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(C-MBT)

COMMITTEE ON NOMENCLATURE, PROPERTIES AND UNITS (C-NPU)[#]

and

INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY
CHEMISTRY AND HUMAN HEALTH DIVISION*

PROPERTIES AND UNITS IN THE CLINICAL LABORATORY SCIENCES

PART XVIII. PROPERTIES AND UNITS IN CLINICAL MOLECULAR BIOLOGY

(IUPAC Technical Report)

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Properties and units in the clinical laboratory sciences

Part XVIII. Properties and units in clinical molecular biology

(IUPAC Technical Report)

Abstract: This document describes the introduction of the concept of property in the field of molecular biology for the presentation of results of clinical laboratory investigations of genes and mutations. It follows the IUPAC–IFCC systematic rules and attempts to create a common base for communication between the clinical laboratory sciences, the medical practitioner, and the molecular biology areas of knowledge.

Because of the plethora of possible structural variations in the outcome of analysis, the designation of components is restricted to the symbols of genes as identified by the Human Genome Nomenclature Database (HUGO). The listing of properties having DNA as system comprises all symbols in the HUGO database except for symbols related to mitochondrial genes, while properties having RNA as system are included only when known to be in actual use. The detailed and accurate presentation of results is made by the laboratory performing the study, and it is recommended that the explicit guidelines given by Antonarakis and den Dunnen be adhered to.

For electronic communication, a code (NPU) is allocated to each property identified. The complete list of properties, which is an integral part of this report, can be accessed at <<http://www.iupac.org/publications/pac/2004/7609/7609x1799.html>>.

PREFACE

The present document is the 18th part of a series on properties and units in the clinical and environmental human toxicology laboratory sciences initiated in 1987.

The series currently comprises:

- I. Syntax and semantic rules [3]
- II. Kinds-of-property [4]
- III. Elements (of properties) and their code values [5]
- IV. Properties and their code values [6]
- V. Properties and units in thrombosis and haemostasis [7]
- VI. Properties and units in IOC-prohibited drugs [8]
- VIII. Properties and units in clinical microbiology [9]
- IX. Properties and units in trace elements [10]
- X. Properties and units in general clinical chemistry [11]
- XI. Coding systems: structure and guidelines [12]
- XII. Properties and units in clinical pharmacology and toxicology [13]
- XIII. Properties and units in reproduction and fertility [14]
- XVI. Properties and units in clinical allergology [15]
- XVII. Properties and units for urinary calculi (in preparation)
- XVIII. Properties and units in clinical molecular biology (this report)
- XIX. Properties and units for transfusion medicine and immunohematology [16]

FOREWORD AND SCOPE

Basic research in biology and medicine and innovations in laboratory methodology have greatly increased the range of properties available to medical practitioners to help them in diagnosis, treatment, and prevention of disease.

The increase in variety of properties examined is now such that the individual physician has insight into or understanding of only a limited number of properties offered to him from the various clinical laboratory specialties.

In the laboratory, local terms (jargon) may be well understood among colleagues, but they are not appropriate for communication with the outside world. Likewise, a laboratory and its local community of users, such as hospital or community physicians, may use a “local dialect” of the language of clinical laboratory sciences that is well understood by all concerned, but when the communication possibilities are wider, even transnational, risks of serious misunderstanding arise.

It is, therefore, essential to promote clear, unambiguous, meaningful, and fully informative communication. Coherence of statements made within and between medical specialties and uniformity in structure of presentation is an objective to be actively pursued. This will facilitate the transfer of information across socio-linguistic barriers.

The purpose of this document is to apply the IUPAC–IFCC recommended syntax structures for request and report, providing formats and names of properties observed in the domain of medical molecular biology, and to facilitate unequivocal written or electronic communication between health care professionals.

For identification of genes, the “approved names” given in the HUGO [1], in the form of symbols, have been used except for symbols of mitochondrial genes. Variations in mitochondrial genes and chromosomes are not dealt with in this technical report. The use of symbols rather than names is in contrast to previous reports for other medical domains where names have been applied systematically. This is because the names of genes are often very extensive and of limited value to the non-specialist. Admittedly, the symbols also are of limited direct informative value, but they are gaining increasing general application and hence meaningful connotation.

One of the main points of this paper is the recognition that any report of a variation of a nucleic acid sequence should include the identity of the sequence referred to. For this purpose, reference is given to “Nomenclature for the description of sequence variation” elaborated by Prof. Stylianos Antonarakis and Dr. Johan T. den Dunnen [2].

The list of properties shown in this document comprises the list of symbols for components as given in the HUGO as of 24 September 2003. This list, which is an integral part of this technical report, can be accessed at <<http://www.iupac.org/publications/pac/2004/7609/7609x1799.html>>. Since the list of properties contains more than 16 000 entries, it is not suitable for printing on paper. The online version contains links to databases that allow the reader to obtain information about the selected genes. Frequently updated versions of the listing can be obtained at <<http://dior.imt.liu.se/cnpu>>, the official C-NPU site, also from <http://www.labinfo.dk/English/download_uk.asp> the listing can be downloaded both as an Excel file or as HTML files.

SYNTAX

System(specification)—Component(specification); kind-of-property(specification) = accurate, unambiguous description of findings [17]

CONCEPTS, TERMS, AND DEFINITIONS

system: demarcated arrangement of a set of elements and a set of relationships between these elements [17,18]

EXAMPLES: A portion of DNA from a sample of blood. A portion of RNA from a biopsy.

component: definable part of a system [17,18]

EXAMPLE: GJB1 gene (symbol for gap junction protein, beta 1, 32kDa)(connexin 32, Charcot-Marie-Tooth neuropathy, X-linked)

kind-of-property: common defining aspect of mutually comparable properties

NOTE 1: There is presently no officially approved definition. This definition is for use in this document only.

NOTE 2: In ENV 1614 [18], the term “property” (in a general sense) is used as synonym for kind-of-property.

NOTE 3: A kind-of-property may be qualified by each user to nominal scale, ordinal scale, differential scale, or rational scale. The last three types of kind-of-property are also called kind-of-quantity [17].

nominal scale: scale with a set of possible values for a given kind-of-property that are each a word or symbol without any relation to magnitude [17]

NOTE: The values may be listed in any order according to practical considerations and convention.

designation of property: set of data elements comprising information on system, component, and kind-of-property, and their adherent specifications.

NOTE 1: There is presently no officially approved definition. This definition is for use in this document only.

NOTE 2: Information about identification of patient, time and result is not considered in the entries of this document.

EXAMPLE: DNA(spec.)—A1BG gene; seq.var.

international coding scheme identifier (ICSI): identifier assigned to identify uniquely a registered coding scheme for use in information interchange [19]

EXAMPLE: “NPU” for codes allocated by the C-NPU of the IFCC–IUPAC.

code value: result of applying a coding scheme to an element in a coded set [19]

EXAMPLE: NPU21382 for DNA(spec.)—HLA-F gene; taxon

taxon: kind-of-property indicating non-numerical classification of entities according to values of a set of properties

NOTE 1: There is presently no officially approved definition. This definition is for use in this document only.

EXAMPLE: taxon in “DNA(spec.)—HLA-DQA1 gene; taxon”

sequence variation: kind-of-property indicating change in one or more nucleic acid bases compared to a conventional structure

NOTE 1: There is presently no officially approved definition. This definition is for use in this document only.

NOTE 2: The sequence variation includes such changes as substitution, deletion, insertion, fusion, duplication. Which type is relevant in a given case should be indicated in the result.

NOTE 3: If no sequence variation is found the result should be 0, or alternatively a full description of the outcome should be given.

NOTE 4: The intentional definition is based on the extensional definition given by Antonorakis and Dunnen [2].

STANDARDIZED REQUEST AND REPORT OF CLINICAL LABORATORY RESULTS

The parts of a request and a report are presented in Table 1.

Essential for a request (Table 1) are parts 1 and 2, covering information on patient identification, time or time interval for sampling, and information on the property requested.

The laboratory *report* comprises the three subdivisions 1, 2, and 3.

To each element in part 2 may be added a specification as a parenthetic suffix for clarification and to avoid ambiguity.

Remarks (part 4) with details on findings, interpretation of results, or other.

Thus, the elements of the designation of a property comprise:

System(specification)—Component(specification); kind-of-property(specification)

This is as recommended by IFCC and IUPAC [17] and by the European standard ENV1614:1995 [18].

Table 1 Standard systematic description.

1	Identification and time
1.1	Identification of patient
1.2	Date and time(s) of sampling
2	Property
2.1	System (specification)
2.2	Component (specification)
2.3	Kind-of-property (specification)
3	Result
3.1	Equal-to sign
3.2	Identification of finding in keeping with ref. [2]
4	Remarks

ELEMENTS OF AN ENTRY

In the series of technical reports under the heading “Properties and Units in the Clinical Laboratory Sciences”, the general structure of an entry is as below. The terms recommended are given in bold-face, that is: The systematic term for the type of property, the unit, and the coding scheme identifier with a code value.

1. **Name of system and parenthetic specification** spelled out in full, and followed by a long dash (em dash)
2. **Alphanumeric chemical prefixes to component name**
3. **Recommended name of component and parenthetic specification** shifted to the left for alphabetical sorting and searching, and followed by a semicolon
4. **Kind-of-property and parenthetic specification**
5. **Unit**
6. Molar mass (*M*) for conversion from other units
7. Presently recommended calibrator

8. Previous calibrator(s)
9. Other term(s)
10. Authority: Code value for the international organisation recommending the name of the component or the combined elements of an entry
11. Note with any further information
12. **[NPUXXXXX]. Code value**, intended for interlaboratory transmission between databases
13. Example in abbreviated form

In this technical report, only some of the elements are applicable, as listed below.

1. **Name of system and parenthetic specification** spelled out in full, and followed by a long dash (em dash)
2. **Not applicable**
3. **Recommended name of component and parenthetic specification** shifted to the left for alphabetical sorting and searching, and followed by a semicolon

Note: In this document, the term for component is substituted by its gene symbol.

4. **Kind-of-property and parenthetic specification**
5. **Not applicable**
6. Not applicable
7. Not applicable
8. Not applicable
9. Other term(s)

Note: In this document the full term for the component is given in explanation of the symbol used in **3** above.

10. Not applicable
11. Not applicable
12. **[NPUXXXXX]. Code value**, intended for interlaboratory transmission between databases

Note: The underlined NPU codes contain links to the HUGO database [1] which explain in full the meaning of the gene symbols.

13. Example in abbreviated form

In the examples given, a question mark, “?”, has been used to represent a value of a result for a nominal property.

EXAMPLE

1. **DNA(specification.)—**
3. **A1BG gene;**
4. **sequence variation**
9. name of component: alpha-1-B glycoprotein gene
12. **NPU30000**
13. DNA(spec.)—A1BG gene; seq.var. = ?

SYSTEM AND SPECIFICATION

As indicated by the topic, systems are confined to DNA and RNA. Specifications to the system about a parent supersystem, such as “blood”, “biopsy from colon cancer”, “plasma”, “serum”, “spinal fluid”, “mouth wash”, “dried blood spot”, are detailed as a note in the EDIFACT or other transmission system.

Component and specification

Components are presented by the symbols for genes from the Human Genome Nomenclature Database or from the HLA Informatics Group [19] with the addition of the word “gene”.

Distribution of information between designation of property and result

Detailed information in the designation of properties is omitted, except for a few specified by an OMIM code, as the number of genes precludes granularity beyond the symbol of the gene. If attempted, the number of entries would encompass many millions.

Thus, detailed information according to Antonarakis and Dunnen [2] on findings is given by the laboratory performing the examination and is stated in the form of a result.

Some possible examples on positive and negative findings are presented below. The reference sequence(NM) code values are from ref. [20].

NPU19111 DNA(spec.)—HFE gene; seq.var. = NM_000410.2: [c.187C>G] + [c.187C>G]
 NPU19111 DNA(spec.)—HFE gene; seq.var. = no variation at NM_000410.2: [c.187] nor [c.845]

NPU19039 DNA(spec.)—CFTR gene; seq.var. = NM_000492.2: c1522_1524delTTT
 NPU19254 DNA(spec.)—ABCC8 gene; seq.var. = NM_000352.2: 4524_4525insCGGCTT

Antonarakis and Dunnen [2] have no suggestions yet as to the presentation of translocations. A possible ad hoc proposal is as:

NPU19599 RNA(Ewing Sarcoma biopsy)—EWSR1 gene; seq.var. = translocation
 NM_005243.1: 793>ERG NM_004449.2: 695

For properties in molecular biology applied to transfusion medicine and immunohematology, a taxonomic presentation is suggested.

NPU33990 DNA(spec.)—HLA-C gene; taxon = Cw*0102; Cw*0305

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20. National Center for Biotechnology Information LocusLink. <<http://www.ncbi.nlm.nih.gov/LocusLink/list.cgi>>.

INDEX OF ABBREVIATIONS

HUGO	Human Genome Nomenclature Database
IFCC	International Federation of Clinical Chemistry and Laboratory Medicine
IUPAC	International Union of Pure and Applied Chemistry
MBT	Molecular Biology Techniques in Clinical Chemistry of IFCC
NM	Reference sequence
NPU	Nomenclature, Properties and Units (as International Coding Scheme Identifier)

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LIST OF PROPERTIES IN CLINICAL MOLECULAR BIOLOGY

DNA(specification)— A1BG gene; sequence variation name of component: alpha-1-B glycoprotein NPU30000 DNA(spec.)—A1BG gene; seq.var. = ?	DNA(specification)— AADAC gene; sequence variation name of component: arylacetamide deacetylase (esterase) NPU30006 DNA(spec.)—AADAC gene; seq.var. = ?
DNA(specification)— A2M gene; sequence variation name of component: alpha-2-macroglobulin NPU30001 DNA(spec.)—A2M gene; seq.var. = ?	DNA(specification)— AADAT gene; sequence variation name of component: aminoadipate aminotransferase NPU46180 DNA(spec.)—AADAT gene; seq.var. = ?
DNA(specification)— A2MP gene; sequence variation name of component: alpha-2-macroglobulin pseudogene NPU30002 DNA(spec.)—A2MP gene; seq.var. = ?	DNA(specification)— AAMP gene; sequence variation name of component: angio-associated, migratory cell protein NPU30007 DNA(spec.)—AAMP gene; seq.var. = ?
DNA(specification)— A4GALT gene; sequence variation name of component: alpha 1,4-galactosyltransferase NPU46325 DNA(spec.)—A4GALT gene; seq.var. = ?	DNA(specification)— AANAT gene; sequence variation name of component: arylalkylamine N-acetyltransferase NPU30008 DNA(spec.)—AANAT gene; seq.var. = ?
DNA(specification)— AA gene; sequence variation name of component: atrophila areata, peripapillary chorioretinal degeneration NPU30003 DNA(spec.)—AA gene; seq.var. = ?	DNA(specification)— AARS gene; sequence variation name of component: alanyl-tRNA synthetase NPU30009 DNA(spec.)—AARS gene; seq.var. = ?
DNA(specification)— AAAS gene; sequence variation name of component: achalasia, adrenocortical insufficiency, alacrimia (Allgrove, triple-A) NPU42259 DNA(spec.)—AAAS gene; seq.var. = ?	DNA(specification)— AARSL gene; sequence variation name of component: alanyl-tRNA synthetase like NPU47834 DNA(spec.)—AARSL gene; seq.var. = ?
DNA(specification)— AACP gene; sequence variation name of component: arylamide acetylase pseudogene NPU30004 DNA(spec.)—AACP gene; seq.var. = ?	DNA(specification)— AASDHPPT gene; sequence variation name of component: aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase NPU42603 DNA(spec.)—AASDHPPT gene; seq.var. = ?

DNA(specification)—**AASS gene;****sequence variation**

name of component: amino adipate-semialdehyde synthase

[NPU46008](#)

DNA(spec.)—AASS gene; seq.var. = ?

DNA(specification)—**AATF gene;****sequence variation**

name of component: apoptosis antagonizing transcription factor

[NPU46924](#)

DNA(spec.)—AATF gene; seq.var. = ?

DNA(specification)—**AATK gene;****sequence variation**

name of component: apoptosis-associated tyrosine kinase

[NPU30010](#)

DNA(spec.)—AATK gene; seq.var. = ?

DNA(specification)—**AAVS1 gene;****sequence variation**

name of component: adeno-associated virus integration site 1

[NPU30011](#)

DNA(spec.)—AAVS1 gene; seq.var. = ?

DNA(specification)—**ABAT gene;****sequence variation**

name of component: 4-aminobutyrate aminotransferase

[NPU30012](#)

DNA(spec.)—ABAT gene; seq.var. = ?

DNA(specification)—**ABCA1 gene;****sequence variation**

name of component: ATP-binding cassette, sub-family A (ABC1), member 1

[NPU30013](#)

DNA(spec.)—ABCA1 gene; seq.var. = ?

DNA(specification)—**ABCA10 gene;****sequence variation**

name of component: ATP-binding cassette, sub-family A (ABC1), member 10

[NPU30014](#)

DNA(spec.)—ABCA10 gene; seq.var. = ?

DNA(specification)—**ABCA11 gene;****sequence variation**

name of component: ATP-binding cassette, sub-family A (ABC1), member 11

[NPU30015](#)

DNA(spec.)—ABCA11 gene; seq.var. = ?

DNA(specification)—**ABCA12 gene;****sequence variation**

name of component: ATP-binding cassette, sub-family A (ABC1), member 12

[NPU42912](#)

DNA(spec.)—ABCA12 gene; seq.var. = ?

DNA(specification)—**ABCA2 gene;****sequence variation**

name of component: ATP-binding cassette, sub-family A (ABC1), member 2

[NPU30016](#)

DNA(spec.)—ABCA2 gene; seq.var. = ?

DNA(specification)—**ABCA3 gene;****sequence variation**

name of component: ATP-binding cassette, sub-family A (ABC1), member 3

[NPU30017](#)

DNA(spec.)—ABCA3 gene; seq.var. = ?

DNA(specification)—**ABCA4 gene;****sequence variation**

name of component: ATP-binding cassette, sub-family A (ABC1), member 4

[NPU30018](#)

DNA(spec.)—ABCA4 gene; seq.var. = ?

DNA(specification)—**ABCA5 gene;****sequence variation**

name of component: ATP-binding cassette, sub-family A (ABC1), member 5

[NPU30019](#)

DNA(spec.)—ABCA5 gene; seq.var. = ?

DNA(specification)—**ABCA6 gene;****sequence variation**

name of component: ATP-binding cassette, sub-family A (ABC1), member 6

[NPU30020](#)

DNA(spec.)—ABCA6 gene; seq.var. = ?

DNA(specification)—
ABCA7 gene;
sequence variation
name of component: ATP-binding cassette, sub-family A (ABC1), member 7
[NPU30021](#)
DNA(spec.)—ABCA7 gene; seq.var. = ?

DNA(specification)—
ABCA8 gene;
sequence variation
name of component: ATP-binding cassette, sub-family A (ABC1), member 8
[NPU30022](#)
DNA(spec.)—ABCA8 gene; seq.var. = ?

DNA(specification)—
ABCA9 gene;
sequence variation
name of component: ATP-binding cassette, sub-family A (ABC1), member 9
[NPU30023](#)
DNA(spec.)—ABCA9 gene; seq.var. = ?

DNA(specification)—
ABCB1 gene;
sequence variation
name of component: ATP-binding cassette, sub-family B (MDR/TAP), member 1
[NPU30024](#)
DNA(spec.)—ABCB1 gene; seq.var. = ?

DNA(specification)—
ABCB10 gene;
sequence variation
name of component: ATP-binding cassette, sub-family B (MDR/TAP), member 10
[NPU30025](#)
DNA(spec.)—ABCB10 gene; seq.var. = ?

DNA(specification)—
ABCB10P gene;
sequence variation
name of component: ATP-binding cassette, sub-family B (MDR/TAP), member 10 pseudogene
[NPU42518](#)
DNA(spec.)—ABCB10P gene; seq.var. = ?

DNA(specification)—
ABCB11 gene;
sequence variation
name of component: ATP-binding cassette, sub-family B (MDR/TAP), member 11
[NPU30026](#)
DNA(spec.)—ABCB11 gene; seq.var. = ?

DNA(specification)—
ABCB4 gene;
sequence variation
name of component: ATP-binding cassette, sub-family B (MDR/TAP), member 4
[NPU30029](#)
DNA(spec.)—ABCB4 gene; seq.var. = ?

DNA(specification)—
ABCB5 gene;
sequence variation
name of component: ATP-binding cassette, sub-family B (MDR/TAP), member 5
[NPU30030](#)
DNA(spec.)—ABCB5 gene; seq.var. = ?

DNA(specification)—
ABCB6 gene;
sequence variation
name of component: ATP-binding cassette, sub-family B (MDR/TAP), member 6
[NPU30031](#)
DNA(spec.)—ABCB6 gene; seq.var. = ?

DNA(specification)—
ABCB7 gene;
sequence variation
name of component: ATP-binding cassette, sub-family B (MDR/TAP), member 7
[NPU30032](#)
DNA(spec.)—ABCB7 gene; seq.var. = ?

DNA(specification)—
ABCB8 gene;
sequence variation
name of component: ATP-binding cassette, sub-family B (MDR/TAP), member 8
[NPU30033](#)
DNA(spec.)—ABCB8 gene; seq.var. = ?

DNA(specification)—
ABCB9 gene;
sequence variation
name of component: ATP-binding cassette, sub-family B (MDR/TAP), member 9
[NPU30034](#)
DNA(spec.)—ABCB9 gene; seq.var. = ?

DNA(specification)—
ABCC1 gene;
sequence variation
name of component: ATP-binding cassette, sub-family C (CFTR/MRP), member 1
[NPU30035](#)
DNA(spec.)—ABCC1 gene; seq.var. = ?

DNA(specification)—**ABCC10 gene;****sequence variation**

name of component: ATP-binding cassette, sub-family C (CFTR/MRP), member 10

[NPU30036](#)

DNA(spec.)—ABCC10 gene; seq.var. = ?

DNA(specification)—**ABCC11 gene;****sequence variation**

name of component: ATP-binding cassette, sub-family C (CFTR/MRP), member 11

[NPU42913](#)

DNA(spec.)—ABCC11 gene; seq.var. = ?

DNA(specification)—**ABCC12 gene;****sequence variation**

name of component: ATP-binding cassette, sub-family C (CFTR/MRP), member 12

[NPU42914](#)

DNA(spec.)—ABCC12 gene; seq.var. = ?

DNA(specification)—**ABCC13 gene;****sequence variation**

name of component: ATP-binding cassette, sub-family C (CFTR/MRP), member 13

[NPU44088](#)

DNA(spec.)—ABCC13 gene; seq.var. = ?

DNA(specification)—**ABCC2 gene;****sequence variation**

name of component: ATP-binding cassette, sub-family C (CFTR/MRP), member 2

[NPU30037](#)

DNA(spec.)—ABCC2 gene; seq.var. = ?

DNA(specification)—**ABCC3 gene;****sequence variation**

name of component: ATP-binding cassette, sub-family C (CFTR/MRP), member 3

[NPU30038](#)

DNA(spec.)—ABCC3 gene; seq.var. = ?

DNA(specification)—**ABCC4 gene;****sequence variation**

name of component: ATP-binding cassette, sub-family C (CFTR/MRP), member 4

[NPU30039](#)

DNA(spec.)—ABCC4 gene; seq.var. = ?

DNA(specification)—**ABCC5 gene;****sequence variation**

name of component: ATP-binding cassette, sub-family C (CFTR/MRP), member 5

[NPU30040](#)

DNA(spec.)—ABCC5 gene; seq.var. = ?

DNA(specification)—**ABCC6 gene;****sequence variation**

name of component: ATP-binding cassette, sub-family C (CFTR/MRP), member 6

[NPU30041](#)

DNA(spec.)—ABCC6 gene; seq.var. = ?

DNA(specification)—**ABCC8 gene;****sequence variation**

name of component: ATP-binding cassette, sub-family C (CFTR/MRP), member 8

[NPU19254](#)

DNA(spec.)—ABCC8 gene; seq.var. = ?

DNA(specification)—**ABCC9 gene;****sequence variation**

name of component: ATP-binding cassette, sub-family C (CFTR/MRP), member 9

[NPU30042](#)

DNA(spec.)—ABCC9 gene; seq.var. = ?

DNA(specification)—**ABCD1 gene;****sequence variation**

name of component: ATP-binding cassette, sub-family D (ALD), member 1

[NPU19005](#)

DNA(spec.)—ABCD1 gene; seq.var. = ?

DNA(specification)—**ABCD1P1 gene;****sequence variation**

name of component: ATP-binding cassette, sub-family D (ALD), member 1, pseudogene 1

[NPU30043](#)

DNA(spec.)—ABCD1P1 gene; seq.var. = ?

DNA(specification)—**ABCD1P2 gene;****sequence variation**

name of component: ATP-binding cassette, sub-family D (ALD), member 1, pseudogene 2

[NPU30044](#)

DNA(spec.)—ABCD1P2 gene; seq.var. = ?

DNA(specification)—**ABCD1P3 gene;****sequence variation**

name of component: ATP-binding cassette, sub-family D (ALD), member 1, pseudogene 3

[NPU30045](#)

DNA(spec.)—ABCD1P3 gene; seq.var. = ?

DNA(specification)—**ABCD1P4 gene;****sequence variation**

name of component: ATP-binding cassette, sub-family D (ALD), member 1, pseudogene 4

[NPU30046](#)

DNA(spec.)—ABCD1P4 gene; seq.var. = ?

DNA(specification)—**ABCD2 gene;****sequence variation**

name of component: ATP-binding cassette, sub-family D (ALD), member 2

[NPU30047](#)

DNA(spec.)—ABCD2 gene; seq.var. = ?

DNA(specification)—**ABCD3 gene;****sequence variation**

name of component: ATP-binding cassette, sub-family D (ALD), member 3

[NPU30048](#)

DNA(spec.)—ABCD3 gene; seq.var. = ?

DNA(specification)—**ABCD4 gene;****sequence variation**

name of component: ATP-binding cassette, sub-family D (ALD), member 4

[NPU30049](#)

DNA(spec.)—ABCD4 gene; seq.var. = ?

DNA(specification)—**ABCE1 gene;****sequence variation**

name of component: ATP-binding cassette, sub-family E (OABP), member 1

[NPU30050](#)

DNA(spec.)—ABCE1 gene; seq.var. = ?

DNA(specification)—**ABCF1 gene;****sequence variation**

name of component: ATP-binding cassette, sub-family F (GCN20), member 1

[NPU30051](#)

DNA(spec.)—ABCF1 gene; seq.var. = ?

DNA(specification)—**ABCF2 gene;****sequence variation**

name of component: ATP-binding cassette, sub-family F (GCN20), member 2

[NPU30052](#)

DNA(spec.)—ABCF2 gene; seq.var. = ?

DNA(specification)—**ABCF3 gene;****sequence variation**

name of component: ATP-binding cassette, sub-family F (GCN20), member 3

[NPU30053](#)

DNA(spec.)—ABCF3 gene; seq.var. = ?

DNA(specification)—**ABCG1 gene;****sequence variation**

name of component: ATP-binding cassette, sub-family G (WHITE), member 1

[NPU30054](#)

DNA(spec.)—ABCG1 gene; seq.var. = ?

DNA(specification)—**ABCG2 gene;****sequence variation**

name of component: ATP-binding cassette, sub-family G (WHITE), member 2

[NPU30055](#)

DNA(spec.)—ABCG2 gene; seq.var. = ?

DNA(specification)—**ABCG4 gene;****sequence variation**

name of component: ATP-binding cassette, sub-family G (WHITE), member 4

[NPU42373](#)

DNA(spec.)—ABCG4 gene; seq.var. = ?

DNA(specification)—**ABCG5 gene;****sequence variation**

name of component: ATP-binding cassette, sub-family G (WHITE), member 5 (sterolin 1)

[NPU42374](#)

DNA(spec.)—ABCG5 gene; seq.var. = ?

DNA(specification)—**ABCG8 gene;****sequence variation**

name of component: ATP-binding cassette, sub-family G (WHITE), member 8 (sterolin 2)

[NPU42375](#)

DNA(spec.)—ABCG8 gene; seq.var. = ?

DNA(specification)—**ABHD1 gene;****sequence variation**

name of component: abhydrolase domain containing 1

[NPU46046](#)

DNA(spec.)—ABHD1 gene; seq.var. = ?

DNA(specification)—**ABHD2 gene;****sequence variation**

name of component: abhydrolase domain containing 2

[NPU46637](#)

DNA(spec.)—ABHD2 gene; seq.var. = ?

DNA(specification)—**ABHD3 gene;****sequence variation**

name of component: abhydrolase domain containing 3

[NPU46638](#)

DNA(spec.)—ABHD3 gene; seq.var. = ?

DNA(specification)—**ABHD4 gene;****sequence variation**

name of component: abhydrolase domain containing 4

[NPU47455](#)

DNA(spec.)—ABHD4 gene; seq.var. = ?

DNA(specification)—**ABL1 gene;****sequence variation**

name of component: v-abl Abelson murine leukemia viral oncogene homolog 1

[NPU30056](#)

DNA(spec.)—ABL1 gene; seq.var. = ?

DNA(specification)—**ABL2 gene;****sequence variation**

name of component: v-abl Abelson murine leukemia viral oncogene homolog 2 (arg, Abelson-related gene)

[NPU30057](#)

DNA(spec.)—ABL2 gene; seq.var. = ?

DNA(specification)—**ABLIM1 gene;****sequence variation**

name of component: actin binding LIM protein 1

[NPU30058](#)

DNA(spec.)—ABLIM1 gene; seq.var. = ?

DNA(specification)—**ABLIM2 gene;****sequence variation**

name of component: actin binding LIM protein 2

[NPU46914](#)

DNA(spec.)—ABLIM2 gene; seq.var. = ?

DNA(specification)—**ABO gene;****sequence variation**

name of component: ABO blood group (transferase A, alpha 1-3-N-acetylgalactosaminyltransferase; transferase B, alpha 1-3-galactosyltransferase)

[NPU30059](#)

DNA(spec.)—ABO gene; seq.var. = ?

DNA(specification)—**ABP1 gene;****sequence variation**

name of component: amiloride binding protein 1 (amine oxidase (copper-containing))

[NPU30060](#)

DNA(spec.)—ABP1 gene; seq.var. = ?

DNA(specification)—**ABR gene;****sequence variation**

name of component: active BCR-related gene

[NPU30061](#)

DNA(spec.)—ABR gene; seq.var. = ?

DNA(specification)—**ABT1 gene;****sequence variation**

name of component: activator of basal transcription 1

[NPU46010](#)

DNA(spec.)—ABT1 gene; seq.var. = ?

DNA(specification)—**ABTB1 gene;****sequence variation**

name of component: ankyrin repeat and BTB (POZ) domain containing 1

[NPU46375](#)

DNA(spec.)—ABTB1 gene; seq.var. = ?

DNA(specification)—**ACACA gene;****sequence variation**

name of component: acetyl-Coenzyme A carboxylase alpha

[NPU30064](#)

DNA(spec.)—ACACA gene; seq.var. = ?

DNA(specification)—**ACACB gene;****sequence variation**

name of component: acetyl-Coenzyme A carboxylase beta

[NPU30065](#)

DNA(spec.)—ACACB gene; seq.var. = ?

DNA(specification)—**ACAD8 gene;****sequence variation**

name of component: acyl-Coenzyme A dehydrogenase family, member 8

[NPU19000](#)

DNA(spec.)—ACAD8 gene; seq.var. = ?

DNA(specification)—**ACADL gene;****sequence variation**

name of component: acyl-Coenzyme A dehydrogenase, long chain

[NPU30066](#)

DNA(spec.)—ACADL gene; seq.var. = ?

DNA(specification)—**ACADM gene;****sequence variation**

name of component: acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain

[NPU19001](#)

DNA(spec.)—ACADM gene; seq.var. = ?

DNA(specification)—**ACADS gene;****sequence variation**

name of component: acyl-Coenzyme A dehydrogenase, C-2 to C-3 short chain

[NPU30067](#)

DNA(spec.)—ACADS gene; seq.var. = ?

DNA(specification)—**ACADSB gene;****sequence variation**

name of component: acyl-Coenzyme A dehydrogenase, short/branched chain

[NPU30068](#)

DNA(spec.)—ACADSB gene; seq.var. = ?

DNA(specification)—**ACADVL gene;****sequence variation**

name of component: acyl-Coenzyme A dehydrogenase, very long chain

[NPU30069](#)

DNA(spec.)—ACADVL gene; seq.var. = ?

DNA(specification)—**ACAS2 gene;****sequence variation**

name of component: acetyl-Coenzyme A synthetase 2 (ADP forming)

[NPU43920](#)

DNA(spec.)—ACAS2 gene; seq.var. = ?

DNA(specification)—**ACAS2L gene;****sequence variation**

name of component: acetyl-Coenzyme A synthetase 2 (AMP forming)-like

[NPU44138](#)

DNA(spec.)—ACAS2L gene; seq.var. = ?

DNA(specification)—**ACAT1 gene;****sequence variation**

name of component: acetyl-Coenzyme A acetyltransferase 1 (acetoacetyl Coenzyme A thiolase)

[NPU30070](#)

DNA(spec.)—ACAT1 gene; seq.var. = ?

DNA(specification)—**ACAT2 gene;****sequence variation**

name of component: acetyl-Coenzyme A acetyltransferase 2 (acetoacetyl Coenzyme A thiolase)

[NPU30071](#)

DNA(spec.)—ACAT2 gene; seq.var. = ?

DNA(specification)—**ACCN1 gene;****sequence variation**

name of component: amiloride-sensitive cation channel 1, neuronal (degenerin)

[NPU30073](#)

DNA(spec.)—ACCN1 gene; seq.var. = ?

DNA(specification)—**ACCN2 gene;****sequence variation**

name of component: amiloride-sensitive cation channel 2, neuronal

[NPU30074](#)

DNA(spec.)—ACCN2 gene; seq.var. = ?

DNA(specification)—**ACCN3 gene;****sequence variation**

name of component: amiloride-sensitive cation channel 3, testis

[NPU30075](#)

DNA(spec.)—ACCN3 gene; seq.var. = ?

DNA(specification)—**ACE gene;****sequence variation**

name of component: angiotensin I converting enzyme (peptidyl-dipeptidase A) 1

[NPU32157](#)

DNA(spec.)—ACE gene; seq.var. = ?

DNA(specification)—**ACE2 gene;****sequence variation**

name of component: angiotensin I converting enzyme (peptidyl-dipeptidase A) 2

[NPU42194](#)

DNA(spec.)—ACE2 gene; seq.var. = ?

DNA(specification)—**ACHAP gene;****sequence variation**

name of component: acetylcholinesterase-associated protein

[NPU30080](#)

DNA(spec.)—ACHAP gene; seq.var. = ?

DNA(specification)—**ACHE gene;****sequence variation**

name of component: acetylcholinesterase (YT blood group)

[NPU30081](#)

DNA(spec.)—ACHE gene; seq.var. = ?

DNA(specification)—**ACHM1 gene;****sequence variation**

name of component: achromatopsia (rod monochromacy) 1

[NPU30082](#)

DNA(spec.)—ACHM1 gene; seq.var. = ?

DNA(specification)—**ACHM3 gene;****sequence variation**

name of component: achromatopsia (rod monochromacy) 3

[NPU30083](#)

DNA(spec.)—ACHM3 gene; seq.var. = ?

DNA(specification)—**ACINUS gene;****sequence variation**

name of component: apoptotic chromatin condensation inducer in the nucleus

[NPU44834](#)

DNA(spec.)—ACINUS gene; seq.var. = ?

DNA(specification)—**ACLS gene;****sequence variation**

name of component: acrocallosal syndrome

[NPU30084](#)

DNA(spec.)—ACLS gene; seq.var. = ?

DNA(specification)—**ACLY gene;****sequence variation**

name of component: ATP citrate lyase

[NPU30085](#)

DNA(spec.)—ACLY gene; seq.var. = ?

DNA(specification)—**ACMSD gene;****sequence variation**

name of component: aminocarboxymuconate semi-aldehyde decarboxylase

[NPU46955](#)

DNA(spec.)—ACMSD gene; seq.var. = ?

DNA(specification)—**ACO1 gene;****sequence variation**

name of component: aconitase 1, soluble

[NPU30086](#)

DNA(spec.)—ACO1 gene; seq.var. = ?

DNA(specification)—**ACO2 gene;****sequence variation**

name of component: aconitase 2, mitochondrial

[NPU30087](#)

DNA(spec.)—ACO2 gene; seq.var. = ?

DNA(specification)—**ACOX1 gene;****sequence variation**

name of component: acyl-Coenzyme A oxidase 1, palmitoyl

[NPU30088](#)

DNA(spec.)—ACOX1 gene; seq.var. = ?

DNA(specification)—**ACOX2 gene;****sequence variation**

name of component: acyl-Coenzyme A oxidase 2, branched chain

[NPU30089](#)

DNA(spec.)—ACOX2 gene; seq.var. = ?

DNA(specification)—**ACOX3 gene;****sequence variation**

name of component: acyl-Coenzyme A oxidase 3, pristanoyl

[NPU30090](#)

DNA(spec.)—ACOX3 gene; seq.var. = ?

DNA(specification)—**ACP1 gene;****sequence variation**

name of component: acid phosphatase 1, soluble

[NPU30091](#)

DNA(spec.)—ACP1 gene; seq.var. = ?

DNA(specification)—**ACP2 gene;****sequence variation**

name of component: acid phosphatase 2, lysosomal

[NPU30092](#)

DNA(spec.)—ACP2 gene; seq.var. = ?

DNA(specification)—**ACP5 gene;****sequence variation**

name of component: acid phosphatase 5, tartrate resistant

[NPU30093](#)

DNA(spec.)—ACP5 gene; seq.var. = ?

DNA(specification)—**ACPP gene;****sequence variation**

name of component: acid phosphatase, prostate

[NPU30094](#)

DNA(spec.)—ACPP gene; seq.var. = ?

DNA(specification)—**ACPT gene;****sequence variation**

name of component: acid phosphatase, testicular

[NPU42705](#)

DNA(spec.)—ACPT gene; seq.var. = ?

DNA(specification)—**ACR gene;****sequence variation**

name of component: acrosin

[NPU30095](#)

DNA(spec.)—ACR gene; seq.var. = ?

DNA(specification)—**ACRBP gene;****sequence variation**

name of component: acrosin binding protein

[NPU44909](#)

DNA(spec.)—ACRBP gene; seq.var. = ?

DNA(specification)—**ACRC gene;****sequence variation**

name of component: acidic repeat containing

[NPU43912](#)

DNA(spec.)—ACRC gene; seq.var. = ?

DNA(specification)—**ACRV1 gene;****sequence variation**

name of component: acrosomal vesicle protein 1

[NPU30096](#)

DNA(spec.)—ACRV1 gene; seq.var. = ?

DNA(specification)—**ACTA1 gene;****sequence variation**

name of component: actin, alpha 1, skeletal muscle

[NPU30097](#)

DNA(spec.)—ACTA1 gene; seq.var. = ?

DNA(specification)—**ACTA2 gene;****sequence variation**

name of component: actin, alpha 2, smooth muscle, aorta

[NPU30098](#)

DNA(spec.)—ACTA2 gene; seq.var. = ?

DNA(specification)—**ACTB gene;****sequence variation**

name of component: actin, beta

[NPU30099](#)

DNA(spec.)—ACTB gene; seq.var. = ?

DNA(specification)—**ACTBL1 gene;****sequence variation**

name of component: actin, beta-like 1

[NPU30100](#)

DNA(spec.)—ACTBL1 gene; seq.var. = ?

DNA(specification)—**ACTBP1 gene;****sequence variation**

name of component: actin, beta pseudogene 1

[NPU30101](#)

DNA(spec.)—ACTBP1 gene; seq.var. = ?

DNA(specification)—**ACTBP2 gene;****sequence variation**

name of component: actin, beta pseudogene 2

[NPU30102](#)

DNA(spec.)—ACTBP2 gene; seq.var. = ?

DNA(specification)—**ACTBP3 gene;****sequence variation**

name of component: actin, beta pseudogene 3

[NPU30103](#)

DNA(spec.)—ACTBP3 gene; seq.var. = ?

DNA(specification)—
ACTBP4 gene;
sequence variation
name of component: actin, beta pseudogene 4
[NPU30104](#)
DNA(spec.)—ACTBP4 gene; seq.var. = ?

DNA(specification)—
ACTBP5 gene;
sequence variation
name of component: actin, beta pseudogene 5
[NPU30105](#)
DNA(spec.)—ACTBP5 gene; seq.var. = ?

DNA(specification)—
ACTBP6 gene;
sequence variation
name of component: actin, beta pseudogene 6
[NPU30106](#)
DNA(spec.)—ACTBP6 gene; seq.var. = ?

DNA(specification)—
ACTBP7 gene;
sequence variation
name of component: actin, beta pseudogene 7
[NPU30107](#)
DNA(spec.)—ACTBP7 gene; seq.var. = ?

DNA(specification)—
ACTBP8 gene;
sequence variation
name of component: actin, beta pseudogene 8
[NPU30108](#)
DNA(spec.)—ACTBP8 gene; seq.var. = ?

DNA(specification)—
ACTBP9 gene;
sequence variation
name of component: actin, beta pseudogene 9
[NPU30109](#)
DNA(spec.)—ACTBP9 gene; seq.var. = ?

DNA(specification)—
ACTC gene;
sequence variation
name of component: actin, alpha, cardiac muscle
[NPU30110](#)
DNA(spec.)—ACTC gene; seq.var. = ?

DNA(specification)—
ACTG1 gene;
sequence variation
name of component: actin, gamma 1
[NPU30111](#)
DNA(spec.)—ACTG1 gene; seq.var. = ?

DNA(specification)—
ACTG2 gene;
sequence variation
name of component: actin, gamma 2, smooth muscle, enteric
[NPU30112](#)
DNA(spec.)—ACTG2 gene; seq.var. = ?

DNA(specification)—
ACTGP1 gene;
sequence variation
name of component: actin, gamma pseudogene 1
[NPU30113](#)
DNA(spec.)—ACTGP1 gene; seq.var. = ?

DNA(specification)—
ACTGP2 gene;
sequence variation
name of component: actin, gamma pseudogene 2
[NPU30114](#)
DNA(spec.)—ACTGP2 gene; seq.var. = ?

DNA(specification)—
ACTGP3 gene;
sequence variation
name of component: actin, gamma pseudogene 3
[NPU30115](#)
DNA(spec.)—ACTGP3 gene; seq.var. = ?

DNA(specification)—
ACTGP4 gene;
sequence variation
name of component: actin, gamma pseudogene 4
[NPU30116](#)
DNA(spec.)—ACTGP4 gene; seq.var. = ?

DNA(specification)—
ACTGP5 gene;
sequence variation
name of component: actin, gamma pseudogene 5
[NPU30117](#)
DNA(spec.)—ACTGP5 gene; seq.var. = ?

DNA(specification)—
ACTGP6 gene;
sequence variation
name of component: actin, gamma pseudogene 6
[NPU30118](#)
DNA(spec.)—ACTGP6 gene; seq.var. = ?

DNA(specification)—
ACTGP7 gene;
sequence variation
name of component: actin, gamma pseudogene 7
[NPU30119](#)
DNA(spec.)—ACTGP7 gene; seq.var. = ?

DNA(specification)—
ACTGP8 gene;
sequence variation
name of component: actin, gamma pseudogene 8
[NPU30120](#)
DNA(spec.)—ACTGP8 gene; seq.var. = ?

DNA(specification)—
ACTGP9 gene;
sequence variation
name of component: actin, gamma pseudogene 9
[NPU30121](#)
DNA(spec.)—ACTGP9 gene; seq.var. = ?

DNA(specification)—
ACTL1 gene;
sequence variation
name of component: actin-like 1
[NPU30122](#)
DNA(spec.)—ACTL1 gene; seq.var. = ?

DNA(specification)—
ACTL4 gene;
sequence variation
name of component: actin-like 4
[NPU30123](#)
DNA(spec.)—ACTL4 gene; seq.var. = ?

DNA(specification)—
ACTL5 gene;
sequence variation
name of component: actin-like 5
[NPU30124](#)
DNA(spec.)—ACTL5 gene; seq.var. = ?

DNA(specification)—
ACTL6 gene;
sequence variation
name of component: actin-like 6
[NPU30125](#)
DNA(spec.)—ACTL6 gene; seq.var. = ?

DNA(specification)—
ACTL7A gene;
sequence variation
name of component: actin-like 7A
[NPU30126](#)
DNA(spec.)—ACTL7A gene; seq.var. = ?

DNA(specification)—
ACTL7B gene;
sequence variation
name of component: actin-like 7B
[NPU30127](#)
DNA(spec.)—ACTL7B gene; seq.var. = ?

DNA(specification)—
ACTN1 gene;
sequence variation
name of component: actinin, alpha 1
[NPU30128](#)
DNA(spec.)—ACTN1 gene; seq.var. = ?

DNA(specification)—
ACTN2 gene;
sequence variation
name of component: actinin, alpha 2
[NPU30129](#)
DNA(spec.)—ACTN2 gene; seq.var. = ?

DNA(specification)—
ACTN3 gene;
sequence variation
name of component: actinin, alpha 3
[NPU30130](#)
DNA(spec.)—ACTN3 gene; seq.var. = ?

DNA(specification)—
ACTN4 gene;
sequence variation
name of component: actinin, alpha 4
[NPU30131](#)
DNA(spec.)—ACTN4 gene; seq.var. = ?

DNA(specification)—
ACTR10 gene;
sequence variation
name of component: actin-related protein 10 homolog (S. cerevisiae)
[NPU46011](#)
DNA(spec.)—ACTR10 gene; seq.var. = ?

DNA(specification)—
ACTR1A gene;
sequence variation
name of component: ARP1 actin-related protein 1 homolog A, cetractin alpha (yeast)
[NPU30132](#)
DNA(spec.)—ACTR1A gene; seq.var. = ?

DNA(specification)—
ACTR1B gene;
sequence variation
name of component: ARP1 actin-related protein 1 homolog B, cetractin beta (yeast)
[NPU30133](#)
DNA(spec.)—ACTR1B gene; seq.var. = ?

DNA(specification)—
ACTR2 gene;
sequence variation
name of component: ARP2 actin-related protein 2 homolog (yeast)
[NPU30134](#)
DNA(spec.)—ACTR2 gene; seq.var. = ?

DNA(specification)—**ACTR3 gene;****sequence variation**

name of component: ARP3 actin-related protein 3
homolog (yeast)

[NPU30135](#)

DNA(spec.)—ACTR3 gene; seq.var. = ?

DNA(specification)—**ACTR5 gene;****sequence variation**

name of component: ARP5 actin-related protein 5
homolog (yeast)

[NPU42934](#)

DNA(spec.)—ACTR5 gene; seq.var. = ?

DNA(specification)—**ACTR8 gene;****sequence variation**

name of component: ARP8 actin-related protein 8
homolog (yeast)

[NPU42935](#)

DNA(spec.)—ACTR8 gene; seq.var. = ?

DNA(specification)—**ACVR1 gene;****sequence variation**

name of component: activin A receptor, type I

[NPU30136](#)

DNA(spec.)—ACVR1 gene; seq.var. = ?

DNA(specification)—**ACVR1B gene;****sequence variation**

name of component: activin A receptor, type IB

[NPU30137](#)

DNA(spec.)—ACVR1B gene; seq.var. = ?

DNA(specification)—**ACVR2 gene;****sequence variation**

name of component: activin A receptor, type II

[NPU30138](#)

DNA(spec.)—ACVR2 gene; seq.var. = ?

DNA(specification)—**ACVR2B gene;****sequence variation**

name of component: activin A receptor, type IIB

[NPU30139](#)

DNA(spec.)—ACVR2B gene; seq.var. = ?

DNA(specification)—**ACVRL1 gene;****sequence variation**

name of component: activin A receptor type II-like
1

[NPU30140](#)

DNA(spec.)—ACVRL1 gene; seq.var. = ?

DNA(specification)—**ACY1 gene;****sequence variation**

name of component: aminoacylase 1

[NPU30141](#)

DNA(spec.)—ACY1 gene; seq.var. = ?

DNA(specification)—**ACY1L gene;****sequence variation**

name of component: aminoacylase 1-like

[NPU30142](#)

DNA(spec.)—ACY1L gene; seq.var. = ?

DNA(specification)—**ACYP1 gene;****sequence variation**

name of component: acylphosphatase 1, erythro-
cyte (common) type

[NPU30143](#)

DNA(spec.)—ACYP1 gene; seq.var. = ?

DNA(specification)—**ACYP2 gene;****sequence variation**

name of component: acylphosphatase 2, muscle
type

[NPU30144](#)

DNA(spec.)—ACYP2 gene; seq.var. = ?

DNA(specification)—**ACAA1 gene;****sequence variation**

name of component: acetyl-Coenzyme A acyltrans-
ferase 1 (peroxisomal 3-oxoacyl-Coenzyme A thio-
lase)

[NPU30062](#)

DNA(spec.)—ACAA1 gene; seq.var. = ?

DNA(specification)—**ACAA2 gene;****sequence variation**

name of component: acetyl-Coenzyme A acyltrans-
ferase 2 (mitochondrial 3-oxoacyl-Coenzyme A
thiolase)

[NPU30063](#)

DNA(spec.)—ACAA2 gene; seq.var. = ?

DNA(specification)—**AD2 gene;****sequence variation**

name of component: Alzheimer disease 2
(APOE*E4-associated, late onset)

[NPU30145](#)

DNA(spec.)—AD2 gene; seq.var. = ?

DNA(specification)—**AD5 gene;****sequence variation**

name of component: Alzheimer disease 5

[NPU30146](#)

DNA(spec.)—AD5 gene; seq.var. = ?

DNA(specification)—**ADA gene;****sequence variation**

name of component: adenosine deaminase

[NPU19260](#)

DNA(spec.)—ADA gene; seq.var. = ?

DNA(specification)—**ADAM1 gene;****sequence variation**

name of component: a disintegrin and metalloproteinase domain 1 (fertilin alpha) pseudogene

[NPU30147](#)

DNA(spec.)—ADAM1 gene; seq.var. = ?

DNA(specification)—**ADAM10 gene;****sequence variation**

name of component: a disintegrin and metalloproteinase domain 10

[NPU30148](#)

DNA(spec.)—ADAM10 gene; seq.var. = ?

DNA(specification)—**ADAM11 gene;****sequence variation**

name of component: a disintegrin and metalloproteinase domain 11

[NPU30149](#)

DNA(spec.)—ADAM11 gene; seq.var. = ?

DNA(specification)—**ADAM12 gene;****sequence variation**

name of component: a disintegrin and metalloproteinase domain 12 (meltrin alpha)

[NPU30150](#)

DNA(spec.)—ADAM12 gene; seq.var. = ?

DNA(specification)—**ADAM13 gene;****sequence variation**

name of component: a disintegrin and metalloproteinase domain 13

[NPU30151](#)

DNA(spec.)—ADAM13 gene; seq.var. = ?

DNA(specification)—**ADAM14 gene;****sequence variation**

name of component: a disintegrin and metalloproteinase domain 14

[NPU30152](#)

DNA(spec.)—ADAM14 gene; seq.var. = ?

DNA(specification)—**ADAM15 gene;****sequence variation**

name of component: a disintegrin and metalloproteinase domain 15 (metargidin)

[NPU30153](#)

DNA(spec.)—ADAM15 gene; seq.var. = ?

DNA(specification)—**ADAM16 gene;****sequence variation**

name of component: a disintegrin and metalloproteinase domain 16

[NPU30154](#)

DNA(spec.)—ADAM16 gene; seq.var. = ?

DNA(specification)—**ADAM17 gene;****sequence variation**

name of component: a disintegrin and metalloproteinase domain 17 (tumor necrosis factor, alpha, converting enzyme)

[NPU30155](#)

DNA(spec.)—ADAM17 gene; seq.var. = ?

DNA(specification)—**ADAM18 gene;****sequence variation**

name of component: a disintegrin and metalloproteinase domain 18

[NPU30156](#)

DNA(spec.)—ADAM18 gene; seq.var. = ?

DNA(specification)—**ADAM19 gene;****sequence variation**

name of component: a disintegrin and metalloproteinase domain 19 (meltrin beta)

[NPU30157](#)

DNA(spec.)—ADAM19 gene; seq.var. = ?

DNA(specification)—**ADAM2 gene;****sequence variation**

name of component: a disintegrin and metalloproteinase domain 2 (fertilin beta)

[NPU30158](#)

DNA(spec.)—ADAM2 gene; seq.var. = ?

DNA(specification)—**ADAM20 gene;****sequence variation**

name of component: a disintegrin and metalloproteinase domain 20

[NPU30159](#)

DNA(spec.)—ADAM20 gene; seq.var. = ?

DNA(specification)—**ADAM21 gene;****sequence variation**

name of component: a disintegrin and metalloproteinase domain 21

[NPU30160](#)

DNA(spec.)—ADAM21 gene; seq.var. = ?

DNA(specification)—**ADAM21P gene;****sequence variation**

name of component: a disintegrin and metalloproteinase domain 21 pseudogene

[NPU47245](#)

DNA(spec.)—ADAM21P gene; seq.var. = ?

DNA(specification)—**ADAM22 gene;****sequence variation**

name of component: a disintegrin and metalloproteinase domain 22

[NPU30161](#)

DNA(spec.)—ADAM22 gene; seq.var. = ?

DNA(specification)—**ADAM23 gene;****sequence variation**

name of component: a disintegrin and metalloproteinase domain 23

[NPU30162](#)

DNA(spec.)—ADAM23 gene; seq.var. = ?

DNA(specification)—**ADAM24 gene;****sequence variation**

name of component: a disintegrin and metalloproteinase domain 24

[NPU30163](#)

DNA(spec.)—ADAM24 gene; seq.var. = ?

DNA(specification)—**ADAM25 gene;****sequence variation**

name of component: a disintegrin and metalloproteinase domain 25

[NPU30164](#)

DNA(spec.)—ADAM25 gene; seq.var. = ?

DNA(specification)—**ADAM26 gene;****sequence variation**

name of component: a disintegrin and metalloproteinase domain 26

[NPU30165](#)

DNA(spec.)—ADAM26 gene; seq.var. = ?

DNA(specification)—**ADAM28 gene;****sequence variation**

name of component: a disintegrin and metalloproteinase domain 28

[NPU30166](#)

DNA(spec.)—ADAM28 gene; seq.var. = ?

DNA(specification)—**ADAM29 gene;****sequence variation**

name of component: a disintegrin and metalloproteinase domain 29

[NPU30167](#)

DNA(spec.)—ADAM29 gene; seq.var. = ?

DNA(specification)—**ADAM30 gene;****sequence variation**

name of component: a disintegrin and metalloproteinase domain 30

[NPU30168](#)

DNA(spec.)—ADAM30 gene; seq.var. = ?

DNA(specification)—**ADAM33 gene;****sequence variation**

name of component: a disintegrin and metalloproteinase domain 33

[NPU43692](#)

DNA(spec.)—ADAM33 gene; seq.var. = ?

DNA(specification)—**ADAM3A gene;****sequence variation**

name of component: a disintegrin and metalloproteinase domain 3a (cyritestin 1)

[NPU30169](#)

DNA(spec.)—ADAM3A gene; seq.var. = ?

DNA(specification)—**ADAM3B gene;****sequence variation**

name of component: a disintegrin and metalloproteinase domain 3b (cyritestin 2)

[NPU30170](#)

DNA(spec.)—ADAM3B gene; seq.var. = ?

DNA(specification)—
ADAM4 gene;
sequence variation
name of component: a disintegrin and metalloproteinase domain 4
[NPU30171](#)
DNA(spec.)—ADAM4 gene; seq.var. = ?

DNA(specification)—
ADAM5 gene;
sequence variation
name of component: a disintegrin and metalloproteinase domain 5
[NPU30172](#)
DNA(spec.)—ADAM5 gene; seq.var. = ?

DNA(specification)—
ADAM6 gene;
sequence variation
name of component: a disintegrin and metalloproteinase domain 6
[NPU30173](#)
DNA(spec.)—ADAM6 gene; seq.var. = ?

DNA(specification)—
ADAM7 gene;
sequence variation
name of component: a disintegrin and metalloproteinase domain 7
[NPU30174](#)
DNA(spec.)—ADAM7 gene; seq.var. = ?

DNA(specification)—
ADAM8 gene;
sequence variation
name of component: a disintegrin and metalloproteinase domain 8
[NPU30175](#)
DNA(spec.)—ADAM8 gene; seq.var. = ?

DNA(specification)—
ADAM9 gene;
sequence variation
name of component: a disintegrin and metalloproteinase domain 9 (meltrin gamma)
[NPU30176](#)
DNA(spec.)—ADAM9 gene; seq.var. = ?

DNA(specification)—
ADAMDEC1 gene;
sequence variation
name of component: ADAM-like, decysin 1
[NPU44334](#)
DNA(spec.)—ADAMDEC1 gene; seq.var. = ?

DNA(specification)—
ADAMTS1 gene;
sequence variation
name of component: a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 1
[NPU30177](#)
DNA(spec.)—ADAMTS1 gene; seq.var. = ?

DNA(specification)—
ADAMTS10 gene;
sequence variation
name of component: a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 10
[NPU42036](#)
DNA(spec.)—ADAMTS10 gene; seq.var. = ?

DNA(specification)—
ADAMTS12 gene;
sequence variation
name of component: a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 12
[NPU42893](#)
DNA(spec.)—ADAMTS12 gene; seq.var. = ?

DNA(specification)—
ADAMTS13 gene;
sequence variation
name of component: a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 13
[NPU31109](#)
DNA(spec.)—ADAMTS13 gene; seq.var. = ?

DNA(specification)—
ADAMTS14 gene;
sequence variation
name of component: a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 14
[NPU43150](#)
DNA(spec.)—ADAMTS14 gene; seq.var. = ?

DNA(specification)—
ADAMTS15 gene;
sequence variation
name of component: a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 15
[NPU44337](#)
DNA(spec.)—ADAMTS15 gene; seq.var. = ?

DNA(specification)—**ADAMTS16 gene;****sequence variation**

name of component: a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 16

[NPU44851](#)

DNA(spec.)—ADAMTS16 gene; seq.var. = ?

DNA(specification)—**ADAMTS17 gene;****sequence variation**

name of component: a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 17

[NPU44852](#)

DNA(spec.)—ADAMTS17 gene; seq.var. = ?

DNA(specification)—**ADAMTS18 gene;****sequence variation**

name of component: a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 18

[NPU44853](#)

DNA(spec.)—ADAMTS18 gene; seq.var. = ?

DNA(specification)—**ADAMTS19 gene;****sequence variation**

name of component: a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 19

[NPU44854](#)

DNA(spec.)—ADAMTS19 gene; seq.var. = ?

DNA(specification)—**ADAMTS2 gene;****sequence variation**

name of component: a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 2

[NPU30178](#)

DNA(spec.)—ADAMTS2 gene; seq.var. = ?

DNA(specification)—**ADAMTS20 gene;****sequence variation**

name of component: a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 20

[NPU44900](#)

DNA(spec.)—ADAMTS20 gene; seq.var. = ?

DNA(specification)—**ADAMTS3 gene;****sequence variation**

name of component: a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 3

[NPU30179](#)

DNA(spec.)—ADAMTS3 gene; seq.var. = ?

DNA(specification)—**ADAMTS4 gene;****sequence variation**

name of component: a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 4

[NPU30180](#)

DNA(spec.)—ADAMTS4 gene; seq.var. = ?

DNA(specification)—**ADAMTS5 gene;****sequence variation**

name of component: a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 5 (aggrecanase-2)

[NPU30181](#)

DNA(spec.)—ADAMTS5 gene; seq.var. = ?

DNA(specification)—**ADAMTS6 gene;****sequence variation**

name of component: a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 6

[NPU30182](#)

DNA(spec.)—ADAMTS6 gene; seq.var. = ?

DNA(specification)—**ADAMTS7 gene;****sequence variation**

name of component: a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 7

[NPU30183](#)

DNA(spec.)—ADAMTS7 gene; seq.var. = ?

DNA(specification)—**ADAMTS8 gene;****sequence variation**

name of component: a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 8

[NPU30184](#)

DNA(spec.)—ADAMTS8 gene; seq.var. = ?

DNA(specification)—**ADAMTS9 gene;****sequence variation**

name of component: a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 9

[NPU42037](#)

DNA(spec.)—ADAMTS9 gene; seq.var. = ?

DNA(specification)—**ADAMTSL1 gene;****sequence variation**

name of component: ADAMTS-like 1

[NPU42910](#)

DNA(spec.)—ADAMTSL1 gene; seq.var. = ?

DNA(specification)—**ADAR gene;****sequence variation**

name of component: adenosine deaminase, RNA-specific

[NPU30185](#)

DNA(spec.)—ADAR gene; seq.var. = ?

DNA(specification)—**ADARB1 gene;****sequence variation**

name of component: adenosine deaminase, RNA-specific, B1 (RED1 homolog rat)

[NPU30186](#)

DNA(spec.)—ADARB1 gene; seq.var. = ?

DNA(specification)—**ADARB2 gene;****sequence variation**

name of component: adenosine deaminase, RNA-specific, B2 (RED1 homolog rat)

[NPU30187](#)

DNA(spec.)—ADARB2 gene; seq.var. = ?

DNA(specification)—**ADAT1 gene;****sequence variation**

name of component: adenosine deaminase, tRNA-specific 1

[NPU30188](#)

DNA(spec.)—ADAT1 gene; seq.var. = ?

DNA(specification)—**ADCP1 gene;****sequence variation**

name of component: adenosine deaminase complexing protein 1

[NPU30189](#)

DNA(spec.)—ADCP1 gene; seq.var. = ?

DNA(specification)—**ADCY1 gene;****sequence variation**

name of component: adenylate cyclase 1 (brain)

[NPU30190](#)

DNA(spec.)—ADCY1 gene; seq.var. = ?

DNA(specification)—**ADCY2 gene;****sequence variation**

name of component: adenylate cyclase 2 (brain)

[NPU30191](#)

DNA(spec.)—ADCY2 gene; seq.var. = ?

DNA(specification)—**ADCY3 gene;****sequence variation**

name of component: adenylate cyclase 3

[NPU30192](#)

DNA(spec.)—ADCY3 gene; seq.var. = ?

DNA(specification)—**ADCY4 gene;****sequence variation**

name of component: adenylate cyclase 4

[NPU30193](#)

DNA(spec.)—ADCY4 gene; seq.var. = ?

DNA(specification)—**ADCY5 gene;****sequence variation**

name of component: adenylate cyclase 5

[NPU30194](#)

DNA(spec.)—ADCY5 gene; seq.var. = ?

DNA(specification)—**ADCY6 gene;****sequence variation**

name of component: adenylate cyclase 6

[NPU30195](#)

DNA(spec.)—ADCY6 gene; seq.var. = ?

DNA(specification)—**ADCY7 gene;****sequence variation**

name of component: adenylate cyclase 7

[NPU30196](#)

DNA(spec.)—ADCY7 gene; seq.var. = ?

DNA(specification)—**ADCY8 gene;****sequence variation**

name of component: adenylate cyclase 8 (brain)

[NPU30197](#)

DNA(spec.)—ADCY8 gene; seq.var. = ?

DNA(specification)—**ADCY9 gene;****sequence variation**

name of component: adenylate cyclase 9

[NPU30198](#)

DNA(spec.)—ADCY9 gene; seq.var. = ?

DNA(specification)—**ADCYAP1 gene;****sequence variation**

name of component: adenylate cyclase activating polypeptide 1 (pituitary)

[NPU30199](#)

DNA(spec.)—ADCYAP1 gene; seq.var. = ?

DNA(specification)—**ADCYAP1R1 gene;****sequence variation**

name of component: adenylate cyclase activating polypeptide 1 (pituitary) receptor type I

[NPU30200](#)

DNA(spec.)—ADCYAP1R1 gene; seq.var. = ?

DNA(specification)—**ADD1 gene;****sequence variation**

name of component: adducin 1 (alpha)

[NPU30201](#)

DNA(spec.)—ADD1 gene; seq.var. = ?

DNA(specification)—**ADD2 gene;****sequence variation**

name of component: adducin 2 (beta)

[NPU30202](#)

DNA(spec.)—ADD2 gene; seq.var. = ?

DNA(specification)—**ADD3 gene;****sequence variation**

name of component: adducin 3 (gamma)

[NPU30203](#)

DNA(spec.)—ADD3 gene; seq.var. = ?

DNA(specification)—**ADFN gene;****sequence variation**

name of component: albinism-deafness syndrome

[NPU30204](#)

DNA(spec.)—ADFN gene; seq.var. = ?

DNA(specification)—**ADFP gene;****sequence variation**

name of component: adipose differentiation-related protein

[NPU30205](#)

DNA(spec.)—ADFP gene; seq.var. = ?

DNA(specification)—**ADH1A gene;****sequence variation**

name of component: alcohol dehydrogenase 1A (class I), alpha polypeptide

[NPU30206](#)

DNA(spec.)—ADH1A gene; seq.var. = ?

DNA(specification)—**ADH1B gene;****sequence variation**

name of component: alcohol dehydrogenase 1B (class I), beta polypeptide

[NPU30207](#)

DNA(spec.)—ADH1B gene; seq.var. = ?

DNA(specification)—**ADH1C gene;****sequence variation**

name of component: alcohol dehydrogenase 1C (class I), gamma polypeptide

[NPU30208](#)

DNA(spec.)—ADH1C gene; seq.var. = ?

DNA(specification)—**ADH4 gene;****sequence variation**

name of component: alcohol dehydrogenase 4 (class II), pi polypeptide

[NPU30209](#)

DNA(spec.)—ADH4 gene; seq.var. = ?

DNA(specification)—**ADH5 gene;****sequence variation**

name of component: alcohol dehydrogenase 5 (class III), chi polypeptide

[NPU30210](#)

DNA(spec.)—ADH5 gene; seq.var. = ?

DNA(specification)—**ADH5P1 gene;****sequence variation**

name of component: alcohol dehydrogenase 5 (class III), chi polypeptide, pseudogene 1

[NPU30211](#)

DNA(spec.)—ADH5P1 gene; seq.var. = ?

DNA(specification)—**ADH6 gene;****sequence variation**

name of component: alcohol dehydrogenase 6 (class V)

[NPU30212](#)

DNA(spec.)—ADH6 gene; seq.var. = ?

DNA(specification)—**ADH7 gene;****sequence variation**

name of component: alcohol dehydrogenase 7
(class IV), mu or sigma polypeptide

[NPU30213](#)

DNA(spec.)—ADH7 gene; seq.var. = ?

DNA(specification)—**ADK gene;****sequence variation**

name of component: adenosine kinase

[NPU30214](#)

DNA(spec.)—ADK gene; seq.var. = ?

DNA(specification)—**ADM gene;****sequence variation**

name of component: adrenomedullin

[NPU30215](#)

DNA(spec.)—ADM gene; seq.var. = ?

DNA(specification)—**ADMR gene;****sequence variation**

name of component: adrenomedullin receptor

[NPU42280](#)

DNA(spec.)—ADMR gene; seq.var. = ?

DNA(specification)—**ADNP gene;****sequence variation**

name of component: activity-dependent neuropro-
tector

[NPU43883](#)

DNA(spec.)—ADNP gene; seq.var. = ?

DNA(specification)—**ADORA1 gene;****sequence variation**

name of component: adenosine A1 receptor

[NPU30216](#)

DNA(spec.)—ADORA1 gene; seq.var. = ?

DNA(specification)—**ADORA2A gene;****sequence variation**

name of component: adenosine A2a receptor

[NPU30217](#)

DNA(spec.)—ADORA2A gene; seq.var. = ?

DNA(specification)—**ADORA2B gene;****sequence variation**

name of component: adenosine A2b receptor

[NPU30218](#)

DNA(spec.)—ADORA2B gene; seq.var. = ?

DNA(specification)—**ADORA2BP gene;****sequence variation**

name of component: adenosine A2b receptor pseu-
dogene

[NPU30219](#)

DNA(spec.)—ADORA2BP gene; seq.var. = ?

DNA(specification)—**ADORA2L1 gene;****sequence variation**

name of component: adenosine A2 receptor-like 1

[NPU30220](#)

DNA(spec.)—ADORA2L1 gene; seq.var. = ?

DNA(specification)—**ADORA2L2 gene;****sequence variation**

name of component: adenosine A2 receptor-like 2

[NPU30221](#)

DNA(spec.)—ADORA2L2 gene; seq.var. = ?

DNA(specification)—**ADORA3 gene;****sequence variation**

name of component: adenosine A3 receptor

[NPU30222](#)

DNA(spec.)—ADORA3 gene; seq.var. = ?

DNA(specification)—**ADPRH gene;****sequence variation**

name of component: ADP-ribosylarginine hy-
drolase

[NPU30223](#)

DNA(spec.)—ADPRH gene; seq.var. = ?

DNA(specification)—**ADPRT gene;****sequence variation**

name of component: ADP-ribosyltransferase
(NAD⁺; poly (ADP-ribose) polymerase)

[NPU30224](#)

DNA(spec.)—ADPRT gene; seq.var. = ?

DNA(specification)—**ADPRTL1 gene;****sequence variation**

name of component: ADP-ribosyltransferase
(NAD⁺; poly (ADP-ribose) polymerase)-like 1

[NPU30225](#)

DNA(spec.)—ADPRTL1 gene; seq.var. = ?

DNA(specification)—**ADPRTL1P gene;****sequence variation**

name of component: ADP-ribosyltransferase (NAD+; poly (ADP-ribose) polymerase)-like 1 Y-linked pseudogene

[NPU46505](#)

DNA(spec.)—ADPRTL1P gene; seq.var. = ?

DNA(specification)—**ADPRTL2 gene;****sequence variation**

name of component: ADP-ribosyltransferase (NAD+; poly(ADP-ribose) polymerase)-like 2

[NPU30226](#)

DNA(spec.)—ADPRTL2 gene; seq.var. = ?

DNA(specification)—**ADPRTL3 gene;****sequence variation**

name of component: ADP-ribosyltransferase (NAD+; poly (ADP-ribose) polymerase)-like 3

[NPU30227](#)

DNA(spec.)—ADPRTL3 gene; seq.var. = ?

DNA(specification)—**ADPRTL4 gene;****sequence variation**

name of component: ADP-ribosyltransferase (NAD+; poly (ADP-ribose) polymerase)-like 4

[NPU30228](#)

DNA(spec.)—ADPRTL4 gene; seq.var. = ?

DNA(specification)—**ADPRTP1 gene;****sequence variation**

name of component: ADP-ribosyltransferase (NAD+; poly (ADP-ribose) polymerase) pseudogene 1

[NPU30229](#)

DNA(spec.)—ADPRTP1 gene; seq.var. = ?

DNA(specification)—**ADPRTP2 gene;****sequence variation**

name of component: ADP-ribosyltransferase (NAD+; poly (ADP-ribose) polymerase) pseudogene 2

[NPU30230](#)

DNA(spec.)—ADPRTP2 gene; seq.var. = ?

DNA(specification)—**ADRA1A gene;****sequence variation**

name of component: adrenergic, alpha-1A-, receptor

[NPU30231](#)

DNA(spec.)—ADRA1A gene; seq.var. = ?

DNA(specification)—**ADRA1B gene;****sequence variation**

name of component: adrenergic, alpha-1B-, receptor

[NPU30232](#)

DNA(spec.)—ADRA1B gene; seq.var. = ?

DNA(specification)—**ADRA1D gene;****sequence variation**

name of component: adrenergic, alpha-1D-, receptor

[NPU30233](#)

DNA(spec.)—ADRA1D gene; seq.var. = ?

DNA(specification)—**ADRA2A gene;****sequence variation**

name of component: adrenergic, alpha-2A-, receptor

[NPU30234](#)

DNA(spec.)—ADRA2A gene; seq.var. = ?

DNA(specification)—**ADRA2B gene;****sequence variation**

name of component: adrenergic, alpha-2B-, receptor

[NPU30235](#)

DNA(spec.)—ADRA2B gene; seq.var. = ?

DNA(specification)—**ADRA2C gene;****sequence variation**

name of component: adrenergic, alpha-2C-, receptor

[NPU30236](#)

DNA(spec.)—ADRA2C gene; seq.var. = ?

DNA(specification)—**ADRB1 gene;****sequence variation**

name of component: adrenergic, beta-1-, receptor

[NPU30237](#)

DNA(spec.)—ADRB1 gene; seq.var. = ?

DNA(specification)—**ADRB2 gene;****sequence variation**

name of component: adrenergic, beta-2-, receptor, surface

[NPU30238](#)

DNA(spec.)—ADRB2 gene; seq.var. = ?

DNA(specification)—
ADRB3 gene;
sequence variation
 name of component: adrenergic, beta-3-, receptor
[NPU19216](#)
 DNA(spec.)—ADRB3 gene; seq.var. = ?

DNA(specification)—
ADRBK1 gene;
sequence variation
 name of component: adrenergic, beta, receptor kinase 1
[NPU30239](#)
 DNA(spec.)—ADRBK1 gene; seq.var. = ?

DNA(specification)—
ADRBK2 gene;
sequence variation
 name of component: adrenergic, beta, receptor kinase 2
[NPU30240](#)
 DNA(spec.)—ADRBK2 gene; seq.var. = ?

DNA(specification)—
ADRM1 gene;
sequence variation
 name of component: adhesion regulating molecule 1
[NPU43876](#)
 DNA(spec.)—ADRM1 gene; seq.var. = ?

DNA(specification)—
ADSL gene;
sequence variation
 name of component: adenylosuccinate lyase
[NPU30241](#)
 DNA(spec.)—ADSL gene; seq.var. = ?

DNA(specification)—
ADSS gene;
sequence variation
 name of component: adenylosuccinate synthase
[NPU30242](#)
 DNA(spec.)—ADSS gene; seq.var. = ?

DNA(specification)—
ADSSL1 gene;
sequence variation
 name of component: adenylosuccinate synthase like 1
[NPU47402](#)
 DNA(spec.)—ADSSL1 gene; seq.var. = ?

DNA(specification)—
ADTB1L1 gene;
sequence variation
 name of component: adaptin, beta 1-like 1
[NPU30243](#)
 DNA(spec.)—ADTB1L1 gene; seq.var. = ?

DNA(specification)—
ADTB1L2 gene;
sequence variation
 name of component: adaptin, beta 1-like 2
[NPU30244](#)
 DNA(spec.)—ADTB1L2 gene; seq.var. = ?

DNA(specification)—
AEBP1 gene;
sequence variation
 name of component: AE binding protein 1
[NPU30245](#)
 DNA(spec.)—AEBP1 gene; seq.var. = ?

DNA(specification)—
AEGL1 gene;
sequence variation
 name of component: acidic epididymal glycoprotein-like 1
[NPU30246](#)
 DNA(spec.)—AEGL1 gene; seq.var. = ?

DNA(specification)—
AES gene;
sequence variation
 name of component: amino-terminal enhancer of split
[NPU30247](#)
 DNA(spec.)—AES gene; seq.var. = ?

DNA(specification)—
AEZ gene;
sequence variation
 name of component: acrodermatitis enteropathica, zinc-deficiency type
[NPU30248](#)
 DNA(spec.)—AEZ gene; seq.var. = ?

DNA(specification)—
AF8T gene;
sequence variation
 name of component: AF8 temperature sensitivity complementing
[NPU30249](#)
 DNA(spec.)—AF8T gene; seq.var. = ?

DNA(specification)—
AFA gene;
sequence variation
 name of component: ankyloblepharon filiforme adnatum
[NPU30250](#)
 DNA(spec.)—AFA gene; seq.var. = ?

DNA(specification)—**AFD1 gene;****sequence variation**

name of component: acrofacial dysostosis 1, Nager type

[NPU30251](#)

DNA(spec.)—AFD1 gene; seq.var. = ?

DNA(specification)—**AFG3L1 gene;****sequence variation**

name of component: AFG3 ATPase family gene 3-like 1 (yeast)

[NPU30252](#)

DNA(spec.)—AFG3L1 gene; seq.var. = ?

DNA(specification)—**AFG3L2 gene;****sequence variation**

name of component: AFG3 ATPase family gene 3-like 2 (yeast)

[NPU30253](#)

DNA(spec.)—AFG3L2 gene; seq.var. = ?

DNA(specification)—**AFM gene;****sequence variation**

name of component: afamin

[NPU30254](#)

DNA(spec.)—AFM gene; seq.var. = ?

DNA(specification)—**AFP gene;****sequence variation**

name of component: alpha-fetoprotein

[NPU30255](#)

DNA(spec.)—AFP gene; seq.var. = ?

DNA(specification)—**AGA gene;****sequence variation**

name of component: aspartylglucosaminidase

[NPU30256](#)

DNA(spec.)—AGA gene; seq.var. = ?

DNA(specification)—**AGC1 gene;****sequence variation**

name of component: aggrecan 1 (chondroitin sulfate proteoglycan 1, large aggregating proteoglycan, antigen identified by monoclonal antibody A0122)

[NPU30257](#)

DNA(spec.)—AGC1 gene; seq.var. = ?

DNA(specification)—**AGER gene;****sequence variation**

name of component: advanced glycosylation end product-specific receptor

[NPU30258](#)

DNA(spec.)—AGER gene; seq.var. = ?

DNA(specification)—**AGL gene;****sequence variation**

name of component: amylo-1, 6-glucosidase, 4-alpha-glucanotransferase (glycogen debranching enzyme, glycogen storage disease type III)

[NPU19002](#)

DNA(spec.)—AGL gene; seq.var. = ?

DNA(specification)—**AGMAT gene;****sequence variation**

name of component: agmatine ureohydrolase (agmatinase)

[NPU46452](#)

DNA(spec.)—AGMAT gene; seq.var. = ?

DNA(specification)—**AGMX2 gene;****sequence variation**

name of component: agammaglobulinemia, X-linked 2 (with growth hormone deficiency)

[NPU30259](#)

DNA(spec.)—AGMX2 gene; seq.var. = ?

DNA(specification)—**AGPAT1 gene;****sequence variation**

name of component: 1-acylglycerol-3-phosphate O-acyltransferase 1 (lysophosphatidic acid acyltransferase, alpha)

[NPU30260](#)

DNA(spec.)—AGPAT1 gene; seq.var. = ?

DNA(specification)—**AGPAT2 gene;****sequence variation**

name of component: 1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase, beta)

[NPU30261](#)

DNA(spec.)—AGPAT2 gene; seq.var. = ?

DNA(specification)—**AGPAT3 gene;****sequence variation**

name of component: 1-acylglycerol-3-phosphate O-acyltransferase 3

[NPU30262](#)

DNA(spec.)—AGPAT3 gene; seq.var. = ?

DNA(specification)—**AGPS gene;****sequence variation**

name of component: alkylglycerone phosphate synthase

[NPU19003](#)

DNA(spec.)—AGPS gene; seq.var. = ?

DNA(specification)—**AGR2 gene;****sequence variation**

name of component: anterior gradient 2 homolog (Xenopus laevis)

[NPU30263](#)

DNA(spec.)—AGR2 gene; seq.var. = ?

DNA(specification)—**AGRN gene;****sequence variation**

name of component: agrin

[NPU30264](#)

DNA(spec.)—AGRN gene; seq.var. = ?

DNA(specification)—**AGRP gene;****sequence variation**

name of component: agouti related protein homolog (mouse)

[NPU30265](#)

DNA(spec.)—AGRP gene; seq.var. = ?

DNA(specification)—**AGS1 gene;****sequence variation**

name of component: Aicardi-Goutieres syndrome 1

[NPU30266](#)

DNA(spec.)—AGS1 gene; seq.var. = ?

DNA(specification)—**AGT gene;****sequence variation**

name of component: angiotensinogen (serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antitrypsin), member 8)

[NPU30267](#)

DNA(spec.)—AGT gene; seq.var. = ?

DNA(specification)—**AGTBP gene;****sequence variation**

name of component: angiotensin binding protein

[NPU30268](#)

DNA(spec.)—AGTBP gene; seq.var. = ?

DNA(specification)—**AGTPBP1 gene;****sequence variation**

name of component: ATP/GTP binding protein 1

[NPU44934](#)

DNA(spec.)—AGTPBP1 gene; seq.var. = ?

DNA(specification)—**AGTR1 gene;****sequence variation**

name of component: angiotensin II receptor, type 1

[NPU30269](#)

DNA(spec.)—AGTR1 gene; seq.var. = ?

DNA(specification)—**AGTR2 gene;****sequence variation**

name of component: angiotensin II receptor, type 2

[NPU30270](#)

DNA(spec.)—AGTR2 gene; seq.var. = ?

DNA(specification)—**AGTRAP gene;****sequence variation**

name of component: angiotensin II receptor-associated protein

[NPU42181](#)

DNA(spec.)—AGTRAP gene; seq.var. = ?

DNA(specification)—**AGTRL1 gene;****sequence variation**

name of component: angiotensin II receptor-like 1

[NPU30271](#)

DNA(spec.)—AGTRL1 gene; seq.var. = ?

DNA(specification)—**AGTRL2 gene;****sequence variation**

name of component: angiotensin II receptor-like 2

[NPU30272](#)

DNA(spec.)—AGTRL2 gene; seq.var. = ?

DNA(specification)—**AGXT gene;****sequence variation**

name of component: alanine-glyoxylate aminotransferase (oxalosis I; hyperoxaluria I; glycolic aciduria; serine-pyruvate aminotransferase)

[NPU19004](#)

DNA(spec.)—AGXT gene; seq.var. = ?

DNA(specification)—**AGXT2 gene;****sequence variation**

name of component: alanine-glyoxylate aminotransferase 2

[NPU42736](#)

DNA(spec.)—AGXT2 gene; seq.var. = ?

DNA(specification)—**AGXT2L1 gene;****sequence variation**

name of component: alanine-glyoxylate aminotransferase 2-like 1

[NPU42729](#)

DNA(spec.)—AGXT2L1 gene; seq.var. = ?

DNA(specification)—**AHCY gene;****sequence variation**

name of component: S-adenosylhomocysteine hydrolase

[NPU30273](#)

DNA(spec.)—AHCY gene; seq.var. = ?

DNA(specification)—**AHCYL1 gene;****sequence variation**

name of component: S-adenosylhomocysteine hydrolase-like 1

[NPU30274](#)

DNA(spec.)—AHCYL1 gene; seq.var. = ?

DNA(specification)—**AHDS gene;****sequence variation**

name of component: Allan-Herndon-Dudley syndrome

[NPU30275](#)

DNA(spec.)—AHDS gene; seq.var. = ?

DNA(specification)—**AHHR gene;****sequence variation**

name of component: aryl hydrocarbon receptor regulator

[NPU30276](#)

DNA(spec.)—AHHR gene; seq.var. = ?

DNA(specification)—**AHNAK gene;****sequence variation**

name of component: AHNAK nucleoprotein (desmoyokin)

[NPU30277](#)

DNA(spec.)—AHNAK gene; seq.var. = ?

DNA(specification)—**AHR gene;****sequence variation**

name of component: aryl hydrocarbon receptor

[NPU30278](#)

DNA(spec.)—AHR gene; seq.var. = ?

DNA(specification)—**AHSA1 gene;****sequence variation**

name of component: AHA1, activator of heat shock 90 kDa protein ATPase homolog 1 (yeast)

[NPU30967](#)

DNA(spec.)—AHSA1 gene; seq.var. = ?

DNA(specification)—**AHSA2 gene;****sequence variation**

name of component: AHA1, activator of heat shock 90 kDa protein ATPase homolog 2 (yeast)

[NPU47616](#)

DNA(spec.)—AHSA2 gene; seq.var. = ?

DNA(specification)—**AHSG gene;****sequence variation**

name of component: alpha-2-HS-glycoprotein

[NPU30279](#)

DNA(spec.)—AHSG gene; seq.var. = ?

DNA(specification)—**AIC gene;****sequence variation**

name of component: Aicardi syndrome

[NPU30280](#)

DNA(spec.)—AIC gene; seq.var. = ?

DNA(specification)—**AICDA gene;****sequence variation**

name of component: activation-induced cytidine deaminase

[NPU42038](#)

DNA(spec.)—AICDA gene; seq.var. = ?

DNA(specification)—**AIED gene;****sequence variation**

name of component: Aland island eye disease (Forsius-Eriksson ocular albinism, ocular albinism type 2)

[NPU30281](#)

DNA(spec.)—AIED gene; seq.var. = ?

DNA(specification)—**AIF1 gene;****sequence variation**

name of component: allograft inflammatory factor 1

[NPU30282](#)

DNA(spec.)—AIF1 gene; seq.var. = ?

DNA(specification)—**AIH2 gene;****sequence variation**

name of component: amelogenesis imperfecta 2, hypocalcification (autosomal dominant)

[NPU30283](#)

DNA(spec.)—AIH2 gene; seq.var. = ?

DNA(specification)—**AIH3 gene;****sequence variation**

name of component: amelogenesis imperfecta 3, hypomaturation or hypoplastic type

[NPU30284](#)

DNA(spec.)—AIH3 gene; seq.var. = ?

DNA(specification)—**AIM1 gene;****sequence variation**

name of component: absent in melanoma 1

[NPU30285](#)

DNA(spec.)—AIM1 gene; seq.var. = ?

DNA(specification)—**AIM1L gene;****sequence variation**

name of component: absent in melanoma 1-like

[NPU44958](#)

DNA(spec.)—AIM1L gene; seq.var. = ?

DNA(specification)—**AIM2 gene;****sequence variation**

name of component: absent in melanoma 2

[NPU30286](#)

DNA(spec.)—AIM2 gene; seq.var. = ?

DNA(specification)—**AIP gene;****sequence variation**

name of component: aryl hydrocarbon receptor interacting protein

[NPU30287](#)

DNA(spec.)—AIP gene; seq.var. = ?

DNA(specification)—**AIPL1 gene;****sequence variation**

name of component: aryl hydrocarbon receptor interacting protein-like 1

[NPU30288](#)

DNA(spec.)—AIPL1 gene; seq.var. = ?

DNA(specification)—**AIRE gene;****sequence variation**

name of component: autoimmune regulator (auto-immune polyendocrinopathy candidiasis ectodermal dystrophy)

[NPU30289](#)

DNA(spec.)—AIRE gene; seq.var. = ?

DNA(specification)—**AK1 gene;****sequence variation**

name of component: adenylate kinase 1

[NPU30290](#)

DNA(spec.)—AK1 gene; seq.var. = ?

DNA(specification)—**AK2 gene;****sequence variation**

name of component: adenylate kinase 2

[NPU30291](#)

DNA(spec.)—AK2 gene; seq.var. = ?

DNA(specification)—**AK3 gene;****sequence variation**

name of component: adenylate kinase 3

[NPU30292](#)

DNA(spec.)—AK3 gene; seq.var. = ?

DNA(specification)—**AK3L1 gene;****sequence variation**

name of component: adenylate kinase 3 like 1

[NPU46012](#)

DNA(spec.)—AK3L1 gene; seq.var. = ?

DNA(specification)—**AK3P1 gene;****sequence variation**

name of component: adenylate kinase 3 pseudogene 1

[NPU30293](#)

DNA(spec.)—AK3P1 gene; seq.var. = ?

DNA(specification)—**AK5 gene;****sequence variation**

name of component: adenylate kinase 5

[NPU30294](#)

DNA(spec.)—AK5 gene; seq.var. = ?

DNA(specification)—**AK6 gene;****sequence variation**

name of component: adenylate kinase 6

[NPU30295](#)

DNA(spec.)—AK6 gene; seq.var. = ?

DNA(specification)—**AK7 gene;****sequence variation**

name of component: adenylate kinase 7

[NPU47400](#)

DNA(spec.)—AK7 gene; seq.var. = ?

DNA(specification)—**AKAP1 gene;****sequence variation**

name of component: A kinase (PRKA) anchor protein 1

[NPU30296](#)

DNA(spec.)—AKAP1 gene; seq.var. = ?

DNA(specification)—**AKAP10 gene;****sequence variation**

name of component: A kinase (PRKA) anchor protein 10

[NPU30297](#)

DNA(spec.)—AKAP10 gene; seq.var. = ?

DNA(specification)—**AKAP11 gene;****sequence variation**

name of component: A kinase (PRKA) anchor protein 11

[NPU30298](#)

DNA(spec.)—AKAP11 gene; seq.var. = ?

DNA(specification)—**AKAP12 gene;****sequence variation**

name of component: A kinase (PRKA) anchor protein (gravin) 12

[NPU30299](#)

DNA(spec.)—AKAP12 gene; seq.var. = ?

DNA(specification)—**AKAP13 gene;****sequence variation**

name of component: A kinase (PRKA) anchor protein 13

[NPU30300](#)

DNA(spec.)—AKAP13 gene; seq.var. = ?

DNA(specification)—**AKAP2 gene;****sequence variation**

name of component: A kinase (PRKA) anchor protein 2

[NPU30301](#)

DNA(spec.)—AKAP2 gene; seq.var. = ?

DNA(specification)—**AKAP3 gene;****sequence variation**

name of component: A kinase (PRKA) anchor protein 3

[NPU30302](#)

DNA(spec.)—AKAP3 gene; seq.var. = ?

DNA(specification)—**AKAP4 gene;****sequence variation**

name of component: A kinase (PRKA) anchor protein 4

[NPU30303](#)

DNA(spec.)—AKAP4 gene; seq.var. = ?

DNA(specification)—**AKAP5 gene;****sequence variation**

name of component: A kinase (PRKA) anchor protein 5

[NPU30304](#)

DNA(spec.)—AKAP5 gene; seq.var. = ?

DNA(specification)—**AKAP6 gene;****sequence variation**

name of component: A kinase (PRKA) anchor protein 6

[NPU30305](#)

DNA(spec.)—AKAP6 gene; seq.var. = ?

DNA(specification)—**AKAP7 gene;****sequence variation**

name of component: A kinase (PRKA) anchor protein 7

[NPU30306](#)

DNA(spec.)—AKAP7 gene; seq.var. = ?

DNA(specification)—**AKAP8 gene;****sequence variation**

name of component: A kinase (PRKA) anchor protein 8

[NPU30307](#)

DNA(spec.)—AKAP8 gene; seq.var. = ?

DNA(specification)—**AKAP9 gene;****sequence variation**

name of component: A kinase (PRKA) anchor protein (yotiao) 9

[NPU30308](#)

DNA(spec.)—AKAP9 gene; seq.var. = ?

DNA(specification)—**AKR1A1 gene;****sequence variation**

name of component: aldo-keto reductase family 1, member A1 (aldehyde reductase)

[NPU30309](#)

DNA(spec.)—AKR1A1 gene; seq.var. = ?

DNA(specification)—**AKR1B1 gene;****sequence variation**

name of component: aldo-keto reductase family 1, member B1 (aldose reductase)

[NPU30310](#)

DNA(spec.)—AKR1B1 gene; seq.var. = ?

DNA(specification)—**AKR1B10 gene;****sequence variation**

name of component: aldo-keto reductase family 1, member B10 (aldose reductase)

[NPU30311](#)

DNA(spec.)—AKR1B10 gene; seq.var. = ?

DNA(specification)—**AKR1C1 gene;****sequence variation**

name of component: aldo-keto reductase family 1, member C1 (dihydrodiol dehydrogenase 1; 20-alpha (3-alpha)-hydroxysteroid dehydrogenase)

[NPU30312](#)

DNA(spec.)—AKR1C1 gene; seq.var. = ?

DNA(specification)—**AKR1C2 gene;****sequence variation**

name of component: aldo-keto reductase family 1, member C2 (dihydrodiol dehydrogenase 2; bile acid binding protein; 3-alpha hydroxysteroid dehydrogenase, type III)

[NPU30313](#)

DNA(spec.)—AKR1C2 gene; seq.var. = ?

DNA(specification)—**AKR1C3 gene;****sequence variation**

name of component: aldo-keto reductase family 1, member C3 (3-alpha hydroxysteroid dehydrogenase, type II)

[NPU30314](#)

DNA(spec.)—AKR1C3 gene; seq.var. = ?

DNA(specification)—**AKR1C4 gene;****sequence variation**

name of component: aldo-keto reductase family 1, member C4 (chlordecone reductase; 3-alpha hydroxysteroid dehydrogenase, type I; dihydrodiol dehydrogenase 4)

[NPU30315](#)

DNA(spec.)—AKR1C4 gene; seq.var. = ?

DNA(specification)—**AKR1D1 gene;****sequence variation**

name of component: aldo-keto reductase family 1, member D1 (delta 4-3-ketosteroid-5-beta-reductase)

[NPU30316](#)

DNA(spec.)—AKR1D1 gene; seq.var. = ?

DNA(specification)—**AKR7A2 gene;****sequence variation**

name of component: aldo-keto reductase family 7, member A2 (aflatoxin aldehyde reductase)

[NPU30317](#)

DNA(spec.)—AKR7A2 gene; seq.var. = ?

DNA(specification)—**AKR7A3 gene;****sequence variation**

name of component: aldo-keto reductase family 7, member A3 (aflatoxin aldehyde reductase)

[NPU30318](#)

DNA(spec.)—AKR7A3 gene; seq.var. = ?

DNA(specification)—**AKT1 gene;****sequence variation**

name of component: v-akt murine thymoma viral oncogene homolog 1

[NPU30319](#)

DNA(spec.)—AKT1 gene; seq.var. = ?

DNA(specification)—**AKT2 gene;****sequence variation**

name of component: v-akt murine thymoma viral oncogene homolog 2

[NPU30320](#)

DNA(spec.)—AKT2 gene; seq.var. = ?

DNA(specification)—**AKT3 gene;****sequence variation**

name of component: v-akt murine thymoma viral oncogene homolog 3 (protein kinase B, gamma)

[NPU30321](#)

DNA(spec.)—AKT3 gene; seq.var. = ?

DNA(specification)—**ALAD gene;****sequence variation**

name of component: aminolevulinate, delta-, dehydratase

[NPU30322](#)

DNA(spec.)—ALAD gene; seq.var. = ?

DNA(specification)—**ALAS1 gene;****sequence variation**

name of component: aminolevulinate, delta-, synthase 1

[NPU30323](#)

DNA(spec.)—ALAS1 gene; seq.var. = ?

DNA(specification)—**ALAS2 gene;****sequence variation**

name of component: aminolevulinate, delta-, synthase 2 (sideroblastic/hypochromic anemia)

[NPU30324](#)

DNA(spec.)—ALAS2 gene; seq.var. = ?

DNA(specification)—**ALB gene;****sequence variation**

name of component: albumin

[NPU30325](#)

DNA(spec.)—ALB gene; seq.var. = ?

DNA(specification)—**ALCAM gene;****sequence variation**

name of component: activated leukocyte cell adhesion molecule

[NPU30326](#)

DNA(spec.)—ALCAM gene; seq.var. = ?

DNA(specification)—**ALDH1A1 gene;****sequence variation**

name of component: aldehyde dehydrogenase 1 family, member A1

[NPU30327](#)

DNA(spec.)—ALDH1A1 gene; seq.var. = ?

DNA(specification)—**ALDH1A2 gene;****sequence variation**

name of component: aldehyde dehydrogenase 1 family, member A2

[NPU43687](#)

DNA(spec.)—ALDH1A2 gene; seq.var. = ?

DNA(specification)—**ALDH1A3 gene;****sequence variation**

name of component: aldehyde dehydrogenase 1 family, member A3

[NPU30333](#)

DNA(spec.)—ALDH1A3 gene; seq.var. = ?

DNA(specification)—**ALDH1B1 gene;****sequence variation**

name of component: aldehyde dehydrogenase 1 family, member B1

[NPU30332](#)

DNA(spec.)—ALDH1B1 gene; seq.var. = ?

DNA(specification)—**ALDH2 gene;****sequence variation**

name of component: aldehyde dehydrogenase 2 family (mitochondrial)

[NPU30329](#)

DNA(spec.)—ALDH2 gene; seq.var. = ?

DNA(specification)—**ALDH3A1 gene;****sequence variation**

name of component: aldehyde dehydrogenase 3 family, member A1

[NPU30330](#)

DNA(spec.)—ALDH3A1 gene; seq.var. = ?

DNA(specification)—**ALDH3A2 gene;****sequence variation**

name of component: aldehyde dehydrogenase 3 family, member A2

[NPU30328](#)

DNA(spec.)—ALDH3A2 gene; seq.var. = ?

DNA(specification)—**ALDH3B1 gene;****sequence variation**

name of component: aldehyde dehydrogenase 3 family, member B1

[NPU30334](#)

DNA(spec.)—ALDH3B1 gene; seq.var. = ?

DNA(specification)—**ALDH3B2 gene;****sequence variation**

name of component: aldehyde dehydrogenase 3 family, member B2

[NPU30335](#)

DNA(spec.)—ALDH3B2 gene; seq.var. = ?

DNA(specification)—**ALDH4A1 gene;****sequence variation**

name of component: aldehyde dehydrogenase 4 family, member A1

[NPU30331](#)

DNA(spec.)—ALDH4A1 gene; seq.var. = ?

DNA(specification)—**ALDH5A1 gene;****sequence variation**

name of component: aldehyde dehydrogenase 5 family, member A1 (succinate-semialdehyde dehydrogenase)

[NPU19006](#)

DNA(spec.)—ALDH5A1 gene; seq.var. = ?

DNA(specification)—**ALDH6A1 gene;****sequence variation**

name of component: aldehyde dehydrogenase 6 family, member A1

[NPU36884](#)

DNA(spec.)—ALDH6A1 gene; seq.var. = ?

DNA(specification)—**ALDH7A1 gene;****sequence variation**

name of component: aldehyde dehydrogenase 7 family, member A1

[NPU30707](#)

DNA(spec.)—ALDH7A1 gene; seq.var. = ?

DNA(specification)—**ALDH8A1 gene;****sequence variation**

name of component: aldehyde dehydrogenase 8 family, member A1

[NPU43686](#)

DNA(spec.)—ALDH8A1 gene; seq.var. = ?

DNA(specification)—**ALDH9A1 gene;****sequence variation**

name of component: aldehyde dehydrogenase 9 family, member A1

[NPU30336](#)

DNA(spec.)—ALDH9A1 gene; seq.var. = ?

DNA(specification)—**ALDOA gene;****sequence variation**

name of component: aldolase A, fructose-bisphosphate

[NPU30337](#)

DNA(spec.)—ALDOA gene; seq.var. = ?

DNA(specification)—**ALDOAP1 gene;****sequence variation**

name of component: aldolase A, fructose-bisphosphate pseudogene 1

[NPU30338](#)

DNA(spec.)—ALDOAP1 gene; seq.var. = ?

DNA(specification)—**ALDOAP2 gene;****sequence variation**

name of component: aldolase A, fructose-bisphosphate pseudogene 2

[NPU30339](#)

DNA(spec.)—ALDOAP2 gene; seq.var. = ?

DNA(specification)—**ALDOB gene;****sequence variation**

name of component: aldolase B, fructose-bisphosphate

[NPU30340](#)

DNA(spec.)—ALDOB gene; seq.var. = ?

DNA(specification)—**ALDOC gene;****sequence variation**

name of component: aldolase C, fructose-bisphosphate

[NPU30341](#)

DNA(spec.)—ALDOC gene; seq.var. = ?

DNA(specification)—**ALDRL1 gene;****sequence variation**

name of component: aldehyde reductase (aldose reductase)-like 1

[NPU30342](#)

DNA(spec.)—ALDRL1 gene; seq.var. = ?

DNA(specification)—**ALDRL2 gene;****sequence variation**

name of component: aldehyde reductase (aldose reductase)-like 2

[NPU30343](#)

DNA(spec.)—ALDRL2 gene; seq.var. = ?

DNA(specification)—**ALDRL3 gene;****sequence variation**

name of component: aldehyde reductase (aldose reductase)-like 3

[NPU30344](#)

DNA(spec.)—ALDRL3 gene; seq.var. = ?

DNA(specification)—**ALDRL4 gene;****sequence variation**

name of component: aldehyde reductase (aldose reductase)-like 4

[NPU30345](#)

DNA(spec.)—ALDRL4 gene; seq.var. = ?

DNA(specification)—**ALDRL6 gene;****sequence variation**

name of component: aldehyde reductase (aldose reductase) like 6

[NPU42831](#)

DNA(spec.)—ALDRL6 gene; seq.var. = ?

DNA(specification)—**ALDRP gene;****sequence variation**

name of component: aldehyde reductase (aldose reductase) pseudogene

[NPU30346](#)

DNA(spec.)—ALDRP gene; seq.var. = ?

DNA(specification)—**ALFN1 gene;****sequence variation**

name of component: activator of liver function 1 (hepatic phenotype restoration inducing sequence)

[NPU30347](#)

DNA(spec.)—ALFN1 gene; seq.var. = ?

DNA(specification)—**ALK gene;****sequence variation**

name of component: anaplastic lymphoma kinase (Ki-1)

[NPU30348](#)

DNA(spec.)—ALK gene; seq.var. = ?

DNA(specification)—**ALKBH gene;****sequence variation**

name of component: alkB, alkylation repair homolog (E. coli)

[NPU46170](#)

DNA(spec.)—ALKBH gene; seq.var. = ?

DNA(specification)—**ALLC gene;****sequence variation**

name of component: allantoicase

[NPU46013](#)

DNA(spec.)—ALLC gene; seq.var. = ?

DNA(specification)—**ALMS1 gene;****sequence variation**

name of component: Alstrom syndrome 1

[NPU30349](#)

DNA(spec.)—ALMS1 gene; seq.var. = ?

DNA(specification)—**ALOX12 gene;****sequence variation**

name of component: arachidonate 12-lipoxygenase

[NPU30350](#)

DNA(spec.)—ALOX12 gene; seq.var. = ?

DNA(specification)—**ALOX12B gene;****sequence variation**

name of component: arachidonate 12-lipoxygenase, 12R type

[NPU30351](#)

DNA(spec.)—ALOX12B gene; seq.var. = ?

DNA(specification)—**ALOX12P1 gene;****sequence variation**

name of component: arachidonate 12-lipoxygenase pseudogene 1

[NPU30352](#)

DNA(spec.)—ALOX12P1 gene; seq.var. = ?

DNA(specification)—**ALOX12P2 gene;****sequence variation**

name of component: arachidonate 12-lipoxygenase pseudogene 2

[NPU30353](#)

DNA(spec.)—ALOX12P2 gene; seq.var. = ?

DNA(specification)—**ALOX15 gene;****sequence variation**

name of component: arachidonate 15-lipoxygenase

[NPU30354](#)

DNA(spec.)—ALOX15 gene; seq.var. = ?

DNA(specification)—**ALOX15B gene;****sequence variation**

name of component: arachidonate 15-lipoxygenase, second type

[NPU30355](#)

DNA(spec.)—ALOX15B gene; seq.var. = ?

DNA(specification)—**ALOX15P gene;****sequence variation**

name of component: arachidonate 15-lipoxygenase pseudogene

[NPU42304](#)

DNA(spec.)—ALOX15P gene; seq.var. = ?

DNA(specification)—**ALOX5 gene;****sequence variation**

name of component: arachidonate 5-lipoxygenase

[NPU30356](#)

DNA(spec.)—ALOX5 gene; seq.var. = ?

DNA(specification)—**ALOX5AP gene;****sequence variation**

name of component: arachidonate 5-lipoxygenase-activating protein

[NPU30357](#)

DNA(spec.)—ALOX5AP gene; seq.var. = ?

DNA(specification)—**ALOXE3 gene;****sequence variation**

name of component: arachidonate lipoxygenase 3

[NPU42305](#)

DNA(spec.)—ALOXE3 gene; seq.var. = ?

DNA(specification)—**ALPI gene;****sequence variation**

name of component: alkaline phosphatase, intestinal

[NPU30358](#)

DNA(spec.)—ALPI gene; seq.var. = ?

DNA(specification)—**ALPL gene;****sequence variation**

name of component: alkaline phosphatase, liver/bone/kidney

[NPU30359](#)

DNA(spec.)—ALPL gene; seq.var. = ?

DNA(specification)—**ALPP gene;****sequence variation**

name of component: alkaline phosphatase, placental (Regan isozyme)

[NPU30360](#)

DNA(spec.)—ALPP gene; seq.var. = ?

DNA(specification)—**ALPPL2 gene;****sequence variation**

name of component: alkaline phosphatase, placental-like 2

[NPU30361](#)

DNA(spec.)—ALPPL2 gene; seq.var. = ?

DNA(specification)—**ALPPP gene;****sequence variation**

name of component: alkaline phosphatase, pseudogene

[NPU42450](#)

DNA(spec.)—ALPPP gene; seq.var. = ?

DNA(specification)—**ALS2 gene;****sequence variation**

name of component: amyotrophic lateral sclerosis 2 (juvenile)

[NPU30362](#)

DNA(spec.)—ALS2 gene; seq.var. = ?

DNA(specification)—**ALS2CL gene;****sequence variation**

name of component: ALS2 C-terminal like

[NPU47677](#)

DNA(spec.)—ALS2CL gene; seq.var. = ?

DNA(specification)—**ALS2CR10 gene;****sequence variation**

name of component: amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 10

[NPU42752](#)

DNA(spec.)—ALS2CR10 gene; seq.var. = ?

DNA(specification)—**ALS2CR11 gene;****sequence variation**

name of component: amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 11

[NPU42753](#)

DNA(spec.)—ALS2CR11 gene; seq.var. = ?

DNA(specification)—**ALS2CR12 gene;****sequence variation**

name of component: amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 12

[NPU42754](#)

DNA(spec.)—ALS2CR12 gene; seq.var. = ?

DNA(specification)—**ALS2CR13 gene;****sequence variation**

name of component: amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 13

[NPU42755](#)

DNA(spec.)—ALS2CR13 gene; seq.var. = ?

DNA(specification)—
ALS2CR14 gene;
sequence variation
name of component: amyotrophic lateral sclerosis
2 (juvenile) chromosome region, candidate 14
[NPU42756](#)
DNA(spec.)—ALS2CR14 gene; seq.var. = ?

DNA(specification)—
ALS2CR15 gene;
sequence variation
name of component: amyotrophic lateral sclerosis
2 (juvenile) chromosome region, candidate 15
[NPU42757](#)
DNA(spec.)—ALS2CR15 gene; seq.var. = ?

DNA(specification)—
ALS2CR16 gene;
sequence variation
name of component: amyotrophic lateral sclerosis
2 (juvenile) chromosome region, candidate 16
[NPU42758](#)
DNA(spec.)—ALS2CR16 gene; seq.var. = ?

DNA(specification)—
ALS2CR17 gene;
sequence variation
name of component: amyotrophic lateral sclerosis
2 (juvenile) chromosome region, candidate 17
[NPU42759](#)
DNA(spec.)—ALS2CR17 gene; seq.var. = ?

DNA(specification)—
ALS2CR18 gene;
sequence variation
name of component: amyotrophic lateral sclerosis
2 (juvenile) chromosome region, candidate 18
[NPU42760](#)
DNA(spec.)—ALS2CR18 gene; seq.var. = ?

DNA(specification)—
ALS2CR19 gene;
sequence variation
name of component: amyotrophic lateral sclerosis
2 (juvenile) chromosome region, candidate 19
[NPU42761](#)
DNA(spec.)—ALS2CR19 gene; seq.var. = ?

DNA(specification)—
ALS2CR2 gene;
sequence variation
name of component: amyotrophic lateral sclerosis
2 (juvenile) chromosome region, candidate 2
[NPU42039](#)
DNA(spec.)—ALS2CR2 gene; seq.var. = ?

DNA(specification)—
ALS2CR3 gene;
sequence variation
name of component: amyotrophic lateral sclerosis
2 (juvenile) chromosome region, candidate 3
[NPU42040](#)
DNA(spec.)—ALS2CR3 gene; seq.var. = ?

DNA(specification)—
ALS2CR4 gene;
sequence variation
name of component: amyotrophic lateral sclerosis
2 (juvenile) chromosome region, candidate 4
[NPU42747](#)
DNA(spec.)—ALS2CR4 gene; seq.var. = ?

DNA(specification)—
ALS2CR6 gene;
sequence variation
name of component: amyotrophic lateral sclerosis
2 (juvenile) chromosome region, candidate 6
[NPU42748](#)
DNA(spec.)—ALS2CR6 gene; seq.var. = ?

DNA(specification)—
ALS2CR7 gene;
sequence variation
name of component: amyotrophic lateral sclerosis
2 (juvenile) chromosome region, candidate 7
[NPU42749](#)
DNA(spec.)—ALS2CR7 gene; seq.var. = ?

DNA(specification)—
ALS2CR8 gene;
sequence variation
name of component: amyotrophic lateral sclerosis
2 (juvenile) chromosome region, candidate 8
[NPU42750](#)
DNA(spec.)—ALS2CR8 gene; seq.var. = ?

DNA(specification)—
ALS2CR9 gene;
sequence variation
name of component: amyotrophic lateral sclerosis
2 (juvenile) chromosome region, candidate 9
[NPU42751](#)
DNA(spec.)—ALS2CR9 gene; seq.var. = ?

DNA(specification)—
ALS3 gene;
sequence variation
name of component: amyotrophic lateral sclerosis
3 (autosomal dominant)
[NPU30363](#)
DNA(spec.)—ALS3 gene; seq.var. = ?

DNA(specification)—**ALS4 gene;****sequence variation**

name of component: amyotrophic lateral sclerosis
4

[NPU30364](#)

DNA(spec.)—ALS4 gene; seq.var. = ?

DNA(specification)—**ALS5 gene;****sequence variation**

name of component: amyotrophic lateral sclerosis
5

[NPU19007](#)

DNA(spec.)—ALS5 gene; seq.var. = ?

DNA(specification)—**ALTE gene;****sequence variation**

name of component: Ac-like transposable element

[NPU30365](#)

DNA(spec.)—ALTE gene; seq.var. = ?

DNA(specification)—**ALX3 gene;****sequence variation**

name of component: aristaless-like homeobox 3

[NPU30366](#)

DNA(spec.)—ALX3 gene; seq.var. = ?

DNA(specification)—**ALX4 gene;****sequence variation**

name of component: aristaless-like homeobox 4

[NPU30367](#)

DNA(spec.)—ALX4 gene; seq.var. = ?

DNA(specification)—**AMAC gene;****sequence variation**

name of component: acyl-malonyl condensing enzyme

[NPU43733](#)

DNA(spec.)—AMAC gene; seq.var. = ?

DNA(specification)—**AMACR gene;****sequence variation**

name of component: alpha-methylacyl-CoA race-mase

[NPU30368](#)

DNA(spec.)—AMACR gene; seq.var. = ?

DNA(specification)—**AMBN gene;****sequence variation**

name of component: ameloblastin, enamel matrix protein

[NPU30369](#)

DNA(spec.)—AMBN gene; seq.var. = ?

DNA(specification)—**AMBP gene;****sequence variation**

name of component: alpha-1-microglobulin/bikunin precursor

[NPU30370](#)

DNA(spec.)—AMBP gene; seq.var. = ?

DNA(specification)—**AMCD1 gene;****sequence variation**

name of component: arthrogryposis multiplex congenital, distal, type 1

[NPU30371](#)

DNA(spec.)—AMCD1 gene; seq.var. = ?

DNA(specification)—**AMCD2B gene;****sequence variation**

name of component: arthrogryposis multiplex congenita, distal, type 2B

[NPU30372](#)

DNA(spec.)—AMCD2B gene; seq.var. = ?

DNA(specification)—**AMCN gene;****sequence variation**

name of component: arthrogryposis multiplex congenita, neurogenic

[NPU30373](#)

DNA(spec.)—AMCN gene; seq.var. = ?

DNA(specification)—**AMD1 gene;****sequence variation**

name of component: adenosylmethionine decarboxylase 1

[NPU30374](#)

DNA(spec.)—AMD1 gene; seq.var. = ?

DNA(specification)—**AMDM gene;****sequence variation**

name of component: acromesomelic dysplasia, Maroteaux type

[NPU30375](#)

DNA(spec.)—AMDM gene; seq.var. = ?

DNA(specification)—**AMDP1 gene;****sequence variation**

name of component: S-adenosylmethionine decarboxylase pseudogene 1

[NPU30376](#)

DNA(spec.)—AMDP1 gene; seq.var. = ?

DNA(specification)—**AMELX gene;****sequence variation**

name of component: amelogenin (X chromosome, amelogenesis imperfecta 1)

[NPU30377](#)

DNA(spec.)—AMELX gene; seq.var. = ?

DNA(specification)—**AMELY gene;****sequence variation**

name of component: amelogenin (Y chromosome)

[NPU30378](#)

DNA(spec.)—AMELY gene; seq.var. = ?

DNA(specification)—**AMFR gene;****sequence variation**

name of component: autocrine motility factor receptor

[NPU30379](#)

DNA(spec.)—AMFR gene; seq.var. = ?

DNA(specification)—**AMH gene;****sequence variation**

name of component: anti-Mullerian hormone

[NPU30380](#)

DNA(spec.)—AMH gene; seq.var. = ?

DNA(specification)—**AMHR2 gene;****sequence variation**

name of component: anti-Mullerian hormone receptor, type II

[NPU30381](#)

DNA(spec.)—AMHR2 gene; seq.var. = ?

DNA(specification)—**AMICA1 gene;****sequence variation**

name of component: adhesion molecule that interacts with CXADR antigen 1

[NPU46852](#)

DNA(spec.)—AMICA1 gene; seq.var. = ?

DNA(specification)—**AMLCR2 gene;****sequence variation**

name of component: acute myeloid leukemia chromosome region 2

[NPU30382](#)

DNA(spec.)—AMLCR2 gene; seq.var. = ?

DNA(specification)—**AMMECR1 gene;****sequence variation**

name of component: Alport syndrome, mental retardation, midface hypoplasia and elliptocytosis chromosomal region, gene 1

[NPU30383](#)

DNA(spec.)—AMMECR1 gene; seq.var. = ?

DNA(specification)—**AMN gene;****sequence variation**

name of component: amnionless homolog (mouse)

[NPU42892](#)

DNA(spec.)—AMN gene; seq.var. = ?

DNA(specification)—**AMOT gene;****sequence variation**

name of component: angiomin

[NPU46110](#)

DNA(spec.)—AMOT gene; seq.var. = ?

DNA(specification)—**AMOTL1 gene;****sequence variation**

name of component: angiomin like 1

[NPU46111](#)

DNA(spec.)—AMOTL1 gene; seq.var. = ?

DNA(specification)—**AMOTL2 gene;****sequence variation**

name of component: angiomin like 2

[NPU46112](#)

DNA(spec.)—AMOTL2 gene; seq.var. = ?

DNA(specification)—**AMPD1 gene;****sequence variation**

name of component: adenosine monophosphate deaminase 1 (isoform M)

[NPU30384](#)

DNA(spec.)—AMPD1 gene; seq.var. = ?

DNA(specification)—**AMPD2 gene;****sequence variation**

name of component: adenosine monophosphate deaminase 2 (isoform L)

[NPU30385](#)

DNA(spec.)—AMPD2 gene; seq.var. = ?

DNA(specification)—**AMPD3 gene;****sequence variation**

name of component: adenosine monophosphate deaminase (isoform E)

[NPU30386](#)

DNA(spec.)—AMPD3 gene; seq.var. = ?

DNA(specification)—**AMPH gene;****sequence variation**

name of component: amphiphysin (Stiff-Man syndrome with breast cancer 128 kDa autoantigen)

[NPU30387](#)

DNA(spec.)—AMPH gene; seq.var. = ?

DNA(specification)—**AMT gene;****sequence variation**

name of component: aminomethyltransferase (glycine cleavage system protein T)

[NPU30388](#)

DNA(spec.)—AMT gene; seq.var. = ?

DNA(specification)—**AMY1A gene;****sequence variation**

name of component: amylase, alpha 1A; salivary

[NPU30389](#)

DNA(spec.)—AMY1A gene; seq.var. = ?

DNA(specification)—**AMY1B gene;****sequence variation**

name of component: amylase, alpha 1B; salivary

[NPU30390](#)

DNA(spec.)—AMY1B gene; seq.var. = ?

DNA(specification)—**AMY1C gene;****sequence variation**

name of component: amylase, alpha 1C; salivary

[NPU30391](#)

DNA(spec.)—AMY1C gene; seq.var. = ?

DNA(specification)—**AMY2A gene;****sequence variation**

name of component: amylase, alpha 2A; pancreatic

[NPU30392](#)

DNA(spec.)—AMY2A gene; seq.var. = ?

DNA(specification)—**AMY2B gene;****sequence variation**

name of component: amylase, alpha 2B; pancreatic

[NPU30393](#)

DNA(spec.)—AMY2B gene; seq.var. = ?

DNA(specification)—**AMYP1 gene;****sequence variation**

name of component: amylase, alpha pseudogene 1

[NPU30394](#)

DNA(spec.)—AMYP1 gene; seq.var. = ?

DNA(specification)—**ANAPC11 gene;****sequence variation**

name of component: APC11 anaphase promoting complex subunit 11 homolog (yeast)

[NPU42767](#)

DNA(spec.)—ANAPC11 gene; seq.var. = ?

DNA(specification)—**ANAPC5 gene;****sequence variation**

name of component: anaphase promoting complex subunit 5

[NPU43844](#)

DNA(spec.)—ANAPC5 gene; seq.var. = ?

DNA(specification)—**ANCR gene;****sequence variation**

name of component: Angelman syndrome chromosome region

[NPU30395](#)

DNA(spec.)—ANCR gene; seq.var. = ?

DNA(specification)—**ANG gene;****sequence variation**

name of component: angiogenin, ribonuclease, RNase A family, 5

[NPU30396](#)

DNA(spec.)—ANG gene; seq.var. = ?

DNA(specification)—**ANGPT1 gene;****sequence variation**

name of component: angiopoietin 1

[NPU30397](#)

DNA(spec.)—ANGPT1 gene; seq.var. = ?

DNA(specification)—**ANGPT2 gene;****sequence variation**

name of component: angiopoietin 2

[NPU30398](#)

DNA(spec.)—ANGPT2 gene; seq.var. = ?

DNA(specification)—**ANGPT4 gene;****sequence variation**

name of component: angiopoietin 4

[NPU30399](#)

DNA(spec.)—ANGPT4 gene; seq.var. = ?

DNA(specification)—**ANGPTL1 gene;****sequence variation**

name of component: angiopoietin-like 1

[NPU30400](#)

DNA(spec.)—ANGPTL1 gene; seq.var. = ?

DNA(specification)—**ANGPTL2 gene;****sequence variation**

name of component: angiopoietin-like 2

[NPU30401](#)

DNA(spec.)—ANGPTL2 gene; seq.var. = ?

DNA(specification)—**ANGPTL3 gene;****sequence variation**

name of component: angiopoietin-like 3

[NPU30402](#)

DNA(spec.)—ANGPTL3 gene; seq.var. = ?

DNA(specification)—**ANGPTL4 gene;****sequence variation**

name of component: angiopoietin-like 4

[NPU44101](#)

DNA(spec.)—ANGPTL4 gene; seq.var. = ?

DNA(specification)—**ANGPTL5 gene;****sequence variation**

name of component: angiopoietin-like 5

[NPU47160](#)

DNA(spec.)—ANGPTL5 gene; seq.var. = ?

DNA(specification)—**ANK1 gene;****sequence variation**

name of component: ankyrin 1, erythrocytic

[NPU30403](#)

DNA(spec.)—ANK1 gene; seq.var. = ?

DNA(specification)—**ANK2 gene;****sequence variation**

name of component: ankyrin 2, neuronal

[NPU30404](#)

DNA(spec.)—ANK2 gene; seq.var. = ?

DNA(specification)—**ANK3 gene;****sequence variation**

name of component: ankyrin 3, node of Ranvier (ankyrin G)

[NPU30405](#)

DNA(spec.)—ANK3 gene; seq.var. = ?

DNA(specification)—**ANKFY1 gene;****sequence variation**

name of component: ankyrin repeat and FYVE domain containing 1

[NPU47751](#)

DNA(spec.)—ANKFY1 gene; seq.var. = ?

DNA(specification)—**ANKH gene;****sequence variation**

name of component: ankylosis, progressive homolog (mouse)

[NPU43701](#)

DNA(spec.)—ANKH gene; seq.var. = ?

DNA(specification)—**ANKK1 gene;****sequence variation**

name of component: ankyrin repeat and kinase domain containing 1

[NPU47836](#)

DNA(spec.)—ANKK1 gene; seq.var. = ?

DNA(specification)—**ANKL1 gene;****sequence variation**

name of component: ankyrin-like 1

[NPU42883](#)

DNA(spec.)—ANKL1 gene; seq.var. = ?

DNA(specification)—**ANKMY1 gene;****sequence variation**

name of component: ankyrin repeat and MYND domain containing 1

[NPU47816](#)

DNA(spec.)—ANKMY1 gene; seq.var. = ?

DNA(specification)—**ANKRA2 gene;****sequence variation**

name of component: ankyrin repeat, family A (RFXANK-like), 2

[NPU42041](#)

DNA(spec.)—ANKRA2 gene; seq.var. = ?

DNA(specification)—**ANKRD10 gene;****sequence variation**

name of component: ankyrin repeat domain 10

[NPU47526](#)

DNA(spec.)—ANKRD10 gene; seq.var. = ?

DNA(specification)—**ANKRD2 gene;****sequence variation**

name of component: ankyrin repeat domain 2 (stretch responsive muscle)

[NPU30406](#)

DNA(spec.)—ANKRD2 gene; seq.var. = ?

DNA(specification)—**ANKRD3 gene;****sequence variation**

name of component: ankyrin repeat domain 3

[NPU30407](#)

DNA(spec.)—ANKRD3 gene; seq.var. = ?

DNA(specification)—**ANKRD5 gene;****sequence variation**

name of component: ankyrin repeat domain 5

[NPU43910](#)

DNA(spec.)—ANKRD5 gene; seq.var. = ?

DNA(specification)—**ANKRD6 gene;****sequence variation**

name of component: ankyrin repeat domain 6

[NPU44951](#)

DNA(spec.)—ANKRD6 gene; seq.var. = ?

DNA(specification)—**ANKRD7 gene;****sequence variation**

name of component: ankyrin repeat domain 7

[NPU46556](#)

DNA(spec.)—ANKRD7 gene; seq.var. = ?

DNA(specification)—**ANKRD9 gene;****sequence variation**

name of component: ankyrin repeat domain 9

[NPU47403](#)

DNA(spec.)—ANKRD9 gene; seq.var. = ?

DNA(specification)—**ANKS1 gene;****sequence variation**

name of component: ankyrin repeat and SAM domain containing 1

[NPU47808](#)

DNA(spec.)—ANKS1 gene; seq.var. = ?

DNA(specification)—**ANKTM1 gene;****sequence variation**

name of component: ankyrin-like with transmembrane domains 1

[NPU30408](#)

DNA(spec.)—ANKTM1 gene; seq.var. = ?

DNA(specification)—**ANLN gene;****sequence variation**

name of component: anillin, actin binding protein (scraps homolog, Drosophila)

[NPU42499](#)

DNA(spec.)—ANLN gene; seq.var. = ?

DNA(specification)—**ANOPI gene;****sequence variation**

name of component: anophthalmos 1 (with mental retardation, without limb anomalies or dental or urogenital abnormalities)

[NPU30409](#)

DNA(spec.)—ANOPI gene; seq.var. = ?

DNA(specification)—**ANP32A gene;****sequence variation**

name of component: acidic (leucine-rich) nuclear phosphoprotein 32 family, member A

[NPU42056](#)

DNA(spec.)—ANP32A gene; seq.var. = ?

DNA(specification)—**ANP32B gene;****sequence variation**

name of component: acidic (leucine-rich) nuclear phosphoprotein 32 family, member B

[NPU44636](#)

DNA(spec.)—ANP32B gene; seq.var. = ?

DNA(specification)—**ANP32C gene;****sequence variation**

name of component: acidic (leucine-rich) nuclear phosphoprotein 32 family, member C

[NPU44634](#)

DNA(spec.)—ANP32C gene; seq.var. = ?

DNA(specification)—**ANP32D gene;****sequence variation**

name of component: acidic (leucine-rich) nuclear phosphoprotein 32 family, member D

[NPU44635](#)

DNA(spec.)—ANP32D gene; seq.var. = ?

DNA(specification)—**ANP32E gene;****sequence variation**

name of component: acidic (leucine-rich) nuclear phosphoprotein 32 family, member E

[NPU44633](#)

DNA(spec.)—ANP32E gene; seq.var. = ?

DNA(specification)—**ANPEP gene;****sequence variation**

name of component: alanyl (membrane) aminopeptidase (aminopeptidase N, aminopeptidase M, microsomal aminopeptidase, CD13, p150)

[NPU30410](#)

DNA(spec.)—ANPEP gene; seq.var. = ?

DNA(specification)—**ANTP1 gene;****sequence variation**

name of component: adenine nucleotide translocator pseudogene 1 (clone 29)

[NPU30411](#)

DNA(spec.)—ANTP1 gene; seq.var. = ?

DNA(specification)—**ANTP2 gene;****sequence variation**

name of component: adenine nucleotide translocator pseudogene 2 (clone 7)

[NPU30412](#)

DNA(spec.)—ANTP2 gene; seq.var. = ?

DNA(specification)—**ANTP3 gene;****sequence variation**

name of component: adenine nucleotide translocator pseudogene 3 (clone 13)

[NPU30413](#)

DNA(spec.)—ANTP3 gene; seq.var. = ?

DNA(specification)—**ANTP4 gene;****sequence variation**

name of component: adenine nucleotide translocator pseudogene 4 (clone 9)

[NPU30414](#)

DNA(spec.)—ANTP4 gene; seq.var. = ?

DNA(specification)—**ANTP5 gene;****sequence variation**

name of component: adenine nucleotide translocator pseudogene 5 (clone 19)

[NPU30415](#)

DNA(spec.)—ANTP5 gene; seq.var. = ?

DNA(specification)—**ANTP6 gene;****sequence variation**

name of component: adenine nucleotide translocator pseudogene 6 (clone 3)

[NPU30416](#)

DNA(spec.)—ANTP6 gene; seq.var. = ?

DNA(specification)—**ANTP7 gene;****sequence variation**

name of component: adenine nucleotide translocator pseudogene 7 (clone 2)

[NPU30417](#)

DNA(spec.)—ANTP7 gene; seq.var. = ?

DNA(specification)—**ANXA1 gene;****sequence variation**

name of component: annexin A1

[NPU30418](#)

DNA(spec.)—ANXA1 gene; seq.var. = ?

DNA(specification)—**ANXA10 gene;****sequence variation**

name of component: annexin A10

[NPU30419](#)

DNA(spec.)—ANXA10 gene; seq.var. = ?

DNA(specification)—**ANXA11 gene;****sequence variation**

name of component: annexin A11

[NPU30420](#)

DNA(spec.)—ANXA11 gene; seq.var. = ?

DNA(specification)—**ANXA13 gene;****sequence variation**

name of component: annexin A13

[NPU30421](#)

DNA(spec.)—ANXA13 gene; seq.var. = ?

DNA(specification)—**ANXA2 gene;****sequence variation**

name of component: annexin A2

[NPU30422](#)

DNA(spec.)—ANXA2 gene; seq.var. = ?

DNA(specification)—**ANXA2P1 gene;****sequence variation**

name of component: annexin A2 pseudogene 1

[NPU30423](#)

DNA(spec.)—ANXA2P1 gene; seq.var. = ?

DNA(specification)—**ANXA2P2 gene;****sequence variation**

name of component: annexin A2 pseudogene 2

[NPU30424](#)

DNA(spec.)—ANXA2P2 gene; seq.var. = ?

DNA(specification)—**ANXA2P3 gene;****sequence variation**

name of component: annexin A2 pseudogene 3

[NPU30425](#)

DNA(spec.)—ANXA2P3 gene; seq.var. = ?

DNA(specification)—
ANXA3 gene;
sequence variation
name of component: annexin A3
[NPU30426](#)
DNA(spec.)—ANXA3 gene; seq.var. = ?

DNA(specification)—
ANXA4 gene;
sequence variation
name of component: annexin A4
[NPU30427](#)
DNA(spec.)—ANXA4 gene; seq.var. = ?

DNA(specification)—
ANXA5 gene;
sequence variation
name of component: annexin A5
[NPU30428](#)
DNA(spec.)—ANXA5 gene; seq.var. = ?

DNA(specification)—
ANXA6 gene;
sequence variation
name of component: annexin A6
[NPU30429](#)
DNA(spec.)—ANXA6 gene; seq.var. = ?

DNA(specification)—
ANXA7 gene;
sequence variation
name of component: annexin A7
[NPU30430](#)
DNA(spec.)—ANXA7 gene; seq.var. = ?

DNA(specification)—
ANXA8 gene;
sequence variation
name of component: annexin A8
[NPU30431](#)
DNA(spec.)—ANXA8 gene; seq.var. = ?

DNA(specification)—
ANXA9 gene;
sequence variation
name of component: annexin A9
[NPU30432](#)
DNA(spec.)—ANXA9 gene; seq.var. = ?

DNA(specification)—
AOAH gene;
sequence variation
name of component: acyloxyacyl hydrolase (neutrophil)
[NPU30433](#)
DNA(spec.)—AOAH gene; seq.var. = ?

DNA(specification)—
AOC2 gene;
sequence variation
name of component: amine oxidase, copper containing 2 (retina-specific)
[NPU30434](#)
DNA(spec.)—AOC2 gene; seq.var. = ?

DNA(specification)—
AOC3 gene;
sequence variation
name of component: amine oxidase, copper containing 3 (vascular adhesion protein 1)
[NPU30435](#)
DNA(spec.)—AOC3 gene; seq.var. = ?

DNA(specification)—
AOM gene;
sequence variation
name of component: arthroophthalmopathy, progressive (Stickler syndrome)
[NPU30436](#)
DNA(spec.)—AOM gene; seq.var. = ?

DNA(specification)—
AOX1 gene;
sequence variation
name of component: aldehyde oxidase 1
[NPU30437](#)
DNA(spec.)—AOX1 gene; seq.var. = ?

DNA(specification)—
AOX2 gene;
sequence variation
name of component: aldehyde oxidase 2
[NPU46469](#)
DNA(spec.)—AOX2 gene; seq.var. = ?

DNA(specification)—
AP1B1 gene;
sequence variation
name of component: adaptor-related protein complex 1, beta 1 subunit
[NPU30438](#)
DNA(spec.)—AP1B1 gene; seq.var. = ?

DNA(specification)—
AP1G1 gene;
sequence variation
name of component: adaptor-related protein complex 1, gamma 1 subunit
[NPU30439](#)
DNA(spec.)—AP1G1 gene; seq.var. = ?

DNA(specification)—**AP1G2 gene;****sequence variation**

name of component: adaptor-related protein complex 1, gamma 2 subunit

[NPU30440](#)

DNA(spec.)—AP1G2 gene; seq.var. = ?

DNA(specification)—**AP1GBP1 gene;****sequence variation**

name of component: AP1 gamma subunit binding protein 1

[NPU30441](#)

DNA(spec.)—AP1GBP1 gene; seq.var. = ?

DNA(specification)—**AP1M1 gene;****sequence variation**

name of component: adaptor-related protein complex 1, mu 1 subunit

[NPU42260](#)

DNA(spec.)—AP1M1 gene; seq.var. = ?

DNA(specification)—**AP1M2 gene;****sequence variation**

name of component: adaptor-related protein complex 1, mu 2 subunit

[NPU30442](#)

DNA(spec.)—AP1M2 gene; seq.var. = ?

DNA(specification)—**AP1S1 gene;****sequence variation**

name of component: adaptor-related protein complex 1, sigma 1 subunit

[NPU30443](#)

DNA(spec.)—AP1S1 gene; seq.var. = ?

DNA(specification)—**AP1S2 gene;****sequence variation**

name of component: adaptor-related protein complex 1, sigma 2 subunit

[NPU30444](#)

DNA(spec.)—AP1S2 gene; seq.var. = ?

DNA(specification)—**AP1S3 gene;****sequence variation**

name of component: adaptor-related protein complex 1, sigma 3 subunit

[NPU46801](#)

DNA(spec.)—AP1S3 gene; seq.var. = ?

DNA(specification)—**AP2A1 gene;****sequence variation**

name of component: adaptor-related protein complex 2, alpha 1 subunit

[NPU30445](#)

DNA(spec.)—AP2A1 gene; seq.var. = ?

DNA(specification)—**AP2A2 gene;****sequence variation**

name of component: adaptor-related protein complex 2, alpha 2 subunit

[NPU30446](#)

DNA(spec.)—AP2A2 gene; seq.var. = ?

DNA(specification)—**AP2B1 gene;****sequence variation**

name of component: adaptor-related protein complex 2, beta 1 subunit

[NPU30447](#)

DNA(spec.)—AP2B1 gene; seq.var. = ?

DNA(specification)—**AP2M1 gene;****sequence variation**

name of component: adaptor-related protein complex 2, mu 1 subunit

[NPU30448](#)

DNA(spec.)—AP2M1 gene; seq.var. = ?

DNA(specification)—**AP2S1 gene;****sequence variation**

name of component: adaptor-related protein complex 2, sigma 1 subunit

[NPU30449](#)

DNA(spec.)—AP2S1 gene; seq.var. = ?

DNA(specification)—**AP3B1 gene;****sequence variation**

name of component: adaptor-related protein complex 3, beta 1 subunit

[NPU30450](#)

DNA(spec.)—AP3B1 gene; seq.var. = ?

DNA(specification)—**AP3B2 gene;****sequence variation**

name of component: adaptor-related protein complex 3, beta 2 subunit

[NPU30451](#)

DNA(spec.)—AP3B2 gene; seq.var. = ?

DNA(specification)—**AP3D1 gene;****sequence variation**

name of component: adaptor-related protein complex 3, delta 1 subunit

[NPU30452](#)

DNA(spec.)—AP3D1 gene; seq.var. = ?

DNA(specification)—**AP3M1 gene;****sequence variation**

name of component: adaptor-related protein complex 3, mu 1 subunit

[NPU30453](#)

DNA(spec.)—AP3M1 gene; seq.var. = ?

DNA(specification)—**AP3M2 gene;****sequence variation**

name of component: adaptor-related protein complex 3, mu 2 subunit

[NPU30454](#)

DNA(spec.)—AP3M2 gene; seq.var. = ?

DNA(specification)—**AP3S1 gene;****sequence variation**

name of component: adaptor-related protein complex 3, sigma 1 subunit

[NPU31607](#)

DNA(spec.)—AP3S1 gene; seq.var. = ?

DNA(specification)—**AP3S2 gene;****sequence variation**

name of component: adaptor-related protein complex 3, sigma 2 subunit

[NPU30455](#)

DNA(spec.)—AP3S2 gene; seq.var. = ?

DNA(specification)—**AP4B1 gene;****sequence variation**

name of component: adaptor-related protein complex 4, beta 1 subunit

[NPU30456](#)

DNA(spec.)—AP4B1 gene; seq.var. = ?

DNA(specification)—**AP4E1 gene;****sequence variation**

name of component: adaptor-related protein complex 4, epsilon 1 subunit

[NPU30457](#)

DNA(spec.)—AP4E1 gene; seq.var. = ?

DNA(specification)—**AP4M1 gene;****sequence variation**

name of component: adaptor-related protein complex 4, mu 1 subunit

[NPU30458](#)

DNA(spec.)—AP4M1 gene; seq.var. = ?

DNA(specification)—**AP4S1 gene;****sequence variation**

name of component: adaptor-related protein complex 4, sigma 1 subunit

[NPU30459](#)

DNA(spec.)—AP4S1 gene; seq.var. = ?

DNA(specification)—**APAF1 gene;****sequence variation**

name of component: apoptotic protease activating factor

[NPU30460](#)

DNA(spec.)—APAF1 gene; seq.var. = ?

DNA(specification)—**APBA1 gene;****sequence variation**

name of component: amyloid beta (A4) precursor protein-binding, family A, member 1 (X11)

[NPU30461](#)

DNA(spec.)—APBA1 gene; seq.var. = ?

DNA(specification)—**APBA2 gene;****sequence variation**

name of component: amyloid beta (A4) precursor protein-binding, family A, member 2 (X11-like)

[NPU30462](#)

DNA(spec.)—APBA2 gene; seq.var. = ?

DNA(specification)—**APBA2BP gene;****sequence variation**

name of component: amyloid beta (A4) precursor protein-binding, family A, member 2 binding protein

[NPU43942](#)

DNA(spec.)—APBA2BP gene; seq.var. = ?

DNA(specification)—**APBA3 gene;****sequence variation**

name of component: amyloid beta (A4) precursor protein-binding, family A, member 3 (X11-like 2)

[NPU30463](#)

DNA(spec.)—APBA3 gene; seq.var. = ?

DNA(specification)—**APBB1 gene;****sequence variation**

name of component: amyloid beta (A4) precursor protein-binding, family B, member 1 (Fe65)

[NPU30464](#)

DNA(spec.)—APBB1 gene; seq.var. = ?

DNA(specification)—**APBB1IP gene;****sequence variation**

name of component: amyloid beta (A4) precursor protein-binding, family B, member 1 interacting protein

[NPU46015](#)

DNA(spec.)—APBB1IP gene; seq.var. = ?

DNA(specification)—**APBB2 gene;****sequence variation**

name of component: amyloid beta (A4) precursor protein-binding, family B, member 2 (Fe65-like)

[NPU30465](#)

DNA(spec.)—APBB2 gene; seq.var. = ?

DNA(specification)—**APBB3 gene;****sequence variation**

name of component: amyloid beta (A4) precursor protein-binding, family B, member 3

[NPU47724](#)

DNA(spec.)—APBB3 gene; seq.var. = ?

DNA(specification)—**APC gene;****sequence variation**

name of component: adenomatosis polyposis coli

[NPU19008](#)

DNA(spec.)—APC gene; seq.var. = ?

DNA(specification)—**APCDD1 gene;****sequence variation**

name of component: adenomatosis polyposis coli down-regulated 1

[NPU43849](#)

DNA(spec.)—APCDD1 gene; seq.var. = ?

DNA(specification)—**APCS gene;****sequence variation**

name of component: amyloid P component, serum

[NPU30466](#)

DNA(spec.)—APCS gene; seq.var. = ?

DNA(specification)—**APEH gene;****sequence variation**

name of component: N-acylaminoacyl-peptide hydrolase

[NPU30467](#)

DNA(spec.)—APEH gene; seq.var. = ?

DNA(specification)—**APEX1 gene;****sequence variation**

name of component: APEX nuclease (multifunctional DNA repair enzyme) 1

[NPU30468](#)

DNA(spec.)—APEX1 gene; seq.var. = ?

DNA(specification)—**APEX2 gene;****sequence variation**

name of component: APEX nuclease (apurinic/apyrimidinic endonuclease) 2

[NPU46165](#)

DNA(spec.)—APEX2 gene; seq.var. = ?

DNA(specification)—**APG10L gene;****sequence variation**

name of component: APG10 autophagy 10-like (S. cerevisiae)

[NPU47549](#)

DNA(spec.)—APG10L gene; seq.var. = ?

DNA(specification)—**APG12L gene;****sequence variation**

name of component: APG12 autophagy 12-like (S. cerevisiae)

[NPU30469](#)

DNA(spec.)—APG12L gene; seq.var. = ?

DNA(specification)—**APG5L gene;****sequence variation**

name of component: APG5 autophagy 5-like (S. cerevisiae)

[NPU30470](#)

DNA(spec.)—APG5L gene; seq.var. = ?

DNA(specification)—**API5 gene;****sequence variation**

name of component: apoptosis inhibitor 5

[NPU30475](#)

DNA(spec.)—API5 gene; seq.var. = ?

DNA(specification)—**API5L1 gene;****sequence variation**

name of component: API5-like 1

[NPU30476](#)

DNA(spec.)—API5L1 gene; seq.var. = ?

DNA(specification)—**API6 gene;****sequence variation**

name of component: apoptosis inhibitor 6

[NPU30477](#)

DNA(spec.)—API6 gene; seq.var. = ?

DNA(specification)—**APLP1 gene;****sequence variation**

name of component: amyloid beta (A4) precursor-like protein 1

[NPU30478](#)

DNA(spec.)—APLP1 gene; seq.var. = ?

DNA(specification)—**APLP2 gene;****sequence variation**

name of component: amyloid beta (A4) precursor-like protein 2

[NPU30479](#)

DNA(spec.)—APLP2 gene; seq.var. = ?

DNA(specification)—**APOA1 gene;****sequence variation**

name of component: apolipoprotein A-I

[NPU30480](#)

DNA(spec.)—APOA1 gene; seq.var. = ?

DNA(specification)—**APOA1BP gene;****sequence variation**

name of component: apolipoprotein A-I binding protein

[NPU46470](#)

DNA(spec.)—APOA1BP gene; seq.var. = ?

DNA(specification)—**APOA2 gene;****sequence variation**

name of component: apolipoprotein A-II

[NPU30481](#)

DNA(spec.)—APOA2 gene; seq.var. = ?

DNA(specification)—**APOA4 gene;****sequence variation**

name of component: apolipoprotein A-IV

[NPU30482](#)

DNA(spec.)—APOA4 gene; seq.var. = ?

DNA(specification)—**APOA5 gene;****sequence variation**

name of component: apolipoprotein A-V

[NPU44955](#)

DNA(spec.)—APOA5 gene; seq.var. = ?

DNA(specification)—**APOB gene;****sequence variation**

name of component: apolipoprotein B (including Ag(x) antigen)

[NPU19215](#)

DNA(spec.)—APOB gene; seq.var. = ?

DNA(specification)—**APOB gene(MIM107730.0009);****entitic number(0 1 2)**[NPU19268](#)

DNA(spec.)—APOB gene(MIM107730.0009);

entitic num.(0 1 2) = ?

DNA(specification)—**APOBEC1 gene;****sequence variation**

name of component: apolipoprotein B mRNA editing enzyme, catalytic polypeptide 1

[NPU30483](#)

DNA(spec.)—APOBEC1 gene; seq.var. = ?

DNA(specification)—**APOBEC2 gene;****sequence variation**

name of component: apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 2

[NPU30484](#)

DNA(spec.)—APOBEC2 gene; seq.var. = ?

DNA(specification)—**APOBEC3A gene;****sequence variation**

name of component: apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3A

[NPU44991](#)

DNA(spec.)—APOBEC3A gene; seq.var. = ?

DNA(specification)—**APOBEC3B gene;****sequence variation**

name of component: apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3B

[NPU44997](#)

DNA(spec.)—APOBEC3B gene; seq.var. = ?

DNA(specification)—**APOBEC3C gene;****sequence variation**

name of component: apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3C

[NPU44998](#)

DNA(spec.)—APOBEC3C gene; seq.var. = ?

DNA(specification)—**APOBEC3D gene;****sequence variation**

name of component: apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3D

[NPU44999](#)

DNA(spec.)—APOBEC3D gene; seq.var. = ?

DNA(specification)—**APOBEC3E gene;****sequence variation**

name of component: apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3E pseudogene

[NPU46000](#)

DNA(spec.)—APOBEC3E gene; seq.var. = ?

DNA(specification)—**APOBEC3F gene;****sequence variation**

name of component: apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3F

[NPU46001](#)

DNA(spec.)—APOBEC3F gene; seq.var. = ?

DNA(specification)—**APOBEC3G gene;****sequence variation**

name of component: apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3G

[NPU46002](#)

DNA(spec.)—APOBEC3G gene; seq.var. = ?

DNA(specification)—**APOBER1 gene;****sequence variation**

name of component: apolipoprotein B mRNA editing enzyme, regulatory polypeptide 2

[NPU30485](#)

DNA(spec.)—APOBER1 gene; seq.var. = ?

DNA(specification)—**APOC1 gene;****sequence variation**

name of component: apolipoprotein C-I

[NPU30486](#)

DNA(spec.)—APOC1 gene; seq.var. = ?

DNA(specification)—**APOC1P1 gene;****sequence variation**

name of component: apolipoprotein C-I pseudogene 1

[NPU30487](#)

DNA(spec.)—APOC1P1 gene; seq.var. = ?

DNA(specification)—**APOC2 gene;****sequence variation**

name of component: apolipoprotein C-II

[NPU30488](#)

DNA(spec.)—APOC2 gene; seq.var. = ?

DNA(specification)—**APOC3 gene;****sequence variation**

name of component: apolipoprotein C-III

[NPU30489](#)

DNA(spec.)—APOC3 gene; seq.var. = ?

DNA(specification)—**APOC4 gene;****sequence variation**

name of component: apolipoprotein C-IV

[NPU30490](#)

DNA(spec.)—APOC4 gene; seq.var. = ?

DNA(specification)—**APOD gene;****sequence variation**

name of component: apolipoprotein D

[NPU30491](#)

DNA(spec.)—APOD gene; seq.var. = ?

DNA(specification)—**APOE gene;****sequence variation**

name of component: apolipoprotein E

[NPU19009](#)

DNA(spec.)—APOE gene; seq.var. = ?

DNA(specification)—**APOEL1 gene;****sequence variation**

name of component: apolipoprotein E-like 1

[NPU30492](#)

DNA(spec.)—APOEL1 gene; seq.var. = ?

DNA(specification)—**APOF gene;****sequence variation**

name of component: apolipoprotein F

[NPU30493](#)

DNA(spec.)—APOF gene; seq.var. = ?

DNA(specification)—
APOH gene;
sequence variation
name of component: apolipoprotein H (beta-2-glycoprotein I)
[NPU30494](#)
DNA(spec.)—APOH gene; seq.var. = ?

DNA(specification)—
APOL1 gene;
sequence variation
name of component: apolipoprotein L, 1
[NPU30495](#)
DNA(spec.)—APOL1 gene; seq.var. = ?

DNA(specification)—
APOL2 gene;
sequence variation
name of component: apolipoprotein L, 2
[NPU30496](#)
DNA(spec.)—APOL2 gene; seq.var. = ?

DNA(specification)—
APOL3 gene;
sequence variation
name of component: apolipoprotein L, 3
[NPU43125](#)
DNA(spec.)—APOL3 gene; seq.var. = ?

DNA(specification)—
APOL4 gene;
sequence variation
name of component: apolipoprotein L, 4
[NPU43124](#)
DNA(spec.)—APOL4 gene; seq.var. = ?

DNA(specification)—
APOL5 gene;
sequence variation
name of component: apolipoprotein L, 5
[NPU43126](#)
DNA(spec.)—APOL5 gene; seq.var. = ?

DNA(specification)—
APOL6 gene;
sequence variation
name of component: apolipoprotein L, 6
[NPU43127](#)
DNA(spec.)—APOL6 gene; seq.var. = ?

DNA(specification)—
APOM gene;
sequence variation
name of component: apolipoprotein M
[NPU42387](#)
DNA(spec.)—APOM gene; seq.var. = ?

DNA(specification)—
APP gene;
sequence variation
name of component: amyloid beta (A4) precursor protein (protease nexin-II, Alzheimer disease)
[NPU30497](#)
DNA(spec.)—APP gene; seq.var. = ?

DNA(specification)—
APPBP1 gene;
sequence variation
name of component: amyloid beta precursor protein binding protein 1, 59 kDa
[NPU30498](#)
DNA(spec.)—APPBP1 gene; seq.var. = ?

DNA(specification)—
APPBP2 gene;
sequence variation
name of component: amyloid beta precursor protein (cytoplasmic tail) binding protein 2
[NPU30499](#)
DNA(spec.)—APPBP2 gene; seq.var. = ?

DNA(specification)—
APPL1 gene;
sequence variation
name of component: amyloid beta (A4) precursor protein-like 1
[NPU30500](#)
DNA(spec.)—APPL1 gene; seq.var. = ?

DNA(specification)—
APRIN gene;
sequence variation
name of component: androgen-induced proliferation inhibitor
[NPU47610](#)
DNA(spec.)—APRIN gene; seq.var. = ?

DNA(specification)—
APRT gene;
sequence variation
name of component: adenine phosphoribosyltransferase
[NPU30501](#)
DNA(spec.)—APRT gene; seq.var. = ?

DNA(specification)—
APTX gene;
sequence variation
name of component: aprataxin
[NPU44060](#)
DNA(spec.)—APTX gene; seq.var. = ?

DNA(specification)—**APXL gene;****sequence variation**

name of component: apical protein-like (*Xenopus laevis*)

[NPU30502](#)

DNA(spec.)—APXL gene; seq.var. = ?

DNA(specification)—**APXLP gene;****sequence variation**

name of component: apical protein-like (*Xenopus laevis*) pseudogene

[NPU30503](#)

DNA(spec.)—APXLP gene; seq.var. = ?

DNA(specification)—**AQP1 gene;****sequence variation**

name of component: aquaporin 1 (channel-forming integral protein, 28 kDa)

[NPU30504](#)

DNA(spec.)—AQP1 gene; seq.var. = ?

DNA(specification)—**AQP10 gene;****sequence variation**

name of component: aquaporin 10

[NPU44093](#)

DNA(spec.)—AQP10 gene; seq.var. = ?

DNA(specification)—**AQP11 gene;****sequence variation**

name of component: aquaporin 11

[NPU47329](#)

DNA(spec.)—AQP11 gene; seq.var. = ?

DNA(specification)—**AQP12 gene;****sequence variation**

name of component: aquaporin 12

[NPU47330](#)

DNA(spec.)—AQP12 gene; seq.var. = ?

DNA(specification)—**AQP2 gene;****sequence variation**

name of component: aquaporin 2 (collecting duct)

[NPU30505](#)

DNA(spec.)—AQP2 gene; seq.var. = ?

DNA(specification)—**AQP3 gene;****sequence variation**

name of component: aquaporin 3

[NPU30506](#)

DNA(spec.)—AQP3 gene; seq.var. = ?

DNA(specification)—**AQP4 gene;****sequence variation**

name of component: aquaporin 4

[NPU30507](#)

DNA(spec.)—AQP4 gene; seq.var. = ?

DNA(specification)—**AQP5 gene;****sequence variation**

name of component: aquaporin 5

[NPU30508](#)

DNA(spec.)—AQP5 gene; seq.var. = ?

DNA(specification)—**AQP6 gene;****sequence variation**

name of component: aquaporin 6, kidney specific

[NPU30509](#)

DNA(spec.)—AQP6 gene; seq.var. = ?

DNA(specification)—**AQP7 gene;****sequence variation**

name of component: aquaporin 7

[NPU30510](#)

DNA(spec.)—AQP7 gene; seq.var. = ?

DNA(specification)—**AQP8 gene;****sequence variation**

name of component: aquaporin 8

[NPU30511](#)

DNA(spec.)—AQP8 gene; seq.var. = ?

DNA(specification)—**AQP9 gene;****sequence variation**

name of component: aquaporin 9

[NPU30512](#)

DNA(spec.)—AQP9 gene; seq.var. = ?

DNA(specification)—**AR gene;****sequence variation**

name of component: androgen receptor (dihydro-testosterone receptor; testicular feminization; spinal and bulbar muscular atrophy; Kennedy disease)

[NPU19010](#)

DNA(spec.)—AR gene; seq.var. = ?

DNA(specification)—**ARAF1 gene;****sequence variation**

name of component: v-raf murine sarcoma 3611 viral oncogene homolog 1

[NPU30513](#)

DNA(spec.)—ARAF1 gene; seq.var. = ?

DNA(specification)—**ARAF2P gene;****sequence variation**

name of component: v-raf murine sarcoma 3611
viral oncogene homolog 2, pseudogene

[NPU30514](#)

DNA(spec.)—ARAF2P gene; seq.var. = ?

DNA(specification)—**ARC gene;****sequence variation**

name of component: activity-regulated cytoskeleton-associated protein

[NPU30515](#)

DNA(spec.)—ARC gene; seq.var. = ?

DNA(specification)—**ARCN1 gene;****sequence variation**

name of component: archain 1

[NPU30516](#)

DNA(spec.)—ARCN1 gene; seq.var. = ?

DNA(specification)—**ARCN2 gene;****sequence variation**

name of component: archain 2

[NPU30517](#)

DNA(spec.)—ARCN2 gene; seq.var. = ?

DNA(specification)—**ARD1 gene;****sequence variation**

name of component: ARD1 homolog, N-acetyltransferase (S. cerevisiae)

[NPU46627](#)

DNA(spec.)—ARD1 gene; seq.var. = ?

DNA(specification)—**AREG gene;****sequence variation**

name of component: amphiregulin (schwannoma-derived growth factor)

[NPU30518](#)

DNA(spec.)—AREG gene; seq.var. = ?

DNA(specification)—**ARF1 gene;****sequence variation**

name of component: ADP-ribosylation factor 1

[NPU30519](#)

DNA(spec.)—ARF1 gene; seq.var. = ?

DNA(specification)—**ARF2 gene;****sequence variation**

name of component: ADP-ribosylation factor 2

[NPU30520](#)

DNA(spec.)—ARF2 gene; seq.var. = ?

DNA(specification)—**ARF3 gene;****sequence variation**

name of component: ADP-ribosylation factor 3

[NPU30521](#)

DNA(spec.)—ARF3 gene; seq.var. = ?

DNA(specification)—**ARF4 gene;****sequence variation**

name of component: ADP-ribosylation factor 4

[NPU30522](#)

DNA(spec.)—ARF4 gene; seq.var. = ?

DNA(specification)—**ARF4L gene;****sequence variation**

name of component: ADP-ribosylation factor 4-like

[NPU30523](#)

DNA(spec.)—ARF4L gene; seq.var. = ?

DNA(specification)—**ARF4P gene;****sequence variation**

name of component: ADP-ribosylation factor 4 pseudogene

[NPU30524](#)

DNA(spec.)—ARF4P gene; seq.var. = ?

DNA(specification)—**ARF4P2 gene;****sequence variation**

name of component: ADP-ribosylation factor 4 pseudogene 2

[NPU44579](#)

DNA(spec.)—ARF4P2 gene; seq.var. = ?

DNA(specification)—**ARF5 gene;****sequence variation**

name of component: ADP-ribosylation factor 5

[NPU30525](#)

DNA(spec.)—ARF5 gene; seq.var. = ?

DNA(specification)—**ARF6 gene;****sequence variation**

name of component: ADP-ribosylation factor 6

[NPU30526](#)

DNA(spec.)—ARF6 gene; seq.var. = ?

DNA(specification)—**ARFD1 gene;****sequence variation**

name of component: ADP-ribosylation factor domain protein 1, 64 kDa

[NPU30527](#)

DNA(spec.)—ARFD1 gene; seq.var. = ?

DNA(specification)—**ARFGAP1 gene;****sequence variation**

name of component: ADP-ribosylation factor
GTPase activating protein 1

[NPU43943](#)

DNA(spec.)—ARFGAP1 gene; seq.var. = ?

DNA(specification)—**ARFGAP3 gene;****sequence variation**

name of component: ADP-ribosylation factor
GTPase activating protein 3

[NPU30528](#)

DNA(spec.)—ARFGAP3 gene; seq.var. = ?

DNA(specification)—**ARFGEF2 gene;****sequence variation**

name of component: ADP-ribosylation factor gua-
nine nucleotide-exchange factor 2 (brefeldin A-
inhibited)

[NPU43944](#)

DNA(spec.)—ARFGEF2 gene; seq.var. = ?

DNA(specification)—**ARFRP1 gene;****sequence variation**

name of component: ADP-ribosylation factor re-
lated protein 1

[NPU30529](#)

DNA(spec.)—ARFRP1 gene; seq.var. = ?

DNA(specification)—**ARG1 gene;****sequence variation**

name of component: arginase, liver

[NPU19011](#)

DNA(spec.)—ARG1 gene; seq.var. = ?

DNA(specification)—**ARG2 gene;****sequence variation**

name of component: arginase, type II

[NPU30530](#)

DNA(spec.)—ARG2 gene; seq.var. = ?

DNA(specification)—**ARHA gene;****sequence variation**

name of component: ras homolog gene family,
member A

[NPU30531](#)

DNA(spec.)—ARHA gene; seq.var. = ?

DNA(specification)—**ARHB gene;****sequence variation**

name of component: ras homolog gene family,
member B

[NPU30532](#)

DNA(spec.)—ARHB gene; seq.var. = ?

DNA(specification)—**ARHC gene;****sequence variation**

name of component: ras homolog gene family,
member C

[NPU30533](#)

DNA(spec.)—ARHC gene; seq.var. = ?

DNA(specification)—**ARHCL1 gene;****sequence variation**

name of component: ras homolog gene family,
member C like 1

[NPU46551](#)

DNA(spec.)—ARHCL1 gene; seq.var. = ?

DNA(specification)—**ARHD gene;****sequence variation**

name of component: ras homolog gene family,
member D

[NPU30534](#)

DNA(spec.)—ARHD gene; seq.var. = ?

DNA(specification)—**ARHE gene;****sequence variation**

name of component: ras homolog gene family,
member E

[NPU30535](#)

DNA(spec.)—ARHE gene; seq.var. = ?

DNA(specification)—**ARHF gene;****sequence variation**

name of component: ras homolog gene family,
member F (in filopodia)

[NPU43837](#)

DNA(spec.)—ARHF gene; seq.var. = ?

DNA(specification)—**ARHG gene;****sequence variation**

name of component: ras homolog gene family,
member G (rho G)

[NPU30536](#)

DNA(spec.)—ARHG gene; seq.var. = ?

DNA(specification)—
ARHGAP1 gene;
sequence variation
name of component: Rho GTPase activating protein 1
[NPU30537](#)
DNA(spec.)—ARHGAP1 gene; seq.var. = ?

DNA(specification)—
ARHGAP12 gene;
sequence variation
name of component: Rho GTPase activating protein 12
[NPU44366](#)
DNA(spec.)—ARHGAP12 gene; seq.var. = ?

DNA(specification)—
ARHGAP15 gene;
sequence variation
name of component: Rho GTPase activating protein 15
[NPU47837](#)
DNA(spec.)—ARHGAP15 gene; seq.var. = ?

DNA(specification)—
ARHGAP16P gene;
sequence variation
name of component: Rho GTPase activating protein 16 pseudogene
[NPU47312](#)
DNA(spec.)—ARHGAP16P gene; seq.var. = ?

DNA(specification)—
ARHGAP18 gene;
sequence variation
name of component: Rho GTPase activating protein 18
[NPU47841](#)
DNA(spec.)—ARHGAP18 gene; seq.var. = ?

DNA(specification)—
ARHGAP4 gene;
sequence variation
name of component: Rho GTPase activating protein 4
[NPU30538](#)
DNA(spec.)—ARHGAP4 gene; seq.var. = ?

DNA(specification)—
ARHGAP5 gene;
sequence variation
name of component: Rho GTPase activating protein 5
[NPU30539](#)
DNA(spec.)—ARHGAP5 gene; seq.var. = ?

DNA(specification)—
ARHGAP6 gene;
sequence variation
name of component: Rho GTPase activating protein 6
[NPU30540](#)
DNA(spec.)—ARHGAP6 gene; seq.var. = ?

DNA(specification)—
ARHGAP8 gene;
sequence variation
name of component: Rho GTPase activating protein 8
[NPU30541](#)
DNA(spec.)—ARHGAP8 gene; seq.var. = ?

DNA(specification)—
ARHGAP9 gene;
sequence variation
name of component: Rho GTPase activating protein 9
[NPU42527](#)
DNA(spec.)—ARHGAP9 gene; seq.var. = ?

DNA(specification)—
ARHGDIA gene;
sequence variation
name of component: Rho GDP dissociation inhibitor (GDI) alpha
[NPU30542](#)
DNA(spec.)—ARHGDIA gene; seq.var. = ?

DNA(specification)—
ARHGDIB gene;
sequence variation
name of component: Rho GDP dissociation inhibitor (GDI) beta
[NPU30543](#)
DNA(spec.)—ARHGDIB gene; seq.var. = ?

DNA(specification)—
ARHGDIG gene;
sequence variation
name of component: Rho GDP dissociation inhibitor (GDI) gamma
[NPU30544](#)
DNA(spec.)—ARHGDIG gene; seq.var. = ?

DNA(specification)—
ARHGEF1 gene;
sequence variation
name of component: Rho guanine nucleotide exchange factor (GEF) 1
[NPU30545](#)
DNA(spec.)—ARHGEF1 gene; seq.var. = ?

DNA(specification)—
ARHGEF10 gene;
sequence variation
name of component: Rho guanine nucleotide exchange factor (GEF) 10
[NPU42511](#)
DNA(spec.)—ARHGEF10 gene; seq.var. = ?

DNA(specification)—
ARHGEF11 gene;
sequence variation
name of component: Rho guanine nucleotide exchange factor (GEF) 11
[NPU42876](#)
DNA(spec.)—ARHGEF11 gene; seq.var. = ?

DNA(specification)—
ARHGEF12 gene;
sequence variation
name of component: Rho guanine nucleotide exchange factor (GEF) 12
[NPU42580](#)
DNA(spec.)—ARHGEF12 gene; seq.var. = ?

DNA(specification)—
ARHGEF15 gene;
sequence variation
name of component: Rho guanine nucleotide exchange factor (GEF) 15
[NPU43765](#)
DNA(spec.)—ARHGEF15 gene; seq.var. = ?

DNA(specification)—
ARHGEF16 gene;
sequence variation
name of component: Rho guanine exchange factor (GEF) 16
[NPU43712](#)
DNA(spec.)—ARHGEF16 gene; seq.var. = ?

DNA(specification)—
ARHGEF2 gene;
sequence variation
name of component: rho/rac guanine nucleotide exchange factor (GEF) 2
[NPU30546](#)
DNA(spec.)—ARHGEF2 gene; seq.var. = ?

DNA(specification)—
ARHGEF3 gene;
sequence variation
name of component: Rho guanine nucleotide exchange factor (GEF) 3
[NPU30547](#)
DNA(spec.)—ARHGEF3 gene; seq.var. = ?

DNA(specification)—
ARHGEF4 gene;
sequence variation
name of component: Rho guanine nucleotide exchange factor (GEF) 4
[NPU30548](#)
DNA(spec.)—ARHGEF4 gene; seq.var. = ?

DNA(specification)—
ARHGEF5 gene;
sequence variation
name of component: Rho guanine nucleotide exchange factor (GEF) 5
[NPU42042](#)
DNA(spec.)—ARHGEF5 gene; seq.var. = ?

DNA(specification)—
ARHGEF6 gene;
sequence variation
name of component: Rac/Cdc42 guanine nucleotide exchange factor (GEF) 6
[NPU30549](#)
DNA(spec.)—ARHGEF6 gene; seq.var. = ?

DNA(specification)—
ARHGEF7 gene;
sequence variation
name of component: Rho guanine nucleotide exchange factor (GEF) 7
[NPU43778](#)
DNA(spec.)—ARHGEF7 gene; seq.var. = ?

DNA(specification)—
ARHGEF9 gene;
sequence variation
name of component: Cdc42 guanine nucleotide exchange factor (GEF) 9
[NPU42864](#)
DNA(spec.)—ARHGEF9 gene; seq.var. = ?

DNA(specification)—
ARHH gene;
sequence variation
name of component: ras homolog gene family, member H
[NPU30550](#)
DNA(spec.)—ARHH gene; seq.var. = ?

DNA(specification)—
ARHI gene;
sequence variation
name of component: ras homolog gene family, member I
[NPU30551](#)
DNA(spec.)—ARHI gene; seq.var. = ?

DNA(specification)—**ARHJ gene;****sequence variation**

name of component: ras homolog gene family,
member J

[NPU30552](#)

DNA(spec.)—ARHJ gene; seq.var. = ?

DNA(specification)—**ARHN gene;****sequence variation**

name of component: ras homolog gene family,
member N

[NPU46397](#)

DNA(spec.)—ARHN gene; seq.var. = ?

DNA(specification)—**ARHQ gene;****sequence variation**

name of component: ras homolog gene family,
member Q

[NPU46084](#)

DNA(spec.)—ARHQ gene; seq.var. = ?

DNA(specification)—**ARHQP gene;****sequence variation**

name of component: ras homolog gene family,
member Q pseudogene

[NPU47347](#)

DNA(spec.)—ARHQP gene; seq.var. = ?

DNA(specification)—**ARHU gene;****sequence variation**

name of component: ras homolog gene family,
member U

[NPU46100](#)

DNA(spec.)—ARHU gene; seq.var. = ?

DNA(specification)—**ARHV gene;****sequence variation**

name of component: ras homolog gene family,
member V

[NPU46396](#)

DNA(spec.)—ARHV gene; seq.var. = ?

DNA(specification)—**ARIH1 gene;****sequence variation**

name of component: ariadne homolog, ubiquitin-
conjugating enzyme E2 binding protein, 1 (Droso-
phila)

[NPU30553](#)

DNA(spec.)—ARIH1 gene; seq.var. = ?

DNA(specification)—**ARIH2 gene;****sequence variation**

name of component: ariadne homolog 2 (Droso-
phila)

[NPU30554](#)

DNA(spec.)—ARIH2 gene; seq.var. = ?

DNA(specification)—**ARL1 gene;****sequence variation**

name of component: ADP-ribosylation factor-like
1

[NPU30556](#)

DNA(spec.)—ARL1 gene; seq.var. = ?

DNA(specification)—**ARL2 gene;****sequence variation**

name of component: ADP-ribosylation factor-like
2

[NPU30557](#)

DNA(spec.)—ARL2 gene; seq.var. = ?

DNA(specification)—**ARL3 gene;****sequence variation**

name of component: ADP-ribosylation factor-like
3

[NPU30558](#)

DNA(spec.)—ARL3 gene; seq.var. = ?

DNA(specification)—**ARL4 gene;****sequence variation**

name of component: ADP-ribosylation factor-like
4

[NPU30559](#)

DNA(spec.)—ARL4 gene; seq.var. = ?

DNA(specification)—**ARL5 gene;****sequence variation**

name of component: ADP-ribosylation factor-like
5

[NPU30560](#)

DNA(spec.)—ARL5 gene; seq.var. = ?

DNA(specification)—**ARL6IP gene;****sequence variation**

name of component: ADP-ribosylation factor-like
6 interacting protein

[NPU30561](#)

DNA(spec.)—ARL6IP gene; seq.var. = ?

DNA(specification)—**ARL6IP4 gene;****sequence variation**

name of component: ADP-ribosylation-like factor 6 interacting protein 4

[NPU46268](#)

DNA(spec.)—ARL6IP4 gene; seq.var. = ?

DNA(specification)—**ARL7 gene;****sequence variation**

name of component: ADP-ribosylation factor-like 7

[NPU30562](#)

DNA(spec.)—ARL7 gene; seq.var. = ?

DNA(specification)—**ARMD1 gene;****sequence variation**

name of component: age-related macular degeneration 1 (senile macular degeneration)

[NPU30563](#)

DNA(spec.)—ARMD1 gene; seq.var. = ?

DNA(specification)—**ARMET gene;****sequence variation**

name of component: arginine-rich, mutated in early stage tumors

[NPU43677](#)

DNA(spec.)—ARMET gene; seq.var. = ?

DNA(specification)—**ARNT gene;****sequence variation**

name of component: aryl hydrocarbon receptor nuclear translocator

[NPU30564](#)

DNA(spec.)—ARNT gene; seq.var. = ?

DNA(specification)—**ARNT2 gene;****sequence variation**

name of component: aryl-hydrocarbon receptor nuclear translocator 2

[NPU44754](#)

DNA(spec.)—ARNT2 gene; seq.var. = ?

DNA(specification)—**ARNTL gene;****sequence variation**

name of component: aryl hydrocarbon receptor nuclear translocator-like

[NPU30565](#)

DNA(spec.)—ARNTL gene; seq.var. = ?

DNA(specification)—**ARPC1A gene;****sequence variation**

name of component: actin related protein 2/3 complex, subunit 1A, 41 kDa

[NPU30566](#)

DNA(spec.)—ARPC1A gene; seq.var. = ?

DNA(specification)—**ARPC1B gene;****sequence variation**

name of component: actin related protein 2/3 complex, subunit 1B, 41 kDa

[NPU30567](#)

DNA(spec.)—ARPC1B gene; seq.var. = ?

DNA(specification)—**ARPC2 gene;****sequence variation**

name of component: actin related protein 2/3 complex, subunit 2, 34 kDa

[NPU30568](#)

DNA(spec.)—ARPC2 gene; seq.var. = ?

DNA(specification)—**ARPC3 gene;****sequence variation**

name of component: actin related protein 2/3 complex, subunit 3, 21 kDa

[NPU30569](#)

DNA(spec.)—ARPC3 gene; seq.var. = ?

DNA(specification)—**ARPC3B gene;****sequence variation**

name of component: actin related protein 2/3 complex, subunit 3B, 21 kDa

[NPU44139](#)

DNA(spec.)—ARPC3B gene; seq.var. = ?

DNA(specification)—**ARPC4 gene;****sequence variation**

name of component: actin related protein 2/3 complex, subunit 4, 20 kDa

[NPU30570](#)

DNA(spec.)—ARPC4 gene; seq.var. = ?

DNA(specification)—**ARPC5 gene;****sequence variation**

name of component: actin related protein 2/3 complex, subunit 5, 16 kDa

[NPU30571](#)

DNA(spec.)—ARPC5 gene; seq.var. = ?

DNA(specification)—
ARR3 gene;
sequence variation
 name of component: arrestin 3, retinal (X-arrestin)
[NPU30572](#)
 DNA(spec.)—ARR3 gene; seq.var. = ?

DNA(specification)—
ARRB1 gene;
sequence variation
 name of component: arrestin, beta 1
[NPU30573](#)
 DNA(spec.)—ARRB1 gene; seq.var. = ?

DNA(specification)—
ARRB2 gene;
sequence variation
 name of component: arrestin, beta 2
[NPU30574](#)
 DNA(spec.)—ARRB2 gene; seq.var. = ?

DNA(specification)—
ARSA gene;
sequence variation
 name of component: arylsulfatase A
[NPU19012](#)
 DNA(spec.)—ARSA gene; seq.var. = ?

DNA(specification)—
ARSA gene(MIM250100.0001);
entitic number(0 1 2)
NPU19277
 DNA(spec.)—ARSA gene(MIM250100.0001);
 entitic num.(0 1 2) = ?

DNA(specification)—
ARSB gene;
sequence variation
 name of component: arylsulfatase B
[NPU19013](#)
 DNA(spec.)—ARSB gene; seq.var. = ?

DNA(specification)—
ARSC2 gene;
sequence variation
 name of component: arylsulfatase C, isozyme F
[NPU30575](#)
 DNA(spec.)—ARSC2 gene; seq.var. = ?

DNA(specification)—
ARSD gene;
sequence variation
 name of component: arylsulfatase D
[NPU30576](#)
 DNA(spec.)—ARSD gene; seq.var. = ?

DNA(specification)—
ARSDP gene;
sequence variation
 name of component: arylsulfatase D pseudogene
[NPU30577](#)
 DNA(spec.)—ARSDP gene; seq.var. = ?

DNA(specification)—
ARSE gene;
sequence variation
 name of component: arylsulfatase E (chondrodys-
 plasia punctata 1)
[NPU19015](#)
 DNA(spec.)—ARSE gene; seq.var. = ?

DNA(specification)—
ARSEP gene;
sequence variation
 name of component: arylsulfatase E pseudogene
[NPU30578](#)
 DNA(spec.)—ARSEP gene; seq.var. = ?

DNA(specification)—
ARSF gene;
sequence variation
 name of component: arylsulfatase F
[NPU30579](#)
 DNA(spec.)—ARSF gene; seq.var. = ?

DNA(specification)—
ARSFP gene;
sequence variation
 name of component: arylsulfatase F pseudogene
[NPU30580](#)
 DNA(spec.)—ARSFP gene; seq.var. = ?

DNA(specification)—
ART1 gene;
sequence variation
 name of component: ADP-ribosyltransferase 1
[NPU30581](#)
 DNA(spec.)—ART1 gene; seq.var. = ?

DNA(specification)—
ART2P gene;
sequence variation
 name of component: ADP-ribosyltransferase 2
 pseudogene (RT6 antigen homolog, rat)
[NPU30582](#)
 DNA(spec.)—ART2P gene; seq.var. = ?

DNA(specification)—
ART3 gene;
sequence variation
 name of component: ADP-ribosyltransferase 3
[NPU30583](#)
 DNA(spec.)—ART3 gene; seq.var. = ?

DNA(specification)—**ARTN gene;****sequence variation**

name of component: artemin

[NPU30585](#)

DNA(spec.)—ARTN gene; seq.var. = ?

DNA(specification)—**ARVCF gene;****sequence variation**

name of component: armadillo repeat gene deletes in velocardiofacial syndrome

[NPU30586](#)

DNA(spec.)—ARVCF gene; seq.var. = ?

DNA(specification)—**ARVD1 gene;****sequence variation**

name of component: arrhythmogenic right ventricular dysplasia 1

[NPU30587](#)

DNA(spec.)—ARVD1 gene; seq.var. = ?

DNA(specification)—**ARVD2 gene;****sequence variation**

name of component: arrhythmogenic right ventricular dysplasia 2

[NPU30588](#)

DNA(spec.)—ARVD2 gene; seq.var. = ?

DNA(specification)—**ARVD3 gene;****sequence variation**

name of component: arrhythmogenic right ventricular dysplasia 3

[NPU30589](#)

DNA(spec.)—ARVD3 gene; seq.var. = ?

DNA(specification)—**ARVD4 gene;****sequence variation**

name of component: arrhythmogenic right ventricular dysplasia 4

[NPU30590](#)

DNA(spec.)—ARVD4 gene; seq.var. = ?

DNA(specification)—**ARVD5 gene;****sequence variation**

name of component: arrhythmogenic right ventricular dysplasia 5

[NPU30591](#)

DNA(spec.)—ARVD5 gene; seq.var. = ?

DNA(specification)—**ARX gene;****sequence variation**

name of component: aristaless related homeobox

[NPU46257](#)

DNA(spec.)—ARX gene; seq.var. = ?

DNA(specification)—**AS gene;****sequence variation**

name of component: ankylosing spondylitis

[NPU19278](#)

DNA(spec.)—AS gene; seq.var. = ?

DNA(specification)—**ASAH1 gene;****sequence variation**

name of component: N-acylsphingosine amidohydrolase (acid ceramidase) 1

[NPU30592](#)

DNA(spec.)—ASAH1 gene; seq.var. = ?

DNA(specification)—**ASAH2 gene;****sequence variation**

name of component: N-acylsphingosine amidohydrolase (non-lysosomal ceramidase) 2

[NPU46710](#)

DNA(spec.)—ASAH2 gene; seq.var. = ?

DNA(specification)—**ASAH1 gene;****sequence variation**

name of component: N-acylsphingosine amidohydrolase (acid ceramidase)-like

[NPU30593](#)

DNA(spec.)—ASAH1 gene; seq.var. = ?

DNA(specification)—**ASB1 gene;****sequence variation**

name of component: ankyrin repeat and SOCS box-containing 1

[NPU44080](#)

DNA(spec.)—ASB1 gene; seq.var. = ?

DNA(specification)—**ASB10 gene;****sequence variation**

name of component: ankyrin repeat and SOCS box-containing 10

[NPU44906](#)

DNA(spec.)—ASB10 gene; seq.var. = ?

DNA(specification)—**ASB12 gene;****sequence variation**

name of component: ankyrin repeat and SOCS
box-containing 12

[NPU47187](#)

DNA(spec.)—ASB12 gene; seq.var. = ?

DNA(specification)—**ASB13 gene;****sequence variation**

name of component: ankyrin repeat and SOCS
box-containing 13

[NPU47189](#)

DNA(spec.)—ASB13 gene; seq.var. = ?

DNA(specification)—**ASB14 gene;****sequence variation**

name of component: ankyrin repeat and SOCS
box-containing 14

[NPU47190](#)

DNA(spec.)—ASB14 gene; seq.var. = ?

DNA(specification)—**ASB15 gene;****sequence variation**

name of component: ankyrin repeat and SOCS
box-containing 15

[NPU47191](#)

DNA(spec.)—ASB15 gene; seq.var. = ?

DNA(specification)—**ASB16 gene;****sequence variation**

name of component: ankyrin repeat and SOCS
box-containing 16

[NPU47192](#)

DNA(spec.)—ASB16 gene; seq.var. = ?

DNA(specification)—**ASB17 gene;****sequence variation**

name of component: ankyrin repeat and SOCS
box-containing 17

[NPU47193](#)

DNA(spec.)—ASB17 gene; seq.var. = ?

DNA(specification)—**ASB18 gene;****sequence variation**

name of component: ankyrin repeat and SOCS
box-containing 18

[NPU47194](#)

DNA(spec.)—ASB18 gene; seq.var. = ?

DNA(specification)—**ASB2 gene;****sequence variation**

name of component: ankyrin repeat and SOCS
box-containing 2

[NPU44081](#)

DNA(spec.)—ASB2 gene; seq.var. = ?

DNA(specification)—**ASB3 gene;****sequence variation**

name of component: ankyrin repeat and SOCS
box-containing 3

[NPU44082](#)

DNA(spec.)—ASB3 gene; seq.var. = ?

DNA(specification)—**ASB4 gene;****sequence variation**

name of component: ankyrin repeat and SOCS
box-containing 4

[NPU44079](#)

DNA(spec.)—ASB4 gene; seq.var. = ?

DNA(specification)—**ASB5 gene;****sequence variation**

name of component: ankyrin repeat and SOCS
box-containing 5

[NPU44901](#)

DNA(spec.)—ASB5 gene; seq.var. = ?

DNA(specification)—**ASB6 gene;****sequence variation**

name of component: ankyrin repeat and SOCS
box-containing 6

[NPU44902](#)

DNA(spec.)—ASB6 gene; seq.var. = ?

DNA(specification)—**ASB7 gene;****sequence variation**

name of component: ankyrin repeat and SOCS
box-containing 7

[NPU44903](#)

DNA(spec.)—ASB7 gene; seq.var. = ?

DNA(specification)—**ASB8 gene;****sequence variation**

name of component: ankyrin repeat and SOCS
box-containing 8

[NPU44904](#)

DNA(spec.)—ASB8 gene; seq.var. = ?

DNA(specification)—**ASB9 gene;****sequence variation**

name of component: ankyrin repeat and SOCS box-containing 9

[NPU44905](#)

DNA(spec.)—ASB9 gene; seq.var. = ?

DNA(specification)—**ASCL1 gene;****sequence variation**

name of component: achaete-scute complex-like 1 (Drosophila)

[NPU30594](#)

DNA(spec.)—ASCL1 gene; seq.var. = ?

DNA(specification)—**ASCL2 gene;****sequence variation**

name of component: achaete-scute complex-like 2 (Drosophila)

[NPU30595](#)

DNA(spec.)—ASCL2 gene; seq.var. = ?

DNA(specification)—**ASCL3 gene;****sequence variation**

name of component: achaete-scute complex (Drosophila) homolog-like 3

[NPU30596](#)

DNA(spec.)—ASCL3 gene; seq.var. = ?

DNA(specification)—**ASD1 gene;****sequence variation**

name of component: atrial septal defect 1

[NPU30597](#)

DNA(spec.)—ASD1 gene; seq.var. = ?

DNA(specification)—**ASF1A gene;****sequence variation**

name of component: ASF1 anti-silencing function 1 homolog A (S. cerevisiae)

[NPU47824](#)

DNA(spec.)—ASF1A gene; seq.var. = ?

DNA(specification)—**ASF1B gene;****sequence variation**

name of component: ASF1 anti-silencing function 1 homolog B (S. cerevisiae)

[NPU47825](#)

DNA(spec.)—ASF1B gene; seq.var. = ?

DNA(specification)—**ASGR1 gene;****sequence variation**

name of component: asialoglycoprotein receptor 1

[NPU30598](#)

DNA(spec.)—ASGR1 gene; seq.var. = ?

DNA(specification)—**ASGR2 gene;****sequence variation**

name of component: asialoglycoprotein receptor 2

[NPU30599](#)

DNA(spec.)—ASGR2 gene; seq.var. = ?

DNA(specification)—**ASH2L gene;****sequence variation**

name of component: ash2 (absent, small, or homeotic)-like (Drosophila)

[NPU30600](#)

DNA(spec.)—ASH2L gene; seq.var. = ?

DNA(specification)—**ASH2LP1 gene;****sequence variation**

name of component: ash2 (absent, small, or homeotic)-like (Drosophila) pseudogene 1

[NPU46980](#)

DNA(spec.)—ASH2LP1 gene; seq.var. = ?

DNA(specification)—**ASIP gene;****sequence variation**

name of component: agouti signaling protein, nonagouti homolog (mouse)

[NPU30601](#)

DNA(spec.)—ASIP gene; seq.var. = ?

DNA(specification)—**ASL gene;****sequence variation**

name of component: argininosuccinate lyase

[NPU19016](#)

DNA(spec.)—ASL gene; seq.var. = ?

DNA(specification)—**ASLL gene;****sequence variation**

name of component: argininosuccinate lyase-like

[NPU30602](#)

DNA(spec.)—ASLL gene; seq.var. = ?

DNA(specification)—**ASMD gene;****sequence variation**

name of component: anterior segment mesenchymal dysgenesis

[NPU30603](#)

DNA(spec.)—ASMD gene; seq.var. = ?

DNA(specification)—**ASMT gene;****sequence variation**

name of component: acetylserotonin O-methyltransferase

[NPU30604](#)

DNA(spec.)—ASMT gene; seq.var. = ?

DNA(specification)—**ASMTL gene;****sequence variation**

name of component: acetylserotonin O-methyltransferase-like

[NPU30605](#)

DNA(spec.)—ASMTL gene; seq.var. = ?

DNA(specification)—**ASNA1 gene;****sequence variation**

name of component: arsA arsenite transporter, ATP-binding, homolog 1 (bacterial)

[NPU30606](#)

DNA(spec.)—ASNA1 gene; seq.var. = ?

DNA(specification)—**ASNS gene;****sequence variation**

name of component: asparagine synthetase

[NPU30607](#)

DNA(spec.)—ASNS gene; seq.var. = ?

DNA(specification)—**ASNSL1 gene;****sequence variation**

name of component: asparagine synthetase-like 1

[NPU30608](#)

DNA(spec.)—ASNSL1 gene; seq.var. = ?

DNA(specification)—**ASNSL2 gene;****sequence variation**

name of component: asparagine synthetase-like 2

[NPU30609](#)

DNA(spec.)—ASNSL2 gene; seq.var. = ?

DNA(specification)—**ASPA gene;****sequence variation**

name of component: aspartoacylase (aminoacylase 2, Canavan disease)

[NPU19017](#)

DNA(spec.)—ASPA gene; seq.var. = ?

DNA(specification)—**ASPH gene;****sequence variation**

name of component: aspartate beta-hydroxylase

[NPU30610](#)

DNA(spec.)—ASPH gene; seq.var. = ?

DNA(specification)—**ASPM gene;****sequence variation**

name of component: asp (abnormal spindle)-like, microcephaly associated (Drosophila)

[NPU46833](#)

DNA(spec.)—ASPM gene; seq.var. = ?

DNA(specification)—**ASPN gene;****sequence variation**

name of component: asporin (LRR class 1)

[NPU43129](#)

DNA(spec.)—ASPN gene; seq.var. = ?

DNA(specification)—**ASPSCR1 gene;****sequence variation**

name of component: alveolar soft part sarcoma chromosome region, candidate 1

[NPU42346](#)

DNA(spec.)—ASPSCR1 gene; seq.var. = ?

DNA(specification)—**ASRGL1 gene;****sequence variation**

name of component: asparaginase like 1

[NPU44445](#)

DNA(spec.)—ASRGL1 gene; seq.var. = ?

DNA(specification)—**ASS gene;****sequence variation**

name of component: argininosuccinate synthetase

[NPU19018](#)

DNA(spec.)—ASS gene; seq.var. = ?

DNA(specification)—**ASSP1 gene;****sequence variation**

name of component: argininosuccinate synthetase pseudogene 1

[NPU30611](#)

DNA(spec.)—ASSP1 gene; seq.var. = ?

DNA(specification)—**ASSP10 gene;****sequence variation**

name of component: argininosuccinate synthetase pseudogene 10

[NPU30612](#)

DNA(spec.)—ASSP10 gene; seq.var. = ?

DNA(specification)—**ASSP11 gene;****sequence variation**

name of component: argininosuccinate synthetase pseudogene 11

[NPU30613](#)

DNA(spec.)—ASSP11 gene; seq.var. = ?

DNA(specification)—**ASSP12 gene;****sequence variation**

name of component: argininosuccinate synthetase
pseudogene 12

[NPU30614](#)

DNA(spec.)—ASSP12 gene; seq.var. = ?

DNA(specification)—**ASSP13 gene;****sequence variation**

name of component: argininosuccinate synthetase
pseudogene 13

[NPU30615](#)

DNA(spec.)—ASSP13 gene; seq.var. = ?

DNA(specification)—**ASSP14 gene;****sequence variation**

name of component: argininosuccinate synthetase
pseudogene 14

[NPU30616](#)

DNA(spec.)—ASSP14 gene; seq.var. = ?

DNA(specification)—**ASSP2 gene;****sequence variation**

name of component: argininosuccinate synthetase
pseudogene 2

[NPU30617](#)

DNA(spec.)—ASSP2 gene; seq.var. = ?

DNA(specification)—**ASSP3 gene;****sequence variation**

name of component: argininosuccinate synthetase
pseudogene 3

[NPU30618](#)

DNA(spec.)—ASSP3 gene; seq.var. = ?

DNA(specification)—**ASSP4 gene;****sequence variation**

name of component: argininosuccinate synthetase
pseudogene 4

[NPU30619](#)

DNA(spec.)—ASSP4 gene; seq.var. = ?

DNA(specification)—**ASSP5 gene;****sequence variation**

name of component: argininosuccinate synthetase
pseudogene 5

[NPU30620](#)

DNA(spec.)—ASSP5 gene; seq.var. = ?

DNA(specification)—**ASSP6 gene;****sequence variation**

name of component: argininosuccinate synthetase
pseudogene 6

[NPU30621](#)

DNA(spec.)—ASSP6 gene; seq.var. = ?

DNA(specification)—**ASSP7 gene;****sequence variation**

name of component: argininosuccinate synthetase
pseudogene 7

[NPU30622](#)

DNA(spec.)—ASSP7 gene; seq.var. = ?

DNA(specification)—**ASSP8 gene;****sequence variation**

name of component: argininosuccinate synthetase
pseudogene 8

[NPU30623](#)

DNA(spec.)—ASSP8 gene; seq.var. = ?

DNA(specification)—**ASSP9 gene;****sequence variation**

name of component: argininosuccinate synthetase
pseudogene 9

[NPU30624](#)

DNA(spec.)—ASSP9 gene; seq.var. = ?

DNA(specification)—**ASTN gene;****sequence variation**

name of component: astrotactin

[NPU30625](#)

DNA(spec.)—ASTN gene; seq.var. = ?

DNA(specification)—**ASTN2 gene;****sequence variation**

name of component: astrotactin 2

[NPU44815](#)

DNA(spec.)—ASTN2 gene; seq.var. = ?

DNA(specification)—**ASVS1 gene;****sequence variation**

name of component: adenovirus/SV40 integration
site 1

[NPU30626](#)

DNA(spec.)—ASVS1 gene; seq.var. = ?

DNA(specification)—**ASXL1 gene;****sequence variation**

name of component: additional sex combs like 1 (Drosophila)

[NPU46400](#)

DNA(spec.)—ASXL1 gene; seq.var. = ?

DNA(specification)—**ATBF1 gene;****sequence variation**

name of component: AT-binding transcription factor 1

[NPU30627](#)

DNA(spec.)—ATBF1 gene; seq.var. = ?

DNA(specification)—**ATCAY gene;****sequence variation**

name of component: ataxia, cerebellar, Cayman type

[NPU30628](#)

DNA(spec.)—ATCAY gene; seq.var. = ?

DNA(specification)—**ATD gene;****sequence variation**

name of component: asphixiating thoracic dystrophy (chondroectodermal dysplasia-like syndrome)

[NPU30629](#)

DNA(spec.)—ATD gene; seq.var. = ?

DNA(specification)—**ATE1 gene;****sequence variation**

name of component: arginyltransferase 1

[NPU30630](#)

DNA(spec.)—ATE1 gene; seq.var. = ?

DNA(specification)—**ATF1 gene;****sequence variation**

name of component: activating transcription factor 1

[NPU30631](#)

DNA(spec.)—ATF1 gene; seq.var. = ?

DNA(specification)—**ATF2 gene;****sequence variation**

name of component: activating transcription factor 2

[NPU30632](#)

DNA(spec.)—ATF2 gene; seq.var. = ?

DNA(specification)—**ATF3 gene;****sequence variation**

name of component: activating transcription factor 3

[NPU30633](#)

DNA(spec.)—ATF3 gene; seq.var. = ?

DNA(specification)—**ATF4 gene;****sequence variation**

name of component: activating transcription factor 4 (tax-responsive enhancer element B67)

[NPU30634](#)

DNA(spec.)—ATF4 gene; seq.var. = ?

DNA(specification)—**ATF4B gene;****sequence variation**

name of component: activating transcription factor 4B

[NPU30635](#)

DNA(spec.)—ATF4B gene; seq.var. = ?

DNA(specification)—**ATF4C gene;****sequence variation**

name of component: activating transcription factor 4C

[NPU30636](#)

DNA(spec.)—ATF4C gene; seq.var. = ?

DNA(specification)—**ATF4P gene;****sequence variation**

name of component: activating transcription factor 4 pseudogene (tax-responsive enhancer element B67 pseudogene)

[NPU30637](#)

DNA(spec.)—ATF4P gene; seq.var. = ?

DNA(specification)—**ATF5 gene;****sequence variation**

name of component: activating transcription factor 5

[NPU30638](#)

DNA(spec.)—ATF5 gene; seq.var. = ?

DNA(specification)—**ATF6 gene;****sequence variation**

name of component: activating transcription factor 6

[NPU30639](#)

DNA(spec.)—ATF6 gene; seq.var. = ?

DNA(specification)—**ATF7 gene;****sequence variation**

name of component: activating transcription factor 7

[NPU30640](#)

DNA(spec.)—ATF7 gene; seq.var. = ?

DNA(specification)—**ATF7IP gene;****sequence variation**

name of component: activating transcription factor 7 interacting protein

[NPU47401](#)

DNA(spec.)—ATF7IP gene; seq.var. = ?

DNA(specification)—**ATF7IP2 gene;****sequence variation**

name of component: activating transcription factor 7 interacting protein 2

[NPU47597](#)

DNA(spec.)—ATF7IP2 gene; seq.var. = ?

DNA(specification)—**ATHS gene;****sequence variation**

name of component: atherosclerosis susceptibility (lipoprotein associated)

[NPU30641](#)

DNA(spec.)—ATHS gene; seq.var. = ?

DNA(specification)—**ATIC gene;****sequence variation**

name of component: 5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase

[NPU30642](#)

DNA(spec.)—ATIC gene; seq.var. = ?

DNA(specification)—**ATM gene;****sequence variation**

name of component: ataxia telangiectasia mutated (includes complementation groups A, C and D)

[NPU19019](#)

DNA(spec.)—ATM gene; seq.var. = ?

DNA(specification)—**ATOH1 gene;****sequence variation**

name of component: atonal homolog 1 (Drosophila)

[NPU30643](#)

DNA(spec.)—ATOH1 gene; seq.var. = ?

DNA(specification)—**ATOH7 gene;****sequence variation**

name of component: atonal homolog 7 (Drosophila)

[NPU42380](#)

DNA(spec.)—ATOH7 gene; seq.var. = ?

DNA(specification)—**ATOX1 gene;****sequence variation**

name of component: ATOX1 antioxidant protein 1 homolog (yeast)

[NPU30644](#)

DNA(spec.)—ATOX1 gene; seq.var. = ?

DNA(specification)—**ATP10A gene;****sequence variation**

name of component: ATPase, Class V, type 10A

[NPU42184](#)

DNA(spec.)—ATP10A gene; seq.var. = ?

DNA(specification)—**ATP10B gene;****sequence variation**

name of component: ATPase, Class V, type 10B

[NPU42185](#)

DNA(spec.)—ATP10B gene; seq.var. = ?

DNA(specification)—**ATP10D gene;****sequence variation**

name of component: ATPase, Class V, type 10D

[NPU42189](#)

DNA(spec.)—ATP10D gene; seq.var. = ?

DNA(specification)—**ATP11A gene;****sequence variation**

name of component: ATPase, Class VI, type 11A

[NPU42190](#)

DNA(spec.)—ATP11A gene; seq.var. = ?

DNA(specification)—**ATP11B gene;****sequence variation**

name of component: ATPase, Class VI, type 11B

[NPU42191](#)

DNA(spec.)—ATP11B gene; seq.var. = ?

DNA(specification)—**ATP11C gene;****sequence variation**

name of component: ATPase, Class VI, type 11C

[NPU42192](#)

DNA(spec.)—ATP11C gene; seq.var. = ?

DNA(specification)—**ATP12A gene;****sequence variation**

name of component: ATPase, H⁺/K⁺ transporting, nongastric, alpha polypeptide

[NPU42338](#)

DNA(spec.)—ATP12A gene; seq.var. = ?

DNA(specification)—**ATP1A1 gene;****sequence variation**

name of component: ATPase, Na⁺/K⁺ transporting, alpha 1 polypeptide

[NPU30645](#)

DNA(spec.)—ATP1A1 gene; seq.var. = ?

DNA(specification)—**ATP1A2 gene;****sequence variation**

name of component: ATPase, Na⁺/K⁺ transporting, alpha 2 (+) polypeptide

[NPU30646](#)

DNA(spec.)—ATP1A2 gene; seq.var. = ?

DNA(specification)—**ATP1A3 gene;****sequence variation**

name of component: ATPase, Na⁺/K⁺ transporting, alpha 3 polypeptide

[NPU30647](#)

DNA(spec.)—ATP1A3 gene; seq.var. = ?

DNA(specification)—**ATP1A4 gene;****sequence variation**

name of component: ATPase, Na⁺/K⁺ transporting, alpha 4 polypeptide

[NPU42492](#)

DNA(spec.)—ATP1A4 gene; seq.var. = ?

DNA(specification)—**ATP1B1 gene;****sequence variation**

name of component: ATPase, Na⁺/K⁺ transporting, beta 1 polypeptide

[NPU30648](#)

DNA(spec.)—ATP1B1 gene; seq.var. = ?

DNA(specification)—**ATP1B2 gene;****sequence variation**

name of component: ATPase, Na⁺/K⁺ transporting, beta 2 polypeptide

[NPU30649](#)

DNA(spec.)—ATP1B2 gene; seq.var. = ?

DNA(specification)—**ATP1B3 gene;****sequence variation**

name of component: ATPase, Na⁺/K⁺ transporting, beta 3 polypeptide

[NPU30650](#)

DNA(spec.)—ATP1B3 gene; seq.var. = ?

DNA(specification)—**ATP1B3P1 gene;****sequence variation**

name of component: ATPase, Na⁺/K⁺ transporting, beta 3 pseudogene

[NPU30651](#)

DNA(spec.)—ATP1B3P1 gene; seq.var. = ?

DNA(specification)—**ATP1B4 gene;****sequence variation**

name of component: ATPase, (Na⁺)/K⁺ transporting, beta 4 polypeptide

[NPU30652](#)

DNA(spec.)—ATP1B4 gene; seq.var. = ?

DNA(specification)—**ATP1BL1 gene;****sequence variation**

name of component: ATPase, Na⁺/K⁺ transporting, beta polypeptide-like 1

[NPU30653](#)

DNA(spec.)—ATP1BL1 gene; seq.var. = ?

DNA(specification)—**ATP2A1 gene;****sequence variation**

name of component: ATPase, Ca⁺⁺ transporting, cardiac muscle, fast twitch 1

[NPU30654](#)

DNA(spec.)—ATP2A1 gene; seq.var. = ?

DNA(specification)—**ATP2A2 gene;****sequence variation**

name of component: ATPase, Ca⁺⁺ transporting, cardiac muscle, slow twitch 2

[NPU30655](#)

DNA(spec.)—ATP2A2 gene; seq.var. = ?

DNA(specification)—**ATP2A3 gene;****sequence variation**

name of component: ATPase, Ca⁺⁺ transporting, ubiquitous

[NPU30656](#)

DNA(spec.)—ATP2A3 gene; seq.var. = ?

DNA(specification)—**ATP2B1 gene;****sequence variation**

name of component: ATPase, Ca⁺⁺ transporting, plasma membrane 1

[NPU30657](#)

DNA(spec.)—ATP2B1 gene; seq.var. = ?

DNA(specification)—**ATP2B2 gene;****sequence variation**

name of component: ATPase, Ca⁺⁺ transporting, plasma membrane 2

[NPU30658](#)

DNA(spec.)—ATP2B2 gene; seq.var. = ?

DNA(specification)—**ATP2B3 gene;****sequence variation**

name of component: ATPase, Ca⁺⁺ transporting, plasma membrane 3

[NPU30659](#)

DNA(spec.)—ATP2B3 gene; seq.var. = ?

DNA(specification)—**ATP2B4 gene;****sequence variation**

name of component: ATPase, Ca⁺⁺ transporting, plasma membrane 4

[NPU30660](#)

DNA(spec.)—ATP2B4 gene; seq.var. = ?

DNA(specification)—**ATP2C1 gene;****sequence variation**

name of component: ATPase, Ca⁺⁺ transporting, type 2C, member 1

[NPU42043](#)

DNA(spec.)—ATP2C1 gene; seq.var. = ?

DNA(specification)—**ATP3 gene;****sequence variation**

name of component: ATPase, Mg⁺⁺ transporting

[NPU30661](#)

DNA(spec.)—ATP3 gene; seq.var. = ?

DNA(specification)—**ATP4A gene;****sequence variation**

name of component: ATPase, H⁺/K⁺ exchanging, alpha polypeptide

[NPU30662](#)

DNA(spec.)—ATP4A gene; seq.var. = ?

DNA(specification)—**ATP4B gene;****sequence variation**

name of component: ATPase, H⁺/K⁺ exchanging, beta polypeptide

[NPU30663](#)

DNA(spec.)—ATP4B gene; seq.var. = ?

DNA(specification)—**ATP5A1 gene;****sequence variation**

name of component: ATP synthase, H⁺ transporting, mitochondrial F1 complex, alpha subunit, isoform 1, cardiac muscle

[NPU30664](#)

DNA(spec.)—ATP5A1 gene; seq.var. = ?

DNA(specification)—**ATP5A2 gene;****sequence variation**

name of component: ATP synthase, H⁺ transporting, mitochondrial F1 complex, alpha subunit, isoform 2, non-cardiac muscle

[NPU30665](#)

DNA(spec.)—ATP5A2 gene; seq.var. = ?

DNA(specification)—**ATP5AL1 gene;****sequence variation**

name of component: ATP synthase, H⁺ transporting, mitochondrial F1 complex, alpha subunit, isoform 1, cardiac muscle-like 1

[NPU30666](#)

DNA(spec.)—ATP5AL1 gene; seq.var. = ?

DNA(specification)—**ATP5AL2 gene;****sequence variation**

name of component: ATP synthase, H⁺ transporting, mitochondrial F1 complex, alpha subunit, isoform 2, non-cardiac muscle-like 2

[NPU30667](#)

DNA(spec.)—ATP5AL2 gene; seq.var. = ?

DNA(specification)—**ATP5AP1 gene;****sequence variation**

name of component: ATP synthase, H⁺ transporting, mitochondrial F1 complex, alpha subunit, pseudogene 1

[NPU30668](#)

DNA(spec.)—ATP5AP1 gene; seq.var. = ?

DNA(specification)—**ATP5AP2 gene;****sequence variation**

name of component: ATP synthase, H⁺ transporting, mitochondrial F1 complex, alpha subunit, pseudogene 2

[NPU30669](#)

DNA(spec.)—ATP5AP2 gene; seq.var. = ?

DNA(specification)—**ATP5AP3 gene;****sequence variation**

name of component: ATP synthase, H⁺ transporting, mitochondrial F1 complex, alpha subunit, pseudogene 3

[NPU30670](#)

DNA(spec.)—ATP5AP3 gene; seq.var. = ?

DNA(specification)—**ATP5B gene;****sequence variation**

name of component: ATP synthase, H⁺ transporting, mitochondrial F1 complex, beta polypeptide

[NPU30671](#)

DNA(spec.)—ATP5B gene; seq.var. = ?

DNA(specification)—**ATP5BL1 gene;****sequence variation**

name of component: ATP synthase, H⁺ transporting, mitochondrial F1 complex, beta polypeptide-like 1

[NPU30672](#)

DNA(spec.)—ATP5BL1 gene; seq.var. = ?

DNA(specification)—**ATP5BL2 gene;****sequence variation**

name of component: ATP synthase, H⁺ transporting, mitochondrial F1 complex, beta polypeptide-like 2

[NPU30673](#)

DNA(spec.)—ATP5BL2 gene; seq.var. = ?

DNA(specification)—**ATP5C1 gene;****sequence variation**

name of component: ATP synthase, H⁺ transporting, mitochondrial F1 complex, gamma polypeptide 1

[NPU30674](#)

DNA(spec.)—ATP5C1 gene; seq.var. = ?

DNA(specification)—**ATP5C2 gene;****sequence variation**

name of component: ATP synthase, H⁺ transporting, mitochondrial F1 complex, gamma polypeptide 2

[NPU30675](#)

DNA(spec.)—ATP5C2 gene; seq.var. = ?

DNA(specification)—**ATP5D gene;****sequence variation**

name of component: ATP synthase, H⁺ transporting, mitochondrial F1 complex, delta subunit

[NPU30676](#)

DNA(spec.)—ATP5D gene; seq.var. = ?

DNA(specification)—**ATP5E gene;****sequence variation**

name of component: ATP synthase, H⁺ transporting, mitochondrial F1 complex, epsilon subunit

[NPU30677](#)

DNA(spec.)—ATP5E gene; seq.var. = ?

DNA(specification)—**ATP5EP1 gene;****sequence variation**

name of component: ATP synthase, H⁺ transporting, mitochondrial F1 complex, epsilon subunit pseudogene 1

[NPU30678](#)

DNA(spec.)—ATP5EP1 gene; seq.var. = ?

DNA(specification)—**ATP5F1 gene;****sequence variation**

name of component: ATP synthase, H⁺ transporting, mitochondrial F0 complex, subunit b, isoform 1

[NPU30679](#)

DNA(spec.)—ATP5F1 gene; seq.var. = ?

DNA(specification)—**ATP5G1 gene;****sequence variation**

name of component: ATP synthase, H⁺ transporting, mitochondrial F0 complex, subunit c (subunit 9), isoform 1

[NPU30680](#)

DNA(spec.)—ATP5G1 gene; seq.var. = ?

DNA(specification)—**ATP5G2 gene;****sequence variation**

name of component: ATP synthase, H⁺ transporting, mitochondrial F0 complex, subunit c (subunit 9), isoform 2

[NPU30681](#)

DNA(spec.)—ATP5G2 gene; seq.var. = ?

DNA(specification)—**ATP5G2P2 gene;****sequence variation**

name of component: ATP synthase, H⁺ transporting, mitochondrial F0 complex, subunit c (subunit 9) pseudogene 2

[NPU47145](#)

DNA(spec.)—ATP5G2P2 gene; seq.var. = ?

DNA(specification)—**ATP5G3 gene;****sequence variation**

name of component: ATP synthase, H⁺ transporting, mitochondrial F0 complex, subunit c (subunit 9) isoform 3

[NPU30682](#)

DNA(spec.)—ATP5G3 gene; seq.var. = ?

DNA(specification)—**ATP5GP1 gene;****sequence variation**

name of component: ATP synthase, H⁺ transporting, mitochondrial F0 complex, subunit c (subunit 9) pseudogene 1

[NPU30683](#)

DNA(spec.)—ATP5GP1 gene; seq.var. = ?

DNA(specification)—**ATP5GP3 gene;****sequence variation**

name of component: ATP synthase, H⁺ transporting, mitochondrial F0 complex, subunit c (subunit 9) pseudogene 3

[NPU47238](#)

DNA(spec.)—ATP5GP3 gene; seq.var. = ?

DNA(specification)—**ATP5GP4 gene;****sequence variation**

name of component: ATP synthase, H⁺ transporting, mitochondrial F0 complex, subunit c (subunit 9) pseudogene 4

[NPU47240](#)

DNA(spec.)—ATP5GP4 gene; seq.var. = ?

DNA(specification)—**ATP5H gene;****sequence variation**

name of component: ATP synthase, H⁺ transporting, mitochondrial F0 complex, subunit d

[NPU30684](#)

DNA(spec.)—ATP5H gene; seq.var. = ?

DNA(specification)—**ATP5I gene;****sequence variation**

name of component: ATP synthase, H⁺ transporting, mitochondrial F0 complex, subunit e

[NPU30685](#)

DNA(spec.)—ATP5I gene; seq.var. = ?

DNA(specification)—**ATP5J gene;****sequence variation**

name of component: ATP synthase, H⁺ transporting, mitochondrial F0 complex, subunit F6

[NPU30686](#)

DNA(spec.)—ATP5J gene; seq.var. = ?

DNA(specification)—**ATP5J2 gene;****sequence variation**

name of component: ATP synthase, H⁺ transporting, mitochondrial F0 complex, subunit f, isoform 2

[NPU30687](#)

DNA(spec.)—ATP5J2 gene; seq.var. = ?

DNA(specification)—**ATP5J2LP gene;****sequence variation**

name of component: ATP synthase, H⁺ transporting, mitochondrial F0 complex, subunit f, isoform 2-like pseudogene

[NPU30688](#)

DNA(spec.)—ATP5J2LP gene; seq.var. = ?

DNA(specification)—**ATP5L gene;****sequence variation**

name of component: ATP synthase, H⁺ transporting, mitochondrial F0 complex, subunit g

[NPU42614](#)

DNA(spec.)—ATP5L gene; seq.var. = ?

DNA(specification)—**ATP5L2 gene;****sequence variation**

name of component: ATP synthase, H⁺ transporting, mitochondrial F0 complex, subunit g, isoform 2

[NPU42044](#)

DNA(spec.)—ATP5L2 gene; seq.var. = ?

DNA(specification)—**ATP5LP1 gene;****sequence variation**

name of component: ATP synthase, H⁺ transporting, mitochondrial F0 complex, subunit g, pseudogene 1

[NPU42045](#)

DNA(spec.)—ATP5LP1 gene; seq.var. = ?

DNA(specification)—**ATP5LP2 gene;****sequence variation**

name of component: ATP synthase, H⁺ transporting, mitochondrial F0 complex, subunit g, pseudogene 2

[NPU42046](#)

DNA(spec.)—ATP5LP2 gene; seq.var. = ?

DNA(specification)—**ATP5LP3 gene;****sequence variation**

name of component: ATP synthase, H⁺ transporting, mitochondrial F0 complex, subunit g, pseudogene 3

[NPU42047](#)

DNA(spec.)—ATP5LP3 gene; seq.var. = ?

DNA(specification)—**ATP5O gene;****sequence variation**

name of component: ATP synthase, H⁺ transporting, mitochondrial F1 complex, O subunit (oligomycin sensitivity conferring protein)

[NPU30689](#)

DNA(spec.)—ATP5O gene; seq.var. = ?

DNA(specification)—**ATP5S gene;****sequence variation**

name of component: ATP synthase, H⁺ transporting, mitochondrial F0 complex, subunit s (factor B)

[NPU46668](#)

DNA(spec.)—ATP5S gene; seq.var. = ?

DNA(specification)—**ATP6IP1 gene;****sequence variation**

name of component: ATPase, H⁺ transporting, lysosomal interacting protein 1

[NPU30705](#)

DNA(spec.)—ATP6IP1 gene; seq.var. = ?

DNA(specification)—**ATP6IP2 gene;****sequence variation**

name of component: ATPase, H⁺ transporting, lysosomal interacting protein 2

[NPU46391](#)

DNA(spec.)—ATP6IP2 gene; seq.var. = ?

DNA(specification)—**ATP6V0A1 gene;****sequence variation**

name of component: ATPase, H⁺ transporting, lysosomal V0 subunit a isoform 1

[NPU30703](#)

DNA(spec.)—ATP6V0A1 gene; seq.var. = ?

DNA(specification)—**ATP6V0A2 gene;****sequence variation**

name of component: ATPase, H⁺ transporting, lysosomal V0 subunit a isoform 2

[NPU46488](#)

DNA(spec.)—ATP6V0A2 gene; seq.var. = ?

DNA(specification)—**ATP6V0A4 gene;****sequence variation**

name of component: ATPase, H⁺ transporting, lysosomal V0 subunit a isoform 4

[NPU30704](#)

DNA(spec.)—ATP6V0A4 gene; seq.var. = ?

DNA(specification)—**ATP6V0B gene;****sequence variation**

name of component: ATPase, H⁺ transporting, lysosomal 21 kDa, V0 subunit c"

[NPU30699](#)

DNA(spec.)—ATP6V0B gene; seq.var. = ?

DNA(specification)—**ATP6V0C gene;****sequence variation**

name of component: ATPase, H⁺ transporting, lysosomal 16 kDa, V0 subunit c

[NPU30693](#)

DNA(spec.)—ATP6V0C gene; seq.var. = ?

DNA(specification)—**ATP6V0D1 gene;****sequence variation**

name of component: ATPase, H⁺ transporting, lysosomal 38 kDa, V0 subunit d isoform 1

[NPU42290](#)

DNA(spec.)—ATP6V0D1 gene; seq.var. = ?

DNA(specification)—**ATP6V0D2 gene;****sequence variation**

name of component: ATPase, H⁺ transporting, lysosomal 38 kDa, V0 subunit d isoform 2

[NPU46370](#)

DNA(spec.)—ATP6V0D2 gene; seq.var. = ?

DNA(specification)—**ATP6V0E gene;****sequence variation**

name of component: ATPase, H⁺ transporting, lysosomal 9 kDa, V0 subunit e

[NPU30701](#)

DNA(spec.)—ATP6V0E gene; seq.var. = ?

DNA(specification)—**ATP6V1A gene;****sequence variation**

name of component: ATPase, H⁺ transporting, lysosomal 70 kDa, V1 subunit A

[NPU30690](#)

DNA(spec.)—ATP6V1A gene; seq.var. = ?

DNA(specification)—**ATP6V1B1 gene;****sequence variation**

name of component: ATPase, H⁺ transporting, lysosomal 56/58 kDa, V1 subunit B, isoform 1 (Renal tubular acidosis with deafness)

[NPU30691](#)

DNA(spec.)—ATP6V1B1 gene; seq.var. = ?

DNA(specification)—**ATP6V1B2 gene;****sequence variation**

name of component: ATPase, H⁺ transporting, lysosomal 56/58 kDa, V1 subunit B, isoform 2

[NPU30692](#)

DNA(spec.)—ATP6V1B2 gene; seq.var. = ?

DNA(specification)—**ATP6V1C1 gene;****sequence variation**

name of component: ATPase, H⁺ transporting, lysosomal 42 kDa, V1 subunit C, isoform 1

[NPU30694](#)

DNA(spec.)—ATP6V1C1 gene; seq.var. = ?

DNA(specification)—**ATP6V1C2 gene;****sequence variation**

name of component: ATPase, H⁺ transporting, lysosomal 42 kDa, V1 subunit C isoform 2

[NPU46368](#)

DNA(spec.)—ATP6V1C2 gene; seq.var. = ?

DNA(specification)—**ATP6V1D gene;****sequence variation**

name of component: ATPase, H⁺ transporting, lysosomal 34 kDa, V1 subunit D

[NPU42171](#)

DNA(spec.)—ATP6V1D gene; seq.var. = ?

DNA(specification)—**ATP6V1E1 gene;****sequence variation**

name of component: ATPase, H⁺ transporting, lysosomal 31 kDa, V1 subunit E isoform 1

[NPU30695](#)

DNA(spec.)—ATP6V1E1 gene; seq.var. = ?

DNA(specification)—**ATP6V1E2 gene;****sequence variation**

name of component: ATPase, H⁺ transporting, lysosomal 31 kDa, V1 subunit E isoform 2

[NPU46312](#)

DNA(spec.)—ATP6V1E2 gene; seq.var. = ?

DNA(specification)—**ATP6V1EL1 gene;****sequence variation**

name of component: ATPase, H⁺ transporting, lysosomal 31 kDa, V1 subunit E-like 1

[NPU30696](#)

DNA(spec.)—ATP6V1EL1 gene; seq.var. = ?

DNA(specification)—**ATP6V1EP1 gene;****sequence variation**

name of component: ATPase, H⁺ transporting, lysosomal 31 kDa, V1 subunit E pseudogene 1

[NPU30697](#)

DNA(spec.)—ATP6V1EP1 gene; seq.var. = ?

DNA(specification)—**ATP6V1EP2 gene;****sequence variation**

name of component: ATPase, H⁺ transporting, lysosomal 31 kDa, V1 subunit E pseudogene 2

[NPU30698](#)

DNA(spec.)—ATP6V1EP2 gene; seq.var. = ?

DNA(specification)—**ATP6V1F gene;****sequence variation**

name of component: ATPase, H⁺ transporting, lysosomal 14 kDa, V1 subunit F

[NPU44728](#)

DNA(spec.)—ATP6V1F gene; seq.var. = ?

DNA(specification)—**ATP6V1G1 gene;****sequence variation**

name of component: ATPase, H⁺ transporting, lysosomal 13 kDa, V1 subunit G isoform 1

[NPU30702](#)

DNA(spec.)—ATP6V1G1 gene; seq.var. = ?

DNA(specification)—**ATP6V1G2 gene;****sequence variation**

name of component: ATPase, H⁺ transporting, lysosomal 13 kDa, V1 subunit G isoform 2

[NPU30700](#)

DNA(spec.)—ATP6V1G2 gene; seq.var. = ?

DNA(specification)—**ATP6V1G3 gene;****sequence variation**

name of component: ATPase, H⁺ transporting, lysosomal 13 kDa, V1 subunit G isoform 3

[NPU46369](#)

DNA(spec.)—ATP6V1G3 gene; seq.var. = ?

DNA(specification)—**ATP6V1GP1 gene;****sequence variation**

name of component: ATPase, H⁺ transporting, lysosomal 13 kDa, V1 subunit G pseudogene 1

[NPU47239](#)

DNA(spec.)—ATP6V1GP1 gene; seq.var. = ?

DNA(specification)—**ATP6V1H gene;****sequence variation**

name of component: ATPase, H⁺ transporting, lysosomal 50/57 kDa, V1 subunit H

[NPU46389](#)

DNA(spec.)—ATP6V1H gene; seq.var. = ?

DNA(specification)—**ATP7A gene;****sequence variation**

name of component: ATPase, Cu⁺⁺ transporting, alpha polypeptide (Menkes syndrome)

[NPU19020](#)

DNA(spec.)—ATP7A gene; seq.var. = ?

DNA(specification)—**ATP7B gene;****sequence variation**

name of component: ATPase, Cu⁺⁺ transporting, beta polypeptide (Wilson disease)

[NPU19021](#)

DNA(spec.)—ATP7B gene; seq.var. = ?

DNA(specification)—**ATP8A1 gene;****sequence variation**

name of component: ATPase, aminophospholipid transporter (APLT), Class I, type 8A, member 1

[NPU42175](#)

DNA(spec.)—ATP8A1 gene; seq.var. = ?

DNA(specification)—**ATP8A2 gene;****sequence variation**

name of component: ATPase, aminophospholipid transporter-like, Class I, type 8A, member 2

[NPU42177](#)

DNA(spec.)—ATP8A2 gene; seq.var. = ?

DNA(specification)—**ATP8B1 gene;****sequence variation**

name of component: ATPase, Class I, type 8B, member 1

[NPU32951](#)

DNA(spec.)—ATP8B1 gene; seq.var. = ?

DNA(specification)—**ATP8B2 gene;****sequence variation**

name of component: ATPase, Class I, type 8B, member 2

[NPU42178](#)

DNA(spec.)—ATP8B2 gene; seq.var. = ?

DNA(specification)—**ATP8B3 gene;****sequence variation**

name of component: ATPase, Class I, type 8B, member 3

[NPU42179](#)

DNA(spec.)—ATP8B3 gene; seq.var. = ?

DNA(specification)—**ATP9A gene;****sequence variation**

name of component: ATPase, Class II, type 9A

[NPU42182](#)

DNA(spec.)—ATP9A gene; seq.var. = ?

DNA(specification)—**ATP9B gene;****sequence variation**

name of component: ATPase, Class II, type 9B

[NPU42183](#)

DNA(spec.)—ATP9B gene; seq.var. = ?

DNA(specification)—**ATPAF1 gene;****sequence variation**

name of component: ATP synthase mitochondrial F1 complex assembly factor 1

[NPU46672](#)

DNA(spec.)—ATPAF1 gene; seq.var. = ?

DNA(specification)—**ATPAF2 gene;****sequence variation**

name of component: ATP synthase mitochondrial F1 complex assembly factor 2

[NPU46671](#)

DNA(spec.)—ATPAF2 gene; seq.var. = ?

DNA(specification)—**ATPIF1 gene;****sequence variation**

name of component: ATPase inhibitory factor 1

[NPU30706](#)

DNA(spec.)—ATPIF1 gene; seq.var. = ?

DNA(specification)—
ATQL1 gene;
sequence variation
name of component: antiquitin-like 1
[NPU30708](#)
DNA(spec.)—ATQL1 gene; seq.var. = ?

DNA(specification)—
ATQL2 gene;
sequence variation
name of component: antiquitin-like 2
[NPU30709](#)
DNA(spec.)—ATQL2 gene; seq.var. = ?

DNA(specification)—
ATQL3 gene;
sequence variation
name of component: antiquitin-like 3
[NPU30710](#)
DNA(spec.)—ATQL3 gene; seq.var. = ?

DNA(specification)—
ATQL4 gene;
sequence variation
name of component: antiquitin-like 4
[NPU30711](#)
DNA(spec.)—ATQL4 gene; seq.var. = ?

DNA(specification)—
ATR gene;
sequence variation
name of component: ataxia telangiectasia and Rad3 related
[NPU30712](#)
DNA(spec.)—ATR gene; seq.var. = ?

DNA(specification)—
ATRN gene;
sequence variation
name of component: attractin
[NPU30713](#)
DNA(spec.)—ATRN gene; seq.var. = ?

DNA(specification)—
ATRX gene;
sequence variation
name of component: alpha thalassemia/mental retardation syndrome X-linked (RAD54 homolog, *S. cerevisiae*)
[NPU30714](#)
DNA(spec.)—ATRX gene; seq.var. = ?

DNA(specification)—
ATSV gene;
sequence variation
name of component: axonal transport of synaptic vesicles
[NPU30715](#)
DNA(spec.)—ATSV gene; seq.var. = ?

DNA(specification)—
AUH gene;
sequence variation
name of component: AU RNA binding protein/enoyl-Coenzyme A hydratase
[NPU30716](#)
DNA(spec.)—AUH gene; seq.var. = ?

DNA(specification)—
AUP1 gene;
sequence variation
name of component: ancient ubiquitous protein 1
[NPU30717](#)
DNA(spec.)—AUP1 gene; seq.var. = ?

DNA(specification)—
AUTL1 gene;
sequence variation
name of component: AUT-like 1, cysteine endopeptidase (*S. cerevisiae*)
[NPU44102](#)
DNA(spec.)—AUTL1 gene; seq.var. = ?

DNA(specification)—
AUTL2 gene;
sequence variation
name of component: AUT-like 2, cysteine endopeptidase (*S. cerevisiae*)
[NPU44479](#)
DNA(spec.)—AUTL2 gene; seq.var. = ?

DNA(specification)—
AUTL4 gene;
sequence variation
name of component: AUT-like 4, cysteine endopeptidase (*S. cerevisiae*)
[NPU47754](#)
DNA(spec.)—AUTL4 gene; seq.var. = ?

DNA(specification)—
AUTS1 gene;
sequence variation
name of component: autism susceptibility 1
[NPU30718](#)
DNA(spec.)—AUTS1 gene; seq.var. = ?

DNA(specification)—
AUTS2 gene;
sequence variation
name of component: autism susceptibility candidate 2
[NPU42629](#)
DNA(spec.)—AUTS2 gene; seq.var. = ?

DNA(specification)—**AVEN gene;****sequence variation**

name of component: apoptosis, caspase activation inhibitor

[NPU42161](#)

DNA(spec.)—AVEN gene; seq.var. = ?

DNA(specification)—**AVIL gene;****sequence variation**

name of component: advillin

[NPU42578](#)

DNA(spec.)—AVIL gene; seq.var. = ?

DNA(specification)—**AVP gene;****sequence variation**

name of component: arginine vasopressin (neurophysin II, antidiuretic hormone, diabetes insipidus, neurohypophyseal)

[NPU30719](#)

DNA(spec.)—AVP gene; seq.var. = ?

DNA(specification)—**AVPR1A gene;****sequence variation**

name of component: arginine vasopressin receptor 1A

[NPU30720](#)

DNA(spec.)—AVPR1A gene; seq.var. = ?

DNA(specification)—**AVPR1B gene;****sequence variation**

name of component: arginine vasopressin receptor 1B

[NPU30721](#)

DNA(spec.)—AVPR1B gene; seq.var. = ?

DNA(specification)—**AVPR2 gene;****sequence variation**

name of component: arginine vasopressin receptor 2 (nephrogenic diabetes insipidus)

[NPU19022](#)

DNA(spec.)—AVPR2 gene; seq.var. = ?

DNA(specification)—**AVR gene;****sequence variation**

name of component: antiviral state regulator

[NPU30722](#)

DNA(spec.)—AVR gene; seq.var. = ?

DNA(specification)—**AVRR gene;****sequence variation**

name of component: antiviral state repressor regulator

[NPU30723](#)

DNA(spec.)—AVRR gene; seq.var. = ?

DNA(specification)—**AVSD1 gene;****sequence variation**

name of component: atrioventricular septal defect 1

[NPU41603](#)

DNA(spec.)—AVSD1 gene; seq.var. = ?

DNA(specification)—**AVSD2 gene;****sequence variation**

name of component: atrioventricular septal defect 2

[NPU44637](#)

DNA(spec.)—AVSD2 gene; seq.var. = ?

DNA(specification)—**AXIN1 gene;****sequence variation**

name of component: axin 1

[NPU30724](#)

DNA(spec.)—AXIN1 gene; seq.var. = ?

DNA(specification)—**AXIN2 gene;****sequence variation**

name of component: axin 2 (conductin, axil)

[NPU30725](#)

DNA(spec.)—AXIN2 gene; seq.var. = ?

DNA(specification)—**AXL gene;****sequence variation**

name of component: AXL receptor tyrosine kinase

[NPU30726](#)

DNA(spec.)—AXL gene; seq.var. = ?

DNA(specification)—**AXOT gene;****sequence variation**

name of component: axotrophin

[NPU46019](#)

DNA(spec.)—AXOT gene; seq.var. = ?

DNA(specification)—**AXPC1 gene;****sequence variation**

name of component: ataxia, posterior column 1, with retinitis pigmentosa

[NPU30727](#)

DNA(spec.)—AXPC1 gene; seq.var. = ?

DNA(specification)—
AXUD1 gene;
sequence variation
 name of component: AXIN1 up-regulated 1
[NPU42659](#)
 DNA(spec.)—AXUD1 gene; seq.var. = ?

DNA(specification)—
AZF1 gene;
sequence variation
 name of component: azoospermia factor 1
[NPU30728](#)
 DNA(spec.)—AZF1 gene; seq.var. = ?

DNA(specification)—
AZF2 gene;
sequence variation
 name of component: azoospermia factor 2
[NPU30729](#)
 DNA(spec.)—AZF2 gene; seq.var. = ?

DNA(specification)—
AZGP1 gene;
sequence variation
 name of component: alpha-2-glycoprotein 1, zinc
[NPU30730](#)
 DNA(spec.)—AZGP1 gene; seq.var. = ?

DNA(specification)—
AZGP1P1 gene;
sequence variation
 name of component: alpha-2-glycoprotein 1, zinc
 pseudogene 1
[NPU30731](#)
 DNA(spec.)—AZGP1P1 gene; seq.var. = ?

DNA(specification)—
AZGP1P2 gene;
sequence variation
 name of component: alpha-2-glycoprotein 1, zinc
 pseudogene 2
[NPU30732](#)
 DNA(spec.)—AZGP1P2 gene; seq.var. = ?

DNA(specification)—
AZU1 gene;
sequence variation
 name of component: azurocidin 1 (cationic antimicrobial protein 37)
[NPU30733](#)
 DNA(spec.)—AZU1 gene; seq.var. = ?

DNA(specification)—
B2M gene;
sequence variation
 name of component: beta-2-microglobulin
[NPU30734](#)
 DNA(spec.)—B2M gene; seq.var. = ?

DNA(specification)—
B2MR gene;
sequence variation
 name of component: beta-2-microglobulin regulator
[NPU30735](#)
 DNA(spec.)—B2MR gene; seq.var. = ?

DNA(specification)—
B3GALT1 gene;
sequence variation
 name of component: UDP-Gal:betaGlcNAc beta
 1,3-galactosyltransferase, polypeptide 1
[NPU30736](#)
 DNA(spec.)—B3GALT1 gene; seq.var. = ?

DNA(specification)—
B3GALT2 gene;
sequence variation
 name of component: UDP-Gal:betaGlcNAc beta
 1,3-galactosyltransferase, polypeptide 2
[NPU30737](#)
 DNA(spec.)—B3GALT2 gene; seq.var. = ?

DNA(specification)—
B3GALT3 gene;
sequence variation
 name of component: UDP-Gal:betaGlcNAc beta
 1,3-galactosyltransferase, polypeptide 3
[NPU30738](#)
 DNA(spec.)—B3GALT3 gene; seq.var. = ?

DNA(specification)—
B3GALT4 gene;
sequence variation
 name of component: UDP-Gal:betaGlcNAc beta
 1,3-galactosyltransferase, polypeptide 4
[NPU30739](#)
 DNA(spec.)—B3GALT4 gene; seq.var. = ?

DNA(specification)—
B3GALT5 gene;
sequence variation
 name of component: UDP-Gal:betaGlcNAc beta
 1,3-galactosyltransferase, polypeptide 5
[NPU30740](#)
 DNA(spec.)—B3GALT5 gene; seq.var. = ?

DNA(specification)—
B3GALT6 gene;
sequence variation
 name of component: UDP-Gal:betaGal beta 1,3-
 galactosyltransferase polypeptide 6
[NPU46204](#)
 DNA(spec.)—B3GALT6 gene; seq.var. = ?

DNA(specification)—
B3GAT1 gene;
sequence variation
name of component: beta-1,3-
glucuronyltransferase 1 (glucuronosyltransferase
P)
[NPU30741](#)
DNA(spec.)—B3GAT1 gene; seq.var. = ?

DNA(specification)—
B3GAT2 gene;
sequence variation
name of component: beta-1,3-
glucuronyltransferase 2 (glucuronosyltransferase
S)
[NPU30742](#)
DNA(spec.)—B3GAT2 gene; seq.var. = ?

DNA(specification)—
B3GAT3 gene;
sequence variation
name of component: beta-1,3-
glucuronyltransferase 3 (glucuronosyltransferase I)
[NPU30743](#)
DNA(spec.)—B3GAT3 gene; seq.var. = ?

DNA(specification)—
B3GNT1 gene;
sequence variation
name of component: UDP-GlcNAc:betaGal beta-
1,3-N-acetylglucosaminyltransferase 1
[NPU43795](#)
DNA(spec.)—B3GNT1 gene; seq.var. = ?

DNA(specification)—
B3GNT3 gene;
sequence variation
name of component: UDP-GlcNAc:betaGal beta-
1,3-N-acetylglucosaminyltransferase 3
[NPU42172](#)
DNA(spec.)—B3GNT3 gene; seq.var. = ?

DNA(specification)—
B3GNT4 gene;
sequence variation
name of component: UDP-GlcNAc:betaGal beta-
1,3-N-acetylglucosaminyltransferase 4
[NPU43822](#)
DNA(spec.)—B3GNT4 gene; seq.var. = ?

DNA(specification)—
B3GNT5 gene;
sequence variation
name of component: UDP-GlcNAc:betaGal beta-
1,3-N-acetylglucosaminyltransferase 5
[NPU43823](#)
DNA(spec.)—B3GNT5 gene; seq.var. = ?

DNA(specification)—
B3GNT6 gene;
sequence variation
name of component: UDP-GlcNAc:betaGal beta-
1,3-N-acetylglucosaminyltransferase 6
[NPU43824](#)
DNA(spec.)—B3GNT6 gene; seq.var. = ?

DNA(specification)—
B3GNT7 gene;
sequence variation
name of component: UDP-GlcNAc:betaGal beta-
1,3-N-acetylglucosaminyltransferase 7
[NPU46678](#)
DNA(spec.)—B3GNT7 gene; seq.var. = ?

DNA(specification)—
B4GALT1 gene;
sequence variation
name of component: UDP-Gal:betaGlcNAc beta
1,4- galactosyltransferase, polypeptide 1
[NPU30744](#)
DNA(spec.)—B4GALT1 gene; seq.var. = ?

DNA(specification)—
B4GALT2 gene;
sequence variation
name of component: UDP-Gal:betaGlcNAc beta
1,4- galactosyltransferase, polypeptide 2
[NPU30745](#)
DNA(spec.)—B4GALT2 gene; seq.var. = ?

DNA(specification)—
B4GALT3 gene;
sequence variation
name of component: UDP-Gal:betaGlcNAc beta
1,4- galactosyltransferase, polypeptide 3
[NPU30746](#)
DNA(spec.)—B4GALT3 gene; seq.var. = ?

DNA(specification)—
B4GALT4 gene;
sequence variation
name of component: UDP-Gal:betaGlcNAc beta
1,4- galactosyltransferase, polypeptide 4
[NPU30747](#)
DNA(spec.)—B4GALT4 gene; seq.var. = ?

DNA(specification)—
B4GALT5 gene;
sequence variation
name of component: UDP-Gal:betaGlcNAc beta
1,4- galactosyltransferase, polypeptide 5
[NPU30748](#)
DNA(spec.)—B4GALT5 gene; seq.var. = ?

DNA(specification)—
B4GALT6 gene;
sequence variation
 name of component: UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 6
[NPU30749](#)
 DNA(spec.)—B4GALT6 gene; seq.var. = ?

DNA(specification)—
B4GALT7 gene;
sequence variation
 name of component: xylosylprotein beta 1,4- galactosyltransferase, polypeptide 7 (galactosyltransferase I)
[NPU30750](#)
 DNA(spec.)—B4GALT7 gene; seq.var. = ?

DNA(specification)—
BACE gene;
sequence variation
 name of component: beta-site APP-cleaving enzyme
[NPU30752](#)
 DNA(spec.)—BACE gene; seq.var. = ?

DNA(specification)—
BACE2 gene;
sequence variation
 name of component: beta-site APP-cleaving enzyme 2
[NPU30753](#)
 DNA(spec.)—BACE2 gene; seq.var. = ?

DNA(specification)—
BACH1 gene;
sequence variation
 name of component: BTB and CNC homology 1, basic leucine zipper transcription factor 1
[NPU30754](#)
 DNA(spec.)—BACH1 gene; seq.var. = ?

DNA(specification)—
BACH2 gene;
sequence variation
 name of component: BTB and CNC homology 1, basic leucine zipper transcription factor 2
[NPU42497](#)
 DNA(spec.)—BACH2 gene; seq.var. = ?

DNA(specification)—
BAD gene;
sequence variation
 name of component: BCL2-antagonist of cell death
[NPU30755](#)
 DNA(spec.)—BAD gene; seq.var. = ?

DNA(specification)—
BAG1 gene;
sequence variation
 name of component: BCL2-associated athanogene
[NPU30756](#)
 DNA(spec.)—BAG1 gene; seq.var. = ?

DNA(specification)—
BAG2 gene;
sequence variation
 name of component: BCL2-associated athanogene 2
[NPU30757](#)
 DNA(spec.)—BAG2 gene; seq.var. = ?

DNA(specification)—
BAG3 gene;
sequence variation
 name of component: BCL2-associated athanogene 3
[NPU30758](#)
 DNA(spec.)—BAG3 gene; seq.var. = ?

DNA(specification)—
BAG4 gene;
sequence variation
 name of component: BCL2-associated athanogene 4
[NPU30759](#)
 DNA(spec.)—BAG4 gene; seq.var. = ?

DNA(specification)—
BAG5 gene;
sequence variation
 name of component: BCL2-associated athanogene 5
[NPU30760](#)
 DNA(spec.)—BAG5 gene; seq.var. = ?

DNA(specification)—
BAGE gene;
sequence variation
 name of component: B melanoma antigen
[NPU30761](#)
 DNA(spec.)—BAGE gene; seq.var. = ?

DNA(specification)—
BAGE2 gene;
sequence variation
 name of component: B melanoma antigen family, member 2
[NPU43854](#)
 DNA(spec.)—BAGE2 gene; seq.var. = ?

DNA(specification)—**BAGE3 gene;****sequence variation**

name of component: B melanoma antigen family, member 3

[NPU43855](#)

DNA(spec.)—BAGE3 gene; seq.var. = ?

DNA(specification)—**BAGE4 gene;****sequence variation**

name of component: B melanoma antigen family, member 4

[NPU43856](#)

DNA(spec.)—BAGE4 gene; seq.var. = ?

DNA(specification)—**BAGE5 gene;****sequence variation**

name of component: B melanoma antigen family, member 5

[NPU43857](#)

DNA(spec.)—BAGE5 gene; seq.var. = ?

DNA(specification)—**BAI1 gene;****sequence variation**

name of component: brain-specific angiogenesis inhibitor 1

[NPU30762](#)

DNA(spec.)—BAI1 gene; seq.var. = ?

DNA(specification)—**BAI2 gene;****sequence variation**

name of component: brain-specific angiogenesis inhibitor 2

[NPU30763](#)

DNA(spec.)—BAI2 gene; seq.var. = ?

DNA(specification)—**BAI3 gene;****sequence variation**

name of component: brain-specific angiogenesis inhibitor 3

[NPU30764](#)

DNA(spec.)—BAI3 gene; seq.var. = ?

DNA(specification)—**BAIAP1 gene;****sequence variation**

name of component: BAI1-associated protein 1

[NPU30765](#)

DNA(spec.)—BAIAP1 gene; seq.var. = ?

DNA(specification)—**BAIAP2 gene;****sequence variation**

name of component: BAI1-associated protein 2

[NPU30766](#)

DNA(spec.)—BAIAP2 gene; seq.var. = ?

DNA(specification)—**BAIAP3 gene;****sequence variation**

name of component: BAI1-associated protein 3

[NPU30767](#)

DNA(spec.)—BAIAP3 gene; seq.var. = ?

DNA(specification)—**BAK1 gene;****sequence variation**

name of component: BCL2-antagonist/killer 1

[NPU30768](#)

DNA(spec.)—BAK1 gene; seq.var. = ?

DNA(specification)—**BANF1 gene;****sequence variation**

name of component: barrier to autointegration factor 1

[NPU46020](#)

DNA(spec.)—BANF1 gene; seq.var. = ?

DNA(specification)—**BANF1P1 gene;****sequence variation**

name of component: barrier to autointegration factor 1 pseudogene 1

[NPU47516](#)

DNA(spec.)—BANF1P1 gene; seq.var. = ?

DNA(specification)—**BAP1 gene;****sequence variation**

name of component: BRCA1 associated protein-1 (ubiquitin carboxy-terminal hydrolase)

[NPU30769](#)

DNA(spec.)—BAP1 gene; seq.var. = ?

DNA(specification)—**BAPX1 gene;****sequence variation**

name of component: bagpipe homeobox homolog 1 (Drosophila)

[NPU30770](#)

DNA(spec.)—BAPX1 gene; seq.var. = ?

DNA(specification)—**BARD1 gene;****sequence variation**

name of component: BRCA1 associated RING domain 1

[NPU30771](#)

DNA(spec.)—BARD1 gene; seq.var. = ?

DNA(specification)—
BARHL1 gene;
sequence variation
 name of component: BarH-like 1 (Drosophila)
[NPU30772](#)
 DNA(spec.)—BARHL1 gene; seq.var. = ?

DNA(specification)—
BARHL2 gene;
sequence variation
 name of component: BarH-like 2 (Drosophila)
[NPU30773](#)
 DNA(spec.)—BARHL2 gene; seq.var. = ?

DNA(specification)—
BARX1 gene;
sequence variation
 name of component: BarH-like homeobox 1
[NPU30774](#)
 DNA(spec.)—BARX1 gene; seq.var. = ?

DNA(specification)—
BARX2 gene;
sequence variation
 name of component: BarH-like homeobox 2
[NPU30775](#)
 DNA(spec.)—BARX2 gene; seq.var. = ?

DNA(specification)—
BASP1 gene;
sequence variation
 name of component: brain abundant, membrane attached signal protein 1
[NPU30776](#)
 DNA(spec.)—BASP1 gene; seq.var. = ?

DNA(specification)—
BAT1 gene;
sequence variation
 name of component: HLA-B associated transcript 1
[NPU42388](#)
 DNA(spec.)—BAT1 gene; seq.var. = ?

DNA(specification)—
BAT2 gene;
sequence variation
 name of component: HLA-B associated transcript 2
[NPU42389](#)
 DNA(spec.)—BAT2 gene; seq.var. = ?

DNA(specification)—
BAT3 gene;
sequence variation
 name of component: HLA-B associated transcript 3
[NPU42390](#)
 DNA(spec.)—BAT3 gene; seq.var. = ?

DNA(specification)—
BAT4 gene;
sequence variation
 name of component: HLA-B associated transcript 4
[NPU42391](#)
 DNA(spec.)—BAT4 gene; seq.var. = ?

DNA(specification)—
BAT5 gene;
sequence variation
 name of component: HLA-B associated transcript 5
[NPU42392](#)
 DNA(spec.)—BAT5 gene; seq.var. = ?

DNA(specification)—
BAT8 gene;
sequence variation
 name of component: HLA-B associated transcript 8
[NPU42526](#)
 DNA(spec.)—BAT8 gene; seq.var. = ?

DNA(specification)—
BATF gene;
sequence variation
 name of component: basic leucine zipper transcription factor, ATF-like
[NPU30777](#)
 DNA(spec.)—BATF gene; seq.var. = ?

DNA(specification)—
BAX gene;
sequence variation
 name of component: BCL2-associated X protein
[NPU30778](#)
 DNA(spec.)—BAX gene; seq.var. = ?

DNA(specification)—
BAZ1A gene;
sequence variation
 name of component: bromodomain adjacent to zinc finger domain, 1A
[NPU30779](#)
 DNA(spec.)—BAZ1A gene; seq.var. = ?

DNA(specification)—
BAZ1B gene;
sequence variation
 name of component: bromodomain adjacent to zinc finger domain, 1B
[NPU30780](#)
 DNA(spec.)—BAZ1B gene; seq.var. = ?

DNA(specification)—
BAZ2A gene;
sequence variation
 name of component: bromodomain adjacent to zinc finger domain, 2A
[NPU30781](#)
 DNA(spec.)—BAZ2A gene; seq.var. = ?

DNA(specification)—**BAZ2B gene;****sequence variation**

name of component: bromodomain adjacent to zinc finger domain, 2B

[NPU30782](#)

DNA(spec.)—BAZ2B gene; seq.var. = ?

DNA(specification)—**BBC3 gene;****sequence variation**

name of component: BCL2 binding component 3

[NPU46154](#)

DNA(spec.)—BBC3 gene; seq.var. = ?

DNA(specification)—**BBOX1 gene;****sequence variation**

name of component: butyrobetaine (gamma), 2-oxoglutarate dioxygenase (gamma-butyrobetaine hydroxylase) 1

[NPU30783](#)

DNA(spec.)—BBOX1 gene; seq.var. = ?

DNA(specification)—**BBS1 gene;****sequence variation**

name of component: Bardet-Biedl syndrome 1

[NPU30784](#)

DNA(spec.)—BBS1 gene; seq.var. = ?

DNA(specification)—**BBS2 gene;****sequence variation**

name of component: Bardet-Biedl syndrome 2

[NPU30785](#)

DNA(spec.)—BBS2 gene; seq.var. = ?

DNA(specification)—**BBS3 gene;****sequence variation**

name of component: Bardet-Biedl syndrome 3

[NPU30786](#)

DNA(spec.)—BBS3 gene; seq.var. = ?

DNA(specification)—**BBS4 gene;****sequence variation**

name of component: Bardet-Biedl syndrome 4

[NPU30787](#)

DNA(spec.)—BBS4 gene; seq.var. = ?

DNA(specification)—**BBS5 gene;****sequence variation**

name of component: Bardet-Biedl syndrome 5

[NPU30788](#)

DNA(spec.)—BBS5 gene; seq.var. = ?

DNA(specification)—**BBS7 gene;****sequence variation**

name of component: Bardet-Biedl syndrome 7

[NPU46661](#)

DNA(spec.)—BBS7 gene; seq.var. = ?

DNA(specification)—**BBX gene;****sequence variation**

name of component: bobby sox homolog (Drosophila)

[NPU42741](#)

DNA(spec.)—BBX gene; seq.var. = ?

DNA(specification)—**BCAR1 gene;****sequence variation**

name of component: breast cancer anti-estrogen resistance 1

[NPU30789](#)

DNA(spec.)—BCAR1 gene; seq.var. = ?

DNA(specification)—**BCAR2 gene;****sequence variation**

name of component: breast cancer anti-estrogen resistance 2

[NPU30790](#)

DNA(spec.)—BCAR2 gene; seq.var. = ?

DNA(specification)—**BCAR3 gene;****sequence variation**

name of component: breast cancer anti-estrogen resistance 3

[NPU30791](#)

DNA(spec.)—BCAR3 gene; seq.var. = ?

DNA(specification)—**BCAS1 gene;****sequence variation**

name of component: breast carcinoma amplified sequence 1

[NPU30792](#)

DNA(spec.)—BCAS1 gene; seq.var. = ?

DNA(specification)—**BCAS2 gene;****sequence variation**

name of component: breast carcinoma amplified sequence 2

[NPU30793](#)

DNA(spec.)—BCAS2 gene; seq.var. = ?

DNA(specification)—**BCAS3 gene;****sequence variation**

name of component: breast carcinoma amplified sequence 3

[NPU42689](#)

DNA(spec.)—BCAS3 gene; seq.var. = ?

DNA(specification)—**BCAS4 gene;****sequence variation**

name of component: breast carcinoma amplified sequence 4

[NPU42701](#)

DNA(spec.)—BCAS4 gene; seq.var. = ?

DNA(specification)—**BCAT1 gene;****sequence variation**

name of component: branched chain aminotransferase 1, cytosolic

[NPU30794](#)

DNA(spec.)—BCAT1 gene; seq.var. = ?

DNA(specification)—**BCAT2 gene;****sequence variation**

name of component: branched chain aminotransferase 2, mitochondrial

[NPU30795](#)

DNA(spec.)—BCAT2 gene; seq.var. = ?

DNA(specification)—**BCCIP gene;****sequence variation**

name of component: BRCA2 and CDKN1A interacting protein

[NPU30796](#)

DNA(spec.)—BCCIP gene; seq.var. = ?

DNA(specification)—**BCDO1 gene;****sequence variation**

name of component: beta-carotene 15, 15'-dioxygenase

[NPU42337](#)

DNA(spec.)—BCDO1 gene; seq.var. = ?

DNA(specification)—**BCDO2 gene;****sequence variation**

name of component: beta-carotene dioxygenase 2

[NPU46508](#)

DNA(spec.)—BCDO2 gene; seq.var. = ?

DNA(specification)—**BCGF1 gene;****sequence variation**

name of component: B-cell growth factor 1, 12 kDa

[NPU30797](#)

DNA(spec.)—BCGF1 gene; seq.var. = ?

DNA(specification)—**BCH gene;****sequence variation**

name of component: benign chorea

[NPU30798](#)

DNA(spec.)—BCH gene; seq.var. = ?

DNA(specification)—**BCHE gene;****sequence variation**

name of component: butyrylcholinesterase

[NPU30799](#)

DNA(spec.)—BCHE gene; seq.var. = ?

DNA(specification)—**BCHEL1 gene;****sequence variation**

name of component: butyrylcholinesterase-like 1

[NPU30800](#)

DNA(spec.)—BCHEL1 gene; seq.var. = ?

DNA(specification)—**BCHEL3 gene;****sequence variation**

name of component: butyrylcholinesterase-like 3

[NPU30801](#)

DNA(spec.)—BCHEL3 gene; seq.var. = ?

DNA(specification)—**BCKDHA gene;****sequence variation**

name of component: branched chain keto acid dehydrogenase E1, alpha polypeptide (maple syrup urine disease)

[NPU19023](#)

DNA(spec.)—BCKDHA gene; seq.var. = ?

DNA(specification)—**BCKDHB gene;****sequence variation**

name of component: branched chain keto acid dehydrogenase E1, beta polypeptide (maple syrup urine disease)

[NPU19024](#)

DNA(spec.)—BCKDHB gene; seq.var. = ?

DNA(specification)—**BCL10 gene;****sequence variation**

name of component: B-cell CLL/lymphoma 10

[NPU30802](#)

DNA(spec.)—BCL10 gene; seq.var. = ?

DNA(specification)—**BCL11A gene;****sequence variation**

name of component: B-cell CLL/lymphoma 11A
(zinc finger protein)

[NPU42048](#)

DNA(spec.)—BCL11A gene; seq.var. = ?

DNA(specification)—**BCL11B gene;****sequence variation**

name of component: B-cell CLL/lymphoma 11B
(zinc finger protein)

[NPU42049](#)

DNA(spec.)—BCL11B gene; seq.var. = ?

DNA(specification)—**BCL2 gene;****sequence variation**

name of component: B-cell CLL/lymphoma 2

[NPU19025](#)

DNA(spec.)—BCL2 gene; seq.var. = ?

DNA(specification)—**BCL2A1 gene;****sequence variation**

name of component: BCL2-related protein A1

[NPU30803](#)

DNA(spec.)—BCL2A1 gene; seq.var. = ?

DNA(specification)—**BCL2L1 gene;****sequence variation**

name of component: BCL2-like 1

[NPU30804](#)

DNA(spec.)—BCL2L1 gene; seq.var. = ?

DNA(specification)—**BCL2L10 gene;****sequence variation**

name of component: BCL2-like 10 (apoptosis fa-
cilitator)

[NPU30805](#)

DNA(spec.)—BCL2L10 gene; seq.var. = ?

DNA(specification)—**BCL2L11 gene;****sequence variation**

name of component: BCL2-like 11 (apoptosis fa-
cilitator)

[NPU30806](#)

DNA(spec.)—BCL2L11 gene; seq.var. = ?

DNA(specification)—**BCL2L12 gene;****sequence variation**

name of component: BCL2-like 12 (proline rich)

[NPU42322](#)

DNA(spec.)—BCL2L12 gene; seq.var. = ?

DNA(specification)—**BCL2L13 gene;****sequence variation**

name of component: BCL2-like 13 (apoptosis fa-
cilitator)

[NPU44889](#)

DNA(spec.)—BCL2L13 gene; seq.var. = ?

DNA(specification)—**BCL2L2 gene;****sequence variation**

name of component: BCL2-like 2

[NPU30807](#)

DNA(spec.)—BCL2L2 gene; seq.var. = ?

DNA(specification)—**BCL2L7P1 gene;****sequence variation**

name of component: BCL2-like 7 pseudogene 1

[NPU30808](#)

DNA(spec.)—BCL2L7P1 gene; seq.var. = ?

DNA(specification)—**BCL2L7P2 gene;****sequence variation**

name of component: BCL2-like 7 pseudogene 2

[NPU30809](#)

DNA(spec.)—BCL2L7P2 gene; seq.var. = ?

DNA(specification)—**BCL3 gene;****sequence variation**

name of component: B-cell CLL/lymphoma 3

[NPU30810](#)

DNA(spec.)—BCL3 gene; seq.var. = ?

DNA(specification)—**BCL5 gene;****sequence variation**

name of component: B-cell CLL/lymphoma 5

[NPU30811](#)

DNA(spec.)—BCL5 gene; seq.var. = ?

DNA(specification)—**BCL6 gene;****sequence variation**

name of component: B-cell CLL/lymphoma 6 (zinc
finger protein 51)

[NPU19125](#)

DNA(spec.)—BCL6 gene; seq.var. = ?

DNA(specification)—**BCL6B gene;****sequence variation**

name of component: B-cell CLL/lymphoma 6,
member B (zinc finger protein)

[NPU30812](#)

DNA(spec.)—BCL6B gene; seq.var. = ?

DNA(specification)—
BCL7A gene;
sequence variation
name of component: B-cell CLL/lymphoma 7A
[NPU30813](#)
DNA(spec.)—BCL7A gene; seq.var. = ?

DNA(specification)—
BCL7B gene;
sequence variation
name of component: B-cell CLL/lymphoma 7B
[NPU30814](#)
DNA(spec.)—BCL7B gene; seq.var. = ?

DNA(specification)—
BCL7C gene;
sequence variation
name of component: B-cell CLL/lymphoma 7C
[NPU30815](#)
DNA(spec.)—BCL7C gene; seq.var. = ?

DNA(specification)—
BCL8 gene;
sequence variation
name of component: B-cell CLL/lymphoma 8
[NPU30816](#)
DNA(spec.)—BCL8 gene; seq.var. = ?

DNA(specification)—
BCL9 gene;
sequence variation
name of component: B-cell CLL/lymphoma 9
[NPU30817](#)
DNA(spec.)—BCL9 gene; seq.var. = ?

DNA(specification)—
BCMSUNL gene;
sequence variation
name of component: BCMS upstream neighbor-like
[NPU42050](#)
DNA(spec.)—BCMSUNL gene; seq.var. = ?

DNA(specification)—
BCOR gene;
sequence variation
name of component: BCL6 co-repressor
[NPU47799](#)
DNA(spec.)—BCOR gene; seq.var. = ?

DNA(specification)—
BCPM gene;
sequence variation
name of component: benign chronic pemphigus (Hailey-Hailey disease)
[NPU30819](#)
DNA(spec.)—BCPM gene; seq.var. = ?

DNA(specification)—
BCR gene;
sequence variation
name of component: breakpoint cluster region
[NPU19026](#)
DNA(spec.)—BCR gene; seq.var. = ?

DNA(specification)—
BCRL2 gene;
sequence variation
name of component: breakpoint cluster region-like 2
[NPU30820](#)
DNA(spec.)—BCRL2 gene; seq.var. = ?

DNA(specification)—
BCRL3 gene;
sequence variation
name of component: breakpoint cluster region-like 3
[NPU30821](#)
DNA(spec.)—BCRL3 gene; seq.var. = ?

DNA(specification)—
BCRL4 gene;
sequence variation
name of component: breakpoint cluster region-like 4
[NPU30822](#)
DNA(spec.)—BCRL4 gene; seq.var. = ?

DNA(specification)—
BCRL5 gene;
sequence variation
name of component: breakpoint cluster region-like 5
[NPU30823](#)
DNA(spec.)—BCRL5 gene; seq.var. = ?

DNA(specification)—
BCRL6 gene;
sequence variation
name of component: breakpoint cluster region-like 6
[NPU30824](#)
DNA(spec.)—BCRL6 gene; seq.var. = ?

DNA(specification)—
BCS1L gene;
sequence variation
name of component: BCS1-like (yeast)
[NPU30825](#)
DNA(spec.)—BCS1L gene; seq.var. = ?

DNA(specification)—**BCYRN1 gene;****sequence variation**

name of component: brain cytoplasmic RNA 1, Bc1 analog (mouse)

[NPU30826](#)

DNA(spec.)—BCYRN1 gene; seq.var. = ?

DNA(specification)—**BCYRN1P1 gene;****sequence variation**

name of component: brain cytoplasmic RNA 1, pseudogene 1

[NPU30827](#)

DNA(spec.)—BCYRN1P1 gene; seq.var. = ?

DNA(specification)—**BCYRN1P2 gene;****sequence variation**

name of component: brain cytoplasmic RNA 1, pseudogene 2

[NPU30828](#)

DNA(spec.)—BCYRN1P2 gene; seq.var. = ?

DNA(specification)—**BDH gene;****sequence variation**

name of component: 3-hydroxybutyrate dehydrogenase (heart, mitochondrial)

[NPU30829](#)

DNA(spec.)—BDH gene; seq.var. = ?

DNA(specification)—**BDK gene;****sequence variation**

name of component: bradykinin

[NPU30830](#)

DNA(spec.)—BDK gene; seq.var. = ?

DNA(specification)—**BDKRB1 gene;****sequence variation**

name of component: bradykinin receptor B1

[NPU30831](#)

DNA(spec.)—BDKRB1 gene; seq.var. = ?

DNA(specification)—**BDKRB2 gene;****sequence variation**

name of component: bradykinin receptor B2

[NPU30832](#)

DNA(spec.)—BDKRB2 gene; seq.var. = ?

DNA(specification)—**BDM gene;****sequence variation**

name of component: behavior disorder modifier

[NPU30833](#)

DNA(spec.)—BDM gene; seq.var. = ?

DNA(specification)—**BDMR gene;****sequence variation**

name of component: brachydactyly-mental retardation syndrome

[NPU30834](#)

DNA(spec.)—BDMR gene; seq.var. = ?

DNA(specification)—**BDNF gene;****sequence variation**

name of component: brain-derived neurotrophic factor

[NPU30835](#)

DNA(spec.)—BDNF gene; seq.var. = ?

DNA(specification)—**BDP1 gene;****sequence variation**

name of component: B double prime 1, subunit of RNA polymerase III transcription initiation factor IIIB

[NPU42255](#)

DNA(spec.)—BDP1 gene; seq.var. = ?

DNA(specification)—**BECN1 gene;****sequence variation**

name of component: beclin 1 (coiled-coil, myosin-like BCL2 interacting protein)

[NPU30836](#)

DNA(spec.)—BECN1 gene; seq.var. = ?

DNA(specification)—**BET1 gene;****sequence variation**

name of component: BET1 homolog (*S. cerevisiae*)

[NPU42865](#)

DNA(spec.)—BET1 gene; seq.var. = ?

DNA(specification)—**BET1L gene;****sequence variation**

name of component: blocked early in transport 1 homolog (*S. cerevisiae*) like

[NPU46985](#)

DNA(spec.)—BET1L gene; seq.var. = ?

DNA(specification)—**BEVI gene;****sequence variation**

name of component: baboon M7 virus integration site

[NPU30837](#)

DNA(spec.)—BEVI gene; seq.var. = ?

DNA(specification)—**BEX1 gene;****sequence variation**

name of component: brain expressed, X-linked 1

[NPU30838](#)

DNA(spec.)—BEX1 gene; seq.var. = ?

DNA(specification)—**BF gene;****sequence variation**

name of component: B-factor, properdin

[NPU30839](#)

DNA(spec.)—BF gene; seq.var. = ?

DNA(specification)—**BFAR gene;****sequence variation**

name of component: bifunctional apoptosis regulator

[NPU46059](#)

DNA(spec.)—BFAR gene; seq.var. = ?

DNA(specification)—**BFLS gene;****sequence variation**

name of component: Borjeson-Forssman-Lehmann syndrome

[NPU30840](#)

DNA(spec.)—BFLS gene; seq.var. = ?

DNA(specification)—**BFSP1 gene;****sequence variation**

name of component: beaded filament structural protein 1, filensin

[NPU30841](#)

DNA(spec.)—BFSP1 gene; seq.var. = ?

DNA(specification)—**BFSP2 gene;****sequence variation**

name of component: beaded filament structural protein 2, phakinin

[NPU30842](#)

DNA(spec.)—BFSP2 gene; seq.var. = ?

DNA(specification)—**BGLAP gene;****sequence variation**

name of component: bone gamma-carboxyglutamate (gla) protein (osteocalcin)

[NPU30843](#)

DNA(spec.)—BGLAP gene; seq.var. = ?

DNA(specification)—**BGN gene;****sequence variation**

name of component: biglycan

[NPU30844](#)

DNA(spec.)—BGN gene; seq.var. = ?

DNA(specification)—**BHLHB2 gene;****sequence variation**

name of component: basic helix-loop-helix domain containing, class B, 2

[NPU30845](#)

DNA(spec.)—BHLHB2 gene; seq.var. = ?

DNA(specification)—**BHLHB3 gene;****sequence variation**

name of component: basic helix-loop-helix domain containing, class B, 3

[NPU44594](#)

DNA(spec.)—BHLHB3 gene; seq.var. = ?

DNA(specification)—**BHLHB4 gene;****sequence variation**

name of component: basic helix-loop-helix domain containing, class B, 4

[NPU44140](#)

DNA(spec.)—BHLHB4 gene; seq.var. = ?

DNA(specification)—**BHLHB5 gene;****sequence variation**

name of component: basic helix-loop-helix domain containing, class B, 5

[NPU40923](#)

DNA(spec.)—BHLHB5 gene; seq.var. = ?

DNA(specification)—**BHMT gene;****sequence variation**

name of component: betaine-homocysteine methyltransferase

[NPU30846](#)

DNA(spec.)—BHMT gene; seq.var. = ?

DNA(specification)—**BHMT2 gene;****sequence variation**

name of component: betaine-homocysteine methyltransferase 2

[NPU30847](#)

DNA(spec.)—BHMT2 gene; seq.var. = ?

DNA(specification)—**BICC1 gene;****sequence variation**

name of component: bicaudal C homolog 1 (Drosophila)

[NPU46988](#)

DNA(spec.)—BICC1 gene; seq.var. = ?

DNA(specification)—**BICD1 gene;****sequence variation**

name of component: Bicaudal D homolog 1 (Drosophila)

[NPU30848](#)

DNA(spec.)—BICD1 gene; seq.var. = ?

DNA(specification)—**BID gene;****sequence variation**

name of component: BH3 interacting domain death agonist

[NPU30849](#)

DNA(spec.)—BID gene; seq.var. = ?

DNA(specification)—**BIK gene;****sequence variation**

name of component: BCL2-interacting killer (apoptosis-inducing)

[NPU30850](#)

DNA(spec.)—BIK gene; seq.var. = ?

DNA(specification)—**BIN1 gene;****sequence variation**

name of component: bridging integrator 1

[NPU30851](#)

DNA(spec.)—BIN1 gene; seq.var. = ?

DNA(specification)—**BIN2 gene;****sequence variation**

name of component: bridging integrator 2

[NPU30852](#)

DNA(spec.)—BIN2 gene; seq.var. = ?

DNA(specification)—**BIN3 gene;****sequence variation**

name of component: bridging integrator 3

[NPU30853](#)

DNA(spec.)—BIN3 gene; seq.var. = ?

DNA(specification)—**BIRC1 gene;****sequence variation**

name of component: baculoviral IAP repeat-containing 1

[NPU19028](#)

DNA(spec.)—BIRC1 gene; seq.var. = ?

DNA(specification)—**BIRC2 gene;****sequence variation**

name of component: baculoviral IAP repeat-containing 2

[NPU30471](#)

DNA(spec.)—BIRC2 gene; seq.var. = ?

DNA(specification)—**BIRC3 gene;****sequence variation**

name of component: baculoviral IAP repeat-containing 3

[NPU30472](#)

DNA(spec.)—BIRC3 gene; seq.var. = ?

DNA(specification)—**BIRC4 gene;****sequence variation**

name of component: baculoviral IAP repeat-containing 4

[NPU30473](#)

DNA(spec.)—BIRC4 gene; seq.var. = ?

DNA(specification)—**BIRC5 gene;****sequence variation**

name of component: baculoviral IAP repeat-containing 5 (survivin)

[NPU30474](#)

DNA(spec.)—BIRC5 gene; seq.var. = ?

DNA(specification)—**BIRC6 gene;****sequence variation**

name of component: baculoviral IAP repeat-containing 6 (apollon)

[NPU42162](#)

DNA(spec.)—BIRC6 gene; seq.var. = ?

DNA(specification)—**BIRC7 gene;****sequence variation**

name of component: baculoviral IAP repeat-containing 7 (livin)

[NPU42275](#)

DNA(spec.)—BIRC7 gene; seq.var. = ?

DNA(specification)—**BIRC8 gene;****sequence variation**

name of component: baculoviral IAP repeat-containing 8

[NPU43133](#)

DNA(spec.)—BIRC8 gene; seq.var. = ?

DNA(specification)—**BIVM gene;****sequence variation**

name of component: basic, immunoglobulin-like variable motif containing

[NPU44096](#)

DNA(spec.)—BIVM gene; seq.var. = ?

DNA(specification)—**BLACE gene;****sequence variation**

name of component: B-cell acute lymphoblastic leukemia expressed

[NPU47645](#)

DNA(spec.)—BLACE gene; seq.var. = ?

DNA(specification)—**BLCAP gene;****sequence variation**

name of component: bladder cancer associated protein

[NPU30854](#)

DNA(spec.)—BLCAP gene; seq.var. = ?

DNA(specification)—**BLK gene;****sequence variation**

name of component: B lymphoid tyrosine kinase

[NPU30855](#)

DNA(spec.)—BLK gene; seq.var. = ?

DNA(specification)—**BLM gene;****sequence variation**

name of component: Bloom syndrome

[NPU30856](#)

DNA(spec.)—BLM gene; seq.var. = ?

DNA(specification)—**BLMH gene;****sequence variation**

name of component: bleomycin hydrolase

[NPU30857](#)

DNA(spec.)—BLMH gene; seq.var. = ?

DNA(specification)—**BLNK gene;****sequence variation**

name of component: B-cell linker

[NPU42594](#)

DNA(spec.)—BLNK gene; seq.var. = ?

DNA(specification)—**BLR1 gene;****sequence variation**

name of component: Burkitt lymphoma receptor 1, GTP binding protein (chemokine (C-X-C motif) receptor 5)

[NPU30858](#)

DNA(spec.)—BLR1 gene; seq.var. = ?

DNA(specification)—**BLVRA gene;****sequence variation**

name of component: biliverdin reductase A

[NPU30859](#)

DNA(spec.)—BLVRA gene; seq.var. = ?

DNA(specification)—**BLVRB gene;****sequence variation**

name of component: biliverdin reductase B (flavin reductase (NADPH))

[NPU30860](#)

DNA(spec.)—BLVRB gene; seq.var. = ?

DNA(specification)—**BLZF1 gene;****sequence variation**

name of component: basic leucine zipper nuclear factor 1 (JEM-1)

[NPU30861](#)

DNA(spec.)—BLZF1 gene; seq.var. = ?

DNA(specification)—**BLZF2P gene;****sequence variation**

name of component: basic leucine zipper nuclear factor 2 pseudogene

[NPU47389](#)

DNA(spec.)—BLZF2P gene; seq.var. = ?

DNA(specification)—**BMI1 gene;****sequence variation**

name of component: B lymphoma Mo-MLV insertion region (mouse)

[NPU30862](#)

DNA(spec.)—BMI1 gene; seq.var. = ?

DNA(specification)—**BMP1 gene;****sequence variation**

name of component: bone morphogenetic protein 1

[NPU30863](#)

DNA(spec.)—BMP1 gene; seq.var. = ?

DNA(specification)—**BMP10 gene;****sequence variation**

name of component: bone morphogenetic protein 10

[NPU47786](#)

DNA(spec.)—BMP10 gene; seq.var. = ?

DNA(specification)—**BMP15 gene;****sequence variation**

name of component: bone morphogenetic protein 15

[NPU30864](#)

DNA(spec.)—BMP15 gene; seq.var. = ?

DNA(specification)—**BMP2 gene;****sequence variation**

name of component: bone morphogenetic protein 2

[NPU30865](#)

DNA(spec.)—BMP2 gene; seq.var. = ?

DNA(specification)—**BMP3 gene;****sequence variation**name of component: bone morphogenetic protein 3
(osteogenic)[NPU30866](#)

DNA(spec.)—BMP3 gene; seq.var. = ?

DNA(specification)—**BMP4 gene;****sequence variation**

name of component: bone morphogenetic protein 4

[NPU30867](#)

DNA(spec.)—BMP4 gene; seq.var. = ?

DNA(specification)—**BMP5 gene;****sequence variation**

name of component: bone morphogenetic protein 5

[NPU30868](#)

DNA(spec.)—BMP5 gene; seq.var. = ?

DNA(specification)—**BMP6 gene;****sequence variation**

name of component: bone morphogenetic protein 6

[NPU30869](#)

DNA(spec.)—BMP6 gene; seq.var. = ?

DNA(specification)—**BMP6P1 gene;****sequence variation**name of component: bone morphogenetic protein 6
pseudogene 1[NPU46977](#)

DNA(spec.)—BMP6P1 gene; seq.var. = ?

DNA(specification)—**BMP7 gene;****sequence variation**name of component: bone morphogenetic protein 7
(osteogenic protein 1)[NPU30870](#)

DNA(spec.)—BMP7 gene; seq.var. = ?

DNA(specification)—**BMP8 gene;****sequence variation**name of component: bone morphogenetic protein 8
(osteogenic protein 2)[NPU30871](#)

DNA(spec.)—BMP8 gene; seq.var. = ?

DNA(specification)—**BMPR1A gene;****sequence variation**name of component: bone morphogenetic protein
receptor, type IA[NPU30872](#)

DNA(spec.)—BMPR1A gene; seq.var. = ?

DNA(specification)—**BMPR1B gene;****sequence variation**name of component: bone morphogenetic protein
receptor, type IB[NPU30873](#)

DNA(spec.)—BMPR1B gene; seq.var. = ?

DNA(specification)—**BMPR2 gene;****sequence variation**name of component: bone morphogenetic protein
receptor, type II (serine/threonine kinase)[NPU30874](#)

DNA(spec.)—BMPR2 gene; seq.var. = ?

DNA(specification)—**BMX gene;****sequence variation**name of component: BMX non-receptor tyrosine
kinase[NPU30875](#)

DNA(spec.)—BMX gene; seq.var. = ?

DNA(specification)—**BNC gene;****sequence variation**

name of component: basonuclein

[NPU30877](#)

DNA(spec.)—BNC gene; seq.var. = ?

DNA(specification)—**BNIP1 gene;****sequence variation**name of component: BCL2/adenovirus E1B 19
kDa interacting protein 1[NPU30878](#)

DNA(spec.)—BNIP1 gene; seq.var. = ?

DNA(specification)—**BNIP2 gene;****sequence variation**name of component: BCL2/adenovirus E1B 19
kDa interacting protein 2[NPU30879](#)

DNA(spec.)—BNIP2 gene; seq.var. = ?

DNA(specification)—**BNIP3 gene;****sequence variation**

name of component: BCL2/adenovirus E1B 19 kDa interacting protein 3

[NPU30880](#)

DNA(spec.)—BNIP3 gene; seq.var. = ?

DNA(specification)—**BNIP3L gene;****sequence variation**

name of component: BCL2/adenovirus E1B 19 kDa interacting protein 3-like

[NPU30881](#)

DNA(spec.)—BNIP3L gene; seq.var. = ?

DNA(specification)—**BNIP3P gene;****sequence variation**

name of component: BCL2/adenovirus E1B 19 kDa interacting protein 3 pseudogene

[NPU47313](#)

DNA(spec.)—BNIP3P gene; seq.var. = ?

DNA(specification)—**BNIP1 gene;****sequence variation**

name of component: BCL2/adenovirus E1B 19kD interacting protein like

[NPU44795](#)

DNA(spec.)—BNIP1 gene; seq.var. = ?

DNA(specification)—**BOK gene;****sequence variation**

name of component: BCL2-related ovarian killer

[NPU30882](#)

DNA(spec.)—BOK gene; seq.var. = ?

DNA(specification)—**BOLL gene;****sequence variation**

name of component: bol, boule-like (Drosophila)

[NPU42638](#)

DNA(spec.)—BOLL gene; seq.var. = ?

DNA(specification)—**BOP1 gene;****sequence variation**

name of component: block of proliferation 1

[NPU43716](#)

DNA(spec.)—BOP1 gene; seq.var. = ?

DNA(specification)—**BPAG1 gene;****sequence variation**

name of component: bullous pemphigoid antigen 1, 230/240 kDa

[NPU30883](#)

DNA(spec.)—BPAG1 gene; seq.var. = ?

DNA(specification)—**BPESC1 gene;****sequence variation**

name of component: blepharophimosis, epicanthus inversus and ptosis, candidate 1

[NPU42051](#)

DNA(spec.)—BPESC1 gene; seq.var. = ?

DNA(specification)—**BPGM gene;****sequence variation**

name of component: 2,3-bisphosphoglycerate mutase

[NPU30885](#)

DNA(spec.)—BPGM gene; seq.var. = ?

DNA(specification)—**BPHL gene;****sequence variation**

name of component: biphenyl hydrolase-like (serine hydrolase; breast epithelial mucin-associated antigen)

[NPU30886](#)

DNA(spec.)—BPHL gene; seq.var. = ?

DNA(specification)—**BPI gene;****sequence variation**

name of component: bactericidal/permeability-increasing protein

[NPU30887](#)

DNA(spec.)—BPI gene; seq.var. = ?

DNA(specification)—**BPIL1 gene;****sequence variation**

name of component: bactericidal/permeability-increasing protein-like 1

[NPU44221](#)

DNA(spec.)—BPIL1 gene; seq.var. = ?

DNA(specification)—**BPIL2 gene;****sequence variation**

name of component: bactericidal/permeability-increasing protein-like 2

[NPU44492](#)

DNA(spec.)—BPIL2 gene; seq.var. = ?

DNA(specification)—**BPIL3 gene;****sequence variation**

name of component: bactericidal/permeability-increasing protein-like 3

[NPU44493](#)

DNA(spec.)—BPIL3 gene; seq.var. = ?

DNA(specification)—
BPNT1 gene;
sequence variation
 name of component: 3'(2'), 5'-bisphosphate nucleotidase 1
[NPU30888](#)
 DNA(spec.)—BPNT1 gene; seq.var. = ?

DNA(specification)—
BRAF gene;
sequence variation
 name of component: v-raf murine sarcoma viral oncogene homolog B1
[NPU30889](#)
 DNA(spec.)—BRAF gene; seq.var. = ?

DNA(specification)—
BRAFp gene;
sequence variation
 name of component: v-raf murine sarcoma viral oncogene homolog B1 pseudogene
[NPU30890](#)
 DNA(spec.)—BRAFp gene; seq.var. = ?

DNA(specification)—
BRAP gene;
sequence variation
 name of component: BRCA1 associated protein
[NPU30891](#)
 DNA(spec.)—BRAP gene; seq.var. = ?

DNA(specification)—
BRCA1 gene;
sequence variation
 name of component: breast cancer 1, early onset
[NPU19029](#)
 DNA(spec.)—BRCA1 gene; seq.var. = ?

DNA(specification)—
BRCA2 gene;
sequence variation
 name of component: breast cancer 2, early onset
[NPU19030](#)
 DNA(spec.)—BRCA2 gene; seq.var. = ?

DNA(specification)—
BRCA3 gene;
sequence variation
 name of component: breast cancer 3
[NPU46573](#)
 DNA(spec.)—BRCA3 gene; seq.var. = ?

DNA(specification)—
BRD1 gene;
sequence variation
 name of component: bromodomain containing 1
[NPU30892](#)
 DNA(spec.)—BRD1 gene; seq.var. = ?

DNA(specification)—
BRD2 gene;
sequence variation
 name of component: bromodomain containing 2
[NPU30893](#)
 DNA(spec.)—BRD2 gene; seq.var. = ?

DNA(specification)—
BRD3 gene;
sequence variation
 name of component: bromodomain containing 3
[NPU30894](#)
 DNA(spec.)—BRD3 gene; seq.var. = ?

DNA(specification)—
BRD4 gene;
sequence variation
 name of component: bromodomain containing 4
[NPU42203](#)
 DNA(spec.)—BRD4 gene; seq.var. = ?

DNA(specification)—
BRD7 gene;
sequence variation
 name of component: bromodomain containing 7
[NPU42666](#)
 DNA(spec.)—BRD7 gene; seq.var. = ?

DNA(specification)—
BRD7P gene;
sequence variation
 name of component: bromodomain containing 7 pseudogene
[NPU47314](#)
 DNA(spec.)—BRD7P gene; seq.var. = ?

DNA(specification)—
BRD8 gene;
sequence variation
 name of component: bromodomain containing 8
[NPU47293](#)
 DNA(spec.)—BRD8 gene; seq.var. = ?

DNA(specification)—
BRDT gene;
sequence variation
 name of component: bromodomain, testis-specific
[NPU30895](#)
 DNA(spec.)—BRDT gene; seq.var. = ?

DNA(specification)—
BRE gene;
sequence variation
 name of component: brain and reproductive organ-expressed (TNFRSF1A modulator)
[NPU30896](#)
 DNA(spec.)—BRE gene; seq.var. = ?

DNA(specification)—**BRF1 gene;****sequence variation**

name of component: BRF1 homolog, subunit of RNA polymerase III transcription initiation factor IIIB (*S. cerevisiae*)

[NPU40588](#)

DNA(spec.)—BRF1 gene; seq.var. = ?

DNA(specification)—**BRF2 gene;****sequence variation**

name of component: BRF2, subunit of RNA polymerase III transcription initiation factor, BRF1-like

[NPU44961](#)

DNA(spec.)—BRF2 gene; seq.var. = ?

DNA(specification)—**BRI3 gene;****sequence variation**

name of component: brain protein I3

[NPU30899](#)

DNA(spec.)—BRI3 gene; seq.var. = ?

DNA(specification)—**BRI3BP gene;****sequence variation**

name of component: BRI3 binding protein

[NPU42618](#)

DNA(spec.)—BRI3BP gene; seq.var. = ?

DNA(specification)—**BRIP1 gene;****sequence variation**

name of component: BRCA1 interacting protein C-terminal helicase 1

[NPU47637](#)

DNA(spec.)—BRIP1 gene; seq.var. = ?

DNA(specification)—**BRMS1 gene;****sequence variation**

name of component: breast cancer metastasis-suppressor 1

[NPU47654](#)

DNA(spec.)—BRMS1 gene; seq.var. = ?

DNA(specification)—**BRPF1 gene;****sequence variation**

name of component: bromodomain and PHD finger containing, 1

[NPU42622](#)

DNA(spec.)—BRPF1 gene; seq.var. = ?

DNA(specification)—**BRPF3 gene;****sequence variation**

name of component: bromodomain and PHD finger containing, 3

[NPU42623](#)

DNA(spec.)—BRPF3 gene; seq.var. = ?

DNA(specification)—**BRRN1 gene;****sequence variation**

name of component: barren homolog (*Drosophila*)

[NPU30900](#)

DNA(spec.)—BRRN1 gene; seq.var. = ?

DNA(specification)—**BRS3 gene;****sequence variation**

name of component: bombesin-like receptor 3

[NPU30901](#)

DNA(spec.)—BRS3 gene; seq.var. = ?

DNA(specification)—**BRUNOL4 gene;****sequence variation**

name of component: bruno-like 4, RNA binding protein (*Drosophila*)

[NPU42449](#)

DNA(spec.)—BRUNOL4 gene; seq.var. = ?

DNA(specification)—**BRUNOL5 gene;****sequence variation**

name of component: bruno-like 5, RNA binding protein (*Drosophila*)

[NPU42481](#)

DNA(spec.)—BRUNOL5 gene; seq.var. = ?

DNA(specification)—**BRUNOL6 gene;****sequence variation**

name of component: bruno-like 6, RNA binding protein (*Drosophila*)

[NPU42482](#)

DNA(spec.)—BRUNOL6 gene; seq.var. = ?

DNA(specification)—**BSCL gene;****sequence variation**

name of component: Berardinelli-Seip congenital lipodystrophy

[NPU30902](#)

DNA(spec.)—BSCL gene; seq.var. = ?

DNA(specification)—**BSCL2 gene;****sequence variation**

name of component: Bernardinelli-Seip congenital lipodystrophy 2 (seipin)

[NPU43930](#)

DNA(spec.)—BSCL2 gene; seq.var. = ?

DNA(specification)—**BSG gene;****sequence variation**

name of component: basigin (OK blood group)

[NPU30903](#)

DNA(spec.)—BSG gene; seq.var. = ?

DNA(specification)—**BSN gene;****sequence variation**

name of component: bassoon (presynaptic cytomatrix protein)

[NPU30904](#)

DNA(spec.)—BSN gene; seq.var. = ?

DNA(specification)—**BSPRY gene;****sequence variation**

name of component: B-box and SPRY domain containing

[NPU46353](#)

DNA(spec.)—BSPRY gene; seq.var. = ?

DNA(specification)—**BST1 gene;****sequence variation**

name of component: bone marrow stromal cell antigen 1

[NPU30905](#)

DNA(spec.)—BST1 gene; seq.var. = ?

DNA(specification)—**BST2 gene;****sequence variation**

name of component: bone marrow stromal cell antigen 2

[NPU30906](#)

DNA(spec.)—BST2 gene; seq.var. = ?

DNA(specification)—**BTA1 gene;****sequence variation**

name of component: BTA1 RNA polymerase II, B-TFIID transcription factor-associated, 170 kDa (Mot1 homolog, *S. cerevisiae*)

[NPU44968](#)

DNA(spec.)—BTA1 gene; seq.var. = ?

DNA(specification)—**BTBD1 gene;****sequence variation**

name of component: BTB (POZ) domain containing 1

[NPU30907](#)

DNA(spec.)—BTBD1 gene; seq.var. = ?

DNA(specification)—**BTBD2 gene;****sequence variation**

name of component: BTB (POZ) domain containing 2

[NPU43704](#)

DNA(spec.)—BTBD2 gene; seq.var. = ?

DNA(specification)—**BTBD3 gene;****sequence variation**

name of component: BTB (POZ) domain containing 3

[NPU43945](#)

DNA(spec.)—BTBD3 gene; seq.var. = ?

DNA(specification)—**BTBD4 gene;****sequence variation**

name of component: BTB (POZ) domain containing 4

[NPU44141](#)

DNA(spec.)—BTBD4 gene; seq.var. = ?

DNA(specification)—**BTBD5 gene;****sequence variation**

name of component: BTB (POZ) domain containing 5

[NPU47174](#)

DNA(spec.)—BTBD5 gene; seq.var. = ?

DNA(specification)—**BTBD6 gene;****sequence variation**

name of component: BTB (POZ) domain containing 6

[NPU47298](#)

DNA(spec.)—BTBD6 gene; seq.var. = ?

DNA(specification)—**BTC gene;****sequence variation**

name of component: betacellulin

[NPU30908](#)

DNA(spec.)—BTC gene; seq.var. = ?

DNA(specification)—**BTD gene;****sequence variation**

name of component: biotinidase

[NPU19027](#)

DNA(spec.)—BTD gene; seq.var. = ?

DNA(specification)—**BTEB1 gene;****sequence variation**

name of component: basic transcription element

binding protein 1

[NPU30909](#)

DNA(spec.)—BTEB1 gene; seq.var. = ?

DNA(specification)—**BTF3 gene;****sequence variation**

name of component: basic transcription factor 3

[NPU30910](#)

DNA(spec.)—BTF3 gene; seq.var. = ?

DNA(specification)—**BTF3L1 gene;****sequence variation**name of component: basic transcription factor 3,
like 1[NPU30911](#)

DNA(spec.)—BTF3L1 gene; seq.var. = ?

DNA(specification)—**BTF3L2 gene;****sequence variation**name of component: basic transcription factor 3,
like 2[NPU30912](#)

DNA(spec.)—BTF3L2 gene; seq.var. = ?

DNA(specification)—**BTF3L3 gene;****sequence variation**name of component: basic transcription factor 3,
like 3[NPU30913](#)

DNA(spec.)—BTF3L3 gene; seq.var. = ?

DNA(specification)—**BTF3P1 gene;****sequence variation**name of component: basic transcription factor 3,
pseudogene 1[NPU30914](#)

DNA(spec.)—BTF3P1 gene; seq.var. = ?

DNA(specification)—**BT3P2 gene;****sequence variation**name of component: basic transcription factor 3,
pseudogene 2[NPU47315](#)

DNA(spec.)—BT3P2 gene; seq.var. = ?

DNA(specification)—**BTG1 gene;****sequence variation**name of component: B-cell translocation gene 1,
anti-proliferative[NPU30915](#)

DNA(spec.)—BTG1 gene; seq.var. = ?

DNA(specification)—**BTG2 gene;****sequence variation**

name of component: BTG family, member 2

[NPU30916](#)

DNA(spec.)—BTG2 gene; seq.var. = ?

DNA(specification)—**BTG3 gene;****sequence variation**

name of component: BTG family, member 3

[NPU30917](#)

DNA(spec.)—BTG3 gene; seq.var. = ?

DNA(specification)—**BTG4 gene;****sequence variation**

name of component: B-cell translocation gene 4

[NPU42360](#)

DNA(spec.)—BTG4 gene; seq.var. = ?

DNA(specification)—**BTK gene;****sequence variation**name of component: Bruton agammaglobulinemia
tyrosine kinase[NPU30918](#)

DNA(spec.)—BTK gene; seq.var. = ?

DNA(specification)—**BTN1A1 gene;****sequence variation**name of component: butyrophilin, subfamily 1,
member A1[NPU30919](#)

DNA(spec.)—BTN1A1 gene; seq.var. = ?

DNA(specification)—**BTN2A1 gene;****sequence variation**name of component: butyrophilin, subfamily 2,
member A1[NPU30920](#)

DNA(spec.)—BTN2A1 gene; seq.var. = ?

DNA(specification)—**BTN2A2 gene;****sequence variation**

name of component: butyrophilin, subfamily 2, member A2

[NPU30921](#)

DNA(spec.)—BTN2A2 gene; seq.var. = ?

DNA(specification)—**BTN2A3 gene;****sequence variation**

name of component: butyrophilin, subfamily 2, member A3

[NPU42052](#)

DNA(spec.)—BTN2A3 gene; seq.var. = ?

DNA(specification)—**BTN3A1 gene;****sequence variation**

name of component: butyrophilin, subfamily 3, member A1

[NPU30922](#)

DNA(spec.)—BTN3A1 gene; seq.var. = ?

DNA(specification)—**BTN3A2 gene;****sequence variation**

name of component: butyrophilin, subfamily 3, member A2

[NPU30923](#)

DNA(spec.)—BTN3A2 gene; seq.var. = ?

DNA(specification)—**BTN3A3 gene;****sequence variation**

name of component: butyrophilin, subfamily 3, member A3

[NPU30924](#)

DNA(spec.)—BTN3A3 gene; seq.var. = ?

DNA(specification)—**BTNL1 gene;****sequence variation**

name of component: butyrophilin-like 1

[NPU30925](#)

DNA(spec.)—BTNL1 gene; seq.var. = ?

DNA(specification)—**BTNL2 gene;****sequence variation**

name of component: butyrophilin-like 2 (MHC class II associated)

[NPU30926](#)

DNA(spec.)—BTNL2 gene; seq.var. = ?

DNA(specification)—**BTNL3 gene;****sequence variation**

name of component: butyrophilin-like 3

[NPU30927](#)

DNA(spec.)—BTNL3 gene; seq.var. = ?

DNA(specification)—**BTRC gene;****sequence variation**

name of component: beta-transducin repeat containing

[NPU30928](#)

DNA(spec.)—BTRC gene; seq.var. = ?

DNA(specification)—**BTS1 gene;****sequence variation**

name of component: bladder tumor susceptibility 1

[NPU30930](#)

DNA(spec.)—BTS1 gene; seq.var. = ?

DNA(specification)—**BUB1 gene;****sequence variation**

name of component: BUB1 budding uninhibited by benzimidazoles 1 homolog (yeast)

[NPU30931](#)

DNA(spec.)—BUB1 gene; seq.var. = ?

DNA(specification)—**BUB1B gene;****sequence variation**

name of component: BUB1 budding uninhibited by benzimidazoles 1 homolog beta (yeast)

[NPU30932](#)

DNA(spec.)—BUB1B gene; seq.var. = ?

DNA(specification)—**BUB3 gene;****sequence variation**

name of component: BUB3 budding uninhibited by benzimidazoles 3 homolog (yeast)

[NPU30933](#)

DNA(spec.)—BUB3 gene; seq.var. = ?

DNA(specification)—**BUCS1 gene;****sequence variation**

name of component: butyryl Coenzyme A synthetase 1

[NPU46250](#)

DNA(spec.)—BUCS1 gene; seq.var. = ?

DNA(specification)—**BVES gene;****sequence variation**

name of component: blood vessel epicardial substance

[NPU30934](#)

DNA(spec.)—BVES gene; seq.var. = ?

DNA(specification)—**BVR1 gene;****sequence variation**

name of component: Burkitt lymphoma variant rearranging region 1

[NPU30935](#)

DNA(spec.)—BVR1 gene; seq.var. = ?

DNA(specification)—**BWS gene;****sequence variation**

name of component: Beckwith-Wiedemann syndrome

[NPU30936](#)

DNA(spec.)—BWS gene; seq.var. = ?

DNA(specification)—**BXDC1 gene;****sequence variation**

name of component: brix domain containing 1

[NPU47787](#)

DNA(spec.)—BXDC1 gene; seq.var. = ?

DNA(specification)—**BYSL gene;****sequence variation**

name of component: bystin-like

[NPU30937](#)

DNA(spec.)—BYSL gene; seq.var. = ?

DNA(specification)—**BZRAP1 gene;****sequence variation**

name of component: benzodiazapine receptor (peripheral) associated protein 1

[NPU44727](#)

DNA(spec.)—BZRAP1 gene; seq.var. = ?

DNA(specification)—**BZRP gene;****sequence variation**

name of component: benzodiazapine receptor (peripheral)

[NPU30938](#)

DNA(spec.)—BZRP gene; seq.var. = ?

DNA(specification)—**BZW1 gene;****sequence variation**

name of component: basic leucine zipper and W2 domains 1

[NPU46436](#)

DNA(spec.)—BZW1 gene; seq.var. = ?

DNA(specification)—**BZW2 gene;****sequence variation**

name of component: basic leucine zipper and W2 domains 2

[NPU46676](#)

DNA(spec.)—BZW2 gene; seq.var. = ?

DNA(specification)—**BAALC gene;****sequence variation**

name of component: brain and acute leukemia, cytoplasmic

[NPU42677](#)

DNA(spec.)—BAALC gene; seq.var. = ?

DNA(specification)—**BAAT gene;****sequence variation**

name of component: bile acid Coenzyme A: amino acid N-acyltransferase (glycine N-choloyltransferase)

[NPU30751](#)

DNA(spec.)—BAAT gene; seq.var. = ?

DNA(specification)—**C10orf1 gene;****sequence variation**

name of component: chromosome 10 open reading frame 1

[NPU42053](#)

DNA(spec.)—C10orf1 gene; seq.var. = ?

DNA(specification)—**C10orf2 gene;****sequence variation**

name of component: chromosome 10 open reading frame 2

[NPU30939](#)

DNA(spec.)—C10orf2 gene; seq.var. = ?

DNA(specification)—**C10orf3 gene;****sequence variation**

name of component: chromosome 10 open reading frame 3

[NPU30940](#)

DNA(spec.)—C10orf3 gene; seq.var. = ?

DNA(specification)—**C10orf4 gene;****sequence variation**

name of component: chromosome 10 open reading frame 4

[NPU30941](#)

DNA(spec.)—C10orf4 gene; seq.var. = ?

DNA(specification)—**C10orf6 gene;****sequence variation**

name of component: chromosome 10 open reading frame 6

[NPU46114](#)

DNA(spec.)—C10orf6 gene; seq.var. = ?

DNA(specification)—**C10orf7 gene;****sequence variation**

name of component: chromosome 10 open reading frame 7

[NPU44724](#)

DNA(spec.)—C10orf7 gene; seq.var. = ?

DNA(specification)—**C11orf1 gene;****sequence variation**

name of component: chromosome 11 open reading frame 1

[NPU30942](#)

DNA(spec.)—C11orf1 gene; seq.var. = ?

DNA(specification)—**C11orf10 gene;****sequence variation**

name of component: chromosome 11 open reading frame 10

[NPU30943](#)

DNA(spec.)—C11orf10 gene; seq.var. = ?

DNA(specification)—**C11orf11 gene;****sequence variation**

name of component: chromosome 11 open reading frame 11

[NPU30944](#)

DNA(spec.)—C11orf11 gene; seq.var. = ?

DNA(specification)—**C11orf13 gene;****sequence variation**

name of component: chromosome 11 open reading frame 13

[NPU30945](#)

DNA(spec.)—C11orf13 gene; seq.var. = ?

DNA(specification)—**C11orf14 gene;****sequence variation**

name of component: chromosome 11 open reading frame 14

[NPU30946](#)

DNA(spec.)—C11orf14 gene; seq.var. = ?

DNA(specification)—**C11orf15 gene;****sequence variation**

name of component: chromosome 11 open reading frame 15

[NPU30947](#)

DNA(spec.)—C11orf15 gene; seq.var. = ?

DNA(specification)—**C11orf16 gene;****sequence variation**

name of component: chromosome 11 open reading frame 16

[NPU30948](#)

DNA(spec.)—C11orf16 gene; seq.var. = ?

DNA(specification)—**C11orf17 gene;****sequence variation**

name of component: chromosome 11 open reading frame 17

[NPU30949](#)

DNA(spec.)—C11orf17 gene; seq.var. = ?

DNA(specification)—**C11orf2 gene;****sequence variation**

name of component: chromosome 11 open reading frame 2

[NPU30951](#)

DNA(spec.)—C11orf2 gene; seq.var. = ?

DNA(specification)—**C11orf21 gene;****sequence variation**

name of component: chromosome 11 open reading frame 21

[NPU42054](#)

DNA(spec.)—C11orf21 gene; seq.var. = ?

DNA(specification)—**C11orf23 gene;****sequence variation**

name of component: chromosome 11 open reading frame 23

[NPU30952](#)

DNA(spec.)—C11orf23 gene; seq.var. = ?

DNA(specification)—**C11orf24 gene;****sequence variation**

name of component: chromosome 11 open reading frame 24

[NPU30953](#)

DNA(spec.)—C11orf24 gene; seq.var. = ?

DNA(specification)—**C11orf25 gene;****sequence variation**

name of component: chromosome 11 open reading frame 25

[NPU42440](#)

DNA(spec.)—C11orf25 gene; seq.var. = ?

DNA(specification)—**C11orf26 gene;****sequence variation**

name of component: chromosome 11 open reading frame 26

[NPU42839](#)

DNA(spec.)—C11orf26 gene; seq.var. = ?

DNA(specification)—**C11orf27 gene;****sequence variation**

name of component: chromosome 11 open reading frame 27

[NPU42840](#)

DNA(spec.)—C11orf27 gene; seq.var. = ?

DNA(specification)—**C11orf28 gene;****sequence variation**

name of component: chromosome 11 open reading frame 28

[NPU42929](#)

DNA(spec.)—C11orf28 gene; seq.var. = ?

DNA(specification)—**C11orf29 gene;****sequence variation**

name of component: chromosome 11 open reading frame 29

[NPU43809](#)

DNA(spec.)—C11orf29 gene; seq.var. = ?

DNA(specification)—**C11orf3 gene;****sequence variation**

name of component: chromosome 11 open reading frame 3

[NPU30954](#)

DNA(spec.)—C11orf3 gene; seq.var. = ?

DNA(specification)—**C11orf31 gene;****sequence variation**

name of component: chromosome 11 open reading frame 31

[NPU46362](#)

DNA(spec.)—C11orf31 gene; seq.var. = ?

DNA(specification)—**C11orf5 gene;****sequence variation**

name of component: chromosome 11 open reading frame 5

[NPU30956](#)

DNA(spec.)—C11orf5 gene; seq.var. = ?

DNA(specification)—**C11orf6 gene;****sequence variation**

name of component: chromosome 11 open reading frame 6

[NPU30957](#)

DNA(spec.)—C11orf6 gene; seq.var. = ?

DNA(specification)—**C11orf7 gene;****sequence variation**

name of component: chromosome 11 open reading frame 7

[NPU30958](#)

DNA(spec.)—C11orf7 gene; seq.var. = ?

DNA(specification)—**C11orf8 gene;****sequence variation**

name of component: chromosome 11 open reading frame 8

[NPU30959](#)

DNA(spec.)—C11orf8 gene; seq.var. = ?

DNA(specification)—**C11orf9 gene;****sequence variation**

name of component: chromosome 11 open reading frame 9

[NPU30960](#)

DNA(spec.)—C11orf9 gene; seq.var. = ?

DNA(specification)—**C12orf10 gene;****sequence variation**

name of component: chromosome 12 open reading frame 10

[NPU46055](#)

DNA(spec.)—C12orf10 gene; seq.var. = ?

DNA(specification)—**C12orf2 gene;****sequence variation**

name of component: chromosome 12 open reading frame 2

[NPU42055](#)

DNA(spec.)—C12orf2 gene; seq.var. = ?

DNA(specification)—**C12orf22 gene;****sequence variation**

name of component: chromosome 12 open reading frame 22

[NPU44076](#)

DNA(spec.)—C12orf22 gene; seq.var. = ?

DNA(specification)—**C12orf3 gene;****sequence variation**

name of component: chromosome 12 open reading frame 3

[NPU30961](#)

DNA(spec.)—C12orf3 gene; seq.var. = ?

DNA(specification)—**C12orf4 gene;****sequence variation**

name of component: chromosome 12 open reading frame 4

[NPU30962](#)

DNA(spec.)—C12orf4 gene; seq.var. = ?

DNA(specification)—**C12orf5 gene;****sequence variation**

name of component: chromosome 12 open reading frame 5

[NPU30963](#)

DNA(spec.)—C12orf5 gene; seq.var. = ?

DNA(specification)—**C12orf6 gene;****sequence variation**

name of component: chromosome 12 open reading frame 6

[NPU30964](#)

DNA(spec.)—C12orf6 gene; seq.var. = ?

DNA(specification)—**C12orf7 gene;****sequence variation**

name of component: chromosome 12 open reading frame 7

[NPU42323](#)

DNA(spec.)—C12orf7 gene; seq.var. = ?

DNA(specification)—**C12orf8 gene;****sequence variation**

name of component: chromosome 12 open reading frame 8

[NPU42326](#)

DNA(spec.)—C12orf8 gene; seq.var. = ?

DNA(specification)—**C12orf9 gene;****sequence variation**

name of component: chromosome 12 open reading frame 9

[NPU44027](#)

DNA(spec.)—C12orf9 gene; seq.var. = ?

DNA(specification)—**C13orf1 gene;****sequence variation**

name of component: chromosome 13 open reading frame 1

[NPU42656](#)

DNA(spec.)—C13orf1 gene; seq.var. = ?

DNA(specification)—**C13orf10 gene;****sequence variation**

name of component: chromosome 13 open reading frame 10

[NPU47557](#)

DNA(spec.)—C13orf10 gene; seq.var. = ?

DNA(specification)—**C13orf11 gene;****sequence variation**

name of component: chromosome 13 open reading frame 11

[NPU47559](#)

DNA(spec.)—C13orf11 gene; seq.var. = ?

DNA(specification)—**C13orf12 gene;****sequence variation**

name of component: chromosome 13 open reading frame 12

[NPU47560](#)

DNA(spec.)—C13orf12 gene; seq.var. = ?

DNA(specification)—**C13orf17 gene;****sequence variation**

name of component: chromosome 13 open reading frame 17

[NPU47558](#)

DNA(spec.)—C13orf17 gene; seq.var. = ?

DNA(specification)—
C13orf18 gene;
sequence variation
name of component: chromosome 13 open reading
frame 18
[NPU47611](#)
DNA(spec.)—C13orf18 gene; seq.var. = ?

DNA(specification)—
C13orf2 gene;
sequence variation
name of component: chromosome 13 open reading
frame 2
[NPU42941](#)
DNA(spec.)—C13orf2 gene; seq.var. = ?

DNA(specification)—
C13orf3 gene;
sequence variation
name of component: chromosome 13 open reading
frame 3
[NPU47524](#)
DNA(spec.)—C13orf3 gene; seq.var. = ?

DNA(specification)—
C13orf7 gene;
sequence variation
name of component: chromosome 13 open reading
frame 7
[NPU47542](#)
DNA(spec.)—C13orf7 gene; seq.var. = ?

DNA(specification)—
C13orf8 gene;
sequence variation
name of component: chromosome 13 open reading
frame 8
[NPU47545](#)
DNA(spec.)—C13orf8 gene; seq.var. = ?

DNA(specification)—
C13orf9 gene;
sequence variation
name of component: chromosome 13 open reading
frame 9
[NPU47546](#)
DNA(spec.)—C13orf9 gene; seq.var. = ?

DNA(specification)—
C14orf1 gene;
sequence variation
name of component: chromosome 14 open reading
frame 1
[NPU30965](#)
DNA(spec.)—C14orf1 gene; seq.var. = ?

DNA(specification)—
C14orf10 gene;
sequence variation
name of component: chromosome 14 open reading
frame 10
[NPU46034](#)
DNA(spec.)—C14orf10 gene; seq.var. = ?

DNA(specification)—
C14orf100 gene;
sequence variation
name of component: chromosome 14 open reading
frame 100
[NPU47470](#)
DNA(spec.)—C14orf100 gene; seq.var. = ?

DNA(specification)—
C14orf101 gene;
sequence variation
name of component: chromosome 14 open reading
frame 101
[NPU47471](#)
DNA(spec.)—C14orf101 gene; seq.var. = ?

DNA(specification)—
C14orf102 gene;
sequence variation
name of component: chromosome 14 open reading
frame 102
[NPU47472](#)
DNA(spec.)—C14orf102 gene; seq.var. = ?

DNA(specification)—
C14orf103 gene;
sequence variation
name of component: chromosome 14 open reading
frame 103
[NPU47473](#)
DNA(spec.)—C14orf103 gene; seq.var. = ?

DNA(specification)—
C14orf104 gene;
sequence variation
name of component: chromosome 14 open reading
frame 104
[NPU47474](#)
DNA(spec.)—C14orf104 gene; seq.var. = ?

DNA(specification)—
C14orf105 gene;
sequence variation
name of component: chromosome 14 open reading
frame 105
[NPU47475](#)
DNA(spec.)—C14orf105 gene; seq.var. = ?

DNA(specification)—**C14orf106 gene;****sequence variation**

name of component: chromosome 14 open reading frame 106

[NPU47476](#)

DNA(spec.)—C14orf106 gene; seq.var. = ?

DNA(specification)—**C14orf107 gene;****sequence variation**

name of component: chromosome 14 open reading frame 107

[NPU47477](#)

DNA(spec.)—C14orf107 gene; seq.var. = ?

DNA(specification)—**C14orf108 gene;****sequence variation**

name of component: chromosome 14 open reading frame 108

[NPU47478](#)

DNA(spec.)—C14orf108 gene; seq.var. = ?

DNA(specification)—**C14orf109 gene;****sequence variation**

name of component: chromosome 14 open reading frame 109

[NPU47493](#)

DNA(spec.)—C14orf109 gene; seq.var. = ?

DNA(specification)—**C14orf11 gene;****sequence variation**

name of component: chromosome 14 open reading frame 11

[NPU46966](#)

DNA(spec.)—C14orf11 gene; seq.var. = ?

DNA(specification)—**C14orf110 gene;****sequence variation**

name of component: chromosome 14 open reading frame 110

[NPU47488](#)

DNA(spec.)—C14orf110 gene; seq.var. = ?

DNA(specification)—**C14orf111 gene;****sequence variation**

name of component: chromosome 14 open reading frame 111

[NPU47494](#)

DNA(spec.)—C14orf111 gene; seq.var. = ?

DNA(specification)—**C14orf112 gene;****sequence variation**

name of component: chromosome 14 open reading frame 112

[NPU47490](#)

DNA(spec.)—C14orf112 gene; seq.var. = ?

DNA(specification)—**C14orf113 gene;****sequence variation**

name of component: chromosome 14 open reading frame 113

[NPU47491](#)

DNA(spec.)—C14orf113 gene; seq.var. = ?

DNA(specification)—**C14orf114 gene;****sequence variation**

name of component: chromosome 14 open reading frame 114

[NPU47492](#)

DNA(spec.)—C14orf114 gene; seq.var. = ?

DNA(specification)—**C14orf115 gene;****sequence variation**

name of component: chromosome 14 open reading frame 115

[NPU47497](#)

DNA(spec.)—C14orf115 gene; seq.var. = ?

DNA(specification)—**C14orf116 gene;****sequence variation**

name of component: chromosome 14 open reading frame 116

[NPU47489](#)

DNA(spec.)—C14orf116 gene; seq.var. = ?

DNA(specification)—**C14orf117 gene;****sequence variation**

name of component: chromosome 14 open reading frame 117

[NPU47495](#)

DNA(spec.)—C14orf117 gene; seq.var. = ?

DNA(specification)—**C14orf118 gene;****sequence variation**

name of component: chromosome 14 open reading frame 118

[NPU47487](#)

DNA(spec.)—C14orf118 gene; seq.var. = ?

DNA(specification)—**C14orf119 gene;****sequence variation**

name of component: chromosome 14 open reading frame 119

[NPU47527](#)

DNA(spec.)—C14orf119 gene; seq.var. = ?

DNA(specification)—**C14orf120 gene;****sequence variation**

name of component: chromosome 14 open reading frame 120

[NPU47528](#)

DNA(spec.)—C14orf120 gene; seq.var. = ?

DNA(specification)—**C14orf121 gene;****sequence variation**

name of component: chromosome 14 open reading frame 121

[NPU47529](#)

DNA(spec.)—C14orf121 gene; seq.var. = ?

DNA(specification)—**C14orf122 gene;****sequence variation**

name of component: chromosome 14 open reading frame 122

[NPU47530](#)

DNA(spec.)—C14orf122 gene; seq.var. = ?

DNA(specification)—**C14orf123 gene;****sequence variation**

name of component: chromosome 14 open reading frame 123

[NPU47531](#)

DNA(spec.)—C14orf123 gene; seq.var. = ?

DNA(specification)—**C14orf124 gene;****sequence variation**

name of component: chromosome 14 open reading frame 124

[NPU47532](#)

DNA(spec.)—C14orf124 gene; seq.var. = ?

DNA(specification)—**C14orf125 gene;****sequence variation**

name of component: chromosome 14 open reading frame 125

[NPU47533](#)

DNA(spec.)—C14orf125 gene; seq.var. = ?

DNA(specification)—**C14orf126 gene;****sequence variation**

name of component: chromosome 14 open reading frame 126

[NPU47534](#)

DNA(spec.)—C14orf126 gene; seq.var. = ?

DNA(specification)—**C14orf127 gene;****sequence variation**

name of component: chromosome 14 open reading frame 127

[NPU47535](#)

DNA(spec.)—C14orf127 gene; seq.var. = ?

DNA(specification)—**C14orf128 gene;****sequence variation**

name of component: chromosome 14 open reading frame 128

[NPU47536](#)

DNA(spec.)—C14orf128 gene; seq.var. = ?

DNA(specification)—**C14orf129 gene;****sequence variation**

name of component: chromosome 14 open reading frame 129

[NPU47571](#)

DNA(spec.)—C14orf129 gene; seq.var. = ?

DNA(specification)—**C14orf130 gene;****sequence variation**

name of component: chromosome 14 open reading frame 130

[NPU47572](#)

DNA(spec.)—C14orf130 gene; seq.var. = ?

DNA(specification)—**C14orf131 gene;****sequence variation**

name of component: chromosome 14 open reading frame 131

[NPU47573](#)

DNA(spec.)—C14orf131 gene; seq.var. = ?

DNA(specification)—**C14orf132 gene;****sequence variation**

name of component: chromosome 14 open reading frame 132

[NPU47574](#)

DNA(spec.)—C14orf132 gene; seq.var. = ?

DNA(specification)—**C14orf133 gene;****sequence variation**

name of component: chromosome 14 open reading frame 133

[NPU47575](#)

DNA(spec.)—C14orf133 gene; seq.var. = ?

DNA(specification)—**C14orf134 gene;****sequence variation**

name of component: chromosome 14 open reading frame 134

[NPU47576](#)

DNA(spec.)—C14orf134 gene; seq.var. = ?

DNA(specification)—**C14orf135 gene;****sequence variation**

name of component: chromosome 14 open reading frame 135

[NPU47577](#)

DNA(spec.)—C14orf135 gene; seq.var. = ?

DNA(specification)—**C14orf136 gene;****sequence variation**

name of component: chromosome 14 open reading frame 136

[NPU47578](#)

DNA(spec.)—C14orf136 gene; seq.var. = ?

DNA(specification)—**C14orf137 gene;****sequence variation**

name of component: chromosome 14 open reading frame 137

[NPU47579](#)

DNA(spec.)—C14orf137 gene; seq.var. = ?

DNA(specification)—**C14orf138 gene;****sequence variation**

name of component: chromosome 14 open reading frame 138

[NPU47580](#)

DNA(spec.)—C14orf138 gene; seq.var. = ?

DNA(specification)—**C14orf139 gene;****sequence variation**

name of component: chromosome 14 open reading frame 139

[NPU47581](#)

DNA(spec.)—C14orf139 gene; seq.var. = ?

DNA(specification)—**C14orf140 gene;****sequence variation**

name of component: chromosome 14 open reading frame 140

[NPU47582](#)

DNA(spec.)—C14orf140 gene; seq.var. = ?

DNA(specification)—**C14orf141 gene;****sequence variation**

name of component: chromosome 14 open reading frame 141

[NPU47583](#)

DNA(spec.)—C14orf141 gene; seq.var. = ?

DNA(specification)—**C14orf142 gene;****sequence variation**

name of component: chromosome 14 open reading frame 142

[NPU47584](#)

DNA(spec.)—C14orf142 gene; seq.var. = ?

DNA(specification)—**C14orf143 gene;****sequence variation**

name of component: chromosome 14 open reading frame 143

[NPU47585](#)

DNA(spec.)—C14orf143 gene; seq.var. = ?

DNA(specification)—**C14orf144 gene;****sequence variation**

name of component: chromosome 14 open reading frame 144

[NPU47586](#)

DNA(spec.)—C14orf144 gene; seq.var. = ?

DNA(specification)—**C14orf145 gene;****sequence variation**

name of component: chromosome 14 open reading frame 145

[NPU47587](#)

DNA(spec.)—C14orf145 gene; seq.var. = ?

DNA(specification)—**C14orf146 gene;****sequence variation**

name of component: chromosome 14 open reading frame 146

[NPU47588](#)

DNA(spec.)—C14orf146 gene; seq.var. = ?

DNA(specification)—**C14orf147 gene;****sequence variation**

name of component: chromosome 14 open reading frame 147

[NPU47589](#)

DNA(spec.)—C14orf147 gene; seq.var. = ?

DNA(specification)—**C14orf163 gene;****sequence variation**

name of component: chromosome 14 open reading frame 163

[NPU47736](#)

DNA(spec.)—C14orf163 gene; seq.var. = ?

DNA(specification)—**C14orf19 gene;****sequence variation**

name of component: chromosome 14 open reading frame 19

[NPU47162](#)

DNA(spec.)—C14orf19 gene; seq.var. = ?

DNA(specification)—**C14orf2 gene;****sequence variation**

name of component: chromosome 14 open reading frame 2

[NPU30966](#)

DNA(spec.)—C14orf2 gene; seq.var. = ?

DNA(specification)—**C14orf20 gene;****sequence variation**

name of component: chromosome 14 open reading frame 20

[NPU47246](#)

DNA(spec.)—C14orf20 gene; seq.var. = ?

DNA(specification)—**C14orf21 gene;****sequence variation**

name of component: chromosome 14 open reading frame 21

[NPU47247](#)

DNA(spec.)—C14orf21 gene; seq.var. = ?

DNA(specification)—**C14orf22 gene;****sequence variation**

name of component: chromosome 14 open reading frame 22

[NPU47248](#)

DNA(spec.)—C14orf22 gene; seq.var. = ?

DNA(specification)—**C14orf23 gene;****sequence variation**

name of component: chromosome 14 open reading frame 23

[NPU47249](#)

DNA(spec.)—C14orf23 gene; seq.var. = ?

DNA(specification)—**C14orf24 gene;****sequence variation**

name of component: chromosome 14 open reading frame 24

[NPU47250](#)

DNA(spec.)—C14orf24 gene; seq.var. = ?

DNA(specification)—**C14orf25 gene;****sequence variation**

name of component: chromosome 14 open reading frame 25

[NPU47251](#)

DNA(spec.)—C14orf25 gene; seq.var. = ?

DNA(specification)—**C14orf26 gene;****sequence variation**

name of component: chromosome 14 open reading frame 26

[NPU47252](#)

DNA(spec.)—C14orf26 gene; seq.var. = ?

DNA(specification)—**C14orf27 gene;****sequence variation**

name of component: chromosome 14 open reading frame 27

[NPU47253](#)

DNA(spec.)—C14orf27 gene; seq.var. = ?

DNA(specification)—**C14orf28 gene;****sequence variation**

name of component: chromosome 14 open reading frame 28

[NPU47255](#)

DNA(spec.)—C14orf28 gene; seq.var. = ?

DNA(specification)—**C14orf29 gene;****sequence variation**

name of component: chromosome 14 open reading frame 29

[NPU47258](#)

DNA(spec.)—C14orf29 gene; seq.var. = ?

DNA(specification)—
C14orf30 gene;
sequence variation
name of component: chromosome 14 open reading
frame 30
[NPU47259](#)
DNA(spec.)—C14orf30 gene; seq.var. = ?

DNA(specification)—
C14orf31 gene;
sequence variation
name of component: chromosome 14 open reading
frame 31
[NPU47260](#)
DNA(spec.)—C14orf31 gene; seq.var. = ?

DNA(specification)—
C14orf32 gene;
sequence variation
name of component: chromosome 14 open reading
frame 32
[NPU47261](#)
DNA(spec.)—C14orf32 gene; seq.var. = ?

DNA(specification)—
C14orf33 gene;
sequence variation
name of component: chromosome 14 open reading
frame 33
[NPU47263](#)
DNA(spec.)—C14orf33 gene; seq.var. = ?

DNA(specification)—
C14orf34 gene;
sequence variation
name of component: chromosome 14 open reading
frame 34
[NPU47264](#)
DNA(spec.)—C14orf34 gene; seq.var. = ?

DNA(specification)—
C14orf35 gene;
sequence variation
name of component: chromosome 14 open reading
frame 35
[NPU47265](#)
DNA(spec.)—C14orf35 gene; seq.var. = ?

DNA(specification)—
C14orf36 gene;
sequence variation
name of component: chromosome 14 open reading
frame 36
[NPU47266](#)
DNA(spec.)—C14orf36 gene; seq.var. = ?

DNA(specification)—
C14orf37 gene;
sequence variation
name of component: chromosome 14 open reading
frame 37
[NPU47267](#)
DNA(spec.)—C14orf37 gene; seq.var. = ?

DNA(specification)—
C14orf38 gene;
sequence variation
name of component: chromosome 14 open reading
frame 38
[NPU47268](#)
DNA(spec.)—C14orf38 gene; seq.var. = ?

DNA(specification)—
C14orf39 gene;
sequence variation
name of component: chromosome 14 open reading
frame 39
[NPU47270](#)
DNA(spec.)—C14orf39 gene; seq.var. = ?

DNA(specification)—
C14orf4 gene;
sequence variation
name of component: chromosome 14 open reading
frame 4
[NPU42645](#)
DNA(spec.)—C14orf4 gene; seq.var. = ?

DNA(specification)—
C14orf40 gene;
sequence variation
name of component: chromosome 14 open reading
frame 40
[NPU47271](#)
DNA(spec.)—C14orf40 gene; seq.var. = ?

DNA(specification)—
C14orf41 gene;
sequence variation
name of component: chromosome 14 open reading
frame 41
[NPU47272](#)
DNA(spec.)—C14orf41 gene; seq.var. = ?

DNA(specification)—
C14orf42 gene;
sequence variation
name of component: chromosome 14 open reading
frame 42
[NPU47273](#)
DNA(spec.)—C14orf42 gene; seq.var. = ?

DNA(specification)—**C14orf43 gene;****sequence variation**

name of component: chromosome 14 open reading frame 43

[NPU47274](#)

DNA(spec.)—C14orf43 gene; seq.var. = ?

DNA(specification)—**C14orf44 gene;****sequence variation**

name of component: chromosome 14 open reading frame 44

[NPU47275](#)

DNA(spec.)—C14orf44 gene; seq.var. = ?

DNA(specification)—**C14orf45 gene;****sequence variation**

name of component: chromosome 14 open reading frame 45

[NPU47276](#)

DNA(spec.)—C14orf45 gene; seq.var. = ?

DNA(specification)—**C14orf46 gene;****sequence variation**

name of component: chromosome 14 open reading frame 46

[NPU47277](#)

DNA(spec.)—C14orf46 gene; seq.var. = ?

DNA(specification)—**C14orf47 gene;****sequence variation**

name of component: chromosome 14 open reading frame 47

[NPU47280](#)

DNA(spec.)—C14orf47 gene; seq.var. = ?

DNA(specification)—**C14orf48 gene;****sequence variation**

name of component: chromosome 14 open reading frame 48

[NPU47281](#)

DNA(spec.)—C14orf48 gene; seq.var. = ?

DNA(specification)—**C14orf49 gene;****sequence variation**

name of component: chromosome 14 open reading frame 49

[NPU47282](#)

DNA(spec.)—C14orf49 gene; seq.var. = ?

DNA(specification)—**C14orf50 gene;****sequence variation**

name of component: chromosome 14 open reading frame 50

[NPU47404](#)

DNA(spec.)—C14orf50 gene; seq.var. = ?

DNA(specification)—**C14orf51 gene;****sequence variation**

name of component: chromosome 14 open reading frame 51

[NPU47405](#)

DNA(spec.)—C14orf51 gene; seq.var. = ?

DNA(specification)—**C14orf52 gene;****sequence variation**

name of component: chromosome 14 open reading frame 52

[NPU47406](#)

DNA(spec.)—C14orf52 gene; seq.var. = ?

DNA(specification)—**C14orf53 gene;****sequence variation**

name of component: chromosome 14 open reading frame 53

[NPU47407](#)

DNA(spec.)—C14orf53 gene; seq.var. = ?

DNA(specification)—**C14orf54 gene;****sequence variation**

name of component: chromosome 14 open reading frame 54

[NPU47408](#)

DNA(spec.)—C14orf54 gene; seq.var. = ?

DNA(specification)—**C14orf55 gene;****sequence variation**

name of component: chromosome 14 open reading frame 55

[NPU47409](#)

DNA(spec.)—C14orf55 gene; seq.var. = ?

DNA(specification)—**C14orf56 gene;****sequence variation**

name of component: chromosome 14 open reading frame 56

[NPU47410](#)

DNA(spec.)—C14orf56 gene; seq.var. = ?

DNA(specification)—
C14orf57 gene;
sequence variation
name of component: chromosome 14 open reading
frame 57
[NPU47411](#)
DNA(spec.)—C14orf57 gene; seq.var. = ?

DNA(specification)—
C14orf58 gene;
sequence variation
name of component: chromosome 14 open reading
frame 58
[NPU47412](#)
DNA(spec.)—C14orf58 gene; seq.var. = ?

DNA(specification)—
C14orf59 gene;
sequence variation
name of component: chromosome 14 open reading
frame 59
[NPU47413](#)
DNA(spec.)—C14orf59 gene; seq.var. = ?

DNA(specification)—
C14orf6 gene;
sequence variation
name of component: chromosome 14 open reading
frame 6
[NPU46949](#)
DNA(spec.)—C14orf6 gene; seq.var. = ?

DNA(specification)—
C14orf60 gene;
sequence variation
name of component: chromosome 14 open reading
frame 60
[NPU47414](#)
DNA(spec.)—C14orf60 gene; seq.var. = ?

DNA(specification)—
C14orf61 gene;
sequence variation
name of component: chromosome 14 open reading
frame 61
[NPU47415](#)
DNA(spec.)—C14orf61 gene; seq.var. = ?

DNA(specification)—
C14orf62 gene;
sequence variation
name of component: chromosome 14 open reading
frame 62
[NPU47416](#)
DNA(spec.)—C14orf62 gene; seq.var. = ?

DNA(specification)—
C14orf63 gene;
sequence variation
name of component: chromosome 14 open reading
frame 63
[NPU47417](#)
DNA(spec.)—C14orf63 gene; seq.var. = ?

DNA(specification)—
C14orf64 gene;
sequence variation
name of component: chromosome 14 open reading
frame 64
[NPU47418](#)
DNA(spec.)—C14orf64 gene; seq.var. = ?

DNA(specification)—
C14orf65 gene;
sequence variation
name of component: chromosome 14 open reading
frame 65
[NPU47419](#)
DNA(spec.)—C14orf65 gene; seq.var. = ?

DNA(specification)—
C14orf66 gene;
sequence variation
name of component: chromosome 14 open reading
frame 66
[NPU47420](#)
DNA(spec.)—C14orf66 gene; seq.var. = ?

DNA(specification)—
C14orf67 gene;
sequence variation
name of component: chromosome 14 open reading
frame 67
[NPU47421](#)
DNA(spec.)—C14orf67 gene; seq.var. = ?

DNA(specification)—
C14orf68 gene;
sequence variation
name of component: chromosome 14 open reading
frame 68
[NPU47422](#)
DNA(spec.)—C14orf68 gene; seq.var. = ?

DNA(specification)—
C14orf69 gene;
sequence variation
name of component: chromosome 14 open reading
frame 69
[NPU47423](#)
DNA(spec.)—C14orf69 gene; seq.var. = ?

DNA(specification)—
C14orf70 gene;
sequence variation
name of component: chromosome 14 open reading
frame 70
[NPU47424](#)
DNA(spec.)—C14orf70 gene; seq.var. = ?

DNA(specification)—
C14orf71 gene;
sequence variation
name of component: chromosome 14 open reading
frame 71
[NPU47425](#)
DNA(spec.)—C14orf71 gene; seq.var. = ?

DNA(specification)—
C14orf72 gene;
sequence variation
name of component: chromosome 14 open reading
frame 72
[NPU47426](#)
DNA(spec.)—C14orf72 gene; seq.var. = ?

DNA(specification)—
C14orf73 gene;
sequence variation
name of component: chromosome 14 open reading
frame 73
[NPU47427](#)
DNA(spec.)—C14orf73 gene; seq.var. = ?

DNA(specification)—
C14orf74 gene;
sequence variation
name of component: chromosome 14 open reading
frame 74
[NPU47428](#)
DNA(spec.)—C14orf74 gene; seq.var. = ?

DNA(specification)—
C14orf75 gene;
sequence variation
name of component: chromosome 14 open reading
frame 75
[NPU47429](#)
DNA(spec.)—C14orf75 gene; seq.var. = ?

DNA(specification)—
C14orf76 gene;
sequence variation
name of component: chromosome 14 open reading
frame 76
[NPU47430](#)
DNA(spec.)—C14orf76 gene; seq.var. = ?

DNA(specification)—
C14orf77 gene;
sequence variation
name of component: chromosome 14 open reading
frame 77
[NPU47431](#)
DNA(spec.)—C14orf77 gene; seq.var. = ?

DNA(specification)—
C14orf78 gene;
sequence variation
name of component: chromosome 14 open reading
frame 78
[NPU47432](#)
DNA(spec.)—C14orf78 gene; seq.var. = ?

DNA(specification)—
C14orf79 gene;
sequence variation
name of component: chromosome 14 open reading
frame 79
[NPU47433](#)
DNA(spec.)—C14orf79 gene; seq.var. = ?

DNA(specification)—
C14orf80 gene;
sequence variation
name of component: chromosome 14 open reading
frame 80
[NPU47434](#)
DNA(spec.)—C14orf80 gene; seq.var. = ?

DNA(specification)—
C14orf81 gene;
sequence variation
name of component: chromosome 14 open reading
frame 81
[NPU47435](#)
DNA(spec.)—C14orf81 gene; seq.var. = ?

DNA(specification)—
C14orf82 gene;
sequence variation
name of component: chromosome 14 open reading
frame 82
[NPU47436](#)
DNA(spec.)—C14orf82 gene; seq.var. = ?

DNA(specification)—
C14orf83 gene;
sequence variation
name of component: chromosome 14 open reading
frame 83
[NPU47437](#)
DNA(spec.)—C14orf83 gene; seq.var. = ?

DNA(specification)—
C14orf84 gene;
sequence variation
name of component: chromosome 14 open reading
frame 84
[NPU47438](#)
DNA(spec.)—C14orf84 gene; seq.var. = ?

DNA(specification)—
C14orf85 gene;
sequence variation
name of component: chromosome 14 open reading
frame 85
[NPU47439](#)
DNA(spec.)—C14orf85 gene; seq.var. = ?

DNA(specification)—
C14orf86 gene;
sequence variation
name of component: chromosome 14 open reading
frame 86
[NPU47440](#)
DNA(spec.)—C14orf86 gene; seq.var. = ?

DNA(specification)—
C14orf87 gene;
sequence variation
name of component: chromosome 14 open reading
frame 87
[NPU47441](#)
DNA(spec.)—C14orf87 gene; seq.var. = ?

DNA(specification)—
C14orf88 gene;
sequence variation
name of component: chromosome 14 open reading
frame 88
[NPU47442](#)
DNA(spec.)—C14orf88 gene; seq.var. = ?

DNA(specification)—
C14orf9 gene;
sequence variation
name of component: chromosome 14 open reading
frame 9
[NPU46959](#)
DNA(spec.)—C14orf9 gene; seq.var. = ?

DNA(specification)—
C14orf90 gene;
sequence variation
name of component: chromosome 14 open reading
frame 90
[NPU47443](#)
DNA(spec.)—C14orf90 gene; seq.var. = ?

DNA(specification)—
C14orf91 gene;
sequence variation
name of component: chromosome 14 open reading
frame 91
[NPU47444](#)
DNA(spec.)—C14orf91 gene; seq.var. = ?

DNA(specification)—
C14orf92 gene;
sequence variation
name of component: chromosome 14 open reading
frame 92
[NPU47462](#)
DNA(spec.)—C14orf92 gene; seq.var. = ?

DNA(specification)—
C14orf93 gene;
sequence variation
name of component: chromosome 14 open reading
frame 93
[NPU47463](#)
DNA(spec.)—C14orf93 gene; seq.var. = ?

DNA(specification)—
C14orf94 gene;
sequence variation
name of component: chromosome 14 open reading
frame 94
[NPU47464](#)
DNA(spec.)—C14orf94 gene; seq.var. = ?

DNA(specification)—
C14orf95 gene;
sequence variation
name of component: chromosome 14 open reading
frame 95
[NPU47459](#)
DNA(spec.)—C14orf95 gene; seq.var. = ?

DNA(specification)—
C14orf97 gene;
sequence variation
name of component: chromosome 14 open reading
frame 97
[NPU47465](#)
DNA(spec.)—C14orf97 gene; seq.var. = ?

DNA(specification)—
C14orf98 gene;
sequence variation
name of component: chromosome 14 open reading
frame 98
[NPU47466](#)
DNA(spec.)—C14orf98 gene; seq.var. = ?

DNA(specification)—
C14orf99 gene;
sequence variation
name of component: chromosome 14 open reading
frame 99
[NPU47467](#)
DNA(spec.)—C14orf99 gene; seq.var. = ?

DNA(specification)—
C15orf12 gene;
sequence variation
name of component: chromosome 15 open reading
frame 12
[NPU42811](#)
DNA(spec.)—C15orf12 gene; seq.var. = ?

DNA(specification)—
C15orf13 gene;
sequence variation
name of component: chromosome 15 open reading
frame 13
[NPU46300](#)
DNA(spec.)—C15orf13 gene; seq.var. = ?

DNA(specification)—
C15orf15 gene;
sequence variation
name of component: chromosome 15 open reading
frame 15
[NPU46487](#)
DNA(spec.)—C15orf15 gene; seq.var. = ?

DNA(specification)—
C15orf16 gene;
sequence variation
name of component: chromosome 15 open reading
frame 16
[NPU47730](#)
DNA(spec.)—C15orf16 gene; seq.var. = ?

DNA(specification)—
C15orf2 gene;
sequence variation
name of component: chromosome 15 open reading
frame 2
[NPU30968](#)
DNA(spec.)—C15orf2 gene; seq.var. = ?

DNA(specification)—
C15orf5 gene;
sequence variation
name of component: chromosome 15 open reading
frame 5
[NPU30971](#)
DNA(spec.)—C15orf5 gene; seq.var. = ?

DNA(specification)—
C15orf6 gene;
sequence variation
name of component: chromosome 15 open reading
frame 6
[NPU30972](#)
DNA(spec.)—C15orf6 gene; seq.var. = ?

DNA(specification)—
C16orf10 gene;
sequence variation
name of component: chromosome 16 open reading
frame 10
[NPU42533](#)
DNA(spec.)—C16orf10 gene; seq.var. = ?

DNA(specification)—
C16orf11 gene;
sequence variation
name of component: chromosome 16 open reading
frame 11
[NPU42534](#)
DNA(spec.)—C16orf11 gene; seq.var. = ?

DNA(specification)—
C16orf12 gene;
sequence variation
name of component: chromosome 16 open reading
frame 12
[NPU42535](#)
DNA(spec.)—C16orf12 gene; seq.var. = ?

DNA(specification)—
C16orf13 gene;
sequence variation
name of component: chromosome 16 open reading
frame 13
[NPU42536](#)
DNA(spec.)—C16orf13 gene; seq.var. = ?

DNA(specification)—
C16orf14 gene;
sequence variation
name of component: chromosome 16 open reading
frame 14
[NPU42537](#)
DNA(spec.)—C16orf14 gene; seq.var. = ?

DNA(specification)—
C16orf15 gene;
sequence variation
name of component: chromosome 16 open reading
frame 15
[NPU42538](#)
DNA(spec.)—C16orf15 gene; seq.var. = ?

DNA(specification)—
C16orf16 gene;
sequence variation
name of component: chromosome 16 open reading
frame 16
[NPU42539](#)
DNA(spec.)—C16orf16 gene; seq.var. = ?

DNA(specification)—
C16orf17 gene;
sequence variation
name of component: chromosome 16 open reading
frame 17
[NPU42540](#)
DNA(spec.)—C16orf17 gene; seq.var. = ?

DNA(specification)—
C16orf18 gene;
sequence variation
name of component: chromosome 16 open reading
frame 18
[NPU42541](#)
DNA(spec.)—C16orf18 gene; seq.var. = ?

DNA(specification)—
C16orf19 gene;
sequence variation
name of component: chromosome 16 open reading
frame 19
[NPU42542](#)
DNA(spec.)—C16orf19 gene; seq.var. = ?

DNA(specification)—
C16orf2 gene;
sequence variation
name of component: chromosome 16 open reading
frame 2
[NPU30973](#)
DNA(spec.)—C16orf2 gene; seq.var. = ?

DNA(specification)—
C16orf20 gene;
sequence variation
name of component: chromosome 16 open reading
frame 20
[NPU42543](#)
DNA(spec.)—C16orf20 gene; seq.var. = ?

DNA(specification)—
C16orf21 gene;
sequence variation
name of component: chromosome 16 open reading
frame 21
[NPU42544](#)
DNA(spec.)—C16orf21 gene; seq.var. = ?

DNA(specification)—
C16orf22 gene;
sequence variation
name of component: chromosome 16 open reading
frame 22
[NPU42545](#)
DNA(spec.)—C16orf22 gene; seq.var. = ?

DNA(specification)—
C16orf23 gene;
sequence variation
name of component: chromosome 16 open reading
frame 23
[NPU42546](#)
DNA(spec.)—C16orf23 gene; seq.var. = ?

DNA(specification)—
C16orf24 gene;
sequence variation
name of component: chromosome 16 open reading
frame 24
[NPU42547](#)
DNA(spec.)—C16orf24 gene; seq.var. = ?

DNA(specification)—
C16orf25 gene;
sequence variation
name of component: chromosome 16 open reading
frame 25
[NPU42548](#)
DNA(spec.)—C16orf25 gene; seq.var. = ?

DNA(specification)—
C16orf26 gene;
sequence variation
name of component: chromosome 16 open reading
frame 26
[NPU42549](#)
DNA(spec.)—C16orf26 gene; seq.var. = ?

DNA(specification)—
C16orf27 gene;
sequence variation
name of component: chromosome 16 open reading
frame 27
[NPU42550](#)
DNA(spec.)—C16orf27 gene; seq.var. = ?

DNA(specification)—
C16orf28 gene;
sequence variation
name of component: chromosome 16 open reading
frame 28
[NPU42551](#)
DNA(spec.)—C16orf28 gene; seq.var. = ?

DNA(specification)—**C16orf29 gene;****sequence variation**

name of component: chromosome 16 open reading frame 29

[NPU42552](#)

DNA(spec.)—C16orf29 gene; seq.var. = ?

DNA(specification)—**C16orf3 gene;****sequence variation**

name of component: chromosome 16 open reading frame 3

[NPU30974](#)

DNA(spec.)—C16orf3 gene; seq.var. = ?

DNA(specification)—**C16orf30 gene;****sequence variation**

name of component: chromosome 16 open reading frame 30

[NPU42553](#)

DNA(spec.)—C16orf30 gene; seq.var. = ?

DNA(specification)—**C16orf31 gene;****sequence variation**

name of component: chromosome 16 open reading frame 31

[NPU42554](#)

DNA(spec.)—C16orf31 gene; seq.var. = ?

DNA(specification)—**C16orf32 gene;****sequence variation**

name of component: chromosome 16 open reading frame 32

[NPU42555](#)

DNA(spec.)—C16orf32 gene; seq.var. = ?

DNA(specification)—**C16orf33 gene;****sequence variation**

name of component: chromosome 16 open reading frame 33

[NPU42556](#)

DNA(spec.)—C16orf33 gene; seq.var. = ?

DNA(specification)—**C16orf34 gene;****sequence variation**

name of component: chromosome 16 open reading frame 34

[NPU42532](#)

DNA(spec.)—C16orf34 gene; seq.var. = ?

DNA(specification)—**C16orf35 gene;****sequence variation**

name of component: chromosome 16 open reading frame 35

[NPU42523](#)

DNA(spec.)—C16orf35 gene; seq.var. = ?

DNA(specification)—**C16orf36 gene;****sequence variation**

name of component: chromosome 16 open reading frame 36

[NPU42561](#)

DNA(spec.)—C16orf36 gene; seq.var. = ?

DNA(specification)—**C16orf37 gene;****sequence variation**

name of component: chromosome 16 open reading frame 37

[NPU42562](#)

DNA(spec.)—C16orf37 gene; seq.var. = ?

DNA(specification)—**C16orf38 gene;****sequence variation**

name of component: chromosome 16 open reading frame 38

[NPU42563](#)

DNA(spec.)—C16orf38 gene; seq.var. = ?

DNA(specification)—**C16orf39 gene;****sequence variation**

name of component: chromosome 16 open reading frame 39

[NPU42564](#)

DNA(spec.)—C16orf39 gene; seq.var. = ?

DNA(specification)—**C16orf4 gene;****sequence variation**

name of component: chromosome 16 open reading frame 4

[NPU30975](#)

DNA(spec.)—C16orf4 gene; seq.var. = ?

DNA(specification)—**C16orf40 gene;****sequence variation**

name of component: chromosome 16 open reading frame 40

[NPU42565](#)

DNA(spec.)—C16orf40 gene; seq.var. = ?

DNA(specification)—
C16orf41 gene;
sequence variation
name of component: chromosome 16 open reading
frame 41
[NPU42566](#)
DNA(spec.)—C16orf41 gene; seq.var. = ?

DNA(specification)—
C16orf42 gene;
sequence variation
name of component: chromosome 16 open reading
frame 42
[NPU42567](#)
DNA(spec.)—C16orf42 gene; seq.var. = ?

DNA(specification)—
C16orf43 gene;
sequence variation
name of component: chromosome 16 open reading
frame 43
[NPU42568](#)
DNA(spec.)—C16orf43 gene; seq.var. = ?

DNA(specification)—
C16orf44 gene;
sequence variation
name of component: chromosome 16 open reading
frame 44
[NPU46141](#)
DNA(spec.)—C16orf44 gene; seq.var. = ?

DNA(specification)—
C16orf6 gene;
sequence variation
name of component: chromosome 16 open reading
frame 6
[NPU30976](#)
DNA(spec.)—C16orf6 gene; seq.var. = ?

DNA(specification)—
C16orf7 gene;
sequence variation
name of component: chromosome 16 open reading
frame 7
[NPU42170](#)
DNA(spec.)—C16orf7 gene; seq.var. = ?

DNA(specification)—
C16orf8 gene;
sequence variation
name of component: chromosome 16 open reading
frame 8
[NPU42557](#)
DNA(spec.)—C16orf8 gene; seq.var. = ?

DNA(specification)—
C16orf9 gene;
sequence variation
name of component: chromosome 16 open reading
frame 9
[NPU42558](#)
DNA(spec.)—C16orf9 gene; seq.var. = ?

DNA(specification)—
C17orf10 gene;
sequence variation
name of component: chromosome 17 open reading
frame 10
[NPU30977](#)
DNA(spec.)—C17orf10 gene; seq.var. = ?

DNA(specification)—
C17orf11 gene;
sequence variation
name of component: chromosome 17 open reading
frame 11
[NPU30978](#)
DNA(spec.)—C17orf11 gene; seq.var. = ?

DNA(specification)—
C17orf12 gene;
sequence variation
name of component: chromosome 17 open reading
frame 12
[NPU30979](#)
DNA(spec.)—C17orf12 gene; seq.var. = ?

DNA(specification)—
C17orf13 gene;
sequence variation
name of component: chromosome 17 open reading
frame 13
[NPU30980](#)
DNA(spec.)—C17orf13 gene; seq.var. = ?

DNA(specification)—
C17orf14 gene;
sequence variation
name of component: chromosome 17 open reading
frame 14
[NPU30981](#)
DNA(spec.)—C17orf14 gene; seq.var. = ?

DNA(specification)—
C17orf15 gene;
sequence variation
name of component: chromosome 17 open reading
frame 15
[NPU30982](#)
DNA(spec.)—C17orf15 gene; seq.var. = ?

DNA(specification)—**C17orf16 gene;****sequence variation**

name of component: chromosome 17 open reading frame 16

[NPU30983](#)

DNA(spec.)—C17orf16 gene; seq.var. = ?

DNA(specification)—**C17orf17 gene;****sequence variation**

name of component: chromosome 17 open reading frame 17

[NPU30984](#)

DNA(spec.)—C17orf17 gene; seq.var. = ?

DNA(specification)—**C17orf18 gene;****sequence variation**

name of component: chromosome 17 open reading frame 18

[NPU30985](#)

DNA(spec.)—C17orf18 gene; seq.var. = ?

DNA(specification)—**C17orf19 gene;****sequence variation**

name of component: chromosome 17 open reading frame 19

[NPU30986](#)

DNA(spec.)—C17orf19 gene; seq.var. = ?

DNA(specification)—**C17orf1A gene;****sequence variation**

name of component: chromosome 17 open reading frame 1A

[NPU30987](#)

DNA(spec.)—C17orf1A gene; seq.var. = ?

DNA(specification)—**C17orf2 gene;****sequence variation**

name of component: chromosome 17 open reading frame 2

[NPU30989](#)

DNA(spec.)—C17orf2 gene; seq.var. = ?

DNA(specification)—**C17orf20 gene;****sequence variation**

name of component: chromosome 17 open reading frame 20

[NPU30990](#)

DNA(spec.)—C17orf20 gene; seq.var. = ?

DNA(specification)—**C17orf21 gene;****sequence variation**

name of component: chromosome 17 open reading frame 21

[NPU30991](#)

DNA(spec.)—C17orf21 gene; seq.var. = ?

DNA(specification)—**C17orf22 gene;****sequence variation**

name of component: chromosome 17 open reading frame 22

[NPU30992](#)

DNA(spec.)—C17orf22 gene; seq.var. = ?

DNA(specification)—**C17orf23 gene;****sequence variation**

name of component: chromosome 17 open reading frame 23

[NPU30993](#)

DNA(spec.)—C17orf23 gene; seq.var. = ?

DNA(specification)—**C17orf26 gene;****sequence variation**

name of component: chromosome 17 open reading frame 26

[NPU42777](#)

DNA(spec.)—C17orf26 gene; seq.var. = ?

DNA(specification)—**C17orf27 gene;****sequence variation**

name of component: chromosome 17 open reading frame 27

[NPU42846](#)

DNA(spec.)—C17orf27 gene; seq.var. = ?

DNA(specification)—**C17orf28 gene;****sequence variation**

name of component: chromosome 17 open reading frame 28

[NPU43860](#)

DNA(spec.)—C17orf28 gene; seq.var. = ?

DNA(specification)—**C17orf31 gene;****sequence variation**

name of component: chromosome 17 open reading frame 31

[NPU46109](#)

DNA(spec.)—C17orf31 gene; seq.var. = ?

DNA(specification)—
C17orf32 gene;
sequence variation
name of component: chromosome 17 open reading
frame 32
[NPU46274](#)
DNA(spec.)—C17orf32 gene; seq.var. = ?

DNA(specification)—
C17orf33 gene;
sequence variation
name of component: chromosome 17 open reading
frame 33
[NPU46351](#)
DNA(spec.)—C17orf33 gene; seq.var. = ?

DNA(specification)—
C17orf35 gene;
sequence variation
name of component: chromosome 17 open reading
frame 35
[NPU44722](#)
DNA(spec.)—C17orf35 gene; seq.var. = ?

DNA(specification)—
C17orf4 gene;
sequence variation
name of component: chromosome 17 open reading
frame 4
[NPU30994](#)
DNA(spec.)—C17orf4 gene; seq.var. = ?

DNA(specification)—
C17orf5 gene;
sequence variation
name of component: chromosome 17 open reading
frame 5
[NPU30995](#)
DNA(spec.)—C17orf5 gene; seq.var. = ?

DNA(specification)—
C17orf6 gene;
sequence variation
name of component: chromosome 17 open reading
frame 6
[NPU30996](#)
DNA(spec.)—C17orf6 gene; seq.var. = ?

DNA(specification)—
C17orf7 gene;
sequence variation
name of component: chromosome 17 open reading
frame 7
[NPU30997](#)
DNA(spec.)—C17orf7 gene; seq.var. = ?

DNA(specification)—
C17orf8 gene;
sequence variation
name of component: chromosome 17 open reading
frame 8
[NPU30998](#)
DNA(spec.)—C17orf8 gene; seq.var. = ?

DNA(specification)—
C17orf9 gene;
sequence variation
name of component: chromosome 17 open reading
frame 9
[NPU30999](#)
DNA(spec.)—C17orf9 gene; seq.var. = ?

DNA(specification)—
C18orf1 gene;
sequence variation
name of component: chromosome 18 open reading
frame 1
[NPU31000](#)
DNA(spec.)—C18orf1 gene; seq.var. = ?

DNA(specification)—
C18orf2 gene;
sequence variation
name of component: chromosome 18 open reading
frame 2
[NPU31001](#)
DNA(spec.)—C18orf2 gene; seq.var. = ?

DNA(specification)—
C18orf3 gene;
sequence variation
name of component: chromosome 18 open reading
frame 3
[NPU42586](#)
DNA(spec.)—C18orf3 gene; seq.var. = ?

DNA(specification)—
C18orf4 gene;
sequence variation
name of component: chromosome 18 open reading
frame 4
[NPU46322](#)
DNA(spec.)—C18orf4 gene; seq.var. = ?

DNA(specification)—
C19orf2 gene;
sequence variation
name of component: chromosome 19 open reading
frame 2
[NPU42057](#)
DNA(spec.)—C19orf2 gene; seq.var. = ?

DNA(specification)—**C19orf4 gene;****sequence variation**

name of component: chromosome 19 open reading frame 4

[NPU42058](#)

DNA(spec.)—C19orf4 gene; seq.var. = ?

DNA(specification)—**C19orf6 gene;****sequence variation**

name of component: chromosome 19 open reading frame 6

[NPU44825](#)

DNA(spec.)—C19orf6 gene; seq.var. = ?

DNA(specification)—**C19orf7 gene;****sequence variation**

name of component: chromosome 19 open reading frame 7

[NPU46108](#)

DNA(spec.)—C19orf7 gene; seq.var. = ?

DNA(specification)—**C19orf8 gene;****sequence variation**

name of component: chromosome 19 open reading frame 8

[NPU46201](#)

DNA(spec.)—C19orf8 gene; seq.var. = ?

DNA(specification)—**C19orf9 gene;****sequence variation**

name of component: chromosome 19 open reading frame 9

[NPU47468](#)

DNA(spec.)—C19orf9 gene; seq.var. = ?

DNA(specification)—**C1HR gene;****sequence variation**

name of component: C1AGOH temperature sensitivity complementing

[NPU31003](#)

DNA(spec.)—C1HR gene; seq.var. = ?

DNA(specification)—**C1orf1 gene;****sequence variation**

name of component: chromosome 1 open reading frame 1

[NPU31004](#)

DNA(spec.)—C1orf1 gene; seq.var. = ?

DNA(specification)—**C1orf10 gene;****sequence variation**

name of component: chromosome 1 open reading frame 10

[NPU31005](#)

DNA(spec.)—C1orf10 gene; seq.var. = ?

DNA(specification)—**C1orf13 gene;****sequence variation**

name of component: chromosome 1 open reading frame 13

[NPU44686](#)

DNA(spec.)—C1orf13 gene; seq.var. = ?

DNA(specification)—**C1orf14 gene;****sequence variation**

name of component: chromosome 1 open reading frame 14

[NPU44693](#)

DNA(spec.)—C1orf14 gene; seq.var. = ?

DNA(specification)—**C1orf16 gene;****sequence variation**

name of component: chromosome 1 open reading frame 16

[NPU44697](#)

DNA(spec.)—C1orf16 gene; seq.var. = ?

DNA(specification)—**C1orf17 gene;****sequence variation**

name of component: chromosome 1 open reading frame 17

[NPU44695](#)

DNA(spec.)—C1orf17 gene; seq.var. = ?

DNA(specification)—**C1orf19 gene;****sequence variation**

name of component: chromosome 1 open reading frame 19

[NPU44696](#)

DNA(spec.)—C1orf19 gene; seq.var. = ?

DNA(specification)—**C1orf2 gene;****sequence variation**

name of component: chromosome 1 open reading frame 2

[NPU31007](#)

DNA(spec.)—C1orf2 gene; seq.var. = ?

DNA(specification)—
C1orf20 gene;
sequence variation
name of component: chromosome 1 open reading
frame 20
[NPU44691](#)
DNA(spec.)—C1orf20 gene; seq.var. = ?

DNA(specification)—
C1orf21 gene;
sequence variation
name of component: chromosome 1 open reading
frame 21
[NPU43703](#)
DNA(spec.)—C1orf21 gene; seq.var. = ?

DNA(specification)—
C1orf22 gene;
sequence variation
name of component: chromosome 1 open reading
frame 22
[NPU44692](#)
DNA(spec.)—C1orf22 gene; seq.var. = ?

DNA(specification)—
C1orf24 gene;
sequence variation
name of component: chromosome 1 open reading
frame 24
[NPU44689](#)
DNA(spec.)—C1orf24 gene; seq.var. = ?

DNA(specification)—
C1orf25 gene;
sequence variation
name of component: chromosome 1 open reading
frame 25
[NPU44687](#)
DNA(spec.)—C1orf25 gene; seq.var. = ?

DNA(specification)—
C1orf26 gene;
sequence variation
name of component: chromosome 1 open reading
frame 26
[NPU44690](#)
DNA(spec.)—C1orf26 gene; seq.var. = ?

DNA(specification)—
C1orf28 gene;
sequence variation
name of component: chromosome 1 open reading
frame 28
[NPU44688](#)
DNA(spec.)—C1orf28 gene; seq.var. = ?

DNA(specification)—
C1orf29 gene;
sequence variation
name of component: chromosome 1 open reading
frame 29
[NPU46115](#)
DNA(spec.)—C1orf29 gene; seq.var. = ?

DNA(specification)—
C1orf30 gene;
sequence variation
name of component: chromosome 1 open reading
frame 30
[NPU46203](#)
DNA(spec.)—C1orf30 gene; seq.var. = ?

DNA(specification)—
C1orf31 gene;
sequence variation
name of component: chromosome 1 open reading
frame 31
[NPU46239](#)
DNA(spec.)—C1orf31 gene; seq.var. = ?

DNA(specification)—
C1orf33 gene;
sequence variation
name of component: chromosome 1 open reading
frame 33
[NPU46486](#)
DNA(spec.)—C1orf33 gene; seq.var. = ?

DNA(specification)—
C1orf34 gene;
sequence variation
name of component: chromosome 1 open reading
frame 34
[NPU46600](#)
DNA(spec.)—C1orf34 gene; seq.var. = ?

DNA(specification)—
C1orf35 gene;
sequence variation
name of component: chromosome 1 open reading
frame 35
[NPU46831](#)
DNA(spec.)—C1orf35 gene; seq.var. = ?

DNA(specification)—
C1orf36 gene;
sequence variation
name of component: chromosome 1 open reading
frame 36
[NPU47154](#)
DNA(spec.)—C1orf36 gene; seq.var. = ?

DNA(specification)—**C1orf37 gene;****sequence variation**

name of component: chromosome 1 open reading frame 37

[NPU47469](#)

DNA(spec.)—C1orf37 gene; seq.var. = ?

DNA(specification)—**C1orf38 gene;****sequence variation**

name of component: chromosome 1 open reading frame 38

[NPU44734](#)

DNA(spec.)—C1orf38 gene; seq.var. = ?

DNA(specification)—**C1orf39 gene;****sequence variation**

name of component: chromosome 1 open reading frame 39

[NPU47777](#)

DNA(spec.)—C1orf39 gene; seq.var. = ?

DNA(specification)—**C1orf5 gene;****sequence variation**

name of component: chromosome 1 open reading frame 5

[NPU31008](#)

DNA(spec.)—C1orf5 gene; seq.var. = ?

DNA(specification)—**C1orf6 gene;****sequence variation**

name of component: chromosome 1 open reading frame 6

[NPU31009](#)

DNA(spec.)—C1orf6 gene; seq.var. = ?

DNA(specification)—**C1orf8 gene;****sequence variation**

name of component: chromosome 1 open reading frame 8

[NPU31010](#)

DNA(spec.)—C1orf8 gene; seq.var. = ?

DNA(specification)—**C1orf9 gene;****sequence variation**

name of component: chromosome 1 open reading frame 9

[NPU31011](#)

DNA(spec.)—C1orf9 gene; seq.var. = ?

DNA(specification)—**C1QA gene;****sequence variation**

name of component: complement component 1, q subcomponent, alpha polypeptide

[NPU19221](#)

DNA(spec.)—C1QA gene; seq.var. = ?

DNA(specification)—**C1QB gene;****sequence variation**

name of component: complement component 1, q subcomponent, beta polypeptide

[NPU19222](#)

DNA(spec.)—C1QB gene; seq.var. = ?

DNA(specification)—**C1QBP gene;****sequence variation**

name of component: complement component 1, q subcomponent binding protein

[NPU31012](#)

DNA(spec.)—C1QBP gene; seq.var. = ?

DNA(specification)—**C1QBPP gene;****sequence variation**

name of component: complement component 1, q subcomponent binding protein, pseudogene

[NPU31013](#)

DNA(spec.)—C1QBPP gene; seq.var. = ?

DNA(specification)—**C1QG gene;****sequence variation**

name of component: complement component 1, q subcomponent, gamma polypeptide

[NPU19223](#)

DNA(spec.)—C1QG gene; seq.var. = ?

DNA(specification)—**C1QR1 gene;****sequence variation**

name of component: complement component 1, q subcomponent, receptor 1

[NPU43946](#)

DNA(spec.)—C1QR1 gene; seq.var. = ?

DNA(specification)—**C1QTNF1 gene;****sequence variation**

name of component: C1q and tumor necrosis factor related protein 1

[NPU42669](#)

DNA(spec.)—C1QTNF1 gene; seq.var. = ?

DNA(specification)—
C1QTNF2 gene;
sequence variation
name of component: C1q and tumor necrosis factor
related protein 2
[NPU42670](#)
DNA(spec.)—C1QTNF2 gene; seq.var. = ?

DNA(specification)—
C1QTNF3 gene;
sequence variation
name of component: C1q and tumor necrosis factor
related protein 3
[NPU42671](#)
DNA(spec.)—C1QTNF3 gene; seq.var. = ?

DNA(specification)—
C1QTNF4 gene;
sequence variation
name of component: C1q and tumor necrosis factor
related protein 4
[NPU42688](#)
DNA(spec.)—C1QTNF4 gene; seq.var. = ?

DNA(specification)—
C1QTNF5 gene;
sequence variation
name of component: C1q and tumor necrosis factor
related protein 5
[NPU42687](#)
DNA(spec.)—C1QTNF5 gene; seq.var. = ?

DNA(specification)—
C1QTNF6 gene;
sequence variation
name of component: C1q and tumor necrosis factor
related protein 6
[NPU42686](#)
DNA(spec.)—C1QTNF6 gene; seq.var. = ?

DNA(specification)—
C1QTNF7 gene;
sequence variation
name of component: C1q and tumor necrosis factor
related protein 7
[NPU42685](#)
DNA(spec.)—C1QTNF7 gene; seq.var. = ?

DNA(specification)—
C1R gene;
sequence variation
name of component: complement component 1, r
subcomponent
[NPU19242](#)
DNA(spec.)—C1R gene; seq.var. = ?

DNA(specification)—
C1S gene;
sequence variation
name of component: complement component 1, s
subcomponent
[NPU19224](#)
DNA(spec.)—C1S gene; seq.var. = ?

DNA(specification)—
C2 gene;
sequence variation
name of component: complement component 2
[NPU19243](#)
DNA(spec.)—C2 gene; seq.var. = ?

DNA(specification)—
C20orf1 gene;
sequence variation
name of component: chromosome 20 open reading
frame 1
[NPU31014](#)
DNA(spec.)—C20orf1 gene; seq.var. = ?

DNA(specification)—
C20orf10 gene;
sequence variation
name of component: chromosome 20 open reading
frame 10
[NPU43947](#)
DNA(spec.)—C20orf10 gene; seq.var. = ?

DNA(specification)—
C20orf100 gene;
sequence variation
name of component: chromosome 20 open reading
frame 100
[NPU44142](#)
DNA(spec.)—C20orf100 gene; seq.var. = ?

DNA(specification)—
C20orf101 gene;
sequence variation
name of component: chromosome 20 open reading
frame 101
[NPU43931](#)
DNA(spec.)—C20orf101 gene; seq.var. = ?

DNA(specification)—
C20orf102 gene;
sequence variation
name of component: chromosome 20 open reading
frame 102
[NPU44143](#)
DNA(spec.)—C20orf102 gene; seq.var. = ?

DNA(specification)—**C20orf103 gene;****sequence variation**

name of component: chromosome 20 open reading frame 103

[NPU44144](#)

DNA(spec.)—C20orf103 gene; seq.var. = ?

DNA(specification)—**C20orf104 gene;****sequence variation**

name of component: chromosome 20 open reading frame 104

[NPU44145](#)

DNA(spec.)—C20orf104 gene; seq.var. = ?

DNA(specification)—**C20orf105 gene;****sequence variation**

name of component: chromosome 20 open reading frame 105

[NPU44146](#)

DNA(spec.)—C20orf105 gene; seq.var. = ?

DNA(specification)—**C20orf106 gene;****sequence variation**

name of component: chromosome 20 open reading frame 106

[NPU44147](#)

DNA(spec.)—C20orf106 gene; seq.var. = ?

DNA(specification)—**C20orf107 gene;****sequence variation**

name of component: chromosome 20 open reading frame 107

[NPU44148](#)

DNA(spec.)—C20orf107 gene; seq.var. = ?

DNA(specification)—**C20orf108 gene;****sequence variation**

name of component: chromosome 20 open reading frame 108

[NPU44149](#)

DNA(spec.)—C20orf108 gene; seq.var. = ?

DNA(specification)—**C20orf109 gene;****sequence variation**

name of component: chromosome 20 open reading frame 109

[NPU44150](#)

DNA(spec.)—C20orf109 gene; seq.var. = ?

DNA(specification)—**C20orf11 gene;****sequence variation**

name of component: chromosome 20 open reading frame 11

[NPU43948](#)

DNA(spec.)—C20orf11 gene; seq.var. = ?

DNA(specification)—**C20orf110 gene;****sequence variation**

name of component: chromosome 20 open reading frame 110

[NPU44151](#)

DNA(spec.)—C20orf110 gene; seq.var. = ?

DNA(specification)—**C20orf111 gene;****sequence variation**

name of component: chromosome 20 open reading frame 111

[NPU44152](#)

DNA(spec.)—C20orf111 gene; seq.var. = ?

DNA(specification)—**C20orf112 gene;****sequence variation**

name of component: chromosome 20 open reading frame 112

[NPU44153](#)

DNA(spec.)—C20orf112 gene; seq.var. = ?

DNA(specification)—**C20orf113 gene;****sequence variation**

name of component: chromosome 20 open reading frame 113

[NPU44154](#)

DNA(spec.)—C20orf113 gene; seq.var. = ?

DNA(specification)—**C20orf114 gene;****sequence variation**

name of component: chromosome 20 open reading frame 114

[NPU44155](#)

DNA(spec.)—C20orf114 gene; seq.var. = ?

DNA(specification)—**C20orf115 gene;****sequence variation**

name of component: chromosome 20 open reading frame 115

[NPU44156](#)

DNA(spec.)—C20orf115 gene; seq.var. = ?

DNA(specification)—
C20orf116 gene;
sequence variation
name of component: chromosome 20 open reading
frame 116
[NPU44157](#)
DNA(spec.)—C20orf116 gene; seq.var. = ?

DNA(specification)—
C20orf117 gene;
sequence variation
name of component: chromosome 20 open reading
frame 117
[NPU44158](#)
DNA(spec.)—C20orf117 gene; seq.var. = ?

DNA(specification)—
C20orf118 gene;
sequence variation
name of component: chromosome 20 open reading
frame 118
[NPU44159](#)
DNA(spec.)—C20orf118 gene; seq.var. = ?

DNA(specification)—
C20orf119 gene;
sequence variation
name of component: chromosome 20 open reading
frame 119
[NPU43904](#)
DNA(spec.)—C20orf119 gene; seq.var. = ?

DNA(specification)—
C20orf12 gene;
sequence variation
name of component: chromosome 20 open reading
frame 12
[NPU43949](#)
DNA(spec.)—C20orf12 gene; seq.var. = ?

DNA(specification)—
C20orf120 gene;
sequence variation
name of component: chromosome 20 open reading
frame 120
[NPU44160](#)
DNA(spec.)—C20orf120 gene; seq.var. = ?

DNA(specification)—
C20orf121 gene;
sequence variation
name of component: chromosome 20 open reading
frame 121
[NPU44161](#)
DNA(spec.)—C20orf121 gene; seq.var. = ?

DNA(specification)—
C20orf123 gene;
sequence variation
name of component: chromosome 20 open reading
frame 123
[NPU44163](#)
DNA(spec.)—C20orf123 gene; seq.var. = ?

DNA(specification)—
C20orf125 gene;
sequence variation
name of component: chromosome 20 open reading
frame 125
[NPU44164](#)
DNA(spec.)—C20orf125 gene; seq.var. = ?

DNA(specification)—
C20orf126 gene;
sequence variation
name of component: chromosome 20 open reading
frame 126
[NPU44165](#)
DNA(spec.)—C20orf126 gene; seq.var. = ?

DNA(specification)—
C20orf127 gene;
sequence variation
name of component: chromosome 20 open reading
frame 127
[NPU44166](#)
DNA(spec.)—C20orf127 gene; seq.var. = ?

DNA(specification)—
C20orf128 gene;
sequence variation
name of component: chromosome 20 open reading
frame 128
[NPU44167](#)
DNA(spec.)—C20orf128 gene; seq.var. = ?

DNA(specification)—
C20orf129 gene;
sequence variation
name of component: chromosome 20 open reading
frame 129
[NPU44168](#)
DNA(spec.)—C20orf129 gene; seq.var. = ?

DNA(specification)—
C20orf13 gene;
sequence variation
name of component: chromosome 20 open reading
frame 13
[NPU43950](#)
DNA(spec.)—C20orf13 gene; seq.var. = ?

DNA(specification)—**C20orf130 gene;****sequence variation**

name of component: chromosome 20 open reading frame 130

[NPU44169](#)

DNA(spec.)—C20orf130 gene; seq.var. = ?

DNA(specification)—**C20orf131 gene;****sequence variation**

name of component: chromosome 20 open reading frame 131

[NPU44170](#)

DNA(spec.)—C20orf131 gene; seq.var. = ?

DNA(specification)—**C20orf132 gene;****sequence variation**

name of component: chromosome 20 open reading frame 132

[NPU44171](#)

DNA(spec.)—C20orf132 gene; seq.var. = ?

DNA(specification)—**C20orf133 gene;****sequence variation**

name of component: chromosome 20 open reading frame 133

[NPU44172](#)

DNA(spec.)—C20orf133 gene; seq.var. = ?

DNA(specification)—**C20orf134 gene;****sequence variation**

name of component: chromosome 20 open reading frame 134

[NPU44173](#)

DNA(spec.)—C20orf134 gene; seq.var. = ?

DNA(specification)—**C20orf135 gene;****sequence variation**

name of component: chromosome 20 open reading frame 135

[NPU44174](#)

DNA(spec.)—C20orf135 gene; seq.var. = ?

DNA(specification)—**C20orf136 gene;****sequence variation**

name of component: chromosome 20 open reading frame 136

[NPU44175](#)

DNA(spec.)—C20orf136 gene; seq.var. = ?

DNA(specification)—**C20orf137 gene;****sequence variation**

name of component: chromosome 20 open reading frame 137

[NPU44176](#)

DNA(spec.)—C20orf137 gene; seq.var. = ?

DNA(specification)—**C20orf139 gene;****sequence variation**

name of component: chromosome 20 open reading frame 139

[NPU44178](#)

DNA(spec.)—C20orf139 gene; seq.var. = ?

DNA(specification)—**C20orf14 gene;****sequence variation**

name of component: chromosome 20 open reading frame 14

[NPU43951](#)

DNA(spec.)—C20orf14 gene; seq.var. = ?

DNA(specification)—**C20orf140 gene;****sequence variation**

name of component: chromosome 20 open reading frame 140

[NPU44179](#)

DNA(spec.)—C20orf140 gene; seq.var. = ?

DNA(specification)—**C20orf141 gene;****sequence variation**

name of component: chromosome 20 open reading frame 141

[NPU44180](#)

DNA(spec.)—C20orf141 gene; seq.var. = ?

DNA(specification)—**C20orf142 gene;****sequence variation**

name of component: chromosome 20 open reading frame 142

[NPU44181](#)

DNA(spec.)—C20orf142 gene; seq.var. = ?

DNA(specification)—**C20orf143 gene;****sequence variation**

name of component: chromosome 20 open reading frame 143

[NPU44182](#)

DNA(spec.)—C20orf143 gene; seq.var. = ?

DNA(specification)—**C20orf144 gene;****sequence variation**

name of component: chromosome 20 open reading frame 144

[NPU44183](#)

DNA(spec.)—C20orf144 gene; seq.var. = ?

DNA(specification)—**C20orf147 gene;****sequence variation**

name of component: chromosome 20 open reading frame 147

[NPU44185](#)

DNA(spec.)—C20orf147 gene; seq.var. = ?

DNA(specification)—**C20orf148 gene;****sequence variation**

name of component: chromosome 20 open reading frame 148

[NPU44186](#)

DNA(spec.)—C20orf148 gene; seq.var. = ?

DNA(specification)—**C20orf149 gene;****sequence variation**

name of component: chromosome 20 open reading frame 149

[NPU44187](#)

DNA(spec.)—C20orf149 gene; seq.var. = ?

DNA(specification)—**C20orf150 gene;****sequence variation**

name of component: chromosome 20 open reading frame 150

[NPU44188](#)

DNA(spec.)—C20orf150 gene; seq.var. = ?

DNA(specification)—**C20orf151 gene;****sequence variation**

name of component: chromosome 20 open reading frame 151

[NPU44189](#)

DNA(spec.)—C20orf151 gene; seq.var. = ?

DNA(specification)—**C20orf152 gene;****sequence variation**

name of component: chromosome 20 open reading frame 152

[NPU44190](#)

DNA(spec.)—C20orf152 gene; seq.var. = ?

DNA(specification)—**C20orf153 gene;****sequence variation**

name of component: chromosome 20 open reading frame 153

[NPU44191](#)

DNA(spec.)—C20orf153 gene; seq.var. = ?

DNA(specification)—**C20orf154 gene;****sequence variation**

name of component: chromosome 20 open reading frame 154

[NPU44192](#)

DNA(spec.)—C20orf154 gene; seq.var. = ?

DNA(specification)—**C20orf155 gene;****sequence variation**

name of component: chromosome 20 open reading frame 155

[NPU44193](#)

DNA(spec.)—C20orf155 gene; seq.var. = ?

DNA(specification)—**C20orf157 gene;****sequence variation**

name of component: chromosome 20 open reading frame 157

[NPU44194](#)

DNA(spec.)—C20orf157 gene; seq.var. = ?

DNA(specification)—**C20orf158 gene;****sequence variation**

name of component: chromosome 20 open reading frame 158

[NPU44195](#)

DNA(spec.)—C20orf158 gene; seq.var. = ?

DNA(specification)—**C20orf159 gene;****sequence variation**

name of component: chromosome 20 open reading frame 159

[NPU44196](#)

DNA(spec.)—C20orf159 gene; seq.var. = ?

DNA(specification)—**C20orf16 gene;****sequence variation**

name of component: chromosome 20 open reading frame 16

[NPU43953](#)

DNA(spec.)—C20orf16 gene; seq.var. = ?

DNA(specification)—**C20orf160 gene;****sequence variation**

name of component: chromosome 20 open reading frame 160

[NPU44197](#)

DNA(spec.)—C20orf160 gene; seq.var. = ?

DNA(specification)—**C20orf161 gene;****sequence variation**

name of component: chromosome 20 open reading frame 161

[NPU44198](#)

DNA(spec.)—C20orf161 gene; seq.var. = ?

DNA(specification)—**C20orf162 gene;****sequence variation**

name of component: chromosome 20 open reading frame 162

[NPU44199](#)

DNA(spec.)—C20orf162 gene; seq.var. = ?

DNA(specification)—**C20orf163 gene;****sequence variation**

name of component: chromosome 20 open reading frame 163

[NPU44200](#)

DNA(spec.)—C20orf163 gene; seq.var. = ?

DNA(specification)—**C20orf164 gene;****sequence variation**

name of component: chromosome 20 open reading frame 164

[NPU44201](#)

DNA(spec.)—C20orf164 gene; seq.var. = ?

DNA(specification)—**C20orf165 gene;****sequence variation**

name of component: chromosome 20 open reading frame 165

[NPU44202](#)

DNA(spec.)—C20orf165 gene; seq.var. = ?

DNA(specification)—**C20orf166 gene;****sequence variation**

name of component: chromosome 20 open reading frame 166

[NPU44203](#)

DNA(spec.)—C20orf166 gene; seq.var. = ?

DNA(specification)—**C20orf167 gene;****sequence variation**

name of component: chromosome 20 open reading frame 167

[NPU44204](#)

DNA(spec.)—C20orf167 gene; seq.var. = ?

DNA(specification)—**C20orf168 gene;****sequence variation**

name of component: chromosome 20 open reading frame 168

[NPU44205](#)

DNA(spec.)—C20orf168 gene; seq.var. = ?

DNA(specification)—**C20orf169 gene;****sequence variation**

name of component: chromosome 20 open reading frame 169

[NPU44206](#)

DNA(spec.)—C20orf169 gene; seq.var. = ?

DNA(specification)—**C20orf17 gene;****sequence variation**

name of component: chromosome 20 open reading frame 17

[NPU43954](#)

DNA(spec.)—C20orf17 gene; seq.var. = ?

DNA(specification)—**C20orf172 gene;****sequence variation**

name of component: chromosome 20 open reading frame 172

[NPU44209](#)

DNA(spec.)—C20orf172 gene; seq.var. = ?

DNA(specification)—**C20orf173 gene;****sequence variation**

name of component: chromosome 20 open reading frame 173

[NPU44210](#)

DNA(spec.)—C20orf173 gene; seq.var. = ?

DNA(specification)—**C20orf174 gene;****sequence variation**

name of component: chromosome 20 open reading frame 174

[NPU44211](#)

DNA(spec.)—C20orf174 gene; seq.var. = ?

DNA(specification)—**C20orf175 gene;****sequence variation**

name of component: chromosome 20 open reading frame 175

[NPU44212](#)

DNA(spec.)—C20orf175 gene; seq.var. = ?

DNA(specification)—**C20orf176 gene;****sequence variation**

name of component: chromosome 20 open reading frame 176

[NPU44213](#)

DNA(spec.)—C20orf176 gene; seq.var. = ?

DNA(specification)—**C20orf177 gene;****sequence variation**

name of component: chromosome 20 open reading frame 177

[NPU44214](#)

DNA(spec.)—C20orf177 gene; seq.var. = ?

DNA(specification)—**C20orf178 gene;****sequence variation**

name of component: chromosome 20 open reading frame 178

[NPU44215](#)

DNA(spec.)—C20orf178 gene; seq.var. = ?

DNA(specification)—**C20orf179 gene;****sequence variation**

name of component: chromosome 20 open reading frame 179

[NPU44216](#)

DNA(spec.)—C20orf179 gene; seq.var. = ?

DNA(specification)—**C20orf18 gene;****sequence variation**

name of component: chromosome 20 open reading frame 18

[NPU43955](#)

DNA(spec.)—C20orf18 gene; seq.var. = ?

DNA(specification)—**C20orf181 gene;****sequence variation**

name of component: chromosome 20 open reading frame 181

[NPU44218](#)

DNA(spec.)—C20orf181 gene; seq.var. = ?

DNA(specification)—**C20orf182 gene;****sequence variation**

name of component: chromosome 20 open reading frame 182

[NPU44219](#)

DNA(spec.)—C20orf182 gene; seq.var. = ?

DNA(specification)—**C20orf185 gene;****sequence variation**

name of component: chromosome 20 open reading frame 185

[NPU44222](#)

DNA(spec.)—C20orf185 gene; seq.var. = ?

DNA(specification)—**C20orf186 gene;****sequence variation**

name of component: chromosome 20 open reading frame 186

[NPU44223](#)

DNA(spec.)—C20orf186 gene; seq.var. = ?

DNA(specification)—**C20orf187 gene;****sequence variation**

name of component: chromosome 20 open reading frame 187

[NPU44224](#)

DNA(spec.)—C20orf187 gene; seq.var. = ?

DNA(specification)—**C20orf188 gene;****sequence variation**

name of component: chromosome 20 open reading frame 188

[NPU44225](#)

DNA(spec.)—C20orf188 gene; seq.var. = ?

DNA(specification)—**C20orf189 gene;****sequence variation**

name of component: chromosome 20 open reading frame 189

[NPU44226](#)

DNA(spec.)—C20orf189 gene; seq.var. = ?

DNA(specification)—**C20orf19 gene;****sequence variation**

name of component: chromosome 20 open reading frame 19

[NPU43956](#)

DNA(spec.)—C20orf19 gene; seq.var. = ?

DNA(specification)—**C20orf190 gene;****sequence variation**

name of component: chromosome 20 open reading frame 190

[NPU44227](#)

DNA(spec.)—C20orf190 gene; seq.var. = ?

DNA(specification)—**C20orf191 gene;****sequence variation**

name of component: chromosome 20 open reading frame 191

[NPU44663](#)

DNA(spec.)—C20orf191 gene; seq.var. = ?

DNA(specification)—**C20orf193 gene;****sequence variation**

name of component: chromosome 20 open reading frame 193

[NPU44856](#)

DNA(spec.)—C20orf193 gene; seq.var. = ?

DNA(specification)—**C20orf194 gene;****sequence variation**

name of component: chromosome 20 open reading frame 194

[NPU46080](#)

DNA(spec.)—C20orf194 gene; seq.var. = ?

DNA(specification)—**C20orf20 gene;****sequence variation**

name of component: chromosome 20 open reading frame 20

[NPU43957](#)

DNA(spec.)—C20orf20 gene; seq.var. = ?

DNA(specification)—**C20orf21 gene;****sequence variation**

name of component: chromosome 20 open reading frame 21

[NPU43958](#)

DNA(spec.)—C20orf21 gene; seq.var. = ?

DNA(specification)—**C20orf22 gene;****sequence variation**

name of component: chromosome 20 open reading frame 22

[NPU43959](#)

DNA(spec.)—C20orf22 gene; seq.var. = ?

DNA(specification)—**C20orf23 gene;****sequence variation**

name of component: chromosome 20 open reading frame 23

[NPU43960](#)

DNA(spec.)—C20orf23 gene; seq.var. = ?

DNA(specification)—**C20orf24 gene;****sequence variation**

name of component: chromosome 20 open reading frame 24

[NPU43961](#)

DNA(spec.)—C20orf24 gene; seq.var. = ?

DNA(specification)—**C20orf26 gene;****sequence variation**

name of component: chromosome 20 open reading frame 26

[NPU43962](#)

DNA(spec.)—C20orf26 gene; seq.var. = ?

DNA(specification)—**C20orf27 gene;****sequence variation**

name of component: chromosome 20 open reading frame 27

[NPU43963](#)

DNA(spec.)—C20orf27 gene; seq.var. = ?

DNA(specification)—**C20orf28 gene;****sequence variation**

name of component: chromosome 20 open reading frame 28

[NPU43964](#)

DNA(spec.)—C20orf28 gene; seq.var. = ?

DNA(specification)—**C20orf29 gene;****sequence variation**

name of component: chromosome 20 open reading frame 29

[NPU43965](#)

DNA(spec.)—C20orf29 gene; seq.var. = ?

DNA(specification)—**C20orf3 gene;****sequence variation**

name of component: chromosome 20 open reading frame 3

[NPU42059](#)

DNA(spec.)—C20orf3 gene; seq.var. = ?

DNA(specification)—**C20orf30 gene;****sequence variation**

name of component: chromosome 20 open reading frame 30

[NPU43966](#)

DNA(spec.)—C20orf30 gene; seq.var. = ?

DNA(specification)—**C20orf31 gene;****sequence variation**

name of component: chromosome 20 open reading frame 31

[NPU43967](#)

DNA(spec.)—C20orf31 gene; seq.var. = ?

DNA(specification)—**C20orf32 gene;****sequence variation**

name of component: chromosome 20 open reading frame 32

[NPU43968](#)

DNA(spec.)—C20orf32 gene; seq.var. = ?

DNA(specification)—**C20orf35 gene;****sequence variation**

name of component: chromosome 20 open reading frame 35

[NPU43971](#)

DNA(spec.)—C20orf35 gene; seq.var. = ?

DNA(specification)—**C20orf36 gene;****sequence variation**

name of component: chromosome 20 open reading frame 36

[NPU43972](#)

DNA(spec.)—C20orf36 gene; seq.var. = ?

DNA(specification)—**C20orf38 gene;****sequence variation**

name of component: chromosome 20 open reading frame 38

[NPU43973](#)

DNA(spec.)—C20orf38 gene; seq.var. = ?

DNA(specification)—**C20orf39 gene;****sequence variation**

name of component: chromosome 20 open reading frame 39

[NPU43974](#)

DNA(spec.)—C20orf39 gene; seq.var. = ?

DNA(specification)—**C20orf4 gene;****sequence variation**

name of component: chromosome 20 open reading frame 4

[NPU43975](#)

DNA(spec.)—C20orf4 gene; seq.var. = ?

DNA(specification)—**C20orf40 gene;****sequence variation**

name of component: chromosome 20 open reading frame 40

[NPU43976](#)

DNA(spec.)—C20orf40 gene; seq.var. = ?

DNA(specification)—**C20orf41 gene;****sequence variation**

name of component: chromosome 20 open reading frame 41

[NPU43977](#)

DNA(spec.)—C20orf41 gene; seq.var. = ?

DNA(specification)—**C20orf42 gene;****sequence variation**

name of component: chromosome 20 open reading frame 42

[NPU43978](#)

DNA(spec.)—C20orf42 gene; seq.var. = ?

DNA(specification)—**C20orf43 gene;****sequence variation**

name of component: chromosome 20 open reading frame 43

[NPU43979](#)

DNA(spec.)—C20orf43 gene; seq.var. = ?

DNA(specification)—**C20orf44 gene;****sequence variation**

name of component: chromosome 20 open reading frame 44

[NPU43980](#)

DNA(spec.)—C20orf44 gene; seq.var. = ?

DNA(specification)—**C20orf45 gene;****sequence variation**

name of component: chromosome 20 open reading frame 45

[NPU43981](#)

DNA(spec.)—C20orf45 gene; seq.var. = ?

DNA(specification)—**C20orf46 gene;****sequence variation**

name of component: chromosome 20 open reading frame 46

[NPU43982](#)

DNA(spec.)—C20orf46 gene; seq.var. = ?

DNA(specification)—**C20orf50 gene;****sequence variation**

name of component: chromosome 20 open reading frame 50

[NPU43984](#)

DNA(spec.)—C20orf50 gene; seq.var. = ?

DNA(specification)—**C20orf51 gene;****sequence variation**

name of component: chromosome 20 open reading frame 51

[NPU44228](#)

DNA(spec.)—C20orf51 gene; seq.var. = ?

DNA(specification)—**C20orf52 gene;****sequence variation**

name of component: chromosome 20 open reading frame 52

[NPU44229](#)

DNA(spec.)—C20orf52 gene; seq.var. = ?

DNA(specification)—**C20orf53 gene;****sequence variation**

name of component: chromosome 20 open reading frame 53

[NPU44230](#)

DNA(spec.)—C20orf53 gene; seq.var. = ?

DNA(specification)—**C20orf54 gene;****sequence variation**

name of component: chromosome 20 open reading frame 54

[NPU44231](#)

DNA(spec.)—C20orf54 gene; seq.var. = ?

DNA(specification)—**C20orf55 gene;****sequence variation**

name of component: chromosome 20 open reading frame 55

[NPU44232](#)

DNA(spec.)—C20orf55 gene; seq.var. = ?

DNA(specification)—**C20orf56 gene;****sequence variation**

name of component: chromosome 20 open reading frame 56

[NPU44233](#)

DNA(spec.)—C20orf56 gene; seq.var. = ?

DNA(specification)—**C20orf57 gene;****sequence variation**

name of component: chromosome 20 open reading frame 57

[NPU44234](#)

DNA(spec.)—C20orf57 gene; seq.var. = ?

DNA(specification)—**C20orf58 gene;****sequence variation**

name of component: chromosome 20 open reading frame 58

[NPU44235](#)

DNA(spec.)—C20orf58 gene; seq.var. = ?

DNA(specification)—**C20orf59 gene;****sequence variation**

name of component: chromosome 20 open reading frame 59

[NPU44236](#)

DNA(spec.)—C20orf59 gene; seq.var. = ?

DNA(specification)—**C20orf6 gene;****sequence variation**

name of component: chromosome 20 open reading frame 6

[NPU43985](#)

DNA(spec.)—C20orf6 gene; seq.var. = ?

DNA(specification)—**C20orf61 gene;****sequence variation**

name of component: chromosome 20 open reading frame 61

[NPU44238](#)

DNA(spec.)—C20orf61 gene; seq.var. = ?

DNA(specification)—**C20orf62 gene;****sequence variation**

name of component: chromosome 20 open reading frame 62

[NPU44239](#)

DNA(spec.)—C20orf62 gene; seq.var. = ?

DNA(specification)—
C20orf64 gene;
sequence variation
name of component: chromosome 20 open reading
frame 64
[NPU44241](#)
DNA(spec.)—C20orf64 gene; seq.var. = ?

DNA(specification)—
C20orf65 gene;
sequence variation
name of component: chromosome 20 open reading
frame 65
[NPU44242](#)
DNA(spec.)—C20orf65 gene; seq.var. = ?

DNA(specification)—
C20orf66 gene;
sequence variation
name of component: chromosome 20 open reading
frame 66
[NPU44243](#)
DNA(spec.)—C20orf66 gene; seq.var. = ?

DNA(specification)—
C20orf67 gene;
sequence variation
name of component: chromosome 20 open reading
frame 67
[NPU44244](#)
DNA(spec.)—C20orf67 gene; seq.var. = ?

DNA(specification)—
C20orf68 gene;
sequence variation
name of component: chromosome 20 open reading
frame 68
[NPU44245](#)
DNA(spec.)—C20orf68 gene; seq.var. = ?

DNA(specification)—
C20orf69 gene;
sequence variation
name of component: chromosome 20 open reading
frame 69
[NPU44246](#)
DNA(spec.)—C20orf69 gene; seq.var. = ?

DNA(specification)—
C20orf7 gene;
sequence variation
name of component: chromosome 20 open reading
frame 7
[NPU43986](#)
DNA(spec.)—C20orf7 gene; seq.var. = ?

DNA(specification)—
C20orf70 gene;
sequence variation
name of component: chromosome 20 open reading
frame 70
[NPU44247](#)
DNA(spec.)—C20orf70 gene; seq.var. = ?

DNA(specification)—
C20orf71 gene;
sequence variation
name of component: chromosome 20 open reading
frame 71
[NPU44248](#)
DNA(spec.)—C20orf71 gene; seq.var. = ?

DNA(specification)—
C20orf72 gene;
sequence variation
name of component: chromosome 20 open reading
frame 72
[NPU44249](#)
DNA(spec.)—C20orf72 gene; seq.var. = ?

DNA(specification)—
C20orf74 gene;
sequence variation
name of component: chromosome 20 open reading
frame 74
[NPU44251](#)
DNA(spec.)—C20orf74 gene; seq.var. = ?

DNA(specification)—
C20orf75 gene;
sequence variation
name of component: chromosome 20 open reading
frame 75
[NPU44252](#)
DNA(spec.)—C20orf75 gene; seq.var. = ?

DNA(specification)—
C20orf77 gene;
sequence variation
name of component: chromosome 20 open reading
frame 77
[NPU44253](#)
DNA(spec.)—C20orf77 gene; seq.var. = ?

DNA(specification)—
C20orf78 gene;
sequence variation
name of component: chromosome 20 open reading
frame 78
[NPU44254](#)
DNA(spec.)—C20orf78 gene; seq.var. = ?

DNA(specification)—
C20orf79 gene;
sequence variation
name of component: chromosome 20 open reading
frame 79
[NPU44255](#)
DNA(spec.)—C20orf79 gene; seq.var. = ?

DNA(specification)—
C20orf80 gene;
sequence variation
name of component: chromosome 20 open reading
frame 80
[NPU43901](#)
DNA(spec.)—C20orf80 gene; seq.var. = ?

DNA(specification)—
C20orf81 gene;
sequence variation
name of component: chromosome 20 open reading
frame 81
[NPU44256](#)
DNA(spec.)—C20orf81 gene; seq.var. = ?

DNA(specification)—
C20orf82 gene;
sequence variation
name of component: chromosome 20 open reading
frame 82
[NPU44257](#)
DNA(spec.)—C20orf82 gene; seq.var. = ?

DNA(specification)—
C20orf83 gene;
sequence variation
name of component: chromosome 20 open reading
frame 83
[NPU44258](#)
DNA(spec.)—C20orf83 gene; seq.var. = ?

DNA(specification)—
C20orf85 gene;
sequence variation
name of component: chromosome 20 open reading
frame 85
[NPU44259](#)
DNA(spec.)—C20orf85 gene; seq.var. = ?

DNA(specification)—
C20orf86 gene;
sequence variation
name of component: chromosome 20 open reading
frame 86
[NPU44260](#)
DNA(spec.)—C20orf86 gene; seq.var. = ?

DNA(specification)—
C20orf89 gene;
sequence variation
name of component: chromosome 20 open reading
frame 89
[NPU44263](#)
DNA(spec.)—C20orf89 gene; seq.var. = ?

DNA(specification)—
C20orf9 gene;
sequence variation
name of component: chromosome 20 open reading
frame 9
[NPU43988](#)
DNA(spec.)—C20orf9 gene; seq.var. = ?

DNA(specification)—
C20orf90 gene;
sequence variation
name of component: chromosome 20 open reading
frame 90
[NPU44264](#)
DNA(spec.)—C20orf90 gene; seq.var. = ?

DNA(specification)—
C20orf91 gene;
sequence variation
name of component: chromosome 20 open reading
frame 91
[NPU44265](#)
DNA(spec.)—C20orf91 gene; seq.var. = ?

DNA(specification)—
C20orf92 gene;
sequence variation
name of component: chromosome 20 open reading
frame 92
[NPU44266](#)
DNA(spec.)—C20orf92 gene; seq.var. = ?

DNA(specification)—
C20orf93 gene;
sequence variation
name of component: chromosome 20 open reading
frame 93
[NPU44267](#)
DNA(spec.)—C20orf93 gene; seq.var. = ?

DNA(specification)—
C20orf94 gene;
sequence variation
name of component: chromosome 20 open reading
frame 94
[NPU44268](#)
DNA(spec.)—C20orf94 gene; seq.var. = ?

DNA(specification)—**C20orf95 gene;****sequence variation**

name of component: chromosome 20 open reading frame 95

[NPU44269](#)

DNA(spec.)—C20orf95 gene; seq.var. = ?

DNA(specification)—**C20orf96 gene;****sequence variation**

name of component: chromosome 20 open reading frame 96

[NPU44270](#)

DNA(spec.)—C20orf96 gene; seq.var. = ?

DNA(specification)—**C20orf97 gene;****sequence variation**

name of component: chromosome 20 open reading frame 97

[NPU44271](#)

DNA(spec.)—C20orf97 gene; seq.var. = ?

DNA(specification)—**C20orf98 gene;****sequence variation**

name of component: chromosome 20 open reading frame 98

[NPU44272](#)

DNA(spec.)—C20orf98 gene; seq.var. = ?

DNA(specification)—**C20orf99 gene;****sequence variation**

name of component: chromosome 20 open reading frame 99

[NPU44273](#)

DNA(spec.)—C20orf99 gene; seq.var. = ?

DNA(specification)—**C21orf10 gene;****sequence variation**

name of component: chromosome 21 open reading frame 10

[NPU31015](#)

DNA(spec.)—C21orf10 gene; seq.var. = ?

DNA(specification)—**C21orf100 gene;****sequence variation**

name of component: chromosome 21 open reading frame 100

[NPU44877](#)

DNA(spec.)—C21orf100 gene; seq.var. = ?

DNA(specification)—**C21orf108 gene;****sequence variation**

name of component: chromosome 21 open reading frame 108

[NPU44992](#)

DNA(spec.)—C21orf108 gene; seq.var. = ?

DNA(specification)—**C21orf109 gene;****sequence variation**

name of component: chromosome 21 open reading frame 109

[NPU46475](#)

DNA(spec.)—C21orf109 gene; seq.var. = ?

DNA(specification)—**C21orf12 gene;****sequence variation**

name of component: chromosome 21 open reading frame 12

[NPU31017](#)

DNA(spec.)—C21orf12 gene; seq.var. = ?

DNA(specification)—**C21orf13 gene;****sequence variation**

name of component: chromosome 21 open reading frame 13

[NPU31018](#)

DNA(spec.)—C21orf13 gene; seq.var. = ?

DNA(specification)—**C21orf14 gene;****sequence variation**

name of component: chromosome 21 open reading frame 14

[NPU31019](#)

DNA(spec.)—C21orf14 gene; seq.var. = ?

DNA(specification)—**C21orf15 gene;****sequence variation**

name of component: chromosome 21 open reading frame 15

[NPU31020](#)

DNA(spec.)—C21orf15 gene; seq.var. = ?

DNA(specification)—**C21orf18 gene;****sequence variation**

name of component: chromosome 21 open reading frame 18

[NPU31021](#)

DNA(spec.)—C21orf18 gene; seq.var. = ?

DNA(specification)—
C21orf19 gene;
sequence variation
name of component: chromosome 21 open reading
frame 19
[NPU31022](#)
DNA(spec.)—C21orf19 gene; seq.var. = ?

DNA(specification)—
C21orf2 gene;
sequence variation
name of component: chromosome 21 open reading
frame 2
[NPU31023](#)
DNA(spec.)—C21orf2 gene; seq.var. = ?

DNA(specification)—
C21orf20 gene;
sequence variation
name of component: chromosome 21 open reading
frame 20
[NPU31024](#)
DNA(spec.)—C21orf20 gene; seq.var. = ?

DNA(specification)—
C21orf21 gene;
sequence variation
name of component: chromosome 21 open reading
frame 21
[NPU31025](#)
DNA(spec.)—C21orf21 gene; seq.var. = ?

DNA(specification)—
C21orf22 gene;
sequence variation
name of component: chromosome 21 open reading
frame 22
[NPU31026](#)
DNA(spec.)—C21orf22 gene; seq.var. = ?

DNA(specification)—
C21orf23 gene;
sequence variation
name of component: chromosome 21 open reading
frame 23
[NPU31027](#)
DNA(spec.)—C21orf23 gene; seq.var. = ?

DNA(specification)—
C21orf24 gene;
sequence variation
name of component: chromosome 21 open reading
frame 24
[NPU31028](#)
DNA(spec.)—C21orf24 gene; seq.var. = ?

DNA(specification)—
C21orf25 gene;
sequence variation
name of component: chromosome 21 open reading
frame 25
[NPU31029](#)
DNA(spec.)—C21orf25 gene; seq.var. = ?

DNA(specification)—
C21orf27 gene;
sequence variation
name of component: chromosome 21 open reading
frame 27
[NPU31030](#)
DNA(spec.)—C21orf27 gene; seq.var. = ?

DNA(specification)—
C21orf29 gene;
sequence variation
name of component: chromosome 21 open reading
frame 29
[NPU31031](#)
DNA(spec.)—C21orf29 gene; seq.var. = ?

DNA(specification)—
C21orf30 gene;
sequence variation
name of component: chromosome 21 open reading
frame 30
[NPU31032](#)
DNA(spec.)—C21orf30 gene; seq.var. = ?

DNA(specification)—
C21orf31 gene;
sequence variation
name of component: chromosome 21 open reading
frame 31
[NPU31033](#)
DNA(spec.)—C21orf31 gene; seq.var. = ?

DNA(specification)—
C21orf32 gene;
sequence variation
name of component: chromosome 21 open reading
frame 32
[NPU31034](#)
DNA(spec.)—C21orf32 gene; seq.var. = ?

DNA(specification)—
C21orf33 gene;
sequence variation
name of component: chromosome 21 open reading
frame 33
[NPU31035](#)
DNA(spec.)—C21orf33 gene; seq.var. = ?

DNA(specification)—
C21orf34 gene;
sequence variation
name of component: chromosome 21 open reading
frame 34
[NPU31036](#)
DNA(spec.)—C21orf34 gene; seq.var. = ?

DNA(specification)—
C21orf35 gene;
sequence variation
name of component: chromosome 21 open reading
frame 35
[NPU31037](#)
DNA(spec.)—C21orf35 gene; seq.var. = ?

DNA(specification)—
C21orf36 gene;
sequence variation
name of component: chromosome 21 open reading
frame 36
[NPU31038](#)
DNA(spec.)—C21orf36 gene; seq.var. = ?

DNA(specification)—
C21orf37 gene;
sequence variation
name of component: chromosome 21 open reading
frame 37
[NPU31039](#)
DNA(spec.)—C21orf37 gene; seq.var. = ?

DNA(specification)—
C21orf38 gene;
sequence variation
name of component: chromosome 21 open reading
frame 38
[NPU31040](#)
DNA(spec.)—C21orf38 gene; seq.var. = ?

DNA(specification)—
C21orf39 gene;
sequence variation
name of component: chromosome 21 open reading
frame 39
[NPU31041](#)
DNA(spec.)—C21orf39 gene; seq.var. = ?

DNA(specification)—
C21orf4 gene;
sequence variation
name of component: chromosome 21 open reading
frame 4
[NPU31042](#)
DNA(spec.)—C21orf4 gene; seq.var. = ?

DNA(specification)—
C21orf40 gene;
sequence variation
name of component: chromosome 21 open reading
frame 40
[NPU31043](#)
DNA(spec.)—C21orf40 gene; seq.var. = ?

DNA(specification)—
C21orf41 gene;
sequence variation
name of component: chromosome 21 open reading
frame 41
[NPU31044](#)
DNA(spec.)—C21orf41 gene; seq.var. = ?

DNA(specification)—
C21orf42 gene;
sequence variation
name of component: chromosome 21 open reading
frame 42
[NPU31045](#)
DNA(spec.)—C21orf42 gene; seq.var. = ?

DNA(specification)—
C21orf44 gene;
sequence variation
name of component: chromosome 21 open reading
frame 44
[NPU31046](#)
DNA(spec.)—C21orf44 gene; seq.var. = ?

DNA(specification)—
C21orf45 gene;
sequence variation
name of component: chromosome 21 open reading
frame 45
[NPU31047](#)
DNA(spec.)—C21orf45 gene; seq.var. = ?

DNA(specification)—
C21orf46 gene;
sequence variation
name of component: chromosome 21 open reading
frame 46
[NPU31048](#)
DNA(spec.)—C21orf46 gene; seq.var. = ?

DNA(specification)—
C21orf47 gene;
sequence variation
name of component: chromosome 21 open reading
frame 47
[NPU31049](#)
DNA(spec.)—C21orf47 gene; seq.var. = ?

DNA(specification)—**C21orf48 gene;****sequence variation**

name of component: chromosome 21 open reading frame 48

[NPU31050](#)

DNA(spec.)—C21orf48 gene; seq.var. = ?

DNA(specification)—**C21orf49 gene;****sequence variation**

name of component: chromosome 21 open reading frame 49

[NPU31051](#)

DNA(spec.)—C21orf49 gene; seq.var. = ?

DNA(specification)—**C21orf5 gene;****sequence variation**

name of component: chromosome 21 open reading frame 5

[NPU31052](#)

DNA(spec.)—C21orf5 gene; seq.var. = ?

DNA(specification)—**C21orf51 gene;****sequence variation**

name of component: chromosome 21 open reading frame 51

[NPU31053](#)

DNA(spec.)—C21orf51 gene; seq.var. = ?

DNA(specification)—**C21orf52 gene;****sequence variation**

name of component: chromosome 21 open reading frame 52

[NPU31054](#)

DNA(spec.)—C21orf52 gene; seq.var. = ?

DNA(specification)—**C21orf53 gene;****sequence variation**

name of component: chromosome 21 open reading frame 53

[NPU31055](#)

DNA(spec.)—C21orf53 gene; seq.var. = ?

DNA(specification)—**C21orf54 gene;****sequence variation**

name of component: chromosome 21 open reading frame 54

[NPU31056](#)

DNA(spec.)—C21orf54 gene; seq.var. = ?

DNA(specification)—**C21orf55 gene;****sequence variation**

name of component: chromosome 21 open reading frame 55

[NPU31057](#)

DNA(spec.)—C21orf55 gene; seq.var. = ?

DNA(specification)—**C21orf56 gene;****sequence variation**

name of component: chromosome 21 open reading frame 56

[NPU31058](#)

DNA(spec.)—C21orf56 gene; seq.var. = ?

DNA(specification)—**C21orf57 gene;****sequence variation**

name of component: chromosome 21 open reading frame 57

[NPU31059](#)

DNA(spec.)—C21orf57 gene; seq.var. = ?

DNA(specification)—**C21orf58 gene;****sequence variation**

name of component: chromosome 21 open reading frame 58

[NPU31060](#)

DNA(spec.)—C21orf58 gene; seq.var. = ?

DNA(specification)—**C21orf59 gene;****sequence variation**

name of component: chromosome 21 open reading frame 59

[NPU31061](#)

DNA(spec.)—C21orf59 gene; seq.var. = ?

DNA(specification)—**C21orf6 gene;****sequence variation**

name of component: chromosome 21 open reading frame 6

[NPU31062](#)

DNA(spec.)—C21orf6 gene; seq.var. = ?

DNA(specification)—**C21orf61 gene;****sequence variation**

name of component: chromosome 21 open reading frame 61

[NPU31063](#)

DNA(spec.)—C21orf61 gene; seq.var. = ?

DNA(specification)—**C21orf62 gene;****sequence variation**

name of component: chromosome 21 open reading frame 62

[NPU31064](#)

DNA(spec.)—C21orf62 gene; seq.var. = ?

DNA(specification)—**C21orf63 gene;****sequence variation**

name of component: chromosome 21 open reading frame 63

[NPU42060](#)

DNA(spec.)—C21orf63 gene; seq.var. = ?

DNA(specification)—**C21orf64 gene;****sequence variation**

name of component: chromosome 21 open reading frame 64

[NPU42195](#)

DNA(spec.)—C21orf64 gene; seq.var. = ?

DNA(specification)—**C21orf66 gene;****sequence variation**

name of component: chromosome 21 open reading frame 66

[NPU42205](#)

DNA(spec.)—C21orf66 gene; seq.var. = ?

DNA(specification)—**C21orf67 gene;****sequence variation**

name of component: chromosome 21 open reading frame 67

[NPU43839](#)

DNA(spec.)—C21orf67 gene; seq.var. = ?

DNA(specification)—**C21orf69 gene;****sequence variation**

name of component: chromosome 21 open reading frame 69

[NPU43841](#)

DNA(spec.)—C21orf69 gene; seq.var. = ?

DNA(specification)—**C21orf7 gene;****sequence variation**

name of component: chromosome 21 open reading frame 7

[NPU44452](#)

DNA(spec.)—C21orf7 gene; seq.var. = ?

DNA(specification)—**C21orf70 gene;****sequence variation**

name of component: chromosome 21 open reading frame 70

[NPU43918](#)

DNA(spec.)—C21orf70 gene; seq.var. = ?

DNA(specification)—**C21orf71 gene;****sequence variation**

name of component: chromosome 21 open reading frame 71

[NPU44087](#)

DNA(spec.)—C21orf71 gene; seq.var. = ?

DNA(specification)—**C21orf72 gene;****sequence variation**

name of component: chromosome 21 open reading frame 72

[NPU44091](#)

DNA(spec.)—C21orf72 gene; seq.var. = ?

DNA(specification)—**C21orf74 gene;****sequence variation**

name of component: chromosome 21 open reading frame 74

[NPU44089](#)

DNA(spec.)—C21orf74 gene; seq.var. = ?

DNA(specification)—**C21orf75 gene;****sequence variation**

name of component: chromosome 21 open reading frame 75

[NPU44090](#)

DNA(spec.)—C21orf75 gene; seq.var. = ?

DNA(specification)—**C21orf79 gene;****sequence variation**

name of component: chromosome 21 open reading frame 79

[NPU44362](#)

DNA(spec.)—C21orf79 gene; seq.var. = ?

DNA(specification)—**C21orf8 gene;****sequence variation**

name of component: chromosome 21 open reading frame 8

[NPU44451](#)

DNA(spec.)—C21orf8 gene; seq.var. = ?

DNA(specification)—**C21orf80 gene;****sequence variation**

name of component: chromosome 21 open reading
frame 80

[NPU42945](#)

DNA(spec.)—C21orf80 gene; seq.var. = ?

DNA(specification)—**C21orf81 gene;****sequence variation**

name of component: chromosome 21 open reading
frame 81

[NPU44418](#)

DNA(spec.)—C21orf81 gene; seq.var. = ?

DNA(specification)—**C21orf82 gene;****sequence variation**

name of component: chromosome 21 open reading
frame 82

[NPU44419](#)

DNA(spec.)—C21orf82 gene; seq.var. = ?

DNA(specification)—**C21orf84 gene;****sequence variation**

name of component: chromosome 21 open reading
frame 84

[NPU44420](#)

DNA(spec.)—C21orf84 gene; seq.var. = ?

DNA(specification)—**C21orf85 gene;****sequence variation**

name of component: chromosome 21 open reading
frame 85

[NPU44422](#)

DNA(spec.)—C21orf85 gene; seq.var. = ?

DNA(specification)—**C21orf86 gene;****sequence variation**

name of component: chromosome 21 open reading
frame 86

[NPU44423](#)

DNA(spec.)—C21orf86 gene; seq.var. = ?

DNA(specification)—**C21orf87 gene;****sequence variation**

name of component: chromosome 21 open reading
frame 87

[NPU44426](#)

DNA(spec.)—C21orf87 gene; seq.var. = ?

DNA(specification)—**C21orf88 gene;****sequence variation**

name of component: chromosome 21 open reading
frame 88

[NPU44427](#)

DNA(spec.)—C21orf88 gene; seq.var. = ?

DNA(specification)—**C21orf89 gene;****sequence variation**

name of component: chromosome 21 open reading
frame 89

[NPU44428](#)

DNA(spec.)—C21orf89 gene; seq.var. = ?

DNA(specification)—**C21orf9 gene;****sequence variation**

name of component: chromosome 21 open reading
frame 9

[NPU44453](#)

DNA(spec.)—C21orf9 gene; seq.var. = ?

DNA(specification)—**C21orf90 gene;****sequence variation**

name of component: chromosome 21 open reading
frame 90

[NPU44429](#)

DNA(spec.)—C21orf90 gene; seq.var. = ?

DNA(specification)—**C21orf91 gene;****sequence variation**

name of component: chromosome 21 open reading
frame 91

[NPU44454](#)

DNA(spec.)—C21orf91 gene; seq.var. = ?

DNA(specification)—**C21orf93 gene;****sequence variation**

name of component: chromosome 21 open reading
frame 93

[NPU44597](#)

DNA(spec.)—C21orf93 gene; seq.var. = ?

DNA(specification)—**C21orf94 gene;****sequence variation**

name of component: chromosome 21 open reading
frame 94

[NPU44598](#)

DNA(spec.)—C21orf94 gene; seq.var. = ?

DNA(specification)—
C21orf97 gene;
sequence variation
name of component: chromosome 21 open reading
frame 97
[NPU44599](#)
DNA(spec.)—C21orf97 gene; seq.var. = ?

DNA(specification)—
C21orf98 gene;
sequence variation
name of component: chromosome 21 open reading
frame 98
[NPU44600](#)
DNA(spec.)—C21orf98 gene; seq.var. = ?

DNA(specification)—
C21orf99 gene;
sequence variation
name of component: chromosome 21 open reading
frame 99
[NPU44596](#)
DNA(spec.)—C21orf99 gene; seq.var. = ?

DNA(specification)—
C22orf1 gene;
sequence variation
name of component: chromosome 22 open reading
frame 1
[NPU31065](#)
DNA(spec.)—C22orf1 gene; seq.var. = ?

DNA(specification)—
C22orf12 gene;
sequence variation
name of component: chromosome 22 open reading
frame 12
[NPU42606](#)
DNA(spec.)—C22orf12 gene; seq.var. = ?

DNA(specification)—
C22orf13 gene;
sequence variation
name of component: chromosome 22 open reading
frame 13
[NPU42605](#)
DNA(spec.)—C22orf13 gene; seq.var. = ?

DNA(specification)—
C22orf14 gene;
sequence variation
name of component: chromosome 22 open reading
frame 14
[NPU42604](#)
DNA(spec.)—C22orf14 gene; seq.var. = ?

DNA(specification)—
C22orf17 gene;
sequence variation
name of component: chromosome 22 open reading
frame 17
[NPU46419](#)
DNA(spec.)—C22orf17 gene; seq.var. = ?

DNA(specification)—
C22orf18 gene;
sequence variation
name of component: chromosome 22 open reading
frame 18
[NPU46420](#)
DNA(spec.)—C22orf18 gene; seq.var. = ?

DNA(specification)—
C22orf19 gene;
sequence variation
name of component: chromosome 22 open reading
frame 19
[NPU44718](#)
DNA(spec.)—C22orf19 gene; seq.var. = ?

DNA(specification)—
C22orf2 gene;
sequence variation
name of component: chromosome 22 open reading
frame 2
[NPU31066](#)
DNA(spec.)—C22orf2 gene; seq.var. = ?

DNA(specification)—
C22orf20 gene;
sequence variation
name of component: chromosome 22 open reading
frame 20
[NPU46558](#)
DNA(spec.)—C22orf20 gene; seq.var. = ?

DNA(specification)—
C22orf23 gene;
sequence variation
name of component: chromosome 22 open reading
frame 23
[NPU46557](#)
DNA(spec.)—C22orf23 gene; seq.var. = ?

DNA(specification)—
C22orf3 gene;
sequence variation
name of component: chromosome 22 open reading
frame 3
[NPU31067](#)
DNA(spec.)—C22orf3 gene; seq.var. = ?

DNA(specification)—**C22orf4 gene;****sequence variation**

name of component: chromosome 22 open reading frame 4

[NPU31068](#)

DNA(spec.)—C22orf4 gene; seq.var. = ?

DNA(specification)—**C22orf5 gene;****sequence variation**

name of component: chromosome 22 open reading frame 5

[NPU31069](#)

DNA(spec.)—C22orf5 gene; seq.var. = ?

DNA(specification)—**C22orf8 gene;****sequence variation**

name of component: chromosome 22 open reading frame 8

[NPU31071](#)

DNA(spec.)—C22orf8 gene; seq.var. = ?

DNA(specification)—**C22orf9 gene;****sequence variation**

name of component: chromosome 22 open reading frame 9

[NPU31072](#)

DNA(spec.)—C22orf9 gene; seq.var. = ?

DNA(specification)—**C2orf3 gene;****sequence variation**

name of component: chromosome 2 open reading frame 3

[NPU31074](#)

DNA(spec.)—C2orf3 gene; seq.var. = ?

DNA(specification)—**C2orf4 gene;****sequence variation**

name of component: chromosome 2 open reading frame 4

[NPU42448](#)

DNA(spec.)—C2orf4 gene; seq.var. = ?

DNA(specification)—**C2orf6 gene;****sequence variation**

name of component: chromosome 2 open reading frame 6

[NPU44083](#)

DNA(spec.)—C2orf6 gene; seq.var. = ?

DNA(specification)—**C2orf7 gene;****sequence variation**

name of component: chromosome 2 open reading frame 7

[NPU44106](#)

DNA(spec.)—C2orf7 gene; seq.var. = ?

DNA(specification)—**C2orf9 gene;****sequence variation**

name of component: chromosome 2 open reading frame 9

[NPU46137](#)

DNA(spec.)—C2orf9 gene; seq.var. = ?

DNA(specification)—**C3 gene;****sequence variation**

name of component: complement component 3

[NPU19225](#)

DNA(spec.)—C3 gene; seq.var. = ?

DNA(specification)—**C3AR1 gene;****sequence variation**

name of component: complement component 3a receptor 1

[NPU31075](#)

DNA(spec.)—C3AR1 gene; seq.var. = ?

DNA(specification)—**C3CER1 gene;****sequence variation**

name of component: chromosome 3 common eliminated region 1

[NPU31076](#)

DNA(spec.)—C3CER1 gene; seq.var. = ?

DNA(specification)—**C3orf1 gene;****sequence variation**

name of component: chromosome 3 open reading frame 1

[NPU31077](#)

DNA(spec.)—C3orf1 gene; seq.var. = ?

DNA(specification)—**C3orf4 gene;****sequence variation**

name of component: chromosome 3 open reading frame 4

[NPU31078](#)

DNA(spec.)—C3orf4 gene; seq.var. = ?

DNA(specification)—**C3orf6 gene;****sequence variation**

name of component: chromosome 3 open reading frame 6

[NPU46299](#)

DNA(spec.)—C3orf6 gene; seq.var. = ?

DNA(specification)—**C3orf8 gene;****sequence variation**

name of component: chromosome 3 open reading frame 8

[NPU44762](#)

DNA(spec.)—C3orf8 gene; seq.var. = ?

DNA(specification)—**C4A gene;****sequence variation**

name of component: complement component 4A

[NPU19226](#)

DNA(spec.)—C4A gene; seq.var. = ?

DNA(specification)—**C4B gene;****sequence variation**

name of component: complement component 4B

[NPU19227](#)

DNA(spec.)—C4B gene; seq.var. = ?

DNA(specification)—**C4BPA gene;****sequence variation**

name of component: complement component 4 binding protein, alpha

[NPU31079](#)

DNA(spec.)—C4BPA gene; seq.var. = ?

DNA(specification)—**C4BPAL1 gene;****sequence variation**

name of component: complement component 4 binding protein, alpha-like 1

[NPU31080](#)

DNA(spec.)—C4BPAL1 gene; seq.var. = ?

DNA(specification)—**C4BPAL2 gene;****sequence variation**

name of component: complement component 4 binding protein, alpha-like 2

[NPU31081](#)

DNA(spec.)—C4BPAL2 gene; seq.var. = ?

DNA(specification)—**C4BPB gene;****sequence variation**

name of component: complement component 4 binding protein, beta

[NPU31082](#)

DNA(spec.)—C4BPB gene; seq.var. = ?

DNA(specification)—**C4orf1 gene;****sequence variation**

name of component: chromosome 4 open reading frame 1

[NPU31083](#)

DNA(spec.)—C4orf1 gene; seq.var. = ?

DNA(specification)—**C4orf10 gene;****sequence variation**

name of component: chromosome 4 open reading frame 10

[NPU47485](#)

DNA(spec.)—C4orf10 gene; seq.var. = ?

DNA(specification)—**C4orf6 gene;****sequence variation**

name of component: chromosome 4 open reading frame 6

[NPU42284](#)

DNA(spec.)—C4orf6 gene; seq.var. = ?

DNA(specification)—**C4orf7 gene;****sequence variation**

name of component: chromosome 4 open reading frame 7

[NPU46919](#)

DNA(spec.)—C4orf7 gene; seq.var. = ?

DNA(specification)—**C4orf8 gene;****sequence variation**

name of component: chromosome 4 open reading frame 8

[NPU44721](#)

DNA(spec.)—C4orf8 gene; seq.var. = ?

DNA(specification)—**C4orf9 gene;****sequence variation**

name of component: chromosome 4 open reading frame 9

[NPU44720](#)

DNA(spec.)—C4orf9 gene; seq.var. = ?

DNA(specification)—**C5 gene;****sequence variation**

name of component: complement component 5

[NPU19228](#)

DNA(spec.)—C5 gene; seq.var. = ?

DNA(specification)—**C5orf1 gene;****sequence variation**

name of component: chromosome 5 open reading frame 1

[NPU31085](#)

DNA(spec.)—C5orf1 gene; seq.var. = ?

DNA(specification)—**C5orf10 gene;****sequence variation**

name of component: chromosome 5 open reading frame 10

[NPU46077](#)

DNA(spec.)—C5orf10 gene; seq.var. = ?

DNA(specification)—**C5orf11 gene;****sequence variation**

name of component: chromosome 5 open reading frame 11

[NPU46549](#)

DNA(spec.)—C5orf11 gene; seq.var. = ?

DNA(specification)—**C5orf12 gene;****sequence variation**

name of component: chromosome 5 open reading frame 12

[NPU46686](#)

DNA(spec.)—C5orf12 gene; seq.var. = ?

DNA(specification)—**C5orf13 gene;****sequence variation**

name of component: chromosome 5 open reading frame 13

[NPU44730](#)

DNA(spec.)—C5orf13 gene; seq.var. = ?

DNA(specification)—**C5orf3 gene;****sequence variation**

name of component: chromosome 5 open reading frame 3

[NPU31086](#)

DNA(spec.)—C5orf3 gene; seq.var. = ?

DNA(specification)—**C5orf4 gene;****sequence variation**

name of component: chromosome 5 open reading frame 4

[NPU31087](#)

DNA(spec.)—C5orf4 gene; seq.var. = ?

DNA(specification)—**C5orf5 gene;****sequence variation**

name of component: chromosome 5 open reading frame 5

[NPU31088](#)

DNA(spec.)—C5orf5 gene; seq.var. = ?

DNA(specification)—**C5orf6 gene;****sequence variation**

name of component: chromosome 5 open reading frame 6

[NPU31089](#)

DNA(spec.)—C5orf6 gene; seq.var. = ?

DNA(specification)—**C5orf7 gene;****sequence variation**

name of component: chromosome 5 open reading frame 7

[NPU31090](#)

DNA(spec.)—C5orf7 gene; seq.var. = ?

DNA(specification)—**C5orf8 gene;****sequence variation**

name of component: chromosome 5 open reading frame 8

[NPU44801](#)

DNA(spec.)—C5orf8 gene; seq.var. = ?

DNA(specification)—**C5R1 gene;****sequence variation**

name of component: complement component 5 receptor 1 (C5a ligand)

[NPU31091](#)

DNA(spec.)—C5R1 gene; seq.var. = ?

DNA(specification)—**C6 gene;****sequence variation**

name of component: complement component 6

[NPU19245](#)

DNA(spec.)—C6 gene; seq.var. = ?

DNA(specification)—
C6orf1 gene;
sequence variation
name of component: chromosome 6 open reading
frame 1
[NPU31092](#)
DNA(spec.)—C6orf1 gene; seq.var. = ?

DNA(specification)—
C6orf10 gene;
sequence variation
name of component: chromosome 6 open reading
frame 10
[NPU42393](#)
DNA(spec.)—C6orf10 gene; seq.var. = ?

DNA(specification)—
C6orf11 gene;
sequence variation
name of component: chromosome 6 open reading
frame 11
[NPU42394](#)
DNA(spec.)—C6orf11 gene; seq.var. = ?

DNA(specification)—
C6orf12 gene;
sequence variation
name of component: chromosome 6 open reading
frame 12
[NPU42395](#)
DNA(spec.)—C6orf12 gene; seq.var. = ?

DNA(specification)—
C6orf15 gene;
sequence variation
name of component: chromosome 6 open reading
frame 15
[NPU42396](#)
DNA(spec.)—C6orf15 gene; seq.var. = ?

DNA(specification)—
C6orf16 gene;
sequence variation
name of component: chromosome 6 open reading
frame 16
[NPU42397](#)
DNA(spec.)—C6orf16 gene; seq.var. = ?

DNA(specification)—
C6orf17 gene;
sequence variation
name of component: chromosome 6 open reading
frame 17
[NPU42398](#)
DNA(spec.)—C6orf17 gene; seq.var. = ?

DNA(specification)—
C6orf18 gene;
sequence variation
name of component: chromosome 6 open reading
frame 18
[NPU42399](#)
DNA(spec.)—C6orf18 gene; seq.var. = ?

DNA(specification)—
C6orf2 gene;
sequence variation
name of component: chromosome 6 open reading
frame 2
[NPU31093](#)
DNA(spec.)—C6orf2 gene; seq.var. = ?

DNA(specification)—
C6orf21 gene;
sequence variation
name of component: chromosome 6 open reading
frame 21
[NPU42402](#)
DNA(spec.)—C6orf21 gene; seq.var. = ?

DNA(specification)—
C6orf25 gene;
sequence variation
name of component: chromosome 6 open reading
frame 25
[NPU42406](#)
DNA(spec.)—C6orf25 gene; seq.var. = ?

DNA(specification)—
C6orf26 gene;
sequence variation
name of component: chromosome 6 open reading
frame 26
[NPU42407](#)
DNA(spec.)—C6orf26 gene; seq.var. = ?

DNA(specification)—
C6orf27 gene;
sequence variation
name of component: chromosome 6 open reading
frame 27
[NPU42408](#)
DNA(spec.)—C6orf27 gene; seq.var. = ?

DNA(specification)—
C6orf29 gene;
sequence variation
name of component: chromosome 6 open reading
frame 29
[NPU42410](#)
DNA(spec.)—C6orf29 gene; seq.var. = ?

DNA(specification)—
C6orf3 gene;
sequence variation
name of component: chromosome 6 open reading
frame 3
[NPU31094](#)
DNA(spec.)—C6orf3 gene; seq.var. = ?

DNA(specification)—
C6orf31 gene;
sequence variation
name of component: chromosome 6 open reading
frame 31
[NPU42411](#)
DNA(spec.)—C6orf31 gene; seq.var. = ?

DNA(specification)—
C6orf32 gene;
sequence variation
name of component: chromosome 6 open reading
frame 32
[NPU42367](#)
DNA(spec.)—C6orf32 gene; seq.var. = ?

DNA(specification)—
C6orf33 gene;
sequence variation
name of component: chromosome 6 open reading
frame 33
[NPU43840](#)
DNA(spec.)—C6orf33 gene; seq.var. = ?

DNA(specification)—
C6orf35 gene;
sequence variation
name of component: chromosome 6 open reading
frame 35
[NPU44917](#)
DNA(spec.)—C6orf35 gene; seq.var. = ?

DNA(specification)—
C6orf36 gene;
sequence variation
name of component: chromosome 6 open reading
frame 36
[NPU46205](#)
DNA(spec.)—C6orf36 gene; seq.var. = ?

DNA(specification)—
C6orf37 gene;
sequence variation
name of component: chromosome 6 open reading
frame 37
[NPU46417](#)
DNA(spec.)—C6orf37 gene; seq.var. = ?

DNA(specification)—
C6orf4 gene;
sequence variation
name of component: chromosome 6 open reading
frame 4
[NPU31095](#)
DNA(spec.)—C6orf4 gene; seq.var. = ?

DNA(specification)—
C6orf46 gene;
sequence variation
name of component: chromosome 6 open reading
frame 46
[NPU46837](#)
DNA(spec.)—C6orf46 gene; seq.var. = ?

DNA(specification)—
C6orf47 gene;
sequence variation
name of component: chromosome 6 open reading
frame 47
[NPU46844](#)
DNA(spec.)—C6orf47 gene; seq.var. = ?

DNA(specification)—
C6orf48 gene;
sequence variation
name of component: chromosome 6 open reading
frame 48
[NPU46846](#)
DNA(spec.)—C6orf48 gene; seq.var. = ?

DNA(specification)—
C6orf49 gene;
sequence variation
name of component: chromosome 6 open reading
frame 49
[NPU44708](#)
DNA(spec.)—C6orf49 gene; seq.var. = ?

DNA(specification)—
C6orf50 gene;
sequence variation
name of component: chromosome 6 open reading
frame 50
[NPU47643](#)
DNA(spec.)—C6orf50 gene; seq.var. = ?

DNA(specification)—
C6orf51 gene;
sequence variation
name of component: chromosome 6 open reading
frame 51
[NPU47789](#)
DNA(spec.)—C6orf51 gene; seq.var. = ?

DNA(specification)—
C6orf52 gene;
sequence variation
name of component: chromosome 6 open reading
frame 52
[NPU47796](#)
DNA(spec.)—C6orf52 gene; seq.var. = ?

DNA(specification)—
C6orf53 gene;
sequence variation
name of component: chromosome 6 open reading
frame 53
[NPU47801](#)
DNA(spec.)—C6orf53 gene; seq.var. = ?

DNA(specification)—
C6orf54 gene;
sequence variation
name of component: chromosome 6 open reading
frame 54
[NPU47802](#)
DNA(spec.)—C6orf54 gene; seq.var. = ?

DNA(specification)—
C6orf55 gene;
sequence variation
name of component: chromosome 6 open reading
frame 55
[NPU47803](#)
DNA(spec.)—C6orf55 gene; seq.var. = ?

DNA(specification)—
C6orf56 gene;
sequence variation
name of component: chromosome 6 open reading
frame 56
[NPU47804](#)
DNA(spec.)—C6orf56 gene; seq.var. = ?

DNA(specification)—
C6orf57 gene;
sequence variation
name of component: chromosome 6 open reading
frame 57
[NPU47805](#)
DNA(spec.)—C6orf57 gene; seq.var. = ?

DNA(specification)—
C6orf58 gene;
sequence variation
name of component: chromosome 6 open reading
frame 58
[NPU47807](#)
DNA(spec.)—C6orf58 gene; seq.var. = ?

DNA(specification)—
C6orf59 gene;
sequence variation
name of component: chromosome 6 open reading
frame 59
[NPU47817](#)
DNA(spec.)—C6orf59 gene; seq.var. = ?

DNA(specification)—
C6orf60 gene;
sequence variation
name of component: chromosome 6 open reading
frame 60
[NPU47820](#)
DNA(spec.)—C6orf60 gene; seq.var. = ?

DNA(specification)—
C6orf61 gene;
sequence variation
name of component: chromosome 6 open reading
frame 61
[NPU46324](#)
DNA(spec.)—C6orf61 gene; seq.var. = ?

DNA(specification)—
C6orf62 gene;
sequence variation
name of component: chromosome 6 open reading
frame 62
[NPU47827](#)
DNA(spec.)—C6orf62 gene; seq.var. = ?

DNA(specification)—
C6orf63 gene;
sequence variation
name of component: chromosome 6 open reading
frame 63
[NPU47833](#)
DNA(spec.)—C6orf63 gene; seq.var. = ?

DNA(specification)—
C6orf64 gene;
sequence variation
name of component: chromosome 6 open reading
frame 64
[NPU47835](#)
DNA(spec.)—C6orf64 gene; seq.var. = ?

DNA(specification)—
C6orf65 gene;
sequence variation
name of component: chromosome 6 open reading
frame 65
[NPU47788](#)
DNA(spec.)—C6orf65 gene; seq.var. = ?

DNA(specification)—
C6orf66 gene;
sequence variation
name of component: chromosome 6 open reading
frame 66
[NPU47840](#)
DNA(spec.)—C6orf66 gene; seq.var. = ?

DNA(specification)—
C6orf67 gene;
sequence variation
name of component: chromosome 6 open reading
frame 67
[NPU44629](#)
DNA(spec.)—C6orf67 gene; seq.var. = ?

DNA(specification)—
C6orf68 gene;
sequence variation
name of component: chromosome 6 open reading
frame 68
[NPU47842](#)
DNA(spec.)—C6orf68 gene; seq.var. = ?

DNA(specification)—
C6orf69 gene;
sequence variation
name of component: chromosome 6 open reading
frame 69
[NPU47848](#)
DNA(spec.)—C6orf69 gene; seq.var. = ?

DNA(specification)—
C6orf7 gene;
sequence variation
name of component: chromosome 6 open reading
frame 7
[NPU42517](#)
DNA(spec.)—C6orf7 gene; seq.var. = ?

DNA(specification)—
C6orf76 gene;
sequence variation
name of component: chromosome 6 open reading
frame 76
[NPU47862](#)
DNA(spec.)—C6orf76 gene; seq.var. = ?

DNA(specification)—
C6orf78 gene;
sequence variation
name of component: chromosome 6 open reading
frame 78
[NPU47863](#)
DNA(spec.)—C6orf78 gene; seq.var. = ?

DNA(specification)—
C6orf79 gene;
sequence variation
name of component: chromosome 6 open reading
frame 79
[NPU47866](#)
DNA(spec.)—C6orf79 gene; seq.var. = ?

DNA(specification)—
C6orf80 gene;
sequence variation
name of component: chromosome 6 open reading
frame 80
[NPU47867](#)
DNA(spec.)—C6orf80 gene; seq.var. = ?

DNA(specification)—
C6orf81 gene;
sequence variation
name of component: chromosome 6 open reading
frame 81
[NPU47868](#)
DNA(spec.)—C6orf81 gene; seq.var. = ?

DNA(specification)—
C6orf82 gene;
sequence variation
name of component: chromosome 6 open reading
frame 82
[NPU47870](#)
DNA(spec.)—C6orf82 gene; seq.var. = ?

DNA(specification)—
C6orf83 gene;
sequence variation
name of component: chromosome 6 open reading
frame 83
[NPU47871](#)
DNA(spec.)—C6orf83 gene; seq.var. = ?

DNA(specification)—
C6orf84 gene;
sequence variation
name of component: chromosome 6 open reading
frame 84
[NPU47873](#)
DNA(spec.)—C6orf84 gene; seq.var. = ?

DNA(specification)—
C6orf85 gene;
sequence variation
name of component: chromosome 6 open reading
frame 85
[NPU47872](#)
DNA(spec.)—C6orf85 gene; seq.var. = ?

DNA(specification)—
C6orf89 gene;
sequence variation
name of component: chromosome 6 open reading
frame 89
[NPU47875](#)
DNA(spec.)—C6orf89 gene; seq.var. = ?

DNA(specification)—
C6orf9 gene;
sequence variation
name of component: chromosome 6 open reading
frame 9
[NPU42413](#)
DNA(spec.)—C6orf9 gene; seq.var. = ?

DNA(specification)—
C6orf93 gene;
sequence variation
name of component: chromosome 6 open reading
frame 93
[NPU47897](#)
DNA(spec.)—C6orf93 gene; seq.var. = ?

DNA(specification)—
C6orf96 gene;
sequence variation
name of component: chromosome 6 open reading
frame 96
[NPU47898](#)
DNA(spec.)—C6orf96 gene; seq.var. = ?

DNA(specification)—
C6orf97 gene;
sequence variation
name of component: chromosome 6 open reading
frame 97
[NPU47899](#)
DNA(spec.)—C6orf97 gene; seq.var. = ?

DNA(specification)—
C7 gene;
sequence variation
name of component: complement component 7
[NPU19246](#)
DNA(spec.)—C7 gene; seq.var. = ?

DNA(specification)—
C7orf10 gene;
sequence variation
name of component: chromosome 7 open reading
frame 10
[NPU44074](#)
DNA(spec.)—C7orf10 gene; seq.var. = ?

DNA(specification)—
C7orf11 gene;
sequence variation
name of component: chromosome 7 open reading
frame 11
[NPU44075](#)
DNA(spec.)—C7orf11 gene; seq.var. = ?

DNA(specification)—
C7orf13 gene;
sequence variation
name of component: chromosome 7 open reading
frame 13
[NPU44866](#)
DNA(spec.)—C7orf13 gene; seq.var. = ?

DNA(specification)—
C7orf14 gene;
sequence variation
name of component: chromosome 7 open reading
frame 14
[NPU46601](#)
DNA(spec.)—C7orf14 gene; seq.var. = ?

DNA(specification)—
C7orf16 gene;
sequence variation
name of component: chromosome 7 open reading
frame 16
[NPU44794](#)
DNA(spec.)—C7orf16 gene; seq.var. = ?

DNA(specification)—
C7orf2 gene;
sequence variation
name of component: chromosome 7 open reading
frame 2
[NPU42061](#)
DNA(spec.)—C7orf2 gene; seq.var. = ?

DNA(specification)—
C7orf3 gene;
sequence variation
name of component: chromosome 7 open reading
frame 3
[NPU42062](#)
DNA(spec.)—C7orf3 gene; seq.var. = ?

DNA(specification)—
C7orf4 gene;
sequence variation
name of component: chromosome 7 open reading
frame 4
[NPU42063](#)
DNA(spec.)—C7orf4 gene; seq.var. = ?

DNA(specification)—
C7orf5 gene;
sequence variation
name of component: chromosome 7 open reading
frame 5
[NPU31096](#)
DNA(spec.)—C7orf5 gene; seq.var. = ?

DNA(specification)—
C7orf6 gene;
sequence variation
name of component: chromosome 7 open reading
frame 6
[NPU31097](#)
DNA(spec.)—C7orf6 gene; seq.var. = ?

DNA(specification)—
C7orf7 gene;
sequence variation
name of component: chromosome 7 open reading
frame 7
[NPU31098](#)
DNA(spec.)—C7orf7 gene; seq.var. = ?

DNA(specification)—
C8A gene;
sequence variation
name of component: complement component 8,
alpha polypeptide
[NPU19230](#)
DNA(spec.)—C8A gene; seq.var. = ?

DNA(specification)—
C8B gene;
sequence variation
name of component: complement component 8,
beta polypeptide
[NPU19231](#)
DNA(spec.)—C8B gene; seq.var. = ?

DNA(specification)—
C8G gene;
sequence variation
name of component: complement component 8,
gamma polypeptide
[NPU31099](#)
DNA(spec.)—C8G gene; seq.var. = ?

DNA(specification)—
C8orf1 gene;
sequence variation
name of component: chromosome 8 open reading
frame 1
[NPU31100](#)
DNA(spec.)—C8orf1 gene; seq.var. = ?

DNA(specification)—
C8orf12 gene;
sequence variation
name of component: chromosome 8 open reading
frame 12
[NPU43735](#)
DNA(spec.)—C8orf12 gene; seq.var. = ?

DNA(specification)—
C8orf13 gene;
sequence variation
name of component: chromosome 8 open reading
frame 13
[NPU43736](#)
DNA(spec.)—C8orf13 gene; seq.var. = ?

DNA(specification)—
C8orf14 gene;
sequence variation
name of component: chromosome 8 open reading
frame 14
[NPU43728](#)
DNA(spec.)—C8orf14 gene; seq.var. = ?

DNA(specification)—
C8orf15 gene;
sequence variation
name of component: chromosome 8 open reading
frame 15
[NPU43793](#)
DNA(spec.)—C8orf15 gene; seq.var. = ?

DNA(specification)—
C8orf16 gene;
sequence variation
name of component: chromosome 8 open reading
frame 16
[NPU43794](#)
DNA(spec.)—C8orf16 gene; seq.var. = ?

DNA(specification)—
C8orf17 gene;
sequence variation
name of component: chromosome 8 open reading
frame 17
[NPU46085](#)
DNA(spec.)—C8orf17 gene; seq.var. = ?

DNA(specification)—
C8orf2 gene;
sequence variation
name of component: chromosome 8 open reading
frame 2
[NPU31101](#)
DNA(spec.)—C8orf2 gene; seq.var. = ?

DNA(specification)—
C8orf4 gene;
sequence variation
name of component: chromosome 8 open reading
frame 4
[NPU31102](#)
DNA(spec.)—C8orf4 gene; seq.var. = ?

DNA(specification)—
C8orf5 gene;
sequence variation
name of component: chromosome 8 open reading
frame 5
[NPU43729](#)
DNA(spec.)—C8orf5 gene; seq.var. = ?

DNA(specification)—
C8orf6 gene;
sequence variation
name of component: chromosome 8 open reading
frame 6
[NPU43730](#)
DNA(spec.)—C8orf6 gene; seq.var. = ?

DNA(specification)—
C8orf7 gene;
sequence variation
name of component: chromosome 8 open reading
frame 7
[NPU43731](#)
DNA(spec.)—C8orf7 gene; seq.var. = ?

DNA(specification)—
C8orf8 gene;
sequence variation
name of component: chromosome 8 open reading
frame 8
[NPU43732](#)
DNA(spec.)—C8orf8 gene; seq.var. = ?

DNA(specification)—
C9 gene;
sequence variation
name of component: complement component 9
[NPU19229](#)
DNA(spec.)—C9 gene; seq.var. = ?

DNA(specification)—
C9orf10 gene;
sequence variation
name of component: chromosome 9 open reading
frame 10
[NPU42064](#)
DNA(spec.)—C9orf10 gene; seq.var. = ?

DNA(specification)—
C9orf11 gene;
sequence variation
name of component: chromosome 9 open reading
frame 11
[NPU31103](#)
DNA(spec.)—C9orf11 gene; seq.var. = ?

DNA(specification)—
C9orf12 gene;
sequence variation
name of component: chromosome 9 open reading
frame 12
[NPU42917](#)
DNA(spec.)—C9orf12 gene; seq.var. = ?

DNA(specification)—
C9orf13 gene;
sequence variation
name of component: chromosome 9 open reading
frame 13
[NPU44061](#)
DNA(spec.)—C9orf13 gene; seq.var. = ?

DNA(specification)—
C9orf14 gene;
sequence variation
name of component: chromosome 9 open reading
frame 14
[NPU44495](#)
DNA(spec.)—C9orf14 gene; seq.var. = ?

DNA(specification)—
C9orf16 gene;
sequence variation
name of component: chromosome 9 open reading
frame 16
[NPU46121](#)
DNA(spec.)—C9orf16 gene; seq.var. = ?

DNA(specification)—
C9orf17 gene;
sequence variation
name of component: chromosome 9 open reading
frame 17
[NPU46136](#)
DNA(spec.)—C9orf17 gene; seq.var. = ?

DNA(specification)—
C9orf18 gene;
sequence variation
name of component: chromosome 9 open reading
frame 18
[NPU46138](#)
DNA(spec.)—C9orf18 gene; seq.var. = ?

DNA(specification)—**C9orf19 gene;****sequence variation**

name of component: chromosome 9 open reading frame 19

[NPU46223](#)

DNA(spec.)—C9orf19 gene; seq.var. = ?

DNA(specification)—**C9orf20 gene;****sequence variation**

name of component: chromosome 9 open reading frame 20

[NPU46301](#)

DNA(spec.)—C9orf20 gene; seq.var. = ?

DNA(specification)—**C9orf21 gene;****sequence variation**

name of component: chromosome 9 open reading frame 21

[NPU44757](#)

DNA(spec.)—C9orf21 gene; seq.var. = ?

DNA(specification)—**C9orf23 gene;****sequence variation**

name of component: chromosome 9 open reading frame 23

[NPU47306](#)

DNA(spec.)—C9orf23 gene; seq.var. = ?

DNA(specification)—**C9orf24 gene;****sequence variation**

name of component: chromosome 9 open reading frame 24

[NPU47310](#)

DNA(spec.)—C9orf24 gene; seq.var. = ?

DNA(specification)—**C9orf25 gene;****sequence variation**

name of component: chromosome 9 open reading frame 25

[NPU47311](#)

DNA(spec.)—C9orf25 gene; seq.var. = ?

DNA(specification)—**C9orf3 gene;****sequence variation**

name of component: chromosome 9 open reading frame 3

[NPU31104](#)

DNA(spec.)—C9orf3 gene; seq.var. = ?

DNA(specification)—**C9orf4 gene;****sequence variation**

name of component: chromosome 9 open reading frame 4

[NPU31105](#)

DNA(spec.)—C9orf4 gene; seq.var. = ?

DNA(specification)—**C9orf5 gene;****sequence variation**

name of component: chromosome 9 open reading frame 5

[NPU31106](#)

DNA(spec.)—C9orf5 gene; seq.var. = ?

DNA(specification)—**C9orf6 gene;****sequence variation**

name of component: chromosome 9 open reading frame 6

[NPU31107](#)

DNA(spec.)—C9orf6 gene; seq.var. = ?

DNA(specification)—**C9orf7 gene;****sequence variation**

name of component: chromosome 9 open reading frame 7

[NPU31108](#)

DNA(spec.)—C9orf7 gene; seq.var. = ?

DNA(specification)—**C9orf9 gene;****sequence variation**

name of component: chromosome 9 open reading frame 9

[NPU31110](#)

DNA(spec.)—C9orf9 gene; seq.var. = ?

DNA(specification)—**CA1 gene;****sequence variation**

name of component: carbonic anhydrase I

[NPU31111](#)

DNA(spec.)—CA1 gene; seq.var. = ?

DNA(specification)—**CA10 gene;****sequence variation**

name of component: carbonic anhydrase X

[NPU31112](#)

DNA(spec.)—CA10 gene; seq.var. = ?

DNA(specification)—**CA11 gene;****sequence variation**

name of component: carbonic anhydrase XI

[NPU31113](#)

DNA(spec.)—CA11 gene; seq.var. = ?

DNA(specification)—**CA12 gene;****sequence variation**

name of component: carbonic anhydrase XII

[NPU31114](#)

DNA(spec.)—CA12 gene; seq.var. = ?

DNA(specification)—**CA14 gene;****sequence variation**

name of component: carbonic anhydrase XIV

[NPU31115](#)

DNA(spec.)—CA14 gene; seq.var. = ?

DNA(specification)—**CA2 gene;****sequence variation**

name of component: carbonic anhydrase II

[NPU31116](#)

DNA(spec.)—CA2 gene; seq.var. = ?

DNA(specification)—**CA3 gene;****sequence variation**

name of component: carbonic anhydrase III, muscle specific

[NPU31117](#)

DNA(spec.)—CA3 gene; seq.var. = ?

DNA(specification)—**CA4 gene;****sequence variation**

name of component: carbonic anhydrase IV

[NPU31118](#)

DNA(spec.)—CA4 gene; seq.var. = ?

DNA(specification)—**CA5A gene;****sequence variation**

name of component: carbonic anhydrase VA, mitochondrial

[NPU31119](#)

DNA(spec.)—CA5A gene; seq.var. = ?

DNA(specification)—**CA5B gene;****sequence variation**

name of component: carbonic anhydrase VB, mitochondrial

[NPU31120](#)

DNA(spec.)—CA5B gene; seq.var. = ?

DNA(specification)—**CA5P gene;****sequence variation**

name of component: carbonic anhydrase V pseudogene

[NPU31121](#)

DNA(spec.)—CA5P gene; seq.var. = ?

DNA(specification)—**CA6 gene;****sequence variation**

name of component: carbonic anhydrase VI

[NPU31122](#)

DNA(spec.)—CA6 gene; seq.var. = ?

DNA(specification)—**CA7 gene;****sequence variation**

name of component: carbonic anhydrase VII

[NPU31123](#)

DNA(spec.)—CA7 gene; seq.var. = ?

DNA(specification)—**CA8 gene;****sequence variation**

name of component: carbonic anhydrase VIII

[NPU31124](#)

DNA(spec.)—CA8 gene; seq.var. = ?

DNA(specification)—**CA9 gene;****sequence variation**

name of component: carbonic anhydrase IX

[NPU31125](#)

DNA(spec.)—CA9 gene; seq.var. = ?

DNA(specification)—**CABC1 gene;****sequence variation**

name of component: chaperone, ABC1 activity of bc1 complex like (S. pombe)

[NPU44711](#)

DNA(spec.)—CABC1 gene; seq.var. = ?

DNA(specification)—**CABP1 gene;****sequence variation**

name of component: calcium binding protein 1 (calbrain)

[NPU31126](#)

DNA(spec.)—CABP1 gene; seq.var. = ?

DNA(specification)—**CABP2 gene;****sequence variation**

name of component: calcium binding protein 2

[NPU31127](#)

DNA(spec.)—CABP2 gene; seq.var. = ?

DNA(specification)—**CABP3 gene;****sequence variation**

name of component: calcium binding protein 3

[NPU44038](#)

DNA(spec.)—CABP3 gene; seq.var. = ?

DNA(specification)—**CABP4 gene;****sequence variation**

name of component: calcium binding protein 4

[NPU31128](#)

DNA(spec.)—CABP4 gene; seq.var. = ?

DNA(specification)—**CABP5 gene;****sequence variation**

name of component: calcium binding protein 5

[NPU42283](#)

DNA(spec.)—CABP5 gene; seq.var. = ?

DNA(specification)—**CABYR gene;****sequence variation**

name of component: calcium-binding tyrosine-(Y)-phosphorylation regulated (fibrousheathin 2)

[NPU43746](#)

DNA(spec.)—CABYR gene; seq.var. = ?

DNA(specification)—**CACD gene;****sequence variation**

name of component: central areolar choroidal dys-trophy

[NPU31129](#)

DNA(spec.)—CACD gene; seq.var. = ?

DNA(specification)—**CACNA1A gene;****sequence variation**

name of component: calcium channel, voltage-dependent, P/Q type, alpha 1A subunit

[NPU19031](#)

DNA(spec.)—CACNA1A gene; seq.var. = ?

DNA(specification)—**CACNA1B gene;****sequence variation**

name of component: calcium channel, voltage-dependent, L type, alpha 1B subunit

[NPU31130](#)

DNA(spec.)—CACNA1B gene; seq.var. = ?

DNA(specification)—**CACNA1C gene;****sequence variation**

name of component: calcium channel, voltage-dependent, L type, alpha 1C subunit

[NPU31131](#)

DNA(spec.)—CACNA1C gene; seq.var. = ?

DNA(specification)—**CACNA1D gene;****sequence variation**

name of component: calcium channel, voltage-dependent, L type, alpha 1D subunit

[NPU31132](#)

DNA(spec.)—CACNA1D gene; seq.var. = ?

DNA(specification)—**CACNA1E gene;****sequence variation**

name of component: calcium channel, voltage-dependent, alpha 1E subunit

[NPU31133](#)

DNA(spec.)—CACNA1E gene; seq.var. = ?

DNA(specification)—**CACNA1F gene;****sequence variation**

name of component: calcium channel, voltage-dependent, alpha 1F subunit

[NPU31134](#)

DNA(spec.)—CACNA1F gene; seq.var. = ?

DNA(specification)—**CACNA1G gene;****sequence variation**

name of component: calcium channel, voltage-dependent, alpha 1G subunit

[NPU31135](#)

DNA(spec.)—CACNA1G gene; seq.var. = ?

DNA(specification)—**CACNA1H gene;****sequence variation**

name of component: calcium channel, voltage-dependent, alpha 1H subunit

[NPU31136](#)

DNA(spec.)—CACNA1H gene; seq.var. = ?

DNA(specification)—**CACNA1I gene;****sequence variation**

name of component: calcium channel, voltage-dependent, alpha 1I subunit

[NPU31137](#)

DNA(spec.)—CACNA1I gene; seq.var. = ?

DNA(specification)—**CACNA1S gene;****sequence variation**

name of component: calcium channel, voltage-dependent, L type, alpha 1S subunit

[NPU19032](#)

DNA(spec.)—CACNA1S gene; seq.var. = ?

DNA(specification)—
CACNA2D1 gene;
sequence variation
name of component: calcium channel, voltage-dependent, alpha 2/delta subunit 1
[NPU31138](#)
DNA(spec.)—CACNA2D1 gene; seq.var. = ?

DNA(specification)—
CACNA2D2 gene;
sequence variation
name of component: calcium channel, voltage-dependent, alpha 2/delta subunit 2
[NPU31139](#)
DNA(spec.)—CACNA2D2 gene; seq.var. = ?

DNA(specification)—
CACNA2D3 gene;
sequence variation
name of component: calcium channel, voltage-dependent, alpha 2/delta 3 subunit
[NPU43676](#)
DNA(spec.)—CACNA2D3 gene; seq.var. = ?

DNA(specification)—
CACNA2D4 gene;
sequence variation
name of component: calcium channel, voltage-dependent, alpha 2/delta subunit 4
[NPU47483](#)
DNA(spec.)—CACNA2D4 gene; seq.var. = ?

DNA(specification)—
CACNB1 gene;
sequence variation
name of component: calcium channel, voltage-dependent, beta 1 subunit
[NPU31140](#)
DNA(spec.)—CACNB1 gene; seq.var. = ?

DNA(specification)—
CACNB2 gene;
sequence variation
name of component: calcium channel, voltage-dependent, beta 2 subunit
[NPU31141](#)
DNA(spec.)—CACNB2 gene; seq.var. = ?

DNA(specification)—
CACNB3 gene;
sequence variation
name of component: calcium channel, voltage-dependent, beta 3 subunit
[NPU31142](#)
DNA(spec.)—CACNB3 gene; seq.var. = ?

DNA(specification)—
CACNB4 gene;
sequence variation
name of component: calcium channel, voltage-dependent, beta 4 subunit
[NPU31143](#)
DNA(spec.)—CACNB4 gene; seq.var. = ?

DNA(specification)—
CACNG1 gene;
sequence variation
name of component: calcium channel, voltage-dependent, gamma subunit 1
[NPU31144](#)
DNA(spec.)—CACNG1 gene; seq.var. = ?

DNA(specification)—
CACNG2 gene;
sequence variation
name of component: calcium channel, voltage-dependent, gamma subunit 2
[NPU31145](#)
DNA(spec.)—CACNG2 gene; seq.var. = ?

DNA(specification)—
CACNG3 gene;
sequence variation
name of component: calcium channel, voltage-dependent, gamma subunit 3
[NPU31146](#)
DNA(spec.)—CACNG3 gene; seq.var. = ?

DNA(specification)—
CACNG4 gene;
sequence variation
name of component: calcium channel, voltage-dependent, gamma subunit 4
[NPU31147](#)
DNA(spec.)—CACNG4 gene; seq.var. = ?

DNA(specification)—
CACNG5 gene;
sequence variation
name of component: calcium channel, voltage-dependent, gamma subunit 5
[NPU31148](#)
DNA(spec.)—CACNG5 gene; seq.var. = ?

DNA(specification)—
CACNG6 gene;
sequence variation
name of component: calcium channel, voltage-dependent, gamma subunit 6
[NPU42239](#)
DNA(spec.)—CACNG6 gene; seq.var. = ?

DNA(specification)—**CACNG7 gene;****sequence variation**

name of component: calcium channel, voltage-dependent, gamma subunit 7

[NPU42240](#)

DNA(spec.)—CACNG7 gene; seq.var. = ?

DNA(specification)—**CACNG8 gene;****sequence variation**

name of component: calcium channel, voltage-dependent, gamma subunit 8

[NPU42241](#)

DNA(spec.)—CACNG8 gene; seq.var. = ?

DNA(specification)—**CAD gene;****sequence variation**

name of component: carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydro-orotase

[NPU31151](#)

DNA(spec.)—CAD gene; seq.var. = ?

DNA(specification)—**CADPS gene;****sequence variation**

name of component: Ca²⁺-dependent activator protein for secretion

[NPU31152](#)

DNA(spec.)—CADPS gene; seq.var. = ?

DNA(specification)—**CADPS2 gene;****sequence variation**

name of component: Ca²⁺-dependent activator protein for secretion 2

[NPU44086](#)

DNA(spec.)—CADPS2 gene; seq.var. = ?

DNA(specification)—**CALB1 gene;****sequence variation**

name of component: calbindin 1, 28 kDa

[NPU31153](#)

DNA(spec.)—CALB1 gene; seq.var. = ?

DNA(specification)—**CALB2 gene;****sequence variation**

name of component: calbindin 2, 29 kDa (cal-retinin)

[NPU31154](#)

DNA(spec.)—CALB2 gene; seq.var. = ?

DNA(specification)—**CALB3 gene;****sequence variation**

name of component: calbindin 3, (vitamin D-dependent calcium binding protein)

[NPU31155](#)

DNA(spec.)—CALB3 gene; seq.var. = ?

DNA(specification)—**CALCA gene;****sequence variation**

name of component: calcitonin/calcitonin-related polypeptide, alpha

[NPU31156](#)

DNA(spec.)—CALCA gene; seq.var. = ?

DNA(specification)—**CALCB gene;****sequence variation**

name of component: calcitonin-related polypeptide, beta

[NPU31157](#)

DNA(spec.)—CALCB gene; seq.var. = ?

DNA(specification)—**CALCP gene;****sequence variation**

name of component: calcitonin pseudogene

[NPU31158](#)

DNA(spec.)—CALCP gene; seq.var. = ?

DNA(specification)—**CALCR gene;****sequence variation**

name of component: calcitonin receptor

[NPU31159](#)

DNA(spec.)—CALCR gene; seq.var. = ?

DNA(specification)—**CALCRL gene;****sequence variation**

name of component: calcitonin receptor-like

[NPU44650](#)

DNA(spec.)—CALCRL gene; seq.var. = ?

DNA(specification)—**CALD1 gene;****sequence variation**

name of component: caldesmon 1

[NPU31160](#)

DNA(spec.)—CALD1 gene; seq.var. = ?

DNA(specification)—**CALM1 gene;****sequence variation**

name of component: calmodulin 1 (phosphorylase kinase, delta)

[NPU31161](#)

DNA(spec.)—CALM1 gene; seq.var. = ?

DNA(specification)—**CALM1P1 gene;****sequence variation**

name of component: calmodulin 1 (phosphorylase kinase, delta) pseudogene 1

[NPU31162](#)

DNA(spec.)—CALM1P1 gene; seq.var. = ?

DNA(specification)—**CALM1P2 gene;****sequence variation**

name of component: calmodulin 1 (phosphorylase kinase, delta) pseudogene 2

[NPU31163](#)

DNA(spec.)—CALM1P2 gene; seq.var. = ?

DNA(specification)—**CALM2 gene;****sequence variation**

name of component: calmodulin 2 (phosphorylase kinase, delta)

[NPU31164](#)

DNA(spec.)—CALM2 gene; seq.var. = ?

DNA(specification)—**CALM2P1 gene;****sequence variation**

name of component: calmodulin 2 pseudogene 1

[NPU31165](#)

DNA(spec.)—CALM2P1 gene; seq.var. = ?

DNA(specification)—**CALM2P2 gene;****sequence variation**

name of component: calmodulin 2 pseudogene 2

[NPU31166](#)

DNA(spec.)—CALM2P2 gene; seq.var. = ?

DNA(specification)—**CALM2P3 gene;****sequence variation**

name of component: calmodulin 2 pseudogene 3

[NPU31167](#)

DNA(spec.)—CALM2P3 gene; seq.var. = ?

DNA(specification)—**CALM3 gene;****sequence variation**

name of component: calmodulin 3 (phosphorylase kinase, delta)

[NPU31168](#)

DNA(spec.)—CALM3 gene; seq.var. = ?

DNA(specification)—**CALML1 gene;****sequence variation**

name of component: calmodulin-like 1

[NPU31169](#)

DNA(spec.)—CALML1 gene; seq.var. = ?

DNA(specification)—**CALML3 gene;****sequence variation**

name of component: calmodulin-like 3

[NPU31170](#)

DNA(spec.)—CALML3 gene; seq.var. = ?

DNA(specification)—**CALN1 gene;****sequence variation**

name of component: calneuron 1

[NPU42065](#)

DNA(spec.)—CALN1 gene; seq.var. = ?

DNA(specification)—**CALR gene;****sequence variation**

name of component: calreticulin

[NPU31171](#)

DNA(spec.)—CALR gene; seq.var. = ?

DNA(specification)—**CALR3 gene;****sequence variation**

name of component: calreticulin 3

[NPU47607](#)

DNA(spec.)—CALR3 gene; seq.var. = ?

DNA(specification)—**CALU gene;****sequence variation**

name of component: calumenin

[NPU31172](#)

DNA(spec.)—CALU gene; seq.var. = ?

DNA(specification)—**CAMK1 gene;****sequence variation**

name of component: calcium/calmodulin-dependent protein kinase I

[NPU31173](#)

DNA(spec.)—CAMK1 gene; seq.var. = ?

DNA(specification)—**CAMK1G gene;****sequence variation**

name of component: calcium/calmodulin-dependent protein kinase IG

[NPU42881](#)

DNA(spec.)—CAMK1G gene; seq.var. = ?

DNA(specification)—**CAMK2A gene;****sequence variation**

name of component: calcium/calmodulin-dependent protein kinase (CaM kinase) II alpha

[NPU31174](#)

DNA(spec.)—CAMK2A gene; seq.var. = ?

DNA(specification)—**CAMK2B gene;****sequence variation**

name of component: calcium/calmodulin-dependent protein kinase (CaM kinase) II beta

[NPU31175](#)

DNA(spec.)—CAMK2B gene; seq.var. = ?

DNA(specification)—**CAMK2D gene;****sequence variation**

name of component: calcium/calmodulin-dependent protein kinase (CaM kinase) II delta

[NPU31176](#)

DNA(spec.)—CAMK2D gene; seq.var. = ?

DNA(specification)—**CAMK2G gene;****sequence variation**

name of component: calcium/calmodulin-dependent protein kinase (CaM kinase) II gamma

[NPU31177](#)

DNA(spec.)—CAMK2G gene; seq.var. = ?

DNA(specification)—**CAMK4 gene;****sequence variation**

name of component: calcium/calmodulin-dependent protein kinase IV

[NPU31178](#)

DNA(spec.)—CAMK4 gene; seq.var. = ?

DNA(specification)—**CAMKK1 gene;****sequence variation**

name of component: calcium/calmodulin-dependent protein kinase kinase 1, alpha

[NPU31179](#)

DNA(spec.)—CAMKK1 gene; seq.var. = ?

DNA(specification)—**CAMKK2 gene;****sequence variation**

name of component: calcium/calmodulin-dependent protein kinase kinase 2, beta

[NPU31180](#)

DNA(spec.)—CAMKK2 gene; seq.var. = ?

DNA(specification)—**CAMLG gene;****sequence variation**

name of component: calcium modulating ligand

[NPU31181](#)

DNA(spec.)—CAMLG gene; seq.var. = ?

DNA(specification)—**CAMP gene;****sequence variation**

name of component: cathelicidin antimicrobial peptide

[NPU31182](#)

DNA(spec.)—CAMP gene; seq.var. = ?

DNA(specification)—**CAMTA1 gene;****sequence variation**

name of component: calmodulin binding transcription activator 1

[NPU46674](#)

DNA(spec.)—CAMTA1 gene; seq.var. = ?

DNA(specification)—**CAMTA2 gene;****sequence variation**

name of component: calmodulin binding transcription activator 2

[NPU46675](#)

DNA(spec.)—CAMTA2 gene; seq.var. = ?

DNA(specification)—**CANDN1 gene;****sequence variation**

name of component: candidiasis, nail 1 (with ICAM1 deficiency)

[NPU47714](#)

DNA(spec.)—CANDN1 gene; seq.var. = ?

DNA(specification)—**CANX gene;****sequence variation**

name of component: calnexin

[NPU31183](#)

DNA(spec.)—CANX gene; seq.var. = ?

DNA(specification)—**CAP2 gene;****sequence variation**

name of component: CAP, adenylate cyclase-associated protein, 2 (yeast)

[NPU47381](#)

DNA(spec.)—CAP2 gene; seq.var. = ?

DNA(specification)—**CAP2P1 gene;****sequence variation**

name of component: CAP, adenylate cyclase-associated protein, 2 (yeast) pseudogene 1

[NPU47448](#)

DNA(spec.)—CAP2P1 gene; seq.var. = ?

DNA(specification)—**CAPG gene;****sequence variation**

name of component: capping protein (actin filament), gelsolin-like

[NPU31184](#)

DNA(spec.)—CAPG gene; seq.var. = ?

DNA(specification)—**CAPN1 gene;****sequence variation**

name of component: calpain 1, (μ /I) large subunit

[NPU31185](#)

DNA(spec.)—CAPN1 gene; seq.var. = ?

DNA(specification)—**CAPN10 gene;****sequence variation**

name of component: calpain 10

[NPU31186](#)

DNA(spec.)—CAPN10 gene; seq.var. = ?

DNA(specification)—**CAPN11 gene;****sequence variation**

name of component: calpain 11

[NPU31187](#)

DNA(spec.)—CAPN11 gene; seq.var. = ?

DNA(specification)—**CAPN2 gene;****sequence variation**

name of component: calpain 2, (m /II) large subunit

[NPU31188](#)

DNA(spec.)—CAPN2 gene; seq.var. = ?

DNA(specification)—**CAPN3 gene;****sequence variation**

name of component: calpain 3, (p94)

[NPU31189](#)

DNA(spec.)—CAPN3 gene; seq.var. = ?

DNA(specification)—**CAPN5 gene;****sequence variation**

name of component: calpain 5

[NPU31191](#)

DNA(spec.)—CAPN5 gene; seq.var. = ?

DNA(specification)—**CAPN6 gene;****sequence variation**

name of component: calpain 6

[NPU31192](#)

DNA(spec.)—CAPN6 gene; seq.var. = ?

DNA(specification)—**CAPN7 gene;****sequence variation**

name of component: calpain 7

[NPU31193](#)

DNA(spec.)—CAPN7 gene; seq.var. = ?

DNA(specification)—**CAPN8 gene;****sequence variation**

name of component: calpain 8 (nCL-2)

[NPU31194](#)

DNA(spec.)—CAPN8 gene; seq.var. = ?

DNA(specification)—**CAPN9 gene;****sequence variation**

name of component: calpain 9 (nCL-4)

[NPU31195](#)

DNA(spec.)—CAPN9 gene; seq.var. = ?

DNA(specification)—**CAPNS1 gene;****sequence variation**

name of component: calpain, small subunit 1

[NPU31190](#)

DNA(spec.)—CAPNS1 gene; seq.var. = ?

DNA(specification)—**CAPS gene;****sequence variation**

name of component: calyphosine

[NPU31196](#)

DNA(spec.)—CAPS gene; seq.var. = ?

DNA(specification)—**CAPS2 gene;****sequence variation**

name of component: calyphosphine 2

[NPU44465](#)

DNA(spec.)—CAPS2 gene; seq.var. = ?

DNA(specification)—**CAPZA1 gene;****sequence variation**

name of component: capping protein (actin filament) muscle Z-line, alpha 1

[NPU31197](#)

DNA(spec.)—CAPZA1 gene; seq.var. = ?

DNA(specification)—**CAPZA1P gene;****sequence variation**

name of component: capping protein (actin filament) muscle Z-line, alpha 1 pseudogene

[NPU31198](#)

DNA(spec.)—CAPZA1P gene; seq.var. = ?

DNA(specification)—**CAPZA2 gene;****sequence variation**

name of component: capping protein (actin filament) muscle Z-line, alpha 2

[NPU31199](#)

DNA(spec.)—CAPZA2 gene; seq.var. = ?

DNA(specification)—**CAPZB gene;****sequence variation**

name of component: capping protein (actin filament) muscle Z-line, beta

[NPU31200](#)

DNA(spec.)—CAPZB gene; seq.var. = ?

DNA(specification)—**CARD10 gene;****sequence variation**

name of component: caspase recruitment domain family, member 10

[NPU44425](#)

DNA(spec.)—CARD10 gene; seq.var. = ?

DNA(specification)—**CARD11 gene;****sequence variation**

name of component: caspase recruitment domain family, member 11

[NPU44401](#)

DNA(spec.)—CARD11 gene; seq.var. = ?

DNA(specification)—**CARD12 gene;****sequence variation**

name of component: caspase recruitment domain family, member 12

[NPU44417](#)

DNA(spec.)—CARD12 gene; seq.var. = ?

DNA(specification)—**CARD14 gene;****sequence variation**

name of component: caspase recruitment domain family, member 14

[NPU44443](#)

DNA(spec.)—CARD14 gene; seq.var. = ?

DNA(specification)—**CARD15 gene;****sequence variation**

name of component: caspase recruitment domain family, member 15

[NPU34293](#)

DNA(spec.)—CARD15 gene; seq.var. = ?

DNA(specification)—**CARD4 gene;****sequence variation**

name of component: caspase recruitment domain family, member 4

[NPU44398](#)

DNA(spec.)—CARD4 gene; seq.var. = ?

DNA(specification)—**CARD6 gene;****sequence variation**

name of component: caspase recruitment domain family, member 6

[NPU44402](#)

DNA(spec.)—CARD6 gene; seq.var. = ?

DNA(specification)—**CARD9 gene;****sequence variation**

name of component: caspase recruitment domain family, member 9

[NPU44399](#)

DNA(spec.)—CARD9 gene; seq.var. = ?

DNA(specification)—**CARHSP1 gene;****sequence variation**

name of component: calcium regulated heat stable protein 1, 24 kDa

[NPU44882](#)

DNA(spec.)—CARHSP1 gene; seq.var. = ?

DNA(specification)—**CARKL gene;****sequence variation**

name of component: carbohydrate kinase-like

[NPU31201](#)

DNA(spec.)—CARKL gene; seq.var. = ?

DNA(specification)—**CARS gene;****sequence variation**

name of component: cysteinyl-tRNA synthetase

[NPU31202](#)

DNA(spec.)—CARS gene; seq.var. = ?

DNA(specification)—**CART1 gene;****sequence variation**

name of component: cartilage paired-class homeo-protein 1

[NPU31203](#)

DNA(spec.)—CART1 gene; seq.var. = ?

DNA(specification)—
CASK gene;
sequence variation
name of component: calcium/calmodulin-
dependent serine protein kinase (MAGUK family)
[NPU31204](#)
DNA(spec.)—CASK gene; seq.var. = ?

DNA(specification)—
CASKIN1 gene;
sequence variation
name of component: CASK interacting protein 1
[NPU47795](#)
DNA(spec.)—CASKIN1 gene; seq.var. = ?

DNA(specification)—
CASKIN2 gene;
sequence variation
name of component: CASK interacting protein 2
[NPU46347](#)
DNA(spec.)—CASKIN2 gene; seq.var. = ?

DNA(specification)—
CASKP gene;
sequence variation
name of component: calcium/calmodulin-
dependent serine protein kinase (MAGUK family)
pseudogene
[NPU31205](#)
DNA(spec.)—CASKP gene; seq.var. = ?

DNA(specification)—
CASP1 gene;
sequence variation
name of component: caspase 1, apoptosis-related
cysteine protease (interleukin 1, beta, convertase)
[NPU31206](#)
DNA(spec.)—CASP1 gene; seq.var. = ?

DNA(specification)—
CASP10 gene;
sequence variation
name of component: caspase 10, apoptosis-related
cysteine protease
[NPU31207](#)
DNA(spec.)—CASP10 gene; seq.var. = ?

DNA(specification)—
CASP12P1 gene;
sequence variation
name of component: caspase 12 pseudogene 1
[NPU46811](#)
DNA(spec.)—CASP12P1 gene; seq.var. = ?

DNA(specification)—
CASP14 gene;
sequence variation
name of component: caspase 14, apoptosis-related
cysteine protease
[NPU31208](#)
DNA(spec.)—CASP14 gene; seq.var. = ?

DNA(specification)—
CASP2 gene;
sequence variation
name of component: caspase 2, apoptosis-related
cysteine protease (neural precursor cell expressed,
developmentally down-regulated 2)
[NPU31209](#)
DNA(spec.)—CASP2 gene; seq.var. = ?

DNA(specification)—
CASP3 gene;
sequence variation
name of component: caspase 3, apoptosis-related
cysteine protease
[NPU31210](#)
DNA(spec.)—CASP3 gene; seq.var. = ?

DNA(specification)—
CASP4 gene;
sequence variation
name of component: caspase 4, apoptosis-related
cysteine protease
[NPU31211](#)
DNA(spec.)—CASP4 gene; seq.var. = ?

DNA(specification)—
CASP5 gene;
sequence variation
name of component: caspase 5, apoptosis-related
cysteine protease
[NPU31212](#)
DNA(spec.)—CASP5 gene; seq.var. = ?

DNA(specification)—
CASP6 gene;
sequence variation
name of component: caspase 6, apoptosis-related
cysteine protease
[NPU31213](#)
DNA(spec.)—CASP6 gene; seq.var. = ?

DNA(specification)—
CASP7 gene;
sequence variation
name of component: caspase 7, apoptosis-related
cysteine protease
[NPU31214](#)
DNA(spec.)—CASP7 gene; seq.var. = ?

DNA(specification)—**CASP8 gene;****sequence variation**

name of component: caspase 8, apoptosis-related cysteine protease

[NPU31215](#)

DNA(spec.)—CASP8 gene; seq.var. = ?

DNA(specification)—**CASP8AP2 gene;****sequence variation**

name of component: CASP8 associated protein 2

[NPU31216](#)

DNA(spec.)—CASP8AP2 gene; seq.var. = ?

DNA(specification)—**CASP9 gene;****sequence variation**

name of component: caspase 9, apoptosis-related cysteine protease

[NPU31217](#)

DNA(spec.)—CASP9 gene; seq.var. = ?

DNA(specification)—**CASQ1 gene;****sequence variation**

name of component: calsequestrin 1 (fast-twitch, skeletal muscle)

[NPU31218](#)

DNA(spec.)—CASQ1 gene; seq.var. = ?

DNA(specification)—**CASQ2 gene;****sequence variation**

name of component: calsequestrin 2 (cardiac muscle)

[NPU31219](#)

DNA(spec.)—CASQ2 gene; seq.var. = ?

DNA(specification)—**CASR gene;****sequence variation**

name of component: calcium-sensing receptor (hypocalciuric hypercalcemia 1, severe neonatal hyperparathyroidism)

[NPU19257](#)

DNA(spec.)—CASR gene; seq.var. = ?

DNA(specification)—**CAST gene;****sequence variation**

name of component: calpastatin

[NPU31220](#)

DNA(spec.)—CAST gene; seq.var. = ?

DNA(specification)—**CAT gene;****sequence variation**

name of component: catalase

[NPU31221](#)

DNA(spec.)—CAT gene; seq.var. = ?

DNA(specification)—**CATHL1 gene;****sequence variation**

name of component: cathelicidin 1 (cyclic decapeptide, bactenin 1)

[NPU31222](#)

DNA(spec.)—CATHL1 gene; seq.var. = ?

DNA(specification)—**CATHL2 gene;****sequence variation**

name of component: cathelicidin 2 (bactenin 5)

[NPU31223](#)

DNA(spec.)—CATHL2 gene; seq.var. = ?

DNA(specification)—**CATHL3 gene;****sequence variation**

name of component: cathelicidin 3 (bactenin 7)

[NPU31224](#)

DNA(spec.)—CATHL3 gene; seq.var. = ?

DNA(specification)—**CATHL4 gene;****sequence variation**

name of component: cathelicidin 4 (indolicidin)

[NPU31225](#)

DNA(spec.)—CATHL4 gene; seq.var. = ?

DNA(specification)—**CATHL5 gene;****sequence variation**

name of component: cathelicidin 5

[NPU31226](#)

DNA(spec.)—CATHL5 gene; seq.var. = ?

DNA(specification)—**CATHL6 gene;****sequence variation**

name of component: cathelicidin 6

[NPU31227](#)

DNA(spec.)—CATHL6 gene; seq.var. = ?

DNA(specification)—**CATR1 gene;****sequence variation**

name of component: CATR tumorigenicity conversion 1

[NPU31228](#)

DNA(spec.)—CATR1 gene; seq.var. = ?

DNA(specification)—
CATSPER1 gene;
sequence variation
name of component: cation channel, sperm associated 1
[NPU44857](#)
DNA(spec.)—CATSPER1 gene; seq.var. = ?

DNA(specification)—
CATSPER2 gene;
sequence variation
name of component: cation channel, sperm associated 2
[NPU46677](#)
DNA(spec.)—CATSPER2 gene; seq.var. = ?

DNA(specification)—
CAV1 gene;
sequence variation
name of component: caveolin 1, caveolae protein, 22 kDa
[NPU31229](#)
DNA(spec.)—CAV1 gene; seq.var. = ?

DNA(specification)—
CAV2 gene;
sequence variation
name of component: caveolin 2
[NPU31230](#)
DNA(spec.)—CAV2 gene; seq.var. = ?

DNA(specification)—
CAV3 gene;
sequence variation
name of component: caveolin 3
[NPU31231](#)
DNA(spec.)—CAV3 gene; seq.var. = ?

DNA(specification)—
CBARA1 gene;
sequence variation
name of component: calcium binding atopy-related autoantigen 1
[NPU31232](#)
DNA(spec.)—CBARA1 gene; seq.var. = ?

DNA(specification)—
CBFA2T1 gene;
sequence variation
name of component: core-binding factor, runt domain, alpha subunit 2; translocated to, 1; cyclin D-related
[NPU31233](#)
DNA(spec.)—CBFA2T1 gene; seq.var. = ?

DNA(specification)—
CBFA2T2 gene;
sequence variation
name of component: core-binding factor, runt domain, alpha subunit 2; translocated to, 2
[NPU31234](#)
DNA(spec.)—CBFA2T2 gene; seq.var. = ?

DNA(specification)—
CBFA2T3 gene;
sequence variation
name of component: core-binding factor, runt domain, alpha subunit 2; translocated to, 3
[NPU31235](#)
DNA(spec.)—CBFA2T3 gene; seq.var. = ?

DNA(specification)—
CBFB gene;
sequence variation
name of component: core-binding factor, beta subunit
[NPU31236](#)
DNA(spec.)—CBFB gene; seq.var. = ?

DNA(specification)—
CBL gene;
sequence variation
name of component: Cas-Br-M (murine) ecotropic retroviral transforming sequence
[NPU31238](#)
DNA(spec.)—CBL gene; seq.var. = ?

DNA(specification)—
CBLB gene;
sequence variation
name of component: Cas-Br-M (murine) ecotropic retroviral transforming sequence b
[NPU31239](#)
DNA(spec.)—CBLB gene; seq.var. = ?

DNA(specification)—
CBLC gene;
sequence variation
name of component: Cas-Br-M (murine) ecotropic retroviral transforming sequence c
[NPU44039](#)
DNA(spec.)—CBLC gene; seq.var. = ?

DNA(specification)—
CBLN1 gene;
sequence variation
name of component: cerebellin 1 precursor
[NPU31240](#)
DNA(spec.)—CBLN1 gene; seq.var. = ?

DNA(specification)—
CBLN2 gene;
sequence variation
 name of component: cerebellin 2 precursor
[NPU31241](#)
 DNA(spec.)—CBLN2 gene; seq.var. = ?

DNA(specification)—
CBLN3 gene;
sequence variation
 name of component: cerebellin 3 precursor
[NPU47449](#)
 DNA(spec.)—CBLN3 gene; seq.var. = ?

DNA(specification)—
CBLNL1 gene;
sequence variation
 name of component: cerebellin precursor-like 1
[NPU44274](#)
 DNA(spec.)—CBLNL1 gene; seq.var. = ?

DNA(specification)—
CBPINP gene;
sequence variation
 name of component: CCNDBP1 interactor pseudogene
[NPU47316](#)
 DNA(spec.)—CBPINP gene; seq.var. = ?

DNA(specification)—
CBR1 gene;
sequence variation
 name of component: carbonyl reductase 1
[NPU31243](#)
 DNA(spec.)—CBR1 gene; seq.var. = ?

DNA(specification)—
CBR3 gene;
sequence variation
 name of component: carbonyl reductase 3
[NPU31244](#)
 DNA(spec.)—CBR3 gene; seq.var. = ?

DNA(specification)—
CBS gene;
sequence variation
 name of component: cystathionine-beta-synthase
[NPU19033](#)
 DNA(spec.)—CBS gene; seq.var. = ?

DNA(specification)—
CBWD1 gene;
sequence variation
 name of component: COBW domain containing 1
[NPU44874](#)
 DNA(spec.)—CBWD1 gene; seq.var. = ?

DNA(specification)—
CBWD2 gene;
sequence variation
 name of component: COBW domain containing 2
[NPU46167](#)
 DNA(spec.)—CBWD2 gene; seq.var. = ?

DNA(specification)—
CBX1 gene;
sequence variation
 name of component: chromobox homolog 1 (HP1 beta homolog Drosophila)
[NPU31245](#)
 DNA(spec.)—CBX1 gene; seq.var. = ?

DNA(specification)—
CBX2 gene;
sequence variation
 name of component: chromobox homolog 2 (Pc class homolog, Drosophila)
[NPU31246](#)
 DNA(spec.)—CBX2 gene; seq.var. = ?

DNA(specification)—
CBX3 gene;
sequence variation
 name of component: chromobox homolog 3 (HP1 gamma homolog, Drosophila)
[NPU31247](#)
 DNA(spec.)—CBX3 gene; seq.var. = ?

DNA(specification)—
CBX4 gene;
sequence variation
 name of component: chromobox homolog 4 (Pc class homolog, Drosophila)
[NPU31248](#)
 DNA(spec.)—CBX4 gene; seq.var. = ?

DNA(specification)—
CBX5 gene;
sequence variation
 name of component: chromobox homolog 5 (HP1 alpha homolog, Drosophila)
[NPU31249](#)
 DNA(spec.)—CBX5 gene; seq.var. = ?

DNA(specification)—
CBX6 gene;
sequence variation
 name of component: chromobox homolog 6
[NPU31250](#)
 DNA(spec.)—CBX6 gene; seq.var. = ?

DNA(specification)—
CBX7 gene;
sequence variation
 name of component: chromobox homolog 7
[NPU31251](#)
 DNA(spec.)—CBX7 gene; seq.var. = ?

DNA(specification)—**CBX8 gene;****sequence variation**

name of component: chromobox homolog 8 (Pc class homolog, Drosophila)

[NPU44040](#)

DNA(spec.)—CBX8 gene; seq.var. = ?

DNA(specification)—**CCA1 gene;****sequence variation**

name of component: cataract, congenital, cerulean type, 1

[NPU31252](#)

DNA(spec.)—CCA1 gene; seq.var. = ?

DNA(specification)—**CCAL1 gene;****sequence variation**

name of component: chondrocalcinosis 1 (calcium pyrophosphate-deposition disease, early onset osteoarthritis)

[NPU31253](#)

DNA(spec.)—CCAL1 gene; seq.var. = ?

DNA(specification)—**CCAT gene;****sequence variation**

name of component: cataract, congenital

[NPU31254](#)

DNA(spec.)—CCAT gene; seq.var. = ?

DNA(specification)—**CCBL1 gene;****sequence variation**

name of component: cysteine conjugate-beta lyase; cytoplasmic (glutamine transaminase K, kyneurenine aminotransferase)

[NPU31255](#)

DNA(spec.)—CCBL1 gene; seq.var. = ?

DNA(specification)—**CCBP2 gene;****sequence variation**

name of component: chemokine binding protein 2

[NPU31256](#)

DNA(spec.)—CCBP2 gene; seq.var. = ?

DNA(specification)—**CCIN gene;****sequence variation**

name of component: calicin

[NPU31257](#)

DNA(spec.)—CCIN gene; seq.var. = ?

DNA(specification)—**CCK gene;****sequence variation**

name of component: cholecystokinin

[NPU31258](#)

DNA(spec.)—CCK gene; seq.var. = ?

DNA(specification)—**CCKAR gene;****sequence variation**

name of component: cholecystokinin A receptor

[NPU31259](#)

DNA(spec.)—CCKAR gene; seq.var. = ?

DNA(specification)—**CCKBR gene;****sequence variation**

name of component: cholecystokinin B receptor

[NPU31260](#)

DNA(spec.)—CCKBR gene; seq.var. = ?

DNA(specification)—**CCL1 gene;****sequence variation**

name of component: chemokine (C-C motif) ligand 1

[NPU39763](#)

DNA(spec.)—CCL1 gene; seq.var. = ?

DNA(specification)—**CCL11 gene;****sequence variation**

name of component: chemokine (C-C motif) ligand 11

[NPU39764](#)

DNA(spec.)—CCL11 gene; seq.var. = ?

DNA(specification)—**CCL13 gene;****sequence variation**

name of component: chemokine (C-C motif) ligand 13

[NPU39765](#)

DNA(spec.)—CCL13 gene; seq.var. = ?

DNA(specification)—**CCL14 gene;****sequence variation**

name of component: chemokine (C-C motif) ligand 14

[NPU39766](#)

DNA(spec.)—CCL14 gene; seq.var. = ?

DNA(specification)—**CCL15 gene;****sequence variation**

name of component: chemokine (C-C motif) ligand 15

[NPU39767](#)

DNA(spec.)—CCL15 gene; seq.var. = ?

DNA(specification)—**CCL16 gene;****sequence variation**name of component: chemokine (C-C motif) ligand
16[NPU39768](#)

DNA(spec.)—CCL16 gene; seq.var. = ?

DNA(specification)—**CCL17 gene;****sequence variation**name of component: chemokine (C-C motif) ligand
17[NPU39769](#)

DNA(spec.)—CCL17 gene; seq.var. = ?

DNA(specification)—**CCL18 gene;****sequence variation**name of component: chemokine (C-C motif) ligand
18 (pulmonary and activation-regulated)[NPU39770](#)

DNA(spec.)—CCL18 gene; seq.var. = ?

DNA(specification)—**CCL19 gene;****sequence variation**name of component: chemokine (C-C motif) ligand
19[NPU39771](#)

DNA(spec.)—CCL19 gene; seq.var. = ?

DNA(specification)—**CCL2 gene;****sequence variation**name of component: chemokine (C-C motif) ligand
2[NPU39772](#)

DNA(spec.)—CCL2 gene; seq.var. = ?

DNA(specification)—**CCL20 gene;****sequence variation**name of component: chemokine (C-C motif) ligand
20[NPU39773](#)

DNA(spec.)—CCL20 gene; seq.var. = ?

DNA(specification)—**CCL21 gene;****sequence variation**name of component: chemokine (C-C motif) ligand
21[NPU39774](#)

DNA(spec.)—CCL21 gene; seq.var. = ?

DNA(specification)—**CCL22 gene;****sequence variation**name of component: chemokine (C-C motif) ligand
22[NPU39775](#)

DNA(spec.)—CCL22 gene; seq.var. = ?

DNA(specification)—**CCL23 gene;****sequence variation**name of component: chemokine (C-C motif) ligand
23[NPU39776](#)

DNA(spec.)—CCL23 gene; seq.var. = ?

DNA(specification)—**CCL24 gene;****sequence variation**name of component: chemokine (C-C motif) ligand
24[NPU39777](#)

DNA(spec.)—CCL24 gene; seq.var. = ?

DNA(specification)—**CCL25 gene;****sequence variation**name of component: chemokine (C-C motif) ligand
25[NPU39778](#)

DNA(spec.)—CCL25 gene; seq.var. = ?

DNA(specification)—**CCL26 gene;****sequence variation**name of component: chemokine (C-C motif) ligand
26[NPU39779](#)

DNA(spec.)—CCL26 gene; seq.var. = ?

DNA(specification)—**CCL27 gene;****sequence variation**name of component: chemokine (C-C motif) ligand
27[NPU39780](#)

DNA(spec.)—CCL27 gene; seq.var. = ?

DNA(specification)—**CCL28 gene;****sequence variation**name of component: chemokine (C-C motif) ligand
28[NPU46076](#)

DNA(spec.)—CCL28 gene; seq.var. = ?

DNA(specification)—
CCL3 gene;
sequence variation
name of component: chemokine (C-C motif) ligand 3
[NPU39781](#)
DNA(spec.)—CCL3 gene; seq.var. = ?

DNA(specification)—
CCL3L1 gene;
sequence variation
name of component: chemokine (C-C motif) ligand 3-like 1
[NPU39782](#)
DNA(spec.)—CCL3L1 gene; seq.var. = ?

DNA(specification)—
CCL4 gene;
sequence variation
name of component: chemokine (C-C motif) ligand 4
[NPU39784](#)
DNA(spec.)—CCL4 gene; seq.var. = ?

DNA(specification)—
CCL5 gene;
sequence variation
name of component: chemokine (C-C motif) ligand 5
[NPU39786](#)
DNA(spec.)—CCL5 gene; seq.var. = ?

DNA(specification)—
CCL7 gene;
sequence variation
name of component: chemokine (C-C motif) ligand 7
[NPU39787](#)
DNA(spec.)—CCL7 gene; seq.var. = ?

DNA(specification)—
CCL8 gene;
sequence variation
name of component: chemokine (C-C motif) ligand 8
[NPU39788](#)
DNA(spec.)—CCL8 gene; seq.var. = ?

DNA(specification)—
CCM1 gene;
sequence variation
name of component: cerebral cavernous malformations 1
[NPU31261](#)
DNA(spec.)—CCM1 gene; seq.var. = ?

DNA(specification)—
CCM2 gene;
sequence variation
name of component: cerebral cavernous malformation 2
[NPU31262](#)
DNA(spec.)—CCM2 gene; seq.var. = ?

DNA(specification)—
CCM3 gene;
sequence variation
name of component: cerebral cavernous malformation 3
[NPU31263](#)
DNA(spec.)—CCM3 gene; seq.var. = ?

DNA(specification)—
CCNA1 gene;
sequence variation
name of component: cyclin A1
[NPU31264](#)
DNA(spec.)—CCNA1 gene; seq.var. = ?

DNA(specification)—
CCNA2 gene;
sequence variation
name of component: cyclin A2
[NPU31265](#)
DNA(spec.)—CCNA2 gene; seq.var. = ?

DNA(specification)—
CCNB1 gene;
sequence variation
name of component: cyclin B1
[NPU31266](#)
DNA(spec.)—CCNB1 gene; seq.var. = ?

DNA(specification)—
CCNB2 gene;
sequence variation
name of component: cyclin B2
[NPU31267](#)
DNA(spec.)—CCNB2 gene; seq.var. = ?

DNA(specification)—
CCNB3 gene;
sequence variation
name of component: cyclin B3
[NPU46632](#)
DNA(spec.)—CCNB3 gene; seq.var. = ?

DNA(specification)—
CCNC gene;
sequence variation
name of component: cyclin C
[NPU31268](#)
DNA(spec.)—CCNC gene; seq.var. = ?

DNA(specification)—
CCND1 gene;
sequence variation
name of component: cyclin D1 (PRAD1: parathyroid adenomatosis 1)
[NPU19041](#)
DNA(spec.)—CCND1 gene; seq.var. = ?

DNA(specification)—
CCND2 gene;
sequence variation
name of component: cyclin D2
[NPU31269](#)
DNA(spec.)—CCND2 gene; seq.var. = ?

DNA(specification)—
CCND2P gene;
sequence variation
name of component: cyclin D2 pseudogene
[NPU31270](#)
DNA(spec.)—CCND2P gene; seq.var. = ?

DNA(specification)—
CCND3 gene;
sequence variation
name of component: cyclin D3
[NPU31271](#)
DNA(spec.)—CCND3 gene; seq.var. = ?

DNA(specification)—
CCND3P gene;
sequence variation
name of component: cyclin D3 pseudogene
[NPU31272](#)
DNA(spec.)—CCND3P gene; seq.var. = ?

DNA(specification)—
CCNDBP1 gene;
sequence variation
name of component: cyclin D-type binding-protein 1
[NPU31273](#)
DNA(spec.)—CCNDBP1 gene; seq.var. = ?

DNA(specification)—
CCNE1 gene;
sequence variation
name of component: cyclin E1
[NPU31274](#)
DNA(spec.)—CCNE1 gene; seq.var. = ?

DNA(specification)—
CCNE2 gene;
sequence variation
name of component: cyclin E2
[NPU31275](#)
DNA(spec.)—CCNE2 gene; seq.var. = ?

DNA(specification)—
CCNF gene;
sequence variation
name of component: cyclin F
[NPU31276](#)
DNA(spec.)—CCNF gene; seq.var. = ?

DNA(specification)—
CCNG1 gene;
sequence variation
name of component: cyclin G1
[NPU31277](#)
DNA(spec.)—CCNG1 gene; seq.var. = ?

DNA(specification)—
CCNG2 gene;
sequence variation
name of component: cyclin G2
[NPU31278](#)
DNA(spec.)—CCNG2 gene; seq.var. = ?

DNA(specification)—
CCNH gene;
sequence variation
name of component: cyclin H
[NPU31279](#)
DNA(spec.)—CCNH gene; seq.var. = ?

DNA(specification)—
CCNI gene;
sequence variation
name of component: cyclin I
[NPU31280](#)
DNA(spec.)—CCNI gene; seq.var. = ?

DNA(specification)—
CCNK gene;
sequence variation
name of component: cyclin K
[NPU31281](#)
DNA(spec.)—CCNK gene; seq.var. = ?

DNA(specification)—
CCNL1 gene;
sequence variation
name of component: cyclin L1
[NPU47666](#)
DNA(spec.)—CCNL1 gene; seq.var. = ?

DNA(specification)—
CCNL2 gene;
sequence variation
name of component: cyclin L2
[NPU47667](#)
DNA(spec.)—CCNL2 gene; seq.var. = ?

DNA(specification)—
CCNM gene;
sequence variation
name of component: cyclin M
[NPU31282](#)
DNA(spec.)—CCNM gene; seq.var. = ?

DNA(specification)—
CCNT1 gene;
sequence variation
name of component: cyclin T1
[NPU31283](#)
DNA(spec.)—CCNT1 gene; seq.var. = ?

DNA(specification)—
CCNT2 gene;
sequence variation
name of component: cyclin T2
[NPU31284](#)
DNA(spec.)—CCNT2 gene; seq.var. = ?

DNA(specification)—
CCO gene;
sequence variation
name of component: central core disease of muscle
[NPU31285](#)
DNA(spec.)—CCO gene; seq.var. = ?

DNA(specification)—
CCR1 gene;
sequence variation
name of component: chemokine (C-C motif) receptor 1
[NPU31286](#)
DNA(spec.)—CCR1 gene; seq.var. = ?

DNA(specification)—
CCR2 gene;
sequence variation
name of component: chemokine (C-C motif) receptor 2
[NPU31287](#)
DNA(spec.)—CCR2 gene; seq.var. = ?

DNA(specification)—
CCR3 gene;
sequence variation
name of component: chemokine (C-C motif) receptor 3
[NPU31288](#)
DNA(spec.)—CCR3 gene; seq.var. = ?

DNA(specification)—
CCR4 gene;
sequence variation
name of component: chemokine (C-C motif) receptor 4
[NPU31289](#)
DNA(spec.)—CCR4 gene; seq.var. = ?

DNA(specification)—
CCR5 gene;
sequence variation
name of component: chemokine (C-C motif) receptor 5
[NPU19034](#)
DNA(spec.)—CCR5 gene; seq.var. = ?

DNA(specification)—
CCR6 gene;
sequence variation
name of component: chemokine (C-C motif) receptor 6
[NPU31290](#)
DNA(spec.)—CCR6 gene; seq.var. = ?

DNA(specification)—
CCR7 gene;
sequence variation
name of component: chemokine (C-C motif) receptor 7
[NPU31291](#)
DNA(spec.)—CCR7 gene; seq.var. = ?

DNA(specification)—
CCR8 gene;
sequence variation
name of component: chemokine (C-C motif) receptor 8
[NPU31292](#)
DNA(spec.)—CCR8 gene; seq.var. = ?

DNA(specification)—
CCR9 gene;
sequence variation
name of component: chemokine (C-C motif) receptor 9
[NPU31293](#)
DNA(spec.)—CCR9 gene; seq.var. = ?

DNA(specification)—
CCRL1 gene;
sequence variation
name of component: chemokine (C-C motif) receptor-like 1
[NPU31294](#)
DNA(spec.)—CCRL1 gene; seq.var. = ?

DNA(specification)—
CCRL2 gene;
sequence variation
name of component: chemokine (C-C motif) receptor-like 2
[NPU31295](#)
DNA(spec.)—CCRL2 gene; seq.var. = ?

DNA(specification)—**CCRN4L gene;****sequence variation**

name of component: CCR4 carbon catabolite repression 4-like (*S. cerevisiae*)

[NPU42621](#)

DNA(spec.)—CCRN4L gene; seq.var. = ?

DNA(specification)—**CCS gene;****sequence variation**

name of component: copper chaperone for superoxide dismutase

[NPU31296](#)

DNA(spec.)—CCS gene; seq.var. = ?

DNA(specification)—**CCT gene;****sequence variation**

name of component: cataract, congenital, total

[NPU31297](#)

DNA(spec.)—CCT gene; seq.var. = ?

DNA(specification)—**CCT2 gene;****sequence variation**

name of component: chaperonin containing TCP1, subunit 2 (beta)

[NPU31298](#)

DNA(spec.)—CCT2 gene; seq.var. = ?

DNA(specification)—**CCT3 gene;****sequence variation**

name of component: chaperonin containing TCP1, subunit 3 (gamma)

[NPU31299](#)

DNA(spec.)—CCT3 gene; seq.var. = ?

DNA(specification)—**CCT4 gene;****sequence variation**

name of component: chaperonin containing TCP1, subunit 4 (delta)

[NPU31300](#)

DNA(spec.)—CCT4 gene; seq.var. = ?

DNA(specification)—**CCT5 gene;****sequence variation**

name of component: chaperonin containing TCP1, subunit 5 (epsilon)

[NPU31301](#)

DNA(spec.)—CCT5 gene; seq.var. = ?

DNA(specification)—**CCT6A gene;****sequence variation**

name of component: chaperonin containing TCP1, subunit 6A (zeta 1)

[NPU31302](#)

DNA(spec.)—CCT6A gene; seq.var. = ?

DNA(specification)—**CCT6B gene;****sequence variation**

name of component: chaperonin containing TCP1, subunit 6B (zeta 2)

[NPU31303](#)

DNA(spec.)—CCT6B gene; seq.var. = ?

DNA(specification)—**CCT7 gene;****sequence variation**

name of component: chaperonin containing TCP1, subunit 7 (eta)

[NPU31304](#)

DNA(spec.)—CCT7 gene; seq.var. = ?

DNA(specification)—**CCT8 gene;****sequence variation**

name of component: chaperonin containing TCP1, subunit 8 (theta)

[NPU31305](#)

DNA(spec.)—CCT8 gene; seq.var. = ?

DNA(specification)—**CCV gene;****sequence variation**

name of component: cataract, congenital, Volkmann type

[NPU31306](#)

DNA(spec.)—CCV gene; seq.var. = ?

DNA(specification)—**CD14 gene;****sequence variation**

name of component: CD14 antigen

[NPU31308](#)

DNA(spec.)—CD14 gene; seq.var. = ?

DNA(specification)—**CD151 gene;****sequence variation**

name of component: CD151 antigen

[NPU31309](#)

DNA(spec.)—CD151 gene; seq.var. = ?

DNA(specification)—**CD163 gene;****sequence variation**

name of component: CD163 antigen

[NPU31310](#)

DNA(spec.)—CD163 gene; seq.var. = ?

DNA(specification)—**CD164 gene;****sequence variation**

name of component: CD164 antigen, sialomucin

[NPU31311](#)

DNA(spec.)—CD164 gene; seq.var. = ?

DNA(specification)—**CD19 gene;****sequence variation**

name of component: CD19 antigen

[NPU31312](#)

DNA(spec.)—CD19 gene; seq.var. = ?

DNA(specification)—**CD1A gene;****sequence variation**

name of component: CD1A antigen, a polypeptide

[NPU31313](#)

DNA(spec.)—CD1A gene; seq.var. = ?

DNA(specification)—**CD1B gene;****sequence variation**

name of component: CD1B antigen, b polypeptide

[NPU31314](#)

DNA(spec.)—CD1B gene; seq.var. = ?

DNA(specification)—**CD1C gene;****sequence variation**

name of component: CD1C antigen, c polypeptide

[NPU31315](#)

DNA(spec.)—CD1C gene; seq.var. = ?

DNA(specification)—**CD1D gene;****sequence variation**

name of component: CD1D antigen, d polypeptide

[NPU31316](#)

DNA(spec.)—CD1D gene; seq.var. = ?

DNA(specification)—**CD1E gene;****sequence variation**

name of component: CD1E antigen, e polypeptide

[NPU31317](#)

DNA(spec.)—CD1E gene; seq.var. = ?

DNA(specification)—**CD2 gene;****sequence variation**

name of component: CD2 antigen (p50), sheep red blood cell receptor

[NPU31318](#)

DNA(spec.)—CD2 gene; seq.var. = ?

DNA(specification)—**CD209 gene;****sequence variation**

name of component: CD209 antigen

[NPU31319](#)

DNA(spec.)—CD209 gene; seq.var. = ?

DNA(specification)—**CD209L gene;****sequence variation**

name of component: CD209 antigen-like

[NPU42167](#)

DNA(spec.)—CD209L gene; seq.var. = ?

DNA(specification)—**CD22 gene;****sequence variation**

name of component: CD22 antigen

[NPU31320](#)

DNA(spec.)—CD22 gene; seq.var. = ?

DNA(specification)—**CD24 gene;****sequence variation**

name of component: CD24 antigen (small cell lung carcinoma cluster 4 antigen)

[NPU31321](#)

DNA(spec.)—CD24 gene; seq.var. = ?

DNA(specification)—**CD24L1 gene;****sequence variation**

name of component: CD24 antigen-like 1

[NPU31322](#)

DNA(spec.)—CD24L1 gene; seq.var. = ?

DNA(specification)—**CD24L2 gene;****sequence variation**

name of component: CD24 antigen-like 2

[NPU31323](#)

DNA(spec.)—CD24L2 gene; seq.var. = ?

DNA(specification)—**CD24L3 gene;****sequence variation**

name of component: CD24 antigen-like 3

[NPU31324](#)

DNA(spec.)—CD24L3 gene; seq.var. = ?

DNA(specification)—**CD24L4 gene;****sequence variation**

name of component: CD24 antigen-like 4

[NPU31325](#)

DNA(spec.)—CD24L4 gene; seq.var. = ?

DNA(specification)—
CD28 gene;
sequence variation
name of component: CD28 antigen (Tp44)
[NPU31326](#)
DNA(spec.)—CD28 gene; seq.var. = ?

DNA(specification)—
CD2AP gene;
sequence variation
name of component: CD2-associated protein
[NPU42625](#)
DNA(spec.)—CD2AP gene; seq.var. = ?

DNA(specification)—
CD2BP2 gene;
sequence variation
name of component: CD2 antigen (cytoplasmic tail) binding protein 2
[NPU31327](#)
DNA(spec.)—CD2BP2 gene; seq.var. = ?

DNA(specification)—
CD33 gene;
sequence variation
name of component: CD33 antigen (gp67)
[NPU31328](#)
DNA(spec.)—CD33 gene; seq.var. = ?

DNA(specification)—
CD34 gene;
sequence variation
name of component: CD34 antigen
[NPU31329](#)
DNA(spec.)—CD34 gene; seq.var. = ?

DNA(specification)—
CD36 gene;
sequence variation
name of component: CD36 antigen (collagen type I receptor, thrombospondin receptor)
[NPU31330](#)
DNA(spec.)—CD36 gene; seq.var. = ?

DNA(specification)—
CD37 gene;
sequence variation
name of component: CD37 antigen
[NPU31333](#)
DNA(spec.)—CD37 gene; seq.var. = ?

DNA(specification)—
CD38 gene;
sequence variation
name of component: CD38 antigen (p45)
[NPU31334](#)
DNA(spec.)—CD38 gene; seq.var. = ?

DNA(specification)—
CD3D gene;
sequence variation
name of component: CD3D antigen, delta polypeptide (TiT3 complex)
[NPU31335](#)
DNA(spec.)—CD3D gene; seq.var. = ?

DNA(specification)—
CD3E gene;
sequence variation
name of component: CD3E antigen, epsilon polypeptide (TiT3 complex)
[NPU31336](#)
DNA(spec.)—CD3E gene; seq.var. = ?

DNA(specification)—
CD3G gene;
sequence variation
name of component: CD3G antigen, gamma polypeptide (TiT3 complex)
[NPU31337](#)
DNA(spec.)—CD3G gene; seq.var. = ?

DNA(specification)—
CD3W gene;
sequence variation
name of component: CD3W antigen, omega polypeptide (TiT3 complex)
[NPU31338](#)
DNA(spec.)—CD3W gene; seq.var. = ?

DNA(specification)—
CD3Z gene;
sequence variation
name of component: CD3Z antigen, zeta polypeptide (TiT3 complex)
[NPU31339](#)
DNA(spec.)—CD3Z gene; seq.var. = ?

DNA(specification)—
CD4 gene;
sequence variation
name of component: CD4 antigen (p55)
[NPU31340](#)
DNA(spec.)—CD4 gene; seq.var. = ?

DNA(specification)—
CD44 gene;
sequence variation
name of component: CD44 antigen (homing function and Indian blood group system)
[NPU31341](#)
DNA(spec.)—CD44 gene; seq.var. = ?

DNA(specification)—**CD47 gene;****sequence variation**

name of component: CD47 antigen (Rh-related antigen, integrin-associated signal transducer)

[NPU31342](#)

DNA(spec.)—CD47 gene; seq.var. = ?

DNA(specification)—**CD48 gene;****sequence variation**

name of component: CD48 antigen (B-cell membrane protein)

[NPU31343](#)

DNA(spec.)—CD48 gene; seq.var. = ?

DNA(specification)—**CD5 gene;****sequence variation**

name of component: CD5 antigen (p56-62)

[NPU31344](#)

DNA(spec.)—CD5 gene; seq.var. = ?

DNA(specification)—**CD53 gene;****sequence variation**

name of component: CD53 antigen

[NPU31345](#)

DNA(spec.)—CD53 gene; seq.var. = ?

DNA(specification)—**CD57 gene;****sequence variation**

name of component: CD57 antigen

[NPU31346](#)

DNA(spec.)—CD57 gene; seq.var. = ?

DNA(specification)—**CD58 gene;****sequence variation**

name of component: CD58 antigen, (lymphocyte function-associated antigen 3)

[NPU31347](#)

DNA(spec.)—CD58 gene; seq.var. = ?

DNA(specification)—**CD59 gene;****sequence variation**

name of component: CD59 antigen p18-20 (antigen identified by monoclonal antibodies 16.3A5, EJ16, EJ30, EL32 and G344)

[NPU31348](#)

DNA(spec.)—CD59 gene; seq.var. = ?

DNA(specification)—**CD5L gene;****sequence variation**

name of component: CD5 antigen-like (scavenger receptor cysteine rich family)

[NPU31349](#)

DNA(spec.)—CD5L gene; seq.var. = ?

DNA(specification)—**CD6 gene;****sequence variation**

name of component: CD6 antigen

[NPU31350](#)

DNA(spec.)—CD6 gene; seq.var. = ?

DNA(specification)—**CD63 gene;****sequence variation**

name of component: CD63 antigen (melanoma 1 antigen)

[NPU31351](#)

DNA(spec.)—CD63 gene; seq.var. = ?

DNA(specification)—**CD68 gene;****sequence variation**

name of component: CD68 antigen

[NPU31352](#)

DNA(spec.)—CD68 gene; seq.var. = ?

DNA(specification)—**CD69 gene;****sequence variation**

name of component: CD69 antigen (p60, early T-cell activation antigen)

[NPU31353](#)

DNA(spec.)—CD69 gene; seq.var. = ?

DNA(specification)—**CD7 gene;****sequence variation**

name of component: CD7 antigen (p41)

[NPU31354](#)

DNA(spec.)—CD7 gene; seq.var. = ?

DNA(specification)—**CD72 gene;****sequence variation**

name of component: CD72 antigen

[NPU31355](#)

DNA(spec.)—CD72 gene; seq.var. = ?

DNA(specification)—**CD74 gene;****sequence variation**

name of component: CD74 antigen (invariant polypeptide of major histocompatibility complex, class II antigen-associated)

[NPU31356](#)

DNA(spec.)—CD74 gene; seq.var. = ?

DNA(specification)—**CD79A gene;****sequence variation**

name of component: CD79A antigen (immunoglobulin-associated alpha)

[NPU31357](#)

DNA(spec.)—CD79A gene; seq.var. = ?

DNA(specification)—**CD79B gene;****sequence variation**

name of component: CD79B antigen (immunoglobulin-associated beta)

[NPU31358](#)

DNA(spec.)—CD79B gene; seq.var. = ?

DNA(specification)—**CD80 gene;****sequence variation**

name of component: CD80 antigen (CD28 antigen ligand 1, B7-1 antigen)

[NPU31359](#)

DNA(spec.)—CD80 gene; seq.var. = ?

DNA(specification)—**CD81 gene;****sequence variation**

name of component: CD81 antigen (target of anti-proliferative antibody 1)

[NPU31360](#)

DNA(spec.)—CD81 gene; seq.var. = ?

DNA(specification)—**CD83 gene;****sequence variation**

name of component: CD83 antigen (activated B lymphocytes, immunoglobulin superfamily)

[NPU31361](#)

DNA(spec.)—CD83 gene; seq.var. = ?

DNA(specification)—**CD84 gene;****sequence variation**

name of component: CD84 antigen (leukocyte antigen)

[NPU31362](#)

DNA(spec.)—CD84 gene; seq.var. = ?

DNA(specification)—**CD86 gene;****sequence variation**

name of component: CD86 antigen (CD28 antigen ligand 2, B7-2 antigen)

[NPU31363](#)

DNA(spec.)—CD86 gene; seq.var. = ?

DNA(specification)—**CD8A gene;****sequence variation**

name of component: CD8 antigen, alpha polypeptide (p32)

[NPU31364](#)

DNA(spec.)—CD8A gene; seq.var. = ?

DNA(specification)—**CD8B1 gene;****sequence variation**

name of component: CD8 antigen, beta polypeptide 1 (p37)

[NPU31365](#)

DNA(spec.)—CD8B1 gene; seq.var. = ?

DNA(specification)—**CD8B2 gene;****sequence variation**

name of component: CD8 antigen, beta polypeptide 2, pseudogene (p37)

[NPU31366](#)

DNA(spec.)—CD8B2 gene; seq.var. = ?

DNA(specification)—**CD9 gene;****sequence variation**

name of component: CD9 antigen (p24)

[NPU31367](#)

DNA(spec.)—CD9 gene; seq.var. = ?

DNA(specification)—**CD96 gene;****sequence variation**

name of component: CD96 antigen

[NPU44763](#)

DNA(spec.)—CD96 gene; seq.var. = ?

DNA(specification)—**CD97 gene;****sequence variation**

name of component: CD97 antigen

[NPU31368](#)

DNA(spec.)—CD97 gene; seq.var. = ?

DNA(specification)—**CD99 gene;****sequence variation**

name of component: CD99 antigen

[NPU36808](#)

DNA(spec.)—CD99 gene; seq.var. = ?

DNA(specification)—**CD99L1 gene;****sequence variation**

name of component: CD99 antigen-like 1

[NPU36809](#)

DNA(spec.)—CD99L1 gene; seq.var. = ?

DNA(specification)—**CD99L2 gene;****sequence variation**

name of component: CD99 antigen-like 2

[NPU46355](#)

DNA(spec.)—CD99L2 gene; seq.var. = ?

DNA(specification)—**CDA gene;****sequence variation**

name of component: cytidine deaminase

[NPU31369](#)

DNA(spec.)—CDA gene; seq.var. = ?

DNA(specification)—**CDAN1 gene;****sequence variation**

name of component: congenital dyserythropoietic anemia, type I

[NPU31370](#)

DNA(spec.)—CDAN1 gene; seq.var. = ?

DNA(specification)—**CDAN2 gene;****sequence variation**

name of component: congenital dyserythropoietic anemia, type II

[NPU31371](#)

DNA(spec.)—CDAN2 gene; seq.var. = ?

DNA(specification)—**CDAN3 gene;****sequence variation**

name of component: congenital dyserythropoietic anemia, type III

[NPU31372](#)

DNA(spec.)—CDAN3 gene; seq.var. = ?

DNA(specification)—**CDB2 gene;****sequence variation**

name of component: corneal dystrophy of Bowman's layer type II (Thiel-Behnke)

[NPU31373](#)

DNA(spec.)—CDB2 gene; seq.var. = ?

DNA(specification)—**CDC10 gene;****sequence variation**name of component: CDC10 cell division cycle 10 homolog (*S. cerevisiae*)[NPU31374](#)

DNA(spec.)—CDC10 gene; seq.var. = ?

DNA(specification)—**CDC10P gene;****sequence variation**name of component: CDC10 cell division cycle 10 homolog (*S. cerevisiae*) pseudogene[NPU47317](#)

DNA(spec.)—CDC10P gene; seq.var. = ?

DNA(specification)—**CDC14A gene;****sequence variation**name of component: CDC14 cell division cycle 14 homolog A (*S. cerevisiae*)[NPU31375](#)

DNA(spec.)—CDC14A gene; seq.var. = ?

DNA(specification)—**CDC14B gene;****sequence variation**name of component: CDC14 cell division cycle 14 homolog B (*S. cerevisiae*)[NPU31376](#)

DNA(spec.)—CDC14B gene; seq.var. = ?

DNA(specification)—**CDC16 gene;****sequence variation**name of component: CDC16 cell division cycle 16 homolog (*S. cerevisiae*)[NPU31377](#)

DNA(spec.)—CDC16 gene; seq.var. = ?

DNA(specification)—**CDC2 gene;****sequence variation**

name of component: cell division cycle 2, G1 to S and G2 to M

[NPU31378](#)

DNA(spec.)—CDC2 gene; seq.var. = ?

DNA(specification)—**CDC20 gene;****sequence variation**name of component: CDC20 cell division cycle 20 homolog (*S. cerevisiae*)[NPU31379](#)

DNA(spec.)—CDC20 gene; seq.var. = ?

DNA(specification)—**CDC23 gene;****sequence variation**

name of component: CDC23 (cell division cycle 23, yeast, homolog)

[NPU31380](#)

DNA(spec.)—CDC23 gene; seq.var. = ?

DNA(specification)—
CDC25A gene;
sequence variation
name of component: cell division cycle 25A
[NPU31381](#)
DNA(spec.)—CDC25A gene; seq.var. = ?

DNA(specification)—
CDC25B gene;
sequence variation
name of component: cell division cycle 25B
[NPU31382](#)
DNA(spec.)—CDC25B gene; seq.var. = ?

DNA(specification)—
CDC25C gene;
sequence variation
name of component: cell division cycle 25C
[NPU31383](#)
DNA(spec.)—CDC25C gene; seq.var. = ?

DNA(specification)—
CDC27 gene;
sequence variation
name of component: cell division cycle 27
[NPU31384](#)
DNA(spec.)—CDC27 gene; seq.var. = ?

DNA(specification)—
CDC2L1 gene;
sequence variation
name of component: cell division cycle 2-like 1
(PITSLRE proteins)
[NPU31385](#)
DNA(spec.)—CDC2L1 gene; seq.var. = ?

DNA(specification)—
CDC2L2 gene;
sequence variation
name of component: cell division cycle 2-like 2
[NPU31386](#)
DNA(spec.)—CDC2L2 gene; seq.var. = ?

DNA(specification)—
CDC2L5 gene;
sequence variation
name of component: cell division cycle 2-like 5
(cholinesterase-related cell division controller)
[NPU31387](#)
DNA(spec.)—CDC2L5 gene; seq.var. = ?

DNA(specification)—
CDC34 gene;
sequence variation
name of component: cell division cycle 34
[NPU31388](#)
DNA(spec.)—CDC34 gene; seq.var. = ?

DNA(specification)—
CDC37 gene;
sequence variation
name of component: CDC37 cell division cycle 37
homolog (*S. cerevisiae*)
[NPU31389](#)
DNA(spec.)—CDC37 gene; seq.var. = ?

DNA(specification)—
CDC40 gene;
sequence variation
name of component: cell division cycle 40 ho-
molog (yeast)
[NPU44995](#)
DNA(spec.)—CDC40 gene; seq.var. = ?

DNA(specification)—
CDC42 gene;
sequence variation
name of component: cell division cycle 42 (GTP
binding protein, 25 kDa)
[NPU31390](#)
DNA(spec.)—CDC42 gene; seq.var. = ?

DNA(specification)—
CDC42BPA gene;
sequence variation
name of component: CDC42 binding protein ki-
nase alpha (DMPK-like)
[NPU31391](#)
DNA(spec.)—CDC42BPA gene; seq.var. = ?

DNA(specification)—
CDC42BPB gene;
sequence variation
name of component: CDC42 binding protein ki-
nase beta (DMPK-like)
[NPU31392](#)
DNA(spec.)—CDC42BPB gene; seq.var. = ?

DNA(specification)—
CDC42EP1 gene;
sequence variation
name of component: CDC42 effector protein (Rho
GTPase binding) 1
[NPU44810](#)
DNA(spec.)—CDC42EP1 gene; seq.var. = ?

DNA(specification)—
CDC42EP2 gene;
sequence variation
name of component: CDC42 effector protein (Rho
GTPase binding) 2
[NPU44303](#)
DNA(spec.)—CDC42EP2 gene; seq.var. = ?

DNA(specification)—**CDC42EP3 gene;****sequence variation**

name of component: CDC42 effector protein (Rho GTPase binding) 3

[NPU44787](#)

DNA(spec.)—CDC42EP3 gene; seq.var. = ?

DNA(specification)—**CDC42EP4 gene;****sequence variation**

name of component: CDC42 effector protein (Rho GTPase binding) 4

[NPU44881](#)

DNA(spec.)—CDC42EP4 gene; seq.var. = ?

DNA(specification)—**CDC42P1 gene;****sequence variation**

name of component: cell division cycle 42 pseudogene 1

[NPU44361](#)

DNA(spec.)—CDC42P1 gene; seq.var. = ?

DNA(specification)—**CDC45L gene;****sequence variation**

name of component: CDC45 cell division cycle 45-like (*S. cerevisiae*)

[NPU31393](#)

DNA(spec.)—CDC45L gene; seq.var. = ?

DNA(specification)—**CDC5L gene;****sequence variation**

name of component: CDC5 cell division cycle 5-like (*S. pombe*)

[NPU31395](#)

DNA(spec.)—CDC5L gene; seq.var. = ?

DNA(specification)—**CDC6 gene;****sequence variation**

name of component: CDC6 cell division cycle 6 homolog (*S. cerevisiae*)

[NPU31396](#)

DNA(spec.)—CDC6 gene; seq.var. = ?

DNA(specification)—**CDC7L1 gene;****sequence variation**

name of component: CDC7 cell division cycle 7-like 1 (*S. cerevisiae*)

[NPU31397](#)

DNA(spec.)—CDC7L1 gene; seq.var. = ?

DNA(specification)—**CDC91L1 gene;****sequence variation**

name of component: CDC91 cell division cycle 91-like 1 (*S. cerevisiae*)

[NPU43900](#)

DNA(spec.)—CDC91L1 gene; seq.var. = ?

DNA(specification)—**CDCA1 gene;****sequence variation**

name of component: cell division cycle associated 1

[NPU42901](#)

DNA(spec.)—CDCA1 gene; seq.var. = ?

DNA(specification)—**CDCA2 gene;****sequence variation**

name of component: cell division cycle associated 2

[NPU42902](#)

DNA(spec.)—CDCA2 gene; seq.var. = ?

DNA(specification)—**CDCA3 gene;****sequence variation**

name of component: cell division cycle associated 3

[NPU42903](#)

DNA(spec.)—CDCA3 gene; seq.var. = ?

DNA(specification)—**CDCA4 gene;****sequence variation**

name of component: cell division cycle associated 4

[NPU42904](#)

DNA(spec.)—CDCA4 gene; seq.var. = ?

DNA(specification)—**CDCA5 gene;****sequence variation**

name of component: cell division cycle associated 5

[NPU42905](#)

DNA(spec.)—CDCA5 gene; seq.var. = ?

DNA(specification)—**CDCA6 gene;****sequence variation**

name of component: cell division cycle associated 6

[NPU42906](#)

DNA(spec.)—CDCA6 gene; seq.var. = ?

DNA(specification)—**CDCA7 gene;****sequence variation**

name of component: cell division cycle associated
7

[NPU42907](#)

DNA(spec.)—CDCA7 gene; seq.var. = ?

DNA(specification)—**CDCA8 gene;****sequence variation**

name of component: cell division cycle associated
8

[NPU42908](#)

DNA(spec.)—CDCA8 gene; seq.var. = ?

DNA(specification)—**CDH1 gene;****sequence variation**

name of component: cadherin 1, type 1, E-cadherin
(epithelial)

[NPU19035](#)

DNA(spec.)—CDH1 gene; seq.var. = ?

DNA(specification)—**CDH10 gene;****sequence variation**

name of component: cadherin 10, type 2 (T2-
cadherin)

[NPU31398](#)

DNA(spec.)—CDH10 gene; seq.var. = ?

DNA(specification)—**CDH11 gene;****sequence variation**

name of component: cadherin 11, type 2, OB-
cadherin (osteoblast)

[NPU31399](#)

DNA(spec.)—CDH11 gene; seq.var. = ?

DNA(specification)—**CDH12 gene;****sequence variation**

name of component: cadherin 12, type 2 (N-
cadherin 2)

[NPU31400](#)

DNA(spec.)—CDH12 gene; seq.var. = ?

DNA(specification)—**CDH12P gene;****sequence variation**

name of component: cadherin 12 (N-cadherin 2)
pseudogene

[NPU31401](#)

DNA(spec.)—CDH12P gene; seq.var. = ?

DNA(specification)—**CDH13 gene;****sequence variation**

name of component: cadherin 13, H-cadherin
(heart)

[NPU31402](#)

DNA(spec.)—CDH13 gene; seq.var. = ?

DNA(specification)—**CDH15 gene;****sequence variation**

name of component: cadherin 15, M-cadherin
(myotubule)

[NPU31403](#)

DNA(spec.)—CDH15 gene; seq.var. = ?

DNA(specification)—**CDH16 gene;****sequence variation**

name of component: cadherin 16, KSP-cadherin

[NPU31404](#)

DNA(spec.)—CDH16 gene; seq.var. = ?

DNA(specification)—**CDH17 gene;****sequence variation**

name of component: cadherin 17, LI cadherin
(liver-intestine)

[NPU31405](#)

DNA(spec.)—CDH17 gene; seq.var. = ?

DNA(specification)—**CDH18 gene;****sequence variation**

name of component: cadherin 18, type 2

[NPU31406](#)

DNA(spec.)—CDH18 gene; seq.var. = ?

DNA(specification)—**CDH19 gene;****sequence variation**

name of component: cadherin 19, type 2

[NPU31407](#)

DNA(spec.)—CDH19 gene; seq.var. = ?

DNA(specification)—**CDH2 gene;****sequence variation**

name of component: cadherin 2, type 1, N-cadherin
(neuronal)

[NPU31408](#)

DNA(spec.)—CDH2 gene; seq.var. = ?

DNA(specification)—**CDH20 gene;****sequence variation**

name of component: cadherin 20, type 2

[NPU31409](#)

DNA(spec.)—CDH20 gene; seq.var. = ?

DNA(specification)—
CDH22 gene;
sequence variation
name of component: cadherin-like 22
[NPU42066](#)
DNA(spec.)—CDH22 gene; seq.var. = ?

DNA(specification)—
CDH23 gene;
sequence variation
name of component: cadherin related 23
[NPU42298](#)
DNA(spec.)—CDH23 gene; seq.var. = ?

DNA(specification)—
CDH24 gene;
sequence variation
name of component: cadherin-like 24
[NPU42632](#)
DNA(spec.)—CDH24 gene; seq.var. = ?

DNA(specification)—
CDH26 gene;
sequence variation
name of component: cadherin-like 26
[NPU43989](#)
DNA(spec.)—CDH26 gene; seq.var. = ?

DNA(specification)—
CDH3 gene;
sequence variation
name of component: cadherin 3, type 1, P-cadherin (placental)
[NPU31410](#)
DNA(spec.)—CDH3 gene; seq.var. = ?

DNA(specification)—
CDH4 gene;
sequence variation
name of component: cadherin 4, type 1, R-cadherin (retinal)
[NPU31411](#)
DNA(spec.)—CDH4 gene; seq.var. = ?

DNA(specification)—
CDH5 gene;
sequence variation
name of component: cadherin 5, type 2, VE-cadherin (vascular epithelium)
[NPU31412](#)
DNA(spec.)—CDH5 gene; seq.var. = ?

DNA(specification)—
CDH6 gene;
sequence variation
name of component: cadherin 6, type 2, K-cadherin (fetal kidney)
[NPU31413](#)
DNA(spec.)—CDH6 gene; seq.var. = ?

DNA(specification)—
CDH7 gene;
sequence variation
name of component: cadherin 7, type 2
[NPU31414](#)
DNA(spec.)—CDH7 gene; seq.var. = ?

DNA(specification)—
CDH8 gene;
sequence variation
name of component: cadherin 8, type 2
[NPU31415](#)
DNA(spec.)—CDH8 gene; seq.var. = ?

DNA(specification)—
CDH9 gene;
sequence variation
name of component: cadherin 9, type 2 (T1-cadherin)
[NPU31416](#)
DNA(spec.)—CDH9 gene; seq.var. = ?

DNA(specification)—
CDIPT gene;
sequence variation
name of component: CDP-diacylglycerol--inositol 3-phosphatidyltransferase (phosphatidylinositol synthase)
[NPU31417](#)
DNA(spec.)—CDIPT gene; seq.var. = ?

DNA(specification)—
CDK10 gene;
sequence variation
name of component: cyclin-dependent kinase (CDC2-like) 10
[NPU31418](#)
DNA(spec.)—CDK10 gene; seq.var. = ?

DNA(specification)—
CDK11 gene;
sequence variation
name of component: cyclin-dependent kinase (CDC2-like) 11
[NPU46982](#)
DNA(spec.)—CDK11 gene; seq.var. = ?

DNA(specification)—
CDK2 gene;
sequence variation
name of component: cyclin-dependent kinase 2
[NPU31419](#)
DNA(spec.)—CDK2 gene; seq.var. = ?

DNA(specification)—
CDK2AP1 gene;
sequence variation
name of component: CDK2-associated protein 1
[NPU42438](#)
DNA(spec.)—CDK2AP1 gene; seq.var. = ?

DNA(specification)—**CDK3 gene;****sequence variation**

name of component: cyclin-dependent kinase 3

[NPU31420](#)

DNA(spec.)—CDK3 gene; seq.var. = ?

DNA(specification)—**CDK4 gene;****sequence variation**

name of component: cyclin-dependent kinase 4

[NPU31421](#)

DNA(spec.)—CDK4 gene; seq.var. = ?

DNA(specification)—**CDK5 gene;****sequence variation**

name of component: cyclin-dependent kinase 5

[NPU31422](#)

DNA(spec.)—CDK5 gene; seq.var. = ?

DNA(specification)—**CDK5R1 gene;****sequence variation**name of component: cyclin-dependent kinase 5,
regulatory subunit 1 (p35)[NPU31423](#)

DNA(spec.)—CDK5R1 gene; seq.var. = ?

DNA(specification)—**CDK5R2 gene;****sequence variation**name of component: cyclin-dependent kinase 5,
regulatory subunit 2 (p39)[NPU31424](#)

DNA(spec.)—CDK5R2 gene; seq.var. = ?

DNA(specification)—**CDK5RAP1 gene;****sequence variation**name of component: CDK5 regulatory subunit as-
sociated protein 1[NPU43970](#)

DNA(spec.)—CDK5RAP1 gene; seq.var. = ?

DNA(specification)—**CDK5RAP2 gene;****sequence variation**name of component: CDK5 regulatory subunit as-
sociated protein 2[NPU46611](#)

DNA(spec.)—CDK5RAP2 gene; seq.var. = ?

DNA(specification)—**CDK5RAP3 gene;****sequence variation**name of component: CDK5 regulatory subunit as-
sociated protein 3[NPU46612](#)

DNA(spec.)—CDK5RAP3 gene; seq.var. = ?

DNA(specification)—**CDK6 gene;****sequence variation**

name of component: cyclin-dependent kinase 6

[NPU31425](#)

DNA(spec.)—CDK6 gene; seq.var. = ?

DNA(specification)—**CDK7 gene;****sequence variation**name of component: cyclin-dependent kinase 7
(MO15 homolog, *Xenopus laevis*, cdk-activating
kinase)[NPU31426](#)

DNA(spec.)—CDK7 gene; seq.var. = ?

DNA(specification)—**CDK8 gene;****sequence variation**

name of component: cyclin-dependent kinase 8

[NPU31427](#)

DNA(spec.)—CDK8 gene; seq.var. = ?

DNA(specification)—**CDK9 gene;****sequence variation**name of component: cyclin-dependent kinase 9
(CDC2-related kinase)[NPU31428](#)

DNA(spec.)—CDK9 gene; seq.var. = ?

DNA(specification)—**CDKAL1 gene;****sequence variation**name of component: CDK5 regulatory subunit as-
sociated protein 1-like 1[NPU47846](#)

DNA(spec.)—CDKAL1 gene; seq.var. = ?

DNA(specification)—**CDKL1 gene;****sequence variation**name of component: cyclin-dependent kinase-like
1 (CDC2-related kinase)[NPU31429](#)

DNA(spec.)—CDKL1 gene; seq.var. = ?

DNA(specification)—
CDKL2 gene;
sequence variation
name of component: cyclin-dependent kinase-like
2 (CDC2-related kinase)
[NPU31430](#)
DNA(spec.)—CDKL2 gene; seq.var. = ?

DNA(specification)—
CDKL3 gene;
sequence variation
name of component: cyclin-dependent kinase-like
3
[NPU43695](#)
DNA(spec.)—CDKL3 gene; seq.var. = ?

DNA(specification)—
CDKL5 gene;
sequence variation
name of component: cyclin-dependent kinase-like
5
[NPU40477](#)
DNA(spec.)—CDKL5 gene; seq.var. = ?

DNA(specification)—
CDKN1A gene;
sequence variation
name of component: cyclin-dependent kinase in-
hibitor 1A (p21, Cip1)
[NPU31431](#)
DNA(spec.)—CDKN1A gene; seq.var. = ?

DNA(specification)—
CDKN1B gene;
sequence variation
name of component: cyclin-dependent kinase in-
hibitor 1B (p27, Kip1)
[NPU31432](#)
DNA(spec.)—CDKN1B gene; seq.var. = ?

DNA(specification)—
CDKN1C gene;
sequence variation
name of component: cyclin-dependent kinase in-
hibitor 1C (p57, Kip2)
[NPU19036](#)
DNA(spec.)—CDKN1C gene; seq.var. = ?

DNA(specification)—
CDKN2A gene;
sequence variation
name of component: cyclin-dependent kinase in-
hibitor 2A (melanoma, p16, inhibits CDK4)
[NPU19037](#)
DNA(spec.)—CDKN2A gene; seq.var. = ?

DNA(specification)—
CDKN2B gene;
sequence variation
name of component: cyclin-dependent kinase in-
hibitor 2B (p15, inhibits CDK4)
[NPU19038](#)
DNA(spec.)—CDKN2B gene; seq.var. = ?

DNA(specification)—
CDKN2C gene;
sequence variation
name of component: cyclin-dependent kinase in-
hibitor 2C (p18, inhibits CDK4)
[NPU31433](#)
DNA(spec.)—CDKN2C gene; seq.var. = ?

DNA(specification)—
CDKN2D gene;
sequence variation
name of component: cyclin-dependent kinase in-
hibitor 2D (p19, inhibits CDK4)
[NPU31434](#)
DNA(spec.)—CDKN2D gene; seq.var. = ?

DNA(specification)—
CDKN3 gene;
sequence variation
name of component: cyclin-dependent kinase in-
hibitor 3 (CDK2-associated dual specificity phos-
phatase)
[NPU31435](#)
DNA(spec.)—CDKN3 gene; seq.var. = ?

DNA(specification)—
CDL1 gene;
sequence variation
name of component: Cornelia de Lange syndrome
1
[NPU31436](#)
DNA(spec.)—CDL1 gene; seq.var. = ?

DNA(specification)—
CDL2 gene;
sequence variation
name of component: Cornelia de Lange syndrome
2
[NPU31437](#)
DNA(spec.)—CDL2 gene; seq.var. = ?

DNA(specification)—
CDO1 gene;
sequence variation
name of component: cysteine dioxygenase, type I
[NPU31438](#)
DNA(spec.)—CDO1 gene; seq.var. = ?

DNA(specification)—**CDON gene;****sequence variation**

name of component: cell adhesion molecule-related/down-regulated by oncogenes

[NPU44850](#)

DNA(spec.)—CDON gene; seq.var. = ?

DNA(specification)—**CDPD1 gene;****sequence variation**

name of component: corneal dystrophy and perceptive deafness 1

[NPU43838](#)

DNA(spec.)—CDPD1 gene; seq.var. = ?

DNA(specification)—**CDR1 gene;****sequence variation**

name of component: cerebellar degeneration-related protein 1, 34 kDa

[NPU31439](#)

DNA(spec.)—CDR1 gene; seq.var. = ?

DNA(specification)—**CDR2 gene;****sequence variation**

name of component: cerebellar degeneration-related protein 2, 62 kDa

[NPU31440](#)

DNA(spec.)—CDR2 gene; seq.var. = ?

DNA(specification)—**CDRT1 gene;****sequence variation**

name of component: CMT1A duplicated region transcript 1

[NPU42708](#)

DNA(spec.)—CDRT1 gene; seq.var. = ?

DNA(specification)—**CDRT10 gene;****sequence variation**

name of component: CMT1A duplicated region transcript 10

[NPU42718](#)

DNA(spec.)—CDRT10 gene; seq.var. = ?

DNA(specification)—**CDRT11 gene;****sequence variation**

name of component: CMT1A duplicated region transcript 11

[NPU42719](#)

DNA(spec.)—CDRT11 gene; seq.var. = ?

DNA(specification)—**CDRT12 gene;****sequence variation**

name of component: CMT1A duplicated region transcript 12

[NPU42720](#)

DNA(spec.)—CDRT12 gene; seq.var. = ?

DNA(specification)—**CDRT13 gene;****sequence variation**

name of component: CMT1A duplicated region transcript 13

[NPU42721](#)

DNA(spec.)—CDRT13 gene; seq.var. = ?

DNA(specification)—**CDRT14 gene;****sequence variation**

name of component: CMT1A duplicated region transcript 14

[NPU42722](#)

DNA(spec.)—CDRT14 gene; seq.var. = ?

DNA(specification)—**CDRT15 gene;****sequence variation**

name of component: CMT1A duplicated region transcript 15

[NPU42723](#)

DNA(spec.)—CDRT15 gene; seq.var. = ?

DNA(specification)—**CDRT2 gene;****sequence variation**

name of component: CMT1A duplicated region transcript 2

[NPU42709](#)

DNA(spec.)—CDRT2 gene; seq.var. = ?

DNA(specification)—**CDRT3 gene;****sequence variation**

name of component: CMT1A duplicated region transcript 3

[NPU42710](#)

DNA(spec.)—CDRT3 gene; seq.var. = ?

DNA(specification)—**CDRT4 gene;****sequence variation**

name of component: CMT1A duplicated region transcript 4

[NPU42711](#)

DNA(spec.)—CDRT4 gene; seq.var. = ?

DNA(specification)—
CDRT5 gene;
sequence variation
name of component: CMT1A duplicated region
transcript 5
[NPU42712](#)
DNA(spec.)—CDRT5 gene; seq.var. = ?

DNA(specification)—
CDRT6 gene;
sequence variation
name of component: CMT1A duplicated region
transcript 6
[NPU42713](#)
DNA(spec.)—CDRT6 gene; seq.var. = ?

DNA(specification)—
CDRT7 gene;
sequence variation
name of component: CMT1A duplicated region
transcript 7
[NPU42714](#)
DNA(spec.)—CDRT7 gene; seq.var. = ?

DNA(specification)—
CDRT8 gene;
sequence variation
name of component: CMT1A duplicated region
transcript 8
[NPU42715](#)
DNA(spec.)—CDRT8 gene; seq.var. = ?

DNA(specification)—
CDRT9 gene;
sequence variation
name of component: CMT1A duplicated region
transcript 9
[NPU42717](#)
DNA(spec.)—CDRT9 gene; seq.var. = ?

DNA(specification)—
CDS1 gene;
sequence variation
name of component: CDP-diacylglycerol synthase
(phosphatidate cytidylyltransferase) 1
[NPU31441](#)
DNA(spec.)—CDS1 gene; seq.var. = ?

DNA(specification)—
CDS2 gene;
sequence variation
name of component: CDP-diacylglycerol synthase
(phosphatidate cytidylyltransferase) 2
[NPU31442](#)
DNA(spec.)—CDS2 gene; seq.var. = ?

DNA(specification)—
CDSN gene;
sequence variation
name of component: corneodesmosin
[NPU31443](#)
DNA(spec.)—CDSN gene; seq.var. = ?

DNA(specification)—
CDV1 gene;
sequence variation
name of component: carnitine deficiency-
associated, expressed in ventricle 1
[NPU42667](#)
DNA(spec.)—CDV1 gene; seq.var. = ?

DNA(specification)—
CDW52 gene;
sequence variation
name of component: CDW52 antigen
(CAMPATH-1 antigen)
[NPU31444](#)
DNA(spec.)—CDW52 gene; seq.var. = ?

DNA(specification)—
CDX1 gene;
sequence variation
name of component: caudal type homeo box tran-
scription factor 1
[NPU31445](#)
DNA(spec.)—CDX1 gene; seq.var. = ?

DNA(specification)—
CDX2 gene;
sequence variation
name of component: caudal type homeo box tran-
scription factor 2
[NPU31446](#)
DNA(spec.)—CDX2 gene; seq.var. = ?

DNA(specification)—
CDX4 gene;
sequence variation
name of component: caudal type homeo box tran-
scription factor 4
[NPU31447](#)
DNA(spec.)—CDX4 gene; seq.var. = ?

DNA(specification)—
CDY1 gene;
sequence variation
name of component: chromodomain protein, Y
chromosome, 1
[NPU31448](#)
DNA(spec.)—CDY1 gene; seq.var. = ?

DNA(specification)—**CDY2 gene;****sequence variation**

name of component: chromodomain protein, Y chromosome, 2

[NPU31449](#)

DNA(spec.)—CDY2 gene; seq.var. = ?

DNA(specification)—**CDYL gene;****sequence variation**

name of component: chromodomain protein, Y chromosome-like

[NPU31450](#)

DNA(spec.)—CDYL gene; seq.var. = ?

DNA(specification)—**CDYP gene;****sequence variation**

name of component: chromodomain protein, Y chromosome, pseudogene

[NPU31451](#)

DNA(spec.)—CDYP gene; seq.var. = ?

DNA(specification)—**CEACAM1 gene;****sequence variation**

name of component: carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein)

[NPU31452](#)

DNA(spec.)—CEACAM1 gene; seq.var. = ?

DNA(specification)—**CEACAM3 gene;****sequence variation**

name of component: carcinoembryonic antigen-related cell adhesion molecule 3

[NPU31453](#)

DNA(spec.)—CEACAM3 gene; seq.var. = ?

DNA(specification)—**CEACAM4 gene;****sequence variation**

name of component: carcinoembryonic antigen-related cell adhesion molecule 4

[NPU31454](#)

DNA(spec.)—CEACAM4 gene; seq.var. = ?

DNA(specification)—**CEACAM5 gene;****sequence variation**

name of component: carcinoembryonic antigen-related cell adhesion molecule 5

[NPU31455](#)

DNA(spec.)—CEACAM5 gene; seq.var. = ?

DNA(specification)—**CEACAM6 gene;****sequence variation**

name of component: carcinoembryonic antigen-related cell adhesion molecule 6 (non-specific cross reacting antigen)

[NPU31456](#)

DNA(spec.)—CEACAM6 gene; seq.var. = ?

DNA(specification)—**CEACAM7 gene;****sequence variation**

name of component: carcinoembryonic antigen-related cell adhesion molecule 7

[NPU31457](#)

DNA(spec.)—CEACAM7 gene; seq.var. = ?

DNA(specification)—**CEACAM8 gene;****sequence variation**

name of component: carcinoembryonic antigen-related cell adhesion molecule 8

[NPU31458](#)

DNA(spec.)—CEACAM8 gene; seq.var. = ?

DNA(specification)—**CEACAMP1 gene;****sequence variation**

name of component: carcinoembryonic antigen-related cell adhesion molecule pseudogene 1

[NPU31459](#)

DNA(spec.)—CEACAMP1 gene; seq.var. = ?

DNA(specification)—**CEACAMP10 gene;****sequence variation**

name of component: carcinoembryonic antigen-related cell adhesion molecule pseudogene 10

[NPU31460](#)

DNA(spec.)—CEACAMP10 gene; seq.var. = ?

DNA(specification)—**CEACAMP11 gene;****sequence variation**

name of component: carcinoembryonic antigen-related cell adhesion molecule pseudogene 11

[NPU31461](#)

DNA(spec.)—CEACAMP11 gene; seq.var. = ?

DNA(specification)—**CEACAMP2 gene;****sequence variation**

name of component: carcinoembryonic antigen-related cell adhesion molecule pseudogene 2

[NPU31462](#)

DNA(spec.)—CEACAMP2 gene; seq.var. = ?

DNA(specification)—
CEACAMP3 gene;
sequence variation
name of component: carcinoembryonic antigen-related cell adhesion molecule pseudogene 3
[NPU31463](#)
DNA(spec.)—CEACAMP3 gene; seq.var. = ?

DNA(specification)—
CEACAMP4 gene;
sequence variation
name of component: carcinoembryonic antigen-related cell adhesion molecule pseudogene 4
[NPU31464](#)
DNA(spec.)—CEACAMP4 gene; seq.var. = ?

DNA(specification)—
CEACAMP5 gene;
sequence variation
name of component: carcinoembryonic antigen-related cell adhesion molecule pseudogene 5
[NPU31465](#)
DNA(spec.)—CEACAMP5 gene; seq.var. = ?

DNA(specification)—
CEACAMP6 gene;
sequence variation
name of component: carcinoembryonic antigen-related cell adhesion molecule pseudogene 6
[NPU31466](#)
DNA(spec.)—CEACAMP6 gene; seq.var. = ?

DNA(specification)—
CEACAMP7 gene;
sequence variation
name of component: carcinoembryonic antigen-related cell adhesion molecule pseudogene 7
[NPU31467](#)
DNA(spec.)—CEACAMP7 gene; seq.var. = ?

DNA(specification)—
CEACAMP8 gene;
sequence variation
name of component: carcinoembryonic antigen-related cell adhesion molecule pseudogene 8
[NPU31468](#)
DNA(spec.)—CEACAMP8 gene; seq.var. = ?

DNA(specification)—
CEACAMP9 gene;
sequence variation
name of component: carcinoembryonic antigen-related cell adhesion molecule pseudogene 9
[NPU31469](#)
DNA(spec.)—CEACAMP9 gene; seq.var. = ?

DNA(specification)—
CEBPA gene;
sequence variation
name of component: CCAAT/enhancer binding protein (C/EBP), alpha
[NPU31470](#)
DNA(spec.)—CEBPA gene; seq.var. = ?

DNA(specification)—
CEBPB gene;
sequence variation
name of component: CCAAT/enhancer binding protein (C/EBP), beta
[NPU31471](#)
DNA(spec.)—CEBPB gene; seq.var. = ?

DNA(specification)—
CEBPD gene;
sequence variation
name of component: CCAAT/enhancer binding protein (C/EBP), delta
[NPU31472](#)
DNA(spec.)—CEBPD gene; seq.var. = ?

DNA(specification)—
CEBPE gene;
sequence variation
name of component: CCAAT/enhancer binding protein (C/EBP), epsilon
[NPU31473](#)
DNA(spec.)—CEBPE gene; seq.var. = ?

DNA(specification)—
CEBPG gene;
sequence variation
name of component: CCAAT/enhancer binding protein (C/EBP), gamma
[NPU31474](#)
DNA(spec.)—CEBPG gene; seq.var. = ?

DNA(specification)—
CECR gene;
sequence variation
name of component: cat eye syndrome chromosome region
[NPU31475](#)
DNA(spec.)—CECR gene; seq.var. = ?

DNA(specification)—
CECR1 gene;
sequence variation
name of component: cat eye syndrome chromosome region, candidate 1
[NPU31476](#)
DNA(spec.)—CECR1 gene; seq.var. = ?

DNA(specification)—**CECR2 gene;****sequence variation**

name of component: cat eye syndrome chromosome region, candidate 2

[NPU31477](#)

DNA(spec.)—CECR2 gene; seq.var. = ?

DNA(specification)—**CECR3 gene;****sequence variation**

name of component: cat eye syndrome chromosome region, candidate 3

[NPU31478](#)

DNA(spec.)—CECR3 gene; seq.var. = ?

DNA(specification)—**CECR4 gene;****sequence variation**

name of component: cat eye syndrome chromosome region, candidate 4

[NPU31479](#)

DNA(spec.)—CECR4 gene; seq.var. = ?

DNA(specification)—**CECR5 gene;****sequence variation**

name of component: cat eye syndrome chromosome region, candidate 5

[NPU31480](#)

DNA(spec.)—CECR5 gene; seq.var. = ?

DNA(specification)—**CECR6 gene;****sequence variation**

name of component: cat eye syndrome chromosome region, candidate 6

[NPU31481](#)

DNA(spec.)—CECR6 gene; seq.var. = ?

DNA(specification)—**CECR7 gene;****sequence variation**

name of component: cat eye syndrome chromosome region, candidate 7

[NPU31482](#)

DNA(spec.)—CECR7 gene; seq.var. = ?

DNA(specification)—**CECR8 gene;****sequence variation**

name of component: cat eye syndrome chromosome region, candidate 8

[NPU31483](#)

DNA(spec.)—CECR8 gene; seq.var. = ?

DNA(specification)—**CECR9 gene;****sequence variation**

name of component: cat eye syndrome chromosome region, candidate 9

[NPU31484](#)

DNA(spec.)—CECR9 gene; seq.var. = ?

DNA(specification)—**CEL gene;****sequence variation**

name of component: carboxyl ester lipase (bile salt-stimulated lipase)

[NPU31485](#)

DNA(spec.)—CEL gene; seq.var. = ?

DNA(specification)—**CELIAC2 gene;****sequence variation**

name of component: celiac disease 2

[NPU47002](#)

DNA(spec.)—CELIAC2 gene; seq.var. = ?

DNA(specification)—**CELIAC3 gene;****sequence variation**

name of component: celiac disease 3

[NPU47001](#)

DNA(spec.)—CELIAC3 gene; seq.var. = ?

DNA(specification)—**CELP gene;****sequence variation**

name of component: carboxyl ester lipase pseudogene

[NPU31486](#)

DNA(spec.)—CELP gene; seq.var. = ?

DNA(specification)—**CELSR1 gene;****sequence variation**

name of component: cadherin, EGF LAG seven-pass G-type receptor 1 (flamingo homolog, Drosophila)

[NPU31487](#)

DNA(spec.)—CELSR1 gene; seq.var. = ?

DNA(specification)—**CELSR2 gene;****sequence variation**

name of component: cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)

[NPU32566](#)

DNA(spec.)—CELSR2 gene; seq.var. = ?

DNA(specification)—**CELSR3 gene;****sequence variation**

name of component: cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)

[NPU32565](#)

DNA(spec.)—CELSR3 gene; seq.var. = ?

DNA(specification)—**CENPA gene;****sequence variation**

name of component: centromere protein A, 17 kDa

[NPU31488](#)

DNA(spec.)—CENPA gene; seq.var. = ?

DNA(specification)—**CENPB gene;****sequence variation**

name of component: centromere protein B, 80 kDa

[NPU31489](#)

DNA(spec.)—CENPB gene; seq.var. = ?

DNA(specification)—**CENPC1 gene;****sequence variation**

name of component: centromere protein C 1

[NPU31490](#)

DNA(spec.)—CENPC1 gene; seq.var. = ?

DNA(specification)—**CENPC2 gene;****sequence variation**

name of component: centromere protein C2, 140 kDa

[NPU31491](#)

DNA(spec.)—CENPC2 gene; seq.var. = ?

DNA(specification)—**CENPE gene;****sequence variation**

name of component: centromere protein E, 312 kDa

[NPU31492](#)

DNA(spec.)—CENPE gene; seq.var. = ?

DNA(specification)—**CENPF gene;****sequence variation**

name of component: centromere protein F, 350/400ka (mitosin)

[NPU31493](#)

DNA(spec.)—CENPF gene; seq.var. = ?

DNA(specification)—**CENPH gene;****sequence variation**

name of component: centromere protein H

[NPU44939](#)

DNA(spec.)—CENPH gene; seq.var. = ?

DNA(specification)—**CENPJ gene;****sequence variation**

name of component: centromere protein J

[NPU44943](#)

DNA(spec.)—CENPJ gene; seq.var. = ?

DNA(specification)—**CENTA1 gene;****sequence variation**

name of component: centaurin, alpha 1

[NPU44476](#)

DNA(spec.)—CENTA1 gene; seq.var. = ?

DNA(specification)—**CENTA2 gene;****sequence variation**

name of component: centaurin, alpha 2

[NPU44477](#)

DNA(spec.)—CENTA2 gene; seq.var. = ?

DNA(specification)—**CENTB1 gene;****sequence variation**

name of component: centaurin, beta 1

[NPU44461](#)

DNA(spec.)—CENTB1 gene; seq.var. = ?

DNA(specification)—**CENTB2 gene;****sequence variation**

name of component: centaurin, beta 2

[NPU44463](#)

DNA(spec.)—CENTB2 gene; seq.var. = ?

DNA(specification)—**CENTB5 gene;****sequence variation**

name of component: centaurin, beta 5

[NPU44670](#)

DNA(spec.)—CENTB5 gene; seq.var. = ?

DNA(specification)—**CENTD1 gene;****sequence variation**

name of component: centaurin, delta 1

[NPU44772](#)

DNA(spec.)—CENTD1 gene; seq.var. = ?

DNA(specification)—**CENTD2 gene;****sequence variation**

name of component: centaurin, delta 2

[NPU44773](#)

DNA(spec.)—CENTD2 gene; seq.var. = ?

DNA(specification)—
CENTG1 gene;
sequence variation
name of component: centaurin, gamma 1
[NPU44769](#)
DNA(spec.)—CENTG1 gene; seq.var. = ?

DNA(specification)—
CENTG2 gene;
sequence variation
name of component: centaurin, gamma 2
[NPU44770](#)
DNA(spec.)—CENTG2 gene; seq.var. = ?

DNA(specification)—
CENTG3 gene;
sequence variation
name of component: centaurin, gamma 3
[NPU44771](#)
DNA(spec.)—CENTG3 gene; seq.var. = ?

DNA(specification)—
CEP1 gene;
sequence variation
name of component: centrosomal protein 1
[NPU31494](#)
DNA(spec.)—CEP1 gene; seq.var. = ?

DNA(specification)—
CEP2 gene;
sequence variation
name of component: centrosomal protein 2
[NPU31495](#)
DNA(spec.)—CEP2 gene; seq.var. = ?

DNA(specification)—
CEPA gene;
sequence variation
name of component: congenital episodic primary apnea
[NPU31496](#)
DNA(spec.)—CEPA gene; seq.var. = ?

DNA(specification)—
CER1 gene;
sequence variation
name of component: cerberus 1 homolog, cysteine knot superfamily (*Xenopus laevis*)
[NPU31497](#)
DNA(spec.)—CER1 gene; seq.var. = ?

DNA(specification)—
CERK gene;
sequence variation
name of component: ceramide kinase
[NPU46940](#)
DNA(spec.)—CERK gene; seq.var. = ?

DNA(specification)—
CES1 gene;
sequence variation
name of component: carboxylesterase 1 (monocyte/macrophage serine esterase 1)
[NPU31498](#)
DNA(spec.)—CES1 gene; seq.var. = ?

DNA(specification)—
CES2 gene;
sequence variation
name of component: carboxylesterase 2 (intestine, liver)
[NPU31499](#)
DNA(spec.)—CES2 gene; seq.var. = ?

DNA(specification)—
CES3 gene;
sequence variation
name of component: carboxylesterase 3 (brain)
[NPU31500](#)
DNA(spec.)—CES3 gene; seq.var. = ?

DNA(specification)—
CETN1 gene;
sequence variation
name of component: centrin, EF-hand protein, 1
[NPU31501](#)
DNA(spec.)—CETN1 gene; seq.var. = ?

DNA(specification)—
CETN2 gene;
sequence variation
name of component: centrin, EF-hand protein, 2
[NPU31502](#)
DNA(spec.)—CETN2 gene; seq.var. = ?

DNA(specification)—
CETN3 gene;
sequence variation
name of component: centrin, EF-hand protein, 3 (CDC31 homolog, yeast)
[NPU31503](#)
DNA(spec.)—CETN3 gene; seq.var. = ?

DNA(specification)—
CETP gene;
sequence variation
name of component: cholesteryl ester transfer protein, plasma
[NPU19218](#)
DNA(spec.)—CETP gene; seq.var. = ?

DNA(specification)—
CFDP1 gene;
sequence variation
name of component: craniofacial development protein 1
[NPU31504](#)
DNA(spec.)—CFDP1 gene; seq.var. = ?

DNA(specification)—**CFL1 gene;****sequence variation**

name of component: cofilin 1 (non-muscle)

[NPU31505](#)

DNA(spec.)—CFL1 gene; seq.var. = ?

DNA(specification)—**CFL2 gene;****sequence variation**

name of component: cofilin 2 (muscle)

[NPU31506](#)

DNA(spec.)—CFL2 gene; seq.var. = ?

DNA(specification)—**CFLAR gene;****sequence variation**

name of component: CASP8 and FADD-like apoptosis regulator

[NPU31507](#)

DNA(spec.)—CFLAR gene; seq.var. = ?

DNA(specification)—**CFL11 gene;****sequence variation**

name of component: cofilin-like 1

[NPU31508](#)

DNA(spec.)—CFL11 gene; seq.var. = ?

DNA(specification)—**CFL12 gene;****sequence variation**

name of component: cofilin-like 2

[NPU31509](#)

DNA(spec.)—CFL12 gene; seq.var. = ?

DNA(specification)—**CFL13 gene;****sequence variation**

name of component: cofilin-like 3

[NPU31510](#)

DNA(spec.)—CFL13 gene; seq.var. = ?

DNA(specification)—**CFL14 gene;****sequence variation**

name of component: cofilin-like 4

[NPU31511](#)

DNA(spec.)—CFL14 gene; seq.var. = ?

DNA(specification)—**CFM1 gene;****sequence variation**

name of component: cystic fibrosis modifier 1

[NPU31512](#)

DNA(spec.)—CFM1 gene; seq.var. = ?

DNA(specification)—**CFM2 gene;****sequence variation**

name of component: cystic fibrosis modifier 2

[NPU31513](#)

DNA(spec.)—CFM2 gene; seq.var. = ?

DNA(specification)—**CFNS gene;****sequence variation**

name of component: craniofrontonasal syndrome (craniofrontonasal dysplasia)

[NPU31514](#)

DNA(spec.)—CFNS gene; seq.var. = ?

DNA(specification)—**CFTR gene;****sequence variation**

name of component: cystic fibrosis transmembrane conductance regulator, ATP-binding cassette (sub-family C, member 7)

[NPU19039](#)

DNA(spec.)—CFTR gene; seq.var. = ?

DNA(specification)—**CFTR gene(MIM602421.0001);****entitic number(0 1 2)****NPU19279**

DNA(spec.)—CFTR gene(MIM602421.0001); entitic num.(0 1 2) = ?

DNA(specification)—**CFTR gene(MIM602421.0005);****entitic number(0 1 2)****NPU19281**

DNA(spec.)—CFTR gene(MIM602421.0005); entitic num.(0 1 2) = ?

DNA(specification)—**CFTR gene(MIM602421.0086);****entitic number(0 1 2)****NPU19280**

DNA(spec.)—CFTR gene(MIM602421.0086); entitic num.(0 1 2) = ?

DNA(specification)—**CGA gene;****sequence variation**

name of component: glycoprotein hormones, alpha polypeptide

[NPU31515](#)

DNA(spec.)—CGA gene; seq.var. = ?

DNA(specification)—**CGB gene;****sequence variation**

name of component: chorionic gonadotropin, beta polypeptide

[NPU31516](#)

DNA(spec.)—CGB gene; seq.var. = ?

DNA(specification)—**CGB1 gene;****sequence variation**

name of component: chorionic gonadotropin, beta polypeptide 1

[NPU44661](#)

DNA(spec.)—CGB1 gene; seq.var. = ?

DNA(specification)—**CGB2 gene;****sequence variation**

name of component: chorionic gonadotropin, beta polypeptide 2

[NPU44662](#)

DNA(spec.)—CGB2 gene; seq.var. = ?

DNA(specification)—**CGB5 gene;****sequence variation**

name of component: chorionic gonadotropin, beta polypeptide 5

[NPU44448](#)

DNA(spec.)—CGB5 gene; seq.var. = ?

DNA(specification)—**CGB7 gene;****sequence variation**

name of component: chorionic gonadotropin, beta polypeptide 7

[NPU44447](#)

DNA(spec.)—CGB7 gene; seq.var. = ?

DNA(specification)—**CGB8 gene;****sequence variation**

name of component: chorionic gonadotropin, beta polypeptide 8

[NPU44449](#)

DNA(spec.)—CGB8 gene; seq.var. = ?

DNA(specification)—**CGF1 gene;****sequence variation**

name of component: cognitive function 1, social

[NPU31517](#)

DNA(spec.)—CGF1 gene; seq.var. = ?

DNA(specification)—**CGGBP1 gene;****sequence variation**

name of component: CGG triplet repeat binding protein 1

[NPU31518](#)

DNA(spec.)—CGGBP1 gene; seq.var. = ?

DNA(specification)—**CGN1 gene;****sequence variation**

name of component: conglutinin 1

[NPU31519](#)

DNA(spec.)—CGN1 gene; seq.var. = ?

DNA(specification)—**CH25H gene;****sequence variation**

name of component: cholesterol 25-hydroxylase

[NPU31520](#)

DNA(spec.)—CH25H gene; seq.var. = ?

DNA(specification)—**CHAC gene;****sequence variation**

name of component: chorea acanthocytosis

[NPU31521](#)

DNA(spec.)—CHAC gene; seq.var. = ?

DNA(specification)—**CHAD gene;****sequence variation**

name of component: chondroadherin

[NPU31522](#)

DNA(spec.)—CHAD gene; seq.var. = ?

DNA(specification)—**CHAF1A gene;****sequence variation**

name of component: chromatin assembly factor 1, subunit A (p150)

[NPU31523](#)

DNA(spec.)—CHAF1A gene; seq.var. = ?

DNA(specification)—**CHAF1B gene;****sequence variation**

name of component: chromatin assembly factor 1, subunit B (p60)

[NPU31524](#)

DNA(spec.)—CHAF1B gene; seq.var. = ?

DNA(specification)—**CHAT gene;****sequence variation**

name of component: choline acetyltransferase

[NPU31525](#)

DNA(spec.)—CHAT gene; seq.var. = ?

DNA(specification)—**CHC1 gene;****sequence variation**

name of component: chromosome condensation 1

[NPU31526](#)

DNA(spec.)—CHC1 gene; seq.var. = ?

DNA(specification)—**CHC1L gene;****sequence variation**

name of component: chromosome condensation 1-like

[NPU31527](#)

DNA(spec.)—CHC1L gene; seq.var. = ?

DNA(specification)—**CHD1 gene;****sequence variation**

name of component: chromodomain helicase DNA binding protein 1

[NPU31528](#)

DNA(spec.)—CHD1 gene; seq.var. = ?

DNA(specification)—**CHD1L gene;****sequence variation**

name of component: chromodomain helicase DNA binding protein 1-like

[NPU31529](#)

DNA(spec.)—CHD1L gene; seq.var. = ?

DNA(specification)—**CHD2 gene;****sequence variation**

name of component: chromodomain helicase DNA binding protein 2

[NPU31530](#)

DNA(spec.)—CHD2 gene; seq.var. = ?

DNA(specification)—**CHD3 gene;****sequence variation**

name of component: chromodomain helicase DNA binding protein 3

[NPU31531](#)

DNA(spec.)—CHD3 gene; seq.var. = ?

DNA(specification)—**CHD4 gene;****sequence variation**

name of component: chromodomain helicase DNA binding protein 4

[NPU31532](#)

DNA(spec.)—CHD4 gene; seq.var. = ?

DNA(specification)—**CHD5 gene;****sequence variation**

name of component: chromodomain helicase DNA binding protein 5

[NPU44715](#)

DNA(spec.)—CHD5 gene; seq.var. = ?

DNA(specification)—**CHD6 gene;****sequence variation**

name of component: chromodomain helicase DNA binding protein 6

[NPU46836](#)

DNA(spec.)—CHD6 gene; seq.var. = ?

DNA(specification)—**CHDC1 gene;****sequence variation**

name of component: calponin homology (CH) domain containing 1

[NPU47543](#)

DNA(spec.)—CHDC1 gene; seq.var. = ?

DNA(specification)—**CHE2 gene;****sequence variation**

name of component: cholinesterase (serum) 2

[NPU19040](#)

DNA(spec.)—CHE2 gene; seq.var. = ?

DNA(specification)—**CHED1 gene;****sequence variation**

name of component: corneal endothelial dystrophy 1 (autosomal dominant)

[NPU31533](#)

DNA(spec.)—CHED1 gene; seq.var. = ?

DNA(specification)—**CHED2 gene;****sequence variation**

name of component: corneal endothelial dystrophy 2 (autosomal recessive)

[NPU31534](#)

DNA(spec.)—CHED2 gene; seq.var. = ?

DNA(specification)—**CHEK1 gene;****sequence variation**

name of component: CHK1 checkpoint homolog (S. pombe)

[NPU31535](#)

DNA(spec.)—CHEK1 gene; seq.var. = ?

DNA(specification)—**CHEK2 gene;****sequence variation**

name of component: CHK2 checkpoint homolog (S. pombe)

[NPU44601](#)

DNA(spec.)—CHEK2 gene; seq.var. = ?

DNA(specification)—**CHERP gene;****sequence variation**

name of component: calcium homeostasis endoplasmic reticulum protein

[NPU44778](#)

DNA(spec.)—CHERP gene; seq.var. = ?

DNA(specification)—**CHES1 gene;****sequence variation**

name of component: checkpoint suppressor 1

[NPU31536](#)

DNA(spec.)—CHES1 gene; seq.var. = ?

DNA(specification)—**CHFR gene;****sequence variation**

name of component: checkpoint with forkhead and ring finger domains

[NPU47627](#)

DNA(spec.)—CHFR gene; seq.var. = ?

DNA(specification)—**CHGA gene;****sequence variation**

name of component: chromogranin A (parathyroid secretory protein 1)

[NPU31537](#)

DNA(spec.)—CHGA gene; seq.var. = ?

DNA(specification)—**CHGB gene;****sequence variation**

name of component: chromogranin B (secretogranin 1)

[NPU31538](#)

DNA(spec.)—CHGB gene; seq.var. = ?

DNA(specification)—**CHI3L1 gene;****sequence variation**

name of component: chitinase 3-like 1 (cartilage glycoprotein-39)

[NPU31539](#)

DNA(spec.)—CHI3L1 gene; seq.var. = ?

DNA(specification)—**CHI3L2 gene;****sequence variation**

name of component: chitinase 3-like 2

[NPU31540](#)

DNA(spec.)—CHI3L2 gene; seq.var. = ?

DNA(specification)—**CHIC1 gene;****sequence variation**

name of component: cysteine-rich hydrophobic domain 1

[NPU31541](#)

DNA(spec.)—CHIC1 gene; seq.var. = ?

DNA(specification)—**CHIC2 gene;****sequence variation**

name of component: cysteine-rich hydrophobic domain 2

[NPU31542](#)

DNA(spec.)—CHIC2 gene; seq.var. = ?

DNA(specification)—**CHIT1 gene;****sequence variation**

name of component: chitinase 1 (chitotriosidase)

[NPU31543](#)

DNA(spec.)—CHIT1 gene; seq.var. = ?

DNA(specification)—**CHK gene;****sequence variation**

name of component: choline kinase

[NPU31544](#)

DNA(spec.)—CHK gene; seq.var. = ?

DNA(specification)—**CHKL gene;****sequence variation**

name of component: choline kinase-like

[NPU31545](#)

DNA(spec.)—CHKL gene; seq.var. = ?

DNA(specification)—**CHL1 gene;****sequence variation**

name of component: cell adhesion molecule with homology to L1CAM (close homolog of L1)

[NPU31546](#)

DNA(spec.)—CHL1 gene; seq.var. = ?

DNA(specification)—**CHM gene;****sequence variation**

name of component: choroideremia (Rab escort protein 1)

[NPU31547](#)

DNA(spec.)—CHM gene; seq.var. = ?

DNA(specification)—**CHML gene;****sequence variation**

name of component: choroideremia-like (Rab escort protein 2)

[NPU31548](#)

DNA(spec.)—CHML gene; seq.var. = ?

DNA(specification)—**CHN1 gene;****sequence variation**

name of component: chimerin (chimaerin) 1

[NPU31549](#)

DNA(spec.)—CHN1 gene; seq.var. = ?

DNA(specification)—**CHN2 gene;****sequence variation**

name of component: chimerin (chimaerin) 2

[NPU31550](#)

DNA(spec.)—CHN2 gene; seq.var. = ?

DNA(specification)—**CHODL gene;****sequence variation**

name of component: chondrolectin

[NPU46107](#)

DNA(spec.)—CHODL gene; seq.var. = ?

DNA(specification)—**CHORDC1 gene;****sequence variation**

name of component: cysteine and histidine-rich domain (CHORD)-containing, zinc binding protein 1

[NPU42834](#)

DNA(spec.)—CHORDC1 gene; seq.var. = ?

DNA(specification)—**CHORDC2P gene;****sequence variation**

name of component: cysteine and histidine-rich domain (CHORD)-containing 2 pseudogene

[NPU47390](#)

DNA(spec.)—CHORDC2P gene; seq.var. = ?

DNA(specification)—**CHPT1 gene;****sequence variation**

name of component: choline phosphotransferase 1

[NPU46147](#)

DNA(spec.)—CHPT1 gene; seq.var. = ?

DNA(specification)—**CHR gene;****sequence variation**

name of component: chromate resistance; sulfate transport

[NPU31551](#)

DNA(spec.)—CHR gene; seq.var. = ?

DNA(specification)—**CHR39B gene;****sequence variation**

name of component: cholesterol-repressible protein 39B

[NPU31552](#)

DNA(spec.)—CHR39B gene; seq.var. = ?

DNA(specification)—**CHR39C gene;****sequence variation**

name of component: cholesterol-repressible protein 39C

[NPU31553](#)

DNA(spec.)—CHR39C gene; seq.var. = ?

DNA(specification)—**CHRAC1 gene;****sequence variation**

name of component: chromatin accessibility complex 1

[NPU42186](#)

DNA(spec.)—CHRAC1 gene; seq.var. = ?

DNA(specification)—**CHRD gene;****sequence variation**

name of component: chordin

[NPU31554](#)

DNA(spec.)—CHRD gene; seq.var. = ?

DNA(specification)—**CHRFAM7A gene;****sequence variation**

name of component: CHRNA7 (cholinergic receptor, nicotinic, alpha polypeptide 7, exons 5-10) and FAM7A (family with sequence similarity 7A, exons A-E) fusion

[NPU43897](#)

DNA(spec.)—CHRFAM7A gene; seq.var. = ?

DNA(specification)—**CHRM1 gene;****sequence variation**

name of component: cholinergic receptor, muscarinic 1

[NPU31555](#)

DNA(spec.)—CHRM1 gene; seq.var. = ?

DNA(specification)—**CHRM2 gene;****sequence variation**

name of component: cholinergic receptor, muscarinic 2

[NPU31556](#)

DNA(spec.)—CHRM2 gene; seq.var. = ?

DNA(specification)—**CHRM3 gene;****sequence variation**

name of component: cholinergic receptor, muscarinic 3

[NPU31557](#)

DNA(spec.)—CHRM3 gene; seq.var. = ?

DNA(specification)—**CHRM4 gene;****sequence variation**

name of component: cholinergic receptor, muscarinic 4

[NPU31558](#)

DNA(spec.)—CHRM4 gene; seq.var. = ?

DNA(specification)—**CHRM5 gene;****sequence variation**

name of component: cholinergic receptor, muscarinic 5

[NPU31559](#)

DNA(spec.)—CHRM5 gene; seq.var. = ?

DNA(specification)—**CHRNA1 gene;****sequence variation**

name of component: cholinergic receptor, nicotinic, alpha polypeptide 1 (muscle)

[NPU31560](#)

DNA(spec.)—CHRNA1 gene; seq.var. = ?

DNA(specification)—**CHRNA10 gene;****sequence variation**

name of component: cholinergic receptor, nicotinic, alpha polypeptide 10

[NPU42327](#)

DNA(spec.)—CHRNA10 gene; seq.var. = ?

DNA(specification)—**CHRNA2 gene;****sequence variation**

name of component: cholinergic receptor, nicotinic, alpha polypeptide 2 (neuronal)

[NPU31561](#)

DNA(spec.)—CHRNA2 gene; seq.var. = ?

DNA(specification)—**CHRNA3 gene;****sequence variation**

name of component: cholinergic receptor, nicotinic, alpha polypeptide 3

[NPU31562](#)

DNA(spec.)—CHRNA3 gene; seq.var. = ?

DNA(specification)—**CHRNA4 gene;****sequence variation**

name of component: cholinergic receptor, nicotinic, alpha polypeptide 4

[NPU31563](#)

DNA(spec.)—CHRNA4 gene; seq.var. = ?

DNA(specification)—**CHRNA5 gene;****sequence variation**

name of component: cholinergic receptor, nicotinic, alpha polypeptide 5

[NPU31564](#)

DNA(spec.)—CHRNA5 gene; seq.var. = ?

DNA(specification)—**CHRNA6 gene;****sequence variation**

name of component: cholinergic receptor, nicotinic, alpha polypeptide 6

[NPU44041](#)

DNA(spec.)—CHRNA6 gene; seq.var. = ?

DNA(specification)—**CHRNA7 gene;****sequence variation**

name of component: cholinergic receptor, nicotinic, alpha polypeptide 7

[NPU31565](#)

DNA(spec.)—CHRNA7 gene; seq.var. = ?

DNA(specification)—**CHRNA9 gene;****sequence variation**

name of component: cholinergic receptor, nicotinic, alpha polypeptide 9

[NPU42498](#)

DNA(spec.)—CHRNA9 gene; seq.var. = ?

DNA(specification)—**CHRNA9 gene;****sequence variation**

name of component: cholinergic receptor, nicotinic, beta polypeptide 1 (muscle)

[NPU31566](#)

DNA(spec.)—CHRNA9 gene; seq.var. = ?

DNA(specification)—**CHRNA9 gene;****sequence variation**

name of component: cholinergic receptor, nicotinic, beta polypeptide 2 (neuronal)

[NPU31567](#)

DNA(spec.)—CHRNA9 gene; seq.var. = ?

DNA(specification)—**CHRNA3 gene;****sequence variation**

name of component: cholinergic receptor, nicotinic, beta polypeptide 3

[NPU31568](#)

DNA(spec.)—CHRNA3 gene; seq.var. = ?

DNA(specification)—**CHRNA4 gene;****sequence variation**

name of component: cholinergic receptor, nicotinic, beta polypeptide 4

[NPU31569](#)

DNA(spec.)—CHRNA4 gene; seq.var. = ?

DNA(specification)—**CHRNA5 gene;****sequence variation**

name of component: cholinergic receptor, nicotinic, delta polypeptide

[NPU31570](#)

DNA(spec.)—CHRNA5 gene; seq.var. = ?

DNA(specification)—**CHRNA6 gene;****sequence variation**

name of component: cholinergic receptor, nicotinic, epsilon polypeptide

[NPU31571](#)

DNA(spec.)—CHRNA6 gene; seq.var. = ?

DNA(specification)—**CHRNA7 gene;****sequence variation**

name of component: cholinergic receptor, nicotinic, gamma polypeptide

[NPU31572](#)

DNA(spec.)—CHRNA7 gene; seq.var. = ?

DNA(specification)—**CHST1 gene;****sequence variation**

name of component: Chediak-Higashi syndrome 1

[NPU31573](#)

DNA(spec.)—CHST1 gene; seq.var. = ?

DNA(specification)—**CHST2 gene;****sequence variation**

name of component: carbohydrate (keratan sulfate Gal-6) sulfotransferase 1

[NPU31574](#)

DNA(spec.)—CHST2 gene; seq.var. = ?

DNA(specification)—**CHST3 gene;****sequence variation**

name of component: carbohydrate sulfotransferase 10

[NPU47129](#)

DNA(spec.)—CHST3 gene; seq.var. = ?

DNA(specification)—**CHST4 gene;****sequence variation**

name of component: carbohydrate (N-acetylglucosamine-6-O) sulfotransferase 2

[NPU31575](#)

DNA(spec.)—CHST4 gene; seq.var. = ?

DNA(specification)—**CHST5 gene;****sequence variation**

name of component: carbohydrate (chondroitin 6) sulfotransferase 3

[NPU31576](#)

DNA(spec.)—CHST5 gene; seq.var. = ?

DNA(specification)—**CHST6 gene;****sequence variation**

name of component: carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 4

[NPU31577](#)

DNA(spec.)—CHST6 gene; seq.var. = ?

DNA(specification)—**CHST7 gene;****sequence variation**

name of component: carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 5

[NPU31578](#)

DNA(spec.)—CHST7 gene; seq.var. = ?

DNA(specification)—**CHST8 gene;****sequence variation**

name of component: carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 6

[NPU36704](#)

DNA(spec.)—CHST8 gene; seq.var. = ?

DNA(specification)—**CHST9 gene;****sequence variation**

name of component: carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 7

[NPU42339](#)

DNA(spec.)—CHST9 gene; seq.var. = ?

DNA(specification)—**CHST8 gene;****sequence variation**

name of component: carbohydrate (N-acetylgalactosamine 4-0) sulfotransferase 8

[NPU44067](#)

DNA(spec.)—CHST8 gene; seq.var. = ?

DNA(specification)—**CHST9 gene;****sequence variation**

name of component: carbohydrate (N-acetylgalactosamine 4-0) sulfotransferase 9

[NPU47299](#)

DNA(spec.)—CHST9 gene; seq.var. = ?

DNA(specification)—**CHSY1 gene;****sequence variation**

name of component: carbohydrate (chondroitin) synthase 1

[NPU44911](#)

DNA(spec.)—CHSY1 gene; seq.var. = ?

DNA(specification)—**CHTF18 gene;****sequence variation**

name of component: CTF18, chromosome transmission fidelity factor 18 homolog (S. cerevisiae)

[NPU46460](#)

DNA(spec.)—CHTF18 gene; seq.var. = ?

DNA(specification)—**CHUK gene;****sequence variation**

name of component: conserved helix-loop-helix ubiquitous kinase

[NPU31579](#)

DNA(spec.)—CHUK gene; seq.var. = ?

DNA(specification)—**CHX10 gene;****sequence variation**

name of component: ceh-10 homeo domain containing homolog (C. elegans)

[NPU31580](#)

DNA(spec.)—CHX10 gene; seq.var. = ?

DNA(specification)—**CIAS1 gene;****sequence variation**

name of component: cold autoinflammatory syndrome 1

[NPU44407](#)

DNA(spec.)—CIAS1 gene; seq.var. = ?

DNA(specification)—**CIB1 gene;****sequence variation**

name of component: calcium and integrin binding 1 (calmyrin)

[NPU44768](#)

DNA(spec.)—CIB1 gene; seq.var. = ?

DNA(specification)—**CIC gene;****sequence variation**

name of component: capicua homolog (Drosophila)

[NPU42595](#)

DNA(spec.)—CIC gene; seq.var. = ?

DNA(specification)—**CIDEA gene;****sequence variation**

name of component: cell death-inducing DFFA-like effector a

[NPU31581](#)

DNA(spec.)—CIDEA gene; seq.var. = ?

DNA(specification)—**CIDEB gene;****sequence variation**

name of component: cell death-inducing DFFA-like effector b

[NPU31582](#)

DNA(spec.)—CIDEB gene; seq.var. = ?

DNA(specification)—**CIDX gene;****sequence variation**

name of component: combined immunodeficiency, X-linked

[NPU31583](#)

DNA(spec.)—CIDX gene; seq.var. = ?

DNA(specification)—**CILD2 gene;****sequence variation**

name of component: ciliary dyskinesia, primary 2

[NPU31584](#)

DNA(spec.)—CILD2 gene; seq.var. = ?

DNA(specification)—**CILP gene;****sequence variation**

name of component: cartilage intermediate layer protein, nucleotide pyrophosphohydrolase

[NPU31585](#)

DNA(spec.)—CILP gene; seq.var. = ?

DNA(specification)—**CIRBP gene;****sequence variation**

name of component: cold inducible RNA binding protein

[NPU31586](#)

DNA(spec.)—CIRBP gene; seq.var. = ?

DNA(specification)—**CIRH1A gene;****sequence variation**

name of component: cirrhosis, autosomal recessive 1A (cirhin)

[NPU31587](#)

DNA(spec.)—CIRH1A gene; seq.var. = ?

DNA(specification)—**CISH gene;****sequence variation**

name of component: cytokine inducible SH2-containing protein

[NPU31588](#)

DNA(spec.)—CISH gene; seq.var. = ?

DNA(specification)—**CIT gene;****sequence variation**

name of component: citron (rho-interacting, serine/threonine kinase 21)

[NPU31589](#)

DNA(spec.)—CIT gene; seq.var. = ?

DNA(specification)—**CITED1 gene;****sequence variation**

name of component: Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 1

[NPU31590](#)

DNA(spec.)—CITED1 gene; seq.var. = ?

DNA(specification)—**CITED2 gene;****sequence variation**

name of component: Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2

[NPU31591](#)

DNA(spec.)—CITED2 gene; seq.var. = ?

DNA(specification)—**CITED4 gene;****sequence variation**

name of component: Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 4

[NPU46622](#)

DNA(spec.)—CITED4 gene; seq.var. = ?

DNA(specification)—**CKAP1 gene;****sequence variation**

name of component: cytoskeleton-associated protein 1

[NPU31592](#)

DNA(spec.)—CKAP1 gene; seq.var. = ?

DNA(specification)—**CKAP2 gene;****sequence variation**

name of component: cytoskeleton associated protein 2

[NPU31593](#)

DNA(spec.)—CKAP2 gene; seq.var. = ?

DNA(specification)—**CKAP4 gene;****sequence variation**

name of component: cytoskeleton-associated protein 4

[NPU44804](#)

DNA(spec.)—CKAP4 gene; seq.var. = ?

DNA(specification)—**CKB gene;****sequence variation**

name of component: creatine kinase, brain

[NPU31594](#)

DNA(spec.)—CKB gene; seq.var. = ?

DNA(specification)—**CKBE gene;****sequence variation**

name of component: creatine kinase, ectopic expression

[NPU31595](#)

DNA(spec.)—CKBE gene; seq.var. = ?

DNA(specification)—**CKBP1 gene;****sequence variation**

name of component: creatine kinase B pseudogene 1

[NPU31596](#)

DNA(spec.)—CKBP1 gene; seq.var. = ?

DNA(specification)—**CKLF gene;****sequence variation**

name of component: chemokine-like factor

[NPU42067](#)

DNA(spec.)—CKLF gene; seq.var. = ?

DNA(specification)—
CKLFSF1 gene;
sequence variation
name of component: chemokine-like factor super family 1
[NPU46899](#)
DNA(spec.)—CKLFSF1 gene; seq.var. = ?

DNA(specification)—
CKLFSF2 gene;
sequence variation
name of component: chemokine-like factor super family 2
[NPU46900](#)
DNA(spec.)—CKLFSF2 gene; seq.var. = ?

DNA(specification)—
CKLFSF3 gene;
sequence variation
name of component: chemokine-like factor super family 3
[NPU46901](#)
DNA(spec.)—CKLFSF3 gene; seq.var. = ?

DNA(specification)—
CKLFSF4 gene;
sequence variation
name of component: chemokine-like factor super family 4
[NPU46902](#)
DNA(spec.)—CKLFSF4 gene; seq.var. = ?

DNA(specification)—
CKLFSF5 gene;
sequence variation
name of component: chemokine-like factor super family 5
[NPU46903](#)
DNA(spec.)—CKLFSF5 gene; seq.var. = ?

DNA(specification)—
CKLFSF6 gene;
sequence variation
name of component: chemokine-like factor super family 6
[NPU46904](#)
DNA(spec.)—CKLFSF6 gene; seq.var. = ?

DNA(specification)—
CKLFSF7 gene;
sequence variation
name of component: chemokine-like factor super family 7
[NPU46905](#)
DNA(spec.)—CKLFSF7 gene; seq.var. = ?

DNA(specification)—
CKLFSF8 gene;
sequence variation
name of component: chemokine-like factor super family 8
[NPU46906](#)
DNA(spec.)—CKLFSF8 gene; seq.var. = ?

DNA(specification)—
CKM gene;
sequence variation
name of component: creatine kinase, muscle
[NPU31597](#)
DNA(spec.)—CKM gene; seq.var. = ?

DNA(specification)—
CKMT1 gene;
sequence variation
name of component: creatine kinase, mitochondrial 1 (ubiquitous)
[NPU31598](#)
DNA(spec.)—CKMT1 gene; seq.var. = ?

DNA(specification)—
CKMT2 gene;
sequence variation
name of component: creatine kinase, mitochondrial 2 (sarcomeric)
[NPU31599](#)
DNA(spec.)—CKMT2 gene; seq.var. = ?

DNA(specification)—
CKN1 gene;
sequence variation
name of component: Cockayne syndrome 1 (classical)
[NPU31600](#)
DNA(spec.)—CKN1 gene; seq.var. = ?

DNA(specification)—
CKS1A gene;
sequence variation
name of component: CDC28 protein kinase regulatory subunit 1A
[NPU31601](#)
DNA(spec.)—CKS1A gene; seq.var. = ?

DNA(specification)—
CKS1B gene;
sequence variation
name of component: CDC28 protein kinase regulatory subunit 1B
[NPU46851](#)
DNA(spec.)—CKS1B gene; seq.var. = ?

DNA(specification)—**CKS1BP gene;****sequence variation**

name of component: CDC28 protein kinase regulatory subunit 1B pseudogene

[NPU47348](#)

DNA(spec.)—CKS1BP gene; seq.var. = ?

DNA(specification)—**CKS2 gene;****sequence variation**

name of component: CDC28 protein kinase regulatory subunit 2

[NPU31602](#)

DNA(spec.)—CKS2 gene; seq.var. = ?

DNA(specification)—**CKTSF1B1 gene;****sequence variation**

name of component: cysteine knot superfamily 1, BMP antagonist 1

[NPU31603](#)

DNA(spec.)—CKTSF1B1 gene; seq.var. = ?

DNA(specification)—**CLA1 gene;****sequence variation**

name of component: cerebellar ataxia 1 (autosomal recessive)

[NPU31604](#)

DNA(spec.)—CLA1 gene; seq.var. = ?

DNA(specification)—**CLA2 gene;****sequence variation**

name of component: cerebellar ataxia 2 (X-linked)

[NPU31605](#)

DNA(spec.)—CLA2 gene; seq.var. = ?

DNA(specification)—**CLA3 gene;****sequence variation**

name of component: cerebellar ataxia 3 (cerebellar parenchyma disorder 1)

[NPU31606](#)

DNA(spec.)—CLA3 gene; seq.var. = ?

DNA(specification)—**CLASP1 gene;****sequence variation**

name of component: cytoplasmic linker associated protein 1

[NPU44844](#)

DNA(spec.)—CLASP1 gene; seq.var. = ?

DNA(specification)—**CLASP2 gene;****sequence variation**

name of component: cytoplasmic linker associated protein 2

[NPU44839](#)

DNA(spec.)—CLASP2 gene; seq.var. = ?

DNA(specification)—**CLC gene;****sequence variation**

name of component: Charot-Leyden crystal protein

[NPU31608](#)

DNA(spec.)—CLC gene; seq.var. = ?

DNA(specification)—**CLCA1 gene;****sequence variation**

name of component: chloride channel, calcium activated, family member 1

[NPU31609](#)

DNA(spec.)—CLCA1 gene; seq.var. = ?

DNA(specification)—**CLCA2 gene;****sequence variation**

name of component: chloride channel, calcium activated, family member 2

[NPU31610](#)

DNA(spec.)—CLCA2 gene; seq.var. = ?

DNA(specification)—**CLCA3 gene;****sequence variation**

name of component: chloride channel, calcium activated, family member 3

[NPU31611](#)

DNA(spec.)—CLCA3 gene; seq.var. = ?

DNA(specification)—**CLCA4 gene;****sequence variation**

name of component: chloride channel, calcium activated, family member 4

[NPU31612](#)

DNA(spec.)—CLCA4 gene; seq.var. = ?

DNA(specification)—**CLCN1 gene;****sequence variation**

name of component: chloride channel 1, skeletal muscle (Thomsen disease, autosomal dominant)

[NPU31613](#)

DNA(spec.)—CLCN1 gene; seq.var. = ?

DNA(specification)—
CLCN2 gene;
sequence variation
name of component: chloride channel 2
[NPU31614](#)
DNA(spec.)—CLCN2 gene; seq.var. = ?

DNA(specification)—
CLCN3 gene;
sequence variation
name of component: chloride channel 3
[NPU31615](#)
DNA(spec.)—CLCN3 gene; seq.var. = ?

DNA(specification)—
CLCN4 gene;
sequence variation
name of component: chloride channel 4
[NPU31616](#)
DNA(spec.)—CLCN4 gene; seq.var. = ?

DNA(specification)—
CLCN5 gene;
sequence variation
name of component: chloride channel 5 (nephrolithiasis 2, X-linked, Dent disease)
[NPU31617](#)
DNA(spec.)—CLCN5 gene; seq.var. = ?

DNA(specification)—
CLCN6 gene;
sequence variation
name of component: chloride channel 6
[NPU31618](#)
DNA(spec.)—CLCN6 gene; seq.var. = ?

DNA(specification)—
CLCN7 gene;
sequence variation
name of component: chloride channel 7
[NPU31619](#)
DNA(spec.)—CLCN7 gene; seq.var. = ?

DNA(specification)—
CLCNKA gene;
sequence variation
name of component: chloride channel Ka
[NPU31620](#)
DNA(spec.)—CLCNKA gene; seq.var. = ?

DNA(specification)—
CLCNKB gene;
sequence variation
name of component: chloride channel Kb
[NPU31621](#)
DNA(spec.)—CLCNKB gene; seq.var. = ?

DNA(specification)—
CLCP1 gene;
sequence variation
name of component: Charot-Leyden crystal protein pseudogene 1
[NPU46941](#)
DNA(spec.)—CLCP1 gene; seq.var. = ?

DNA(specification)—
CLCS gene;
sequence variation
name of component: colchicin sensitivity
[NPU31622](#)
DNA(spec.)—CLCS gene; seq.var. = ?

DNA(specification)—
CLD gene;
sequence variation
name of component: congenital chloride diarrhea
[NPU31623](#)
DNA(spec.)—CLD gene; seq.var. = ?

DNA(specification)—
CLDN1 gene;
sequence variation
name of component: claudin 1
[NPU31624](#)
DNA(spec.)—CLDN1 gene; seq.var. = ?

DNA(specification)—
CLDN10 gene;
sequence variation
name of component: claudin 10
[NPU31625](#)
DNA(spec.)—CLDN10 gene; seq.var. = ?

DNA(specification)—
CLDN11 gene;
sequence variation
name of component: claudin 11 (oligodendrocyte transmembrane protein)
[NPU37925](#)
DNA(spec.)—CLDN11 gene; seq.var. = ?

DNA(specification)—
CLDN12 gene;
sequence variation
name of component: claudin 12
[NPU31626](#)
DNA(spec.)—CLDN12 gene; seq.var. = ?

DNA(specification)—
CLDN14 gene;
sequence variation
name of component: claudin 14
[NPU31627](#)
DNA(spec.)—CLDN14 gene; seq.var. = ?

DNA(specification)—
CLDN15 gene;
sequence variation
name of component: claudin 15
[NPU31628](#)
DNA(spec.)—CLDN15 gene; seq.var. = ?

DNA(specification)—
CLDN16 gene;
sequence variation
name of component: claudin 16
[NPU31629](#)
DNA(spec.)—CLDN16 gene; seq.var. = ?

DNA(specification)—
CLDN17 gene;
sequence variation
name of component: claudin 17
[NPU31630](#)
DNA(spec.)—CLDN17 gene; seq.var. = ?

DNA(specification)—
CLDN18 gene;
sequence variation
name of component: claudin 18
[NPU31631](#)
DNA(spec.)—CLDN18 gene; seq.var. = ?

DNA(specification)—
CLDN19 gene;
sequence variation
name of component: claudin 19
[NPU31632](#)
DNA(spec.)—CLDN19 gene; seq.var. = ?

DNA(specification)—
CLDN2 gene;
sequence variation
name of component: claudin 2
[NPU31633](#)
DNA(spec.)—CLDN2 gene; seq.var. = ?

DNA(specification)—
CLDN20 gene;
sequence variation
name of component: claudin 20
[NPU31634](#)
DNA(spec.)—CLDN20 gene; seq.var. = ?

DNA(specification)—
CLDN21 gene;
sequence variation
name of component: claudin 21
[NPU31635](#)
DNA(spec.)—CLDN21 gene; seq.var. = ?

DNA(specification)—
CLDN22 gene;
sequence variation
name of component: claudin 22
[NPU31636](#)
DNA(spec.)—CLDN22 gene; seq.var. = ?

DNA(specification)—
CLDN3 gene;
sequence variation
name of component: claudin 3
[NPU31637](#)
DNA(spec.)—CLDN3 gene; seq.var. = ?

DNA(specification)—
CLDN4 gene;
sequence variation
name of component: claudin 4
[NPU31638](#)
DNA(spec.)—CLDN4 gene; seq.var. = ?

DNA(specification)—
CLDN5 gene;
sequence variation
name of component: claudin 5 (transmembrane protein deleted in velocardiofacial syndrome)
[NPU31639](#)
DNA(spec.)—CLDN5 gene; seq.var. = ?

DNA(specification)—
CLDN6 gene;
sequence variation
name of component: claudin 6
[NPU31640](#)
DNA(spec.)—CLDN6 gene; seq.var. = ?

DNA(specification)—
CLDN7 gene;
sequence variation
name of component: claudin 7
[NPU31641](#)
DNA(spec.)—CLDN7 gene; seq.var. = ?

DNA(specification)—
CLDN8 gene;
sequence variation
name of component: claudin 8
[NPU31642](#)
DNA(spec.)—CLDN8 gene; seq.var. = ?

DNA(specification)—
CLDN9 gene;
sequence variation
name of component: claudin 9
[NPU31643](#)
DNA(spec.)—CLDN9 gene; seq.var. = ?

DNA(specification)—**CLECSF1 gene;****sequence variation**

name of component: C-type (calcium dependent, carbohydrate-recognition domain) lectin, super-family member 1 (cartilage-derived)

[NPU31644](#)

DNA(spec.)—CLECSF1 gene; seq.var. = ?

DNA(specification)—**CLECSF11 gene;****sequence variation**

name of component: C-type (calcium dependent, carbohydrate-recognition domain) lectin, super-family member 11

[NPU42860](#)

DNA(spec.)—CLECSF11 gene; seq.var. = ?

DNA(specification)—**CLECSF12 gene;****sequence variation**

name of component: C-type (calcium dependent, carbohydrate-recognition domain) lectin, super-family member 12

[NPU42861](#)

DNA(spec.)—CLECSF12 gene; seq.var. = ?

DNA(specification)—**CLECSF2 gene;****sequence variation**

name of component: C-type (calcium dependent, carbohydrate-recognition domain) lectin, super-family member 2 (activation-induced)

[NPU31645](#)

DNA(spec.)—CLECSF2 gene; seq.var. = ?

DNA(specification)—**CLECSF5 gene;****sequence variation**

name of component: C-type (calcium dependent, carbohydrate-recognition domain) lectin, super-family member 5

[NPU31646](#)

DNA(spec.)—CLECSF5 gene; seq.var. = ?

DNA(specification)—**CLECSF6 gene;****sequence variation**

name of component: C-type (calcium dependent, carbohydrate-recognition domain) lectin, super-family member 6

[NPU42069](#)

DNA(spec.)—CLECSF6 gene; seq.var. = ?

DNA(specification)—**CLECSF7 gene;****sequence variation**

name of component: C-type (calcium dependent, carbohydrate-recognition domain) lectin, super-family member 7

[NPU42070](#)

DNA(spec.)—CLECSF7 gene; seq.var. = ?

DNA(specification)—**CLECSF9 gene;****sequence variation**

name of component: C-type (calcium dependent, carbohydrate-recognition domain) lectin, super-family member 9

[NPU42859](#)

DNA(spec.)—CLECSF9 gene; seq.var. = ?

DNA(specification)—**CLGN gene;****sequence variation**

name of component: calmegin

[NPU31647](#)

DNA(spec.)—CLGN gene; seq.var. = ?

DNA(specification)—**CLIC1 gene;****sequence variation**

name of component: chloride intracellular channel 1

[NPU31648](#)

DNA(spec.)—CLIC1 gene; seq.var. = ?

DNA(specification)—**CLIC2 gene;****sequence variation**

name of component: chloride intracellular channel 2

[NPU31649](#)

DNA(spec.)—CLIC2 gene; seq.var. = ?

DNA(specification)—**CLIC3 gene;****sequence variation**

name of component: chloride intracellular channel 3

[NPU31650](#)

DNA(spec.)—CLIC3 gene; seq.var. = ?

DNA(specification)—**CLIC4 gene;****sequence variation**

name of component: chloride intracellular channel 4

[NPU42164](#)

DNA(spec.)—CLIC4 gene; seq.var. = ?

DNA(specification)—**CLIC5 gene;****sequence variation**

name of component: chloride intracellular channel 5

[NPU42163](#)

DNA(spec.)—CLIC5 gene; seq.var. = ?

DNA(specification)—**CLIC6 gene;****sequence variation**

name of component: chloride intracellular channel 6

[NPU31651](#)

DNA(spec.)—CLIC6 gene; seq.var. = ?

DNA(specification)—**CLK1 gene;****sequence variation**

name of component: CDC-like kinase 1

[NPU31653](#)

DNA(spec.)—CLK1 gene; seq.var. = ?

DNA(specification)—**CLK2 gene;****sequence variation**

name of component: CDC-like kinase 2

[NPU31654](#)

DNA(spec.)—CLK2 gene; seq.var. = ?

DNA(specification)—**CLK2P gene;****sequence variation**

name of component: CDC-like kinase 2, pseudogene

[NPU31655](#)

DNA(spec.)—CLK2P gene; seq.var. = ?

DNA(specification)—**CLK3 gene;****sequence variation**

name of component: CDC-like kinase 3

[NPU31656](#)

DNA(spec.)—CLK3 gene; seq.var. = ?

DNA(specification)—**CLK4 gene;****sequence variation**

name of component: CDC-like kinase 4

[NPU42257](#)

DNA(spec.)—CLK4 gene; seq.var. = ?

DNA(specification)—**CLM gene;****sequence variation**

name of component: cutis laxa with marfanoid phenotype

[NPU31657](#)

DNA(spec.)—CLM gene; seq.var. = ?

DNA(specification)—**CLMN gene;****sequence variation**

name of component: calmin (calponin-like, transmembrane)

[NPU47335](#)

DNA(spec.)—CLMN gene; seq.var. = ?

DNA(specification)—**CLN2 gene;****sequence variation**

name of component: ceroid-lipofuscinosis, neuronal 2, late infantile (Jansky-Bielschowsky disease)

[NPU19042](#)

DNA(spec.)—CLN2 gene; seq.var. = ?

DNA(specification)—**CLN3 gene;****sequence variation**

name of component: ceroid-lipofuscinosis, neuronal 3, juvenile (Batten, Spielmeyer-Vogt disease)

[NPU19043](#)

DNA(spec.)—CLN3 gene; seq.var. = ?

DNA(specification)—**CLN4 gene;****sequence variation**

name of component: ceroid-lipofuscinosis, neuronal 4 (Kufs disease)

[NPU31658](#)

DNA(spec.)—CLN4 gene; seq.var. = ?

DNA(specification)—**CLN5 gene;****sequence variation**

name of component: ceroid-lipofuscinosis, neuronal 5

[NPU31659](#)

DNA(spec.)—CLN5 gene; seq.var. = ?

DNA(specification)—**CLN6 gene;****sequence variation**

name of component: ceroid-lipofuscinosis, neuronal 6, late infantile, variant

[NPU31660](#)

DNA(spec.)—CLN6 gene; seq.var. = ?

DNA(specification)—**CLN7 gene;****sequence variation**

name of component: ceroid-lipofuscinosis, neuronal 7, late infantile, variant

[NPU31661](#)

DNA(spec.)—CLN7 gene; seq.var. = ?

DNA(specification)—**CLN8 gene;****sequence variation**

name of component: ceroid-lipofuscinosis, neuronal 8 (epilepsy, progressive with mental retardation)

[NPU31662](#)

DNA(spec.)—CLN8 gene; seq.var. = ?

DNA(specification)—**CLNS1A gene;****sequence variation**

name of component: chloride channel, nucleotide-sensitive, 1A

[NPU31663](#)

DNA(spec.)—CLNS1A gene; seq.var. = ?

DNA(specification)—**CLNS1B gene;****sequence variation**

name of component: chloride channel, nucleotide-sensitive, 1B

[NPU31664](#)

DNA(spec.)—CLNS1B gene; seq.var. = ?

DNA(specification)—**CLOCK gene;****sequence variation**

name of component: clock homolog (mouse)

[NPU31665](#)

DNA(spec.)—CLOCK gene; seq.var. = ?

DNA(specification)—**CLPP gene;****sequence variation**

name of component: ClpP caseinolytic protease, ATP-dependent, proteolytic subunit homolog (E. coli)

[NPU31666](#)

DNA(spec.)—CLPP gene; seq.var. = ?

DNA(specification)—**CLPS gene;****sequence variation**

name of component: colipase, pancreatic

[NPU31667](#)

DNA(spec.)—CLPS gene; seq.var. = ?

DNA(specification)—**CLPSMCR gene;****sequence variation**

name of component: coactosin-like, Smith Magenis syndrome chromosome region

[NPU31668](#)

DNA(spec.)—CLPSMCR gene; seq.var. = ?

DNA(specification)—**CLPTM1 gene;****sequence variation**

name of component: cleft lip and palate associated transmembrane protein 1

[NPU31669](#)

DNA(spec.)—CLPTM1 gene; seq.var. = ?

DNA(specification)—**CLPX gene;****sequence variation**

name of component: ClpX caseinolytic protease X homolog (E. coli)

[NPU31670](#)

DNA(spec.)—CLPX gene; seq.var. = ?

DNA(specification)—**CLS gene;****sequence variation**

name of component: Coffin-Lowry syndrome

[NPU31671](#)

DNA(spec.)—CLS gene; seq.var. = ?

DNA(specification)—**CLSPN gene;****sequence variation**

name of component: claspin homolog (Xenopus laevis)

[NPU47164](#)

DNA(spec.)—CLSPN gene; seq.var. = ?

DNA(specification)—**CLSTN1 gene;****sequence variation**

name of component: calsyntenin 1

[NPU46025](#)

DNA(spec.)—CLSTN1 gene; seq.var. = ?

DNA(specification)—**CLSTN2 gene;****sequence variation**

name of component: calsyntenin 2

[NPU46026](#)

DNA(spec.)—CLSTN2 gene; seq.var. = ?

DNA(specification)—**CLSTN3 gene;****sequence variation**

name of component: calsyntenin 3

[NPU46431](#)

DNA(spec.)—CLSTN3 gene; seq.var. = ?

DNA(specification)—**CLTA gene;****sequence variation**

name of component: clathrin, light polypeptide (Lca)

[NPU31672](#)

DNA(spec.)—CLTA gene; seq.var. = ?

DNA(specification)—**CLTB gene;****sequence variation**

name of component: clathrin, light polypeptide (Lcb)

[NPU31673](#)

DNA(spec.)—CLTB gene; seq.var. = ?

DNA(specification)—**CLTC gene;****sequence variation**

name of component: clathrin, heavy polypeptide (Hc)

[NPU31674](#)

DNA(spec.)—CLTC gene; seq.var. = ?

DNA(specification)—**CLTCL1 gene;****sequence variation**

name of component: clathrin, heavy polypeptide-like 1

[NPU31675](#)

DNA(spec.)—CLTCL1 gene; seq.var. = ?

DNA(specification)—**CLU gene;****sequence variation**

name of component: clusterin (complement lysis inhibitor, SP-40,40, sulfated glycoprotein 2, testosterone-repressed prostate message 2, apolipoprotein J)

[NPU31676](#)

DNA(spec.)—CLU gene; seq.var. = ?

DNA(specification)—**CLUL1 gene;****sequence variation**

name of component: clusterin-like 1 (retinal)

[NPU31677](#)

DNA(spec.)—CLUL1 gene; seq.var. = ?

DNA(specification)—**CLYBL gene;****sequence variation**

name of component: citrate lyase beta like

[NPU46421](#)

DNA(spec.)—CLYBL gene; seq.var. = ?

DNA(specification)—**CMA1 gene;****sequence variation**

name of component: chymase 1, mast cell

[NPU31678](#)

DNA(spec.)—CMA1 gene; seq.var. = ?

DNA(specification)—**CMAH gene;****sequence variation**

name of component: cytidine monophosphate-N-acetylneuraminic acid hydroxylase (CMP-N-acetylneuraminate monooxygenase)

[NPU31679](#)

DNA(spec.)—CMAH gene; seq.var. = ?

DNA(specification)—**CMAR gene;****sequence variation**

name of component: cell matrix adhesion regulator

[NPU31680](#)

DNA(spec.)—CMAR gene; seq.var. = ?

DNA(specification)—**CMAS gene;****sequence variation**

name of component: cytidine monophosphate N-acetylneuraminic acid synthetase

[NPU46383](#)

DNA(spec.)—CMAS gene; seq.var. = ?

DNA(specification)—**CMD1A gene;****sequence variation**

name of component: cardiomyopathy, dilated 1A (autosomal dominant)

[NPU31681](#)

DNA(spec.)—CMD1A gene; seq.var. = ?

DNA(specification)—**CMD1B gene;****sequence variation**

name of component: cardiomyopathy, dilated 1B (autosomal dominant)

[NPU31682](#)

DNA(spec.)—CMD1B gene; seq.var. = ?

DNA(specification)—**CMD1C gene;****sequence variation**

name of component: cardiomyopathy, dilated 1C (autosomal dominant)

[NPU31683](#)

DNA(spec.)—CMD1C gene; seq.var. = ?

DNA(specification)—**CMD1D gene;****sequence variation**

name of component: cardiomyopathy, dilated 1D (autosomal dominant)

[NPU31684](#)

DNA(spec.)—CMD1D gene; seq.var. = ?

DNA(specification)—**CMD1E gene;****sequence variation**

name of component: cardiomyopathy, dilated 1E (autosomal dominant)

[NPU31685](#)

DNA(spec.)—CMD1E gene; seq.var. = ?

DNA(specification)—**CMD1F gene;****sequence variation**

name of component: cardiomyopathy, dilated 1F (autosomal dominant)

[NPU31686](#)

DNA(spec.)—CMD1F gene; seq.var. = ?

DNA(specification)—**CMD1G gene;****sequence variation**

name of component: cardiomyopathy, dilated 1G (autosomal dominant)

[NPU31687](#)

DNA(spec.)—CMD1G gene; seq.var. = ?

DNA(specification)—**CMD1H gene;****sequence variation**

name of component: cardiomyopathy, dilated 1H (autosomal dominant)

[NPU31688](#)

DNA(spec.)—CMD1H gene; seq.var. = ?

DNA(specification)—**CMD1J gene;****sequence variation**

name of component: cardiomyopathy, dilated 1J (autosomal dominant)

[NPU31689](#)

DNA(spec.)—CMD1J gene; seq.var. = ?

DNA(specification)—**CMD1K gene;****sequence variation**

name of component: cardiomyopathy, dilated 1K (autosomal dominant)

[NPU42848](#)

DNA(spec.)—CMD1K gene; seq.var. = ?

DNA(specification)—**CMD2A gene;****sequence variation**

name of component: cardiomyopathy, dilated 2A (autosomal recessive)

[NPU31690](#)

DNA(spec.)—CMD2A gene; seq.var. = ?

DNA(specification)—**CMDJ gene;****sequence variation**

name of component: craniometaphyseal dysplasia, Jackson type (dominant)

[NPU31691](#)

DNA(spec.)—CMDJ gene; seq.var. = ?

DNA(specification)—**CMH2 gene;****sequence variation**

name of component: cardiomyopathy, hypertrophic 2

[NPU31692](#)

DNA(spec.)—CMH2 gene; seq.var. = ?

DNA(specification)—**CMH3 gene;****sequence variation**

name of component: cardiomyopathy, hypertrophic 3

[NPU31693](#)

DNA(spec.)—CMH3 gene; seq.var. = ?

DNA(specification)—**CMKLR1 gene;****sequence variation**

name of component: chemokine-like receptor 1

[NPU31694](#)

DNA(spec.)—CMKLR1 gene; seq.var. = ?

DNA(specification)—**CMM gene;****sequence variation**

name of component: cutaneous malignant melanoma/dysplastic nevus

[NPU31695](#)

DNA(spec.)—CMM gene; seq.var. = ?

DNA(specification)—**CMR1A gene;****sequence variation**

name of component: cardiomyopathy, restrictive 1A (autosomal dominant)

[NPU31696](#)

DNA(spec.)—CMR1A gene; seq.var. = ?

DNA(specification)—**CMR2A gene;****sequence variation**

name of component: cardiomyopathy, restrictive 2A (autosomal recessive)

[NPU31697](#)

DNA(spec.)—CMR2A gene; seq.var. = ?

DNA(specification)—**CMR3A gene;****sequence variation**

name of component: cardiomyopathy, restrictive 3A (X-linked)

[NPU31698](#)

DNA(spec.)—CMR3A gene; seq.var. = ?

DNA(specification)—**CMT1A gene;****sequence variation**

name of component: Charcot-Marie-Tooth neuropathy 1A (greatly reduced nerve conduction velocity, hereditary motor sensory neuropathy Ia)

[NPU31699](#)

DNA(spec.)—CMT1A gene; seq.var. = ?

DNA(specification)—**CMT2B gene;****sequence variation**

name of component: Charcot-Marie-Tooth neuropathy 2B

[NPU31700](#)

DNA(spec.)—CMT2B gene; seq.var. = ?

DNA(specification)—**CMT2D gene;****sequence variation**

name of component: Charcot-Marie-Tooth neuropathy 2D

[NPU42946](#)

DNA(spec.)—CMT2D gene; seq.var. = ?

DNA(specification)—**CMT4A gene;****sequence variation**

name of component: Charcot-Marie-Tooth neuropathy 4A

[NPU31701](#)

DNA(spec.)—CMT4A gene; seq.var. = ?

DNA(specification)—**CMT4B2 gene;****sequence variation**

name of component: Charcot-Marie-Tooth neuropathy 4B2 (autosomal recessive, with myelin outfolding)

[NPU31702](#)

DNA(spec.)—CMT4B2 gene; seq.var. = ?

DNA(specification)—**CMTX2 gene;****sequence variation**

name of component: Charcot-Marie-Tooth neuropathy, X-linked 2 (recessive)

[NPU31703](#)

DNA(spec.)—CMTX2 gene; seq.var. = ?

DNA(specification)—**CMTX3 gene;****sequence variation**

name of component: Charcot-Marie-Tooth neuropathy, X-linked 3 (dominant)

[NPU31704](#)

DNA(spec.)—CMTX3 gene; seq.var. = ?

DNA(specification)—**CMYA1 gene;****sequence variation**

name of component: cardiomyopathy associated 1

[NPU42660](#)

DNA(spec.)—CMYA1 gene; seq.var. = ?

DNA(specification)—**CMYA2 gene;****sequence variation**

name of component: cardiomyopathy associated 2

[NPU42661](#)

DNA(spec.)—CMYA2 gene; seq.var. = ?

DNA(specification)—**CMYA3 gene;****sequence variation**

name of component: cardiomyopathy associated 3

[NPU42662](#)

DNA(spec.)—CMYA3 gene; seq.var. = ?

DNA(specification)—**CMYA4 gene;****sequence variation**

name of component: cardiomyopathy associated 4

[NPU42663](#)

DNA(spec.)—CMYA4 gene; seq.var. = ?

DNA(specification)—**CMYA5 gene;****sequence variation**

name of component: cardiomyopathy associated 5

[NPU42664](#)

DNA(spec.)—CMYA5 gene; seq.var. = ?

DNA(specification)—**CNA1 gene;****sequence variation**

name of component: cornea plana 1 (autosomal dominant)

[NPU31705](#)

DNA(spec.)—CNA1 gene; seq.var. = ?

DNA(specification)—**CNC gene;****sequence variation**

name of component: Carney complex, multiple neoplasia and lentiginosis

[NPU31706](#)

DNA(spec.)—CNC gene; seq.var. = ?

DNA(specification)—**CNGA1 gene;****sequence variation**

name of component: cyclic nucleotide gated channel alpha 1

[NPU31707](#)

DNA(spec.)—CNGA1 gene; seq.var. = ?

DNA(specification)—**CNGA2 gene;****sequence variation**

name of component: cyclic nucleotide gated channel alpha 2

[NPU31708](#)

DNA(spec.)—CNGA2 gene; seq.var. = ?

DNA(specification)—**CNGA3 gene;****sequence variation**

name of component: cyclic nucleotide gated channel alpha 3

[NPU31709](#)

DNA(spec.)—CNGA3 gene; seq.var. = ?

DNA(specification)—**CNGA4 gene;****sequence variation**

name of component: cyclic nucleotide gated channel alpha 4

[NPU31711](#)

DNA(spec.)—CNGA4 gene; seq.var. = ?

DNA(specification)—**CNGB1 gene;****sequence variation**

name of component: cyclic nucleotide gated channel beta 1

[NPU31710](#)

DNA(spec.)—CNGB1 gene; seq.var. = ?

DNA(specification)—**CNGB3 gene;****sequence variation**

name of component: cyclic nucleotide gated channel beta 3

[NPU31712](#)

DNA(spec.)—CNGB3 gene; seq.var. = ?

DNA(specification)—**CNIH gene;****sequence variation**

name of component: cornichon homolog (Drosophila)

[NPU47036](#)

DNA(spec.)—CNIH gene; seq.var. = ?

DNA(specification)—**CNK gene;****sequence variation**

name of component: cytokine-inducible kinase

[NPU31713](#)

DNA(spec.)—CNK gene; seq.var. = ?

DNA(specification)—**CNN1 gene;****sequence variation**

name of component: calponin 1, basic, smooth muscle

[NPU31714](#)

DNA(spec.)—CNN1 gene; seq.var. = ?

DNA(specification)—**CNN2 gene;****sequence variation**

name of component: calponin 2

[NPU31715](#)

DNA(spec.)—CNN2 gene; seq.var. = ?

DNA(specification)—**CNN3 gene;****sequence variation**

name of component: calponin 3, acidic

[NPU31716](#)

DNA(spec.)—CNN3 gene; seq.var. = ?

DNA(specification)—**CNNM1 gene;****sequence variation**

name of component: cyclin M1

[NPU30076](#)

DNA(spec.)—CNNM1 gene; seq.var. = ?

DNA(specification)—**CNNM2 gene;****sequence variation**

name of component: cyclin M2

[NPU30077](#)

DNA(spec.)—CNNM2 gene; seq.var. = ?

DNA(specification)—**CNNM3 gene;****sequence variation**

name of component: cyclin M3

[NPU30078](#)

DNA(spec.)—CNNM3 gene; seq.var. = ?

DNA(specification)—**CNNM4 gene;****sequence variation**

name of component: cyclin M4

[NPU30079](#)

DNA(spec.)—CNNM4 gene; seq.var. = ?

DNA(specification)—
CNOT1 gene;
sequence variation
 name of component: CCR4-NOT transcription complex, subunit 1
[NPU37431](#)
 DNA(spec.)—CNOT1 gene; seq.var. = ?

DNA(specification)—
CNOT2 gene;
sequence variation
 name of component: CCR4-NOT transcription complex, subunit 2
[NPU37432](#)
 DNA(spec.)—CNOT2 gene; seq.var. = ?

DNA(specification)—
CNOT3 gene;
sequence variation
 name of component: CCR4-NOT transcription complex, subunit 3
[NPU37433](#)
 DNA(spec.)—CNOT3 gene; seq.var. = ?

DNA(specification)—
CNOT4 gene;
sequence variation
 name of component: CCR4-NOT transcription complex, subunit 4
[NPU37434](#)
 DNA(spec.)—CNOT4 gene; seq.var. = ?

DNA(specification)—
CNOT5 gene;
sequence variation
 name of component: CCR4-NOT transcription complex, subunit 5
[NPU42509](#)
 DNA(spec.)—CNOT5 gene; seq.var. = ?

DNA(specification)—
CNOT6 gene;
sequence variation
 name of component: CCR4-NOT transcription complex, subunit 6
[NPU42508](#)
 DNA(spec.)—CNOT6 gene; seq.var. = ?

DNA(specification)—
CNOT6L gene;
sequence variation
 name of component: CCR4-NOT transcription complex, subunit 6-like
[NPU46245](#)
 DNA(spec.)—CNOT6L gene; seq.var. = ?

DNA(specification)—
CNOT7 gene;
sequence variation
 name of component: CCR4-NOT transcription complex, subunit 7
[NPU42510](#)
 DNA(spec.)—CNOT7 gene; seq.var. = ?

DNA(specification)—
CNOT8 gene;
sequence variation
 name of component: CCR4-NOT transcription complex, subunit 8
[NPU38526](#)
 DNA(spec.)—CNOT8 gene; seq.var. = ?

DNA(specification)—
CNP gene;
sequence variation
 name of component: 2',3'-cyclic nucleotide 3' phosphodiesterase
[NPU31717](#)
 DNA(spec.)—CNP gene; seq.var. = ?

DNA(specification)—
CNR1 gene;
sequence variation
 name of component: cannabinoid receptor 1 (brain)
[NPU31718](#)
 DNA(spec.)—CNR1 gene; seq.var. = ?

DNA(specification)—
CNR2 gene;
sequence variation
 name of component: cannabinoid receptor 2 (macrophage)
[NPU31719](#)
 DNA(spec.)—CNR2 gene; seq.var. = ?

DNA(specification)—
CNTF gene;
sequence variation
 name of component: ciliary neurotrophic factor
[NPU31721](#)
 DNA(spec.)—CNTF gene; seq.var. = ?

DNA(specification)—
CNTFR gene;
sequence variation
 name of component: ciliary neurotrophic factor receptor
[NPU31722](#)
 DNA(spec.)—CNTFR gene; seq.var. = ?

DNA(specification)—
CNTN1 gene;
sequence variation
 name of component: contactin 1
[NPU31723](#)
 DNA(spec.)—CNTN1 gene; seq.var. = ?

DNA(specification)—**CNTN2 gene;****sequence variation**

name of component: contactin 2 (axonal)

[NPU31724](#)

DNA(spec.)—CNTN2 gene; seq.var. = ?

DNA(specification)—**CNTN3 gene;****sequence variation**

name of component: contactin 3 (plasmacytoma associated)

[NPU31725](#)

DNA(spec.)—CNTN3 gene; seq.var. = ?

DNA(specification)—**CNTN4 gene;****sequence variation**

name of component: contactin 4

[NPU31726](#)

DNA(spec.)—CNTN4 gene; seq.var. = ?

DNA(specification)—**CNTN5 gene;****sequence variation**

name of component: contactin 5

[NPU31727](#)

DNA(spec.)—CNTN5 gene; seq.var. = ?

DNA(specification)—**CNTN6 gene;****sequence variation**

name of component: contactin 6

[NPU31728](#)

DNA(spec.)—CNTN6 gene; seq.var. = ?

DNA(specification)—**CNTNAP1 gene;****sequence variation**

name of component: contactin associated protein 1

[NPU37542](#)

DNA(spec.)—CNTNAP1 gene; seq.var. = ?

DNA(specification)—**CNTNAP2 gene;****sequence variation**

name of component: contactin associated protein-like 2

[NPU42350](#)

DNA(spec.)—CNTNAP2 gene; seq.var. = ?

DNA(specification)—**COCH gene;****sequence variation**name of component: coagulation factor C homolog, cochlin (*Limulus polyphemus*)[NPU31729](#)

DNA(spec.)—COCH gene; seq.var. = ?

DNA(specification)—**COD1 gene;****sequence variation**

name of component: cone dystrophy 1 (X-linked)

[NPU31730](#)

DNA(spec.)—COD1 gene; seq.var. = ?

DNA(specification)—**COD2 gene;****sequence variation**

name of component: cone dystrophy 2 (X-linked)

[NPU31731](#)

DNA(spec.)—COD2 gene; seq.var. = ?

DNA(specification)—**COG1 gene;****sequence variation**

name of component: component of oligomeric golgi complex 1

[NPU36391](#)

DNA(spec.)—COG1 gene; seq.var. = ?

DNA(specification)—**COG2 gene;****sequence variation**

name of component: component of oligomeric golgi complex 2

[NPU36392](#)

DNA(spec.)—COG2 gene; seq.var. = ?

DNA(specification)—**COG3 gene;****sequence variation**

name of component: component of oligomeric golgi complex 3

[NPU46574](#)

DNA(spec.)—COG3 gene; seq.var. = ?

DNA(specification)—**COG4 gene;****sequence variation**

name of component: component of oligomeric golgi complex 4

[NPU46575](#)

DNA(spec.)—COG4 gene; seq.var. = ?

DNA(specification)—**COG5 gene;****sequence variation**

name of component: component of oligomeric golgi complex 5

[NPU43117](#)

DNA(spec.)—COG5 gene; seq.var. = ?

DNA(specification)—
COG6 gene;
sequence variation
name of component: component of oligomeric
golgi complex 6
[NPU46576](#)
DNA(spec.)—COG6 gene; seq.var. = ?

DNA(specification)—
COG7 gene;
sequence variation
name of component: component of oligomeric
golgi complex 7
[NPU46577](#)
DNA(spec.)—COG7 gene; seq.var. = ?

DNA(specification)—
COG8 gene;
sequence variation
name of component: component of oligomeric
golgi complex 8
[NPU46578](#)
DNA(spec.)—COG8 gene; seq.var. = ?

DNA(specification)—
COH1 gene;
sequence variation
name of component: Cohen syndrome 1
[NPU31732](#)
DNA(spec.)—COH1 gene; seq.var. = ?

DNA(specification)—
COIL gene;
sequence variation
name of component: coilin
[NPU31733](#)
DNA(spec.)—COIL gene; seq.var. = ?

DNA(specification)—
COILP gene;
sequence variation
name of component: coilin pseudogene
[NPU47318](#)
DNA(spec.)—COILP gene; seq.var. = ?

DNA(specification)—
COL10A1 gene;
sequence variation
name of component: collagen, type X, alpha
1(Schmid metaphyseal chondrodysplasia)
[NPU31734](#)
DNA(spec.)—COL10A1 gene; seq.var. = ?

DNA(specification)—
COL11A1 gene;
sequence variation
name of component: collagen, type XI, alpha 1
[NPU31735](#)
DNA(spec.)—COL11A1 gene; seq.var. = ?

DNA(specification)—
COL11A2 gene;
sequence variation
name of component: collagen, type XI, alpha 2
[NPU31736](#)
DNA(spec.)—COL11A2 gene; seq.var. = ?

DNA(specification)—
COL12A1 gene;
sequence variation
name of component: collagen, type XII, alpha 1
[NPU31737](#)
DNA(spec.)—COL12A1 gene; seq.var. = ?

DNA(specification)—
COL12A1L gene;
sequence variation
name of component: collagen, type XII, alpha 1-
like
[NPU31738](#)
DNA(spec.)—COL12A1L gene; seq.var. = ?

DNA(specification)—
COL13A1 gene;
sequence variation
name of component: collagen, type XIII, alpha 1
[NPU31739](#)
DNA(spec.)—COL13A1 gene; seq.var. = ?

DNA(specification)—
COL14A1 gene;
sequence variation
name of component: collagen, type XIV, alpha 1
(undulin)
[NPU31740](#)
DNA(spec.)—COL14A1 gene; seq.var. = ?

DNA(specification)—
COL15A1 gene;
sequence variation
name of component: collagen, type XV, alpha 1
[NPU31741](#)
DNA(spec.)—COL15A1 gene; seq.var. = ?

DNA(specification)—
COL16A1 gene;
sequence variation
name of component: collagen, type XVI, alpha 1
[NPU31742](#)
DNA(spec.)—COL16A1 gene; seq.var. = ?

DNA(specification)—
COL17A1 gene;
sequence variation
name of component: collagen, type XVII, alpha 1
[NPU31743](#)
DNA(spec.)—COL17A1 gene; seq.var. = ?

DNA(specification)—
COL18A1 gene;
sequence variation
 name of component: collagen, type XVIII, alpha 1
[NPU31744](#)
 DNA(spec.)—COL18A1 gene; seq.var. = ?

DNA(specification)—
COL19A1 gene;
sequence variation
 name of component: collagen, type XIX, alpha 1
[NPU31745](#)
 DNA(spec.)—COL19A1 gene; seq.var. = ?

DNA(specification)—
COL1A1 gene;
sequence variation
 name of component: collagen, type I, alpha 1
[NPU19044](#)
 DNA(spec.)—COL1A1 gene; seq.var. = ?

DNA(specification)—
COL1A2 gene;
sequence variation
 name of component: collagen, type I, alpha 2
[NPU19045](#)
 DNA(spec.)—COL1A2 gene; seq.var. = ?

DNA(specification)—
COL1A2 gene;
sequence variation
 name of component: collagen, type I, alpha, receptor
[NPU31746](#)
 DNA(spec.)—COL1A2 gene; seq.var. = ?

DNA(specification)—
COL21A1 gene;
sequence variation
 name of component: collagen, type XXI, alpha 1
[NPU44819](#)
 DNA(spec.)—COL21A1 gene; seq.var. = ?

DNA(specification)—
COL24A1 gene;
sequence variation
 name of component: collagen, type XXIV, alpha 1
[NPU47775](#)
 DNA(spec.)—COL24A1 gene; seq.var. = ?

DNA(specification)—
COL25A1 gene;
sequence variation
 name of component: collagen, type XXV, alpha 1
[NPU46571](#)
 DNA(spec.)—COL25A1 gene; seq.var. = ?

DNA(specification)—
COL26A1 gene;
sequence variation
 name of component: collagen, type XXVI, alpha 1
[NPU46244](#)
 DNA(spec.)—COL26A1 gene; seq.var. = ?

DNA(specification)—
COL2A1 gene;
sequence variation
 name of component: collagen, type II, alpha 1
 (primary osteoarthritis, spondyloepiphyseal dysplasia, congenital)
[NPU19046](#)
 DNA(spec.)—COL2A1 gene; seq.var. = ?

DNA(specification)—
COL3A1 gene;
sequence variation
 name of component: collagen, type III, alpha 1
 (Ehlers-Danlos syndrome type IV, autosomal dominant)
[NPU31747](#)
 DNA(spec.)—COL3A1 gene; seq.var. = ?

DNA(specification)—
COL4A1 gene;
sequence variation
 name of component: collagen, type IV, alpha 1
[NPU31748](#)
 DNA(spec.)—COL4A1 gene; seq.var. = ?

DNA(specification)—
COL4A2 gene;
sequence variation
 name of component: collagen, type IV, alpha 2
[NPU31749](#)
 DNA(spec.)—COL4A2 gene; seq.var. = ?

DNA(specification)—
COL4A3 gene;
sequence variation
 name of component: collagen, type IV, alpha 3
 (Goodpasture antigen)
[NPU31750](#)
 DNA(spec.)—COL4A3 gene; seq.var. = ?

DNA(specification)—
COL4A3BP gene;
sequence variation
 name of component: collagen, type IV, alpha 3
 (Goodpasture antigen) binding protein
[NPU31751](#)
 DNA(spec.)—COL4A3BP gene; seq.var. = ?

DNA(specification)—
COL4A4 gene;
sequence variation
name of component: collagen, type IV, alpha 4
[NPU31752](#)
DNA(spec.)—COL4A4 gene; seq.var. = ?

DNA(specification)—
COL4A5 gene;
sequence variation
name of component: collagen, type IV, alpha 5
(Alport syndrome)
[NPU19047](#)
DNA(spec.)—COL4A5 gene; seq.var. = ?

DNA(specification)—
COL4A6 gene;
sequence variation
name of component: collagen, type IV, alpha 6
[NPU31753](#)
DNA(spec.)—COL4A6 gene; seq.var. = ?

DNA(specification)—
COL5A1 gene;
sequence variation
name of component: collagen, type V, alpha 1
[NPU19048](#)
DNA(spec.)—COL5A1 gene; seq.var. = ?

DNA(specification)—
COL5A2 gene;
sequence variation
name of component: collagen, type V, alpha 2
[NPU19049](#)
DNA(spec.)—COL5A2 gene; seq.var. = ?

DNA(specification)—
COL5A3 gene;
sequence variation
name of component: collagen, type V, alpha 3
[NPU43121](#)
DNA(spec.)—COL5A3 gene; seq.var. = ?

DNA(specification)—
COL6A1 gene;
sequence variation
name of component: collagen, type VI, alpha 1
[NPU31754](#)
DNA(spec.)—COL6A1 gene; seq.var. = ?

DNA(specification)—
COL6A2 gene;
sequence variation
name of component: collagen, type VI, alpha 2
[NPU31755](#)
DNA(spec.)—COL6A2 gene; seq.var. = ?

DNA(specification)—
COL6A3 gene;
sequence variation
name of component: collagen, type VI, alpha 3
[NPU31756](#)
DNA(spec.)—COL6A3 gene; seq.var. = ?

DNA(specification)—
COL7A1 gene;
sequence variation
name of component: collagen, type VII, alpha 1
(epidermolysis bullosa, dystrophic, dominant and recessive)
[NPU31757](#)
DNA(spec.)—COL7A1 gene; seq.var. = ?

DNA(specification)—
COL8A1 gene;
sequence variation
name of component: collagen, type VIII, alpha 1
[NPU31758](#)
DNA(spec.)—COL8A1 gene; seq.var. = ?

DNA(specification)—
COL8A2 gene;
sequence variation
name of component: collagen, type VIII, alpha 2
[NPU31759](#)
DNA(spec.)—COL8A2 gene; seq.var. = ?

DNA(specification)—
COL9A1 gene;
sequence variation
name of component: collagen, type IX, alpha 1
[NPU31760](#)
DNA(spec.)—COL9A1 gene; seq.var. = ?

DNA(specification)—
COL9A2 gene;
sequence variation
name of component: collagen, type IX, alpha 2
[NPU31761](#)
DNA(spec.)—COL9A2 gene; seq.var. = ?

DNA(specification)—
COL9A3 gene;
sequence variation
name of component: collagen, type IX, alpha 3
[NPU31762](#)
DNA(spec.)—COL9A3 gene; seq.var. = ?

DNA(specification)—
COLEC10 gene;
sequence variation
name of component: collectin sub-family member
10 (C-type lectin)
[NPU31763](#)
DNA(spec.)—COLEC10 gene; seq.var. = ?

DNA(specification)—
COLEC11 gene;
sequence variation
name of component: collectin sub-family member 11
[NPU44921](#)
DNA(spec.)—COLEC11 gene; seq.var. = ?

DNA(specification)—
COLEC12 gene;
sequence variation
name of component: collectin sub-family member 12
[NPU44084](#)
DNA(spec.)—COLEC12 gene; seq.var. = ?

DNA(specification)—
COLEC2 gene;
sequence variation
name of component: collectin sub-family member 2
[NPU31764](#)
DNA(spec.)—COLEC2 gene; seq.var. = ?

DNA(specification)—
COLEC8 gene;
sequence variation
name of component: collectin sub-family member 8 (conglutinin)
[NPU31765](#)
DNA(spec.)—COLEC8 gene; seq.var. = ?

DNA(specification)—
COLEC9 gene;
sequence variation
name of component: collectin sub-family member 9 (collectin 43)
[NPU31766](#)
DNA(spec.)—COLEC9 gene; seq.var. = ?

DNA(specification)—
COLOT1 gene;
sequence variation
name of component: collagen (type VI, alpha 1), overlapping transcript 1
[NPU31767](#)
DNA(spec.)—COLOT1 gene; seq.var. = ?

DNA(specification)—
COLQ gene;
sequence variation
name of component: collagen-like tail subunit (single strand of homotrimer) of asymmetric acetylcholinesterase
[NPU31768](#)
DNA(spec.)—COLQ gene; seq.var. = ?

DNA(specification)—
COMP gene;
sequence variation
name of component: cartilage oligomeric matrix protein (pseudoachondroplasia, epiphyseal dysplasia 1, multiple)
[NPU31769](#)
DNA(spec.)—COMP gene; seq.var. = ?

DNA(specification)—
COMT gene;
sequence variation
name of component: catechol-O-methyltransferase
[NPU31770](#)
DNA(spec.)—COMT gene; seq.var. = ?

DNA(specification)—
COP gene;
sequence variation
name of component: clathrin-ordered protein
[NPU31771](#)
DNA(spec.)—COP gene; seq.var. = ?

DNA(specification)—
COPA gene;
sequence variation
name of component: coatomer protein complex, subunit alpha
[NPU31772](#)
DNA(spec.)—COPA gene; seq.var. = ?

DNA(specification)—
COPB gene;
sequence variation
name of component: coatomer protein complex, subunit beta
[NPU31773](#)
DNA(spec.)—COPB gene; seq.var. = ?

DNA(specification)—
COPB2 gene;
sequence variation
name of component: coatomer protein complex, subunit beta 2 (beta prime)
[NPU31774](#)
DNA(spec.)—COPB2 gene; seq.var. = ?

DNA(specification)—
COPE gene;
sequence variation
name of component: coatomer protein complex, subunit epsilon
[NPU31775](#)
DNA(spec.)—COPE gene; seq.var. = ?

DNA(specification)—
COPEB gene;
sequence variation
name of component: core promoter element binding protein
[NPU31776](#)
DNA(spec.)—COPEB gene; seq.var. = ?

DNA(specification)—
COPG gene;
sequence variation
name of component: coatomer protein complex, subunit gamma
[NPU31777](#)
DNA(spec.)—COPG gene; seq.var. = ?

DNA(specification)—
COPG2 gene;
sequence variation
name of component: coatomer protein complex, subunit gamma 2
[NPU31778](#)
DNA(spec.)—COPG2 gene; seq.var. = ?

DNA(specification)—
COPG2IT1 gene;
sequence variation
name of component: coatomer protein complex, subunit gamma 2, intronic transcript 1
[NPU31779](#)
DNA(spec.)—COPG2IT1 gene; seq.var. = ?

DNA(specification)—
COPS3 gene;
sequence variation
name of component: COP9 constitutive photomorphogenic homolog subunit 3 (Arabidopsis)
[NPU31780](#)
DNA(spec.)—COPS3 gene; seq.var. = ?

DNA(specification)—
COPS4 gene;
sequence variation
name of component: COP9 constitutive photomorphogenic homolog subunit 4 (Arabidopsis)
[NPU44644](#)
DNA(spec.)—COPS4 gene; seq.var. = ?

DNA(specification)—
COPS5 gene;
sequence variation
name of component: COP9 constitutive photomorphogenic homolog subunit 5 (Arabidopsis)
[NPU31781](#)
DNA(spec.)—COPS5 gene; seq.var. = ?

DNA(specification)—
COPS7A gene;
sequence variation
name of component: COP9 constitutive photomorphogenic homolog subunit 7A (Arabidopsis)
[NPU44672](#)
DNA(spec.)—COPS7A gene; seq.var. = ?

DNA(specification)—
COPS7B gene;
sequence variation
name of component: COP9 constitutive photomorphogenic homolog subunit 7B (Arabidopsis)
[NPU44673](#)
DNA(spec.)—COPS7B gene; seq.var. = ?

DNA(specification)—
COPZ gene;
sequence variation
name of component: coatomer protein complex, subunit zeta
[NPU31782](#)
DNA(spec.)—COPZ gene; seq.var. = ?

DNA(specification)—
COPZ2 gene;
sequence variation
name of component: coatomer protein complex, subunit zeta 2
[NPU46993](#)
DNA(spec.)—COPZ2 gene; seq.var. = ?

DNA(specification)—
COQ3 gene;
sequence variation
name of component: coenzyme Q3 homolog, methyltransferase (yeast)
[NPU46339](#)
DNA(spec.)—COQ3 gene; seq.var. = ?

DNA(specification)—
COQ4 gene;
sequence variation
name of component: coenzyme Q4 homolog (yeast)
[NPU47155](#)
DNA(spec.)—COQ4 gene; seq.var. = ?

DNA(specification)—
COQ6 gene;
sequence variation
name of component: coenzyme Q6 homolog (yeast)
[NPU47506](#)
DNA(spec.)—COQ6 gene; seq.var. = ?

DNA(specification)—
COQ7 gene;
sequence variation
name of component: coenzyme Q7 homolog, ubiquinone (yeast)
[NPU31783](#)
DNA(spec.)—COQ7 gene; seq.var. = ?

DNA(specification)—
CORD1 gene;
sequence variation
name of component: cone rod dystrophy 1 (autosomal dominant)
[NPU31784](#)
DNA(spec.)—CORD1 gene; seq.var. = ?

DNA(specification)—
CORD4 gene;
sequence variation
name of component: cone rod dystrophy 4
[NPU31785](#)
DNA(spec.)—CORD4 gene; seq.var. = ?

DNA(specification)—
CORD5 gene;
sequence variation
name of component: cone rod dystrophy 5
[NPU31786](#)
DNA(spec.)—CORD5 gene; seq.var. = ?

DNA(specification)—
CORD7 gene;
sequence variation
name of component: cone rod dystrophy 7
[NPU31787](#)
DNA(spec.)—CORD7 gene; seq.var. = ?

DNA(specification)—
CORD8 gene;
sequence variation
name of component: cone rod dystrophy 8
[NPU31788](#)
DNA(spec.)—CORD8 gene; seq.var. = ?

DNA(specification)—
CORD9 gene;
sequence variation
name of component: cone rod dystrophy 9
[NPU44047](#)
DNA(spec.)—CORD9 gene; seq.var. = ?

DNA(specification)—
CORO1A gene;
sequence variation
name of component: coronin, actin binding protein, 1A
[NPU31789](#)
DNA(spec.)—CORO1A gene; seq.var. = ?

DNA(specification)—
CORO1B gene;
sequence variation
name of component: coronin, actin binding protein, 1B
[NPU31790](#)
DNA(spec.)—CORO1B gene; seq.var. = ?

DNA(specification)—
CORO1C gene;
sequence variation
name of component: coronin, actin binding protein, 1C
[NPU31791](#)
DNA(spec.)—CORO1C gene; seq.var. = ?

DNA(specification)—
CORO2A gene;
sequence variation
name of component: coronin, actin binding protein, 2A
[NPU31792](#)
DNA(spec.)—CORO2A gene; seq.var. = ?

DNA(specification)—
CORO2B gene;
sequence variation
name of component: coronin, actin binding protein, 2B
[NPU31793](#)
DNA(spec.)—CORO2B gene; seq.var. = ?

DNA(specification)—
CORT gene;
sequence variation
name of component: cortistatin
[NPU31794](#)
DNA(spec.)—CORT gene; seq.var. = ?

DNA(specification)—
CORTBP2 gene;
sequence variation
name of component: cortactin binding protein 2
[NPU43819](#)
DNA(spec.)—CORTBP2 gene; seq.var. = ?

DNA(specification)—
COTL1 gene;
sequence variation
name of component: coactosin-like 1 (Dictyostelium)
[NPU46390](#)
DNA(spec.)—COTL1 gene; seq.var. = ?

DNA(specification)—**COVA1 gene;****sequence variation**

name of component: cytosolic ovarian carcinoma antigen 1

[NPU31795](#)

DNA(spec.)—COVA1 gene; seq.var. = ?

DNA(specification)—**COX10 gene;****sequence variation**

name of component: COX10 homolog, cytochrome c oxidase assembly protein, heme A: farnesyltransferase (yeast)

[NPU31796](#)

DNA(spec.)—COX10 gene; seq.var. = ?

DNA(specification)—**COX11 gene;****sequence variation**

name of component: COX11 homolog, cytochrome c oxidase assembly protein (yeast)

[NPU31797](#)

DNA(spec.)—COX11 gene; seq.var. = ?

DNA(specification)—**COX11P gene;****sequence variation**

name of component: COX11 homolog, cytochrome c oxidase assembly protein (yeast) pseudogene

[NPU31798](#)

DNA(spec.)—COX11P gene; seq.var. = ?

DNA(specification)—**COX15 gene;****sequence variation**

name of component: COX15 homolog, cytochrome c oxidase assembly protein (yeast)

[NPU31799](#)

DNA(spec.)—COX15 gene; seq.var. = ?

DNA(specification)—**COX17 gene;****sequence variation**

name of component: COX17 homolog, cytochrome c oxidase assembly protein (yeast)

[NPU31800](#)

DNA(spec.)—COX17 gene; seq.var. = ?

DNA(specification)—**COX41I gene;****sequence variation**

name of component: cytochrome c oxidase subunit IV isoform 1

[NPU31801](#)

DNA(spec.)—COX41I gene; seq.var. = ?

DNA(specification)—**COX41I1P1 gene;****sequence variation**

name of component: cytochrome c oxidase subunit IV isoform 1 pseudogene 1

[NPU31802](#)

DNA(spec.)—COX41I1P1 gene; seq.var. = ?

DNA(specification)—**COX4I2 gene;****sequence variation**

name of component: cytochrome c oxidase subunit IV isoform 2

[NPU44275](#)

DNA(spec.)—COX4I2 gene; seq.var. = ?

DNA(specification)—**COX5A gene;****sequence variation**

name of component: cytochrome c oxidase subunit Va

[NPU31803](#)

DNA(spec.)—COX5A gene; seq.var. = ?

DNA(specification)—**COX5AP1 gene;****sequence variation**

name of component: cytochrome c oxidase subunit Va pseudogene 1

[NPU31804](#)

DNA(spec.)—COX5AP1 gene; seq.var. = ?

DNA(specification)—**COX5AP2 gene;****sequence variation**

name of component: cytochrome c oxidase subunit Va pseudogene 2

[NPU47349](#)

DNA(spec.)—COX5AP2 gene; seq.var. = ?

DNA(specification)—**COX5B gene;****sequence variation**

name of component: cytochrome c oxidase subunit Vb

[NPU31805](#)

DNA(spec.)—COX5B gene; seq.var. = ?

DNA(specification)—**COX5BL1 gene;****sequence variation**

name of component: cytochrome c oxidase subunit Vb-like 1

[NPU31806](#)

DNA(spec.)—COX5BL1 gene; seq.var. = ?

DNA(specification)—**COX5BL2 gene;****sequence variation**

name of component: cytochrome c oxidase subunit Vb-like 2

[NPU31807](#)

DNA(spec.)—COX5BL2 gene; seq.var. = ?

DNA(specification)—**COX5BL3 gene;****sequence variation**

name of component: cytochrome c oxidase subunit Vb-like 3

[NPU31808](#)

DNA(spec.)—COX5BL3 gene; seq.var. = ?

DNA(specification)—**COX5BL4 gene;****sequence variation**

name of component: cytochrome c oxidase subunit Vb-like 4

[NPU31809](#)

DNA(spec.)—COX5BL4 gene; seq.var. = ?

DNA(specification)—**COX5BL5 gene;****sequence variation**

name of component: cytochrome c oxidase subunit Vb-like 5

[NPU31810](#)

DNA(spec.)—COX5BL5 gene; seq.var. = ?

DNA(specification)—**COX5BL6 gene;****sequence variation**

name of component: cytochrome c oxidase subunit Vb-like 6

[NPU31811](#)

DNA(spec.)—COX5BL6 gene; seq.var. = ?

DNA(specification)—**COX5BL7 gene;****sequence variation**

name of component: cytochrome c oxidase subunit Vb-like 7

[NPU31812](#)

DNA(spec.)—COX5BL7 gene; seq.var. = ?

DNA(specification)—**COX6A1 gene;****sequence variation**

name of component: cytochrome c oxidase subunit VIa polypeptide 1

[NPU31813](#)

DNA(spec.)—COX6A1 gene; seq.var. = ?

DNA(specification)—**COX6A1P gene;****sequence variation**

name of component: cytochrome c oxidase subunit VIa polypeptide 1 pseudogene

[NPU31814](#)

DNA(spec.)—COX6A1P gene; seq.var. = ?

DNA(specification)—**COX6A2 gene;****sequence variation**

name of component: cytochrome c oxidase subunit VIa polypeptide 2

[NPU31815](#)

DNA(spec.)—COX6A2 gene; seq.var. = ?

DNA(specification)—**COX6B gene;****sequence variation**

name of component: cytochrome c oxidase subunit VIb

[NPU31816](#)

DNA(spec.)—COX6B gene; seq.var. = ?

DNA(specification)—**COX6BP1 gene;****sequence variation**

name of component: cytochrome c oxidase subunit VIb pseudogene 1 (HCOX52)

[NPU31817](#)

DNA(spec.)—COX6BP1 gene; seq.var. = ?

DNA(specification)—**COX6BP2 gene;****sequence variation**

name of component: cytochrome c oxidase subunit VIb pseudogene 2

[NPU31818](#)

DNA(spec.)—COX6BP2 gene; seq.var. = ?

DNA(specification)—**COX6BP3 gene;****sequence variation**

name of component: cytochrome c oxidase subunit VIb pseudogene 3

[NPU31819](#)

DNA(spec.)—COX6BP3 gene; seq.var. = ?

DNA(specification)—**COX6BP4 gene;****sequence variation**

name of component: cytochrome c oxidase subunit VIb pseudogene 4

[NPU31820](#)

DNA(spec.)—COX6BP4 gene; seq.var. = ?

DNA(specification)—**COX6C gene;****sequence variation**

name of component: cytochrome c oxidase subunit VIc

[NPU31821](#)

DNA(spec.)—COX6C gene; seq.var. = ?

DNA(specification)—**COX6CP1 gene;****sequence variation**

name of component: cytochrome c oxidase subunit VIc pseudogene 1

[NPU31822](#)

DNA(spec.)—COX6CP1 gene; seq.var. = ?

DNA(specification)—**COX6CP2 gene;****sequence variation**

name of component: cytochrome c oxidase subunit VIc pseudogene 2

[NPU44580](#)

DNA(spec.)—COX6CP2 gene; seq.var. = ?

DNA(specification)—**COX7A1 gene;****sequence variation**

name of component: cytochrome c oxidase subunit VIIa polypeptide 1 (muscle)

[NPU31823](#)

DNA(spec.)—COX7A1 gene; seq.var. = ?

DNA(specification)—**COX7A2 gene;****sequence variation**

name of component: cytochrome c oxidase subunit VIIa polypeptide 2 (liver)

[NPU31824](#)

DNA(spec.)—COX7A2 gene; seq.var. = ?

DNA(specification)—**COX7A2L gene;****sequence variation**

name of component: cytochrome c oxidase subunit VIIa polypeptide 2 like

[NPU31825](#)

DNA(spec.)—COX7A2L gene; seq.var. = ?

DNA(specification)—**COX7A3 gene;****sequence variation**

name of component: cytochrome c oxidase subunit VIIa polypeptide 3 (liver)

[NPU31826](#)

DNA(spec.)—COX7A3 gene; seq.var. = ?

DNA(specification)—**COX7A3P gene;****sequence variation**

name of component: cytochrome c oxidase subunit VIIa polypeptide 3 pseudogene

[NPU47350](#)

DNA(spec.)—COX7A3P gene; seq.var. = ?

DNA(specification)—**COX7B gene;****sequence variation**

name of component: cytochrome c oxidase subunit VIIb

[NPU31827](#)

DNA(spec.)—COX7B gene; seq.var. = ?

DNA(specification)—**COX7BP1 gene;****sequence variation**

name of component: cytochrome c oxidase subunit VIIb pseudogene 1

[NPU44510](#)

DNA(spec.)—COX7BP1 gene; seq.var. = ?

DNA(specification)—**COX7BP2 gene;****sequence variation**

name of component: cytochrome c oxidase subunit VIIb pseudogene 2

[NPU44581](#)

DNA(spec.)—COX7BP2 gene; seq.var. = ?

DNA(specification)—**COX7C gene;****sequence variation**

name of component: cytochrome c oxidase subunit VIIc

[NPU31828](#)

DNA(spec.)—COX7C gene; seq.var. = ?

DNA(specification)—**COX7CP1 gene;****sequence variation**

name of component: cytochrome c oxidase subunit VIIc pseudogene 1

[NPU31829](#)

DNA(spec.)—COX7CP1 gene; seq.var. = ?

DNA(specification)—**COX8 gene;****sequence variation**

name of component: cytochrome c oxidase subunit VIII

[NPU31830](#)

DNA(spec.)—COX8 gene; seq.var. = ?

DNA(specification)—**CP gene;****sequence variation**

name of component: ceruloplasmin (ferroxidase)

[NPU31831](#)

DNA(spec.)—CP gene; seq.var. = ?

DNA(specification)—**CPA1 gene;****sequence variation**

name of component: carboxypeptidase A1 (pancreatic)

[NPU31832](#)

DNA(spec.)—CPA1 gene; seq.var. = ?

DNA(specification)—**CPA2 gene;****sequence variation**

name of component: carboxypeptidase A2 (pancreatic)

[NPU31833](#)

DNA(spec.)—CPA2 gene; seq.var. = ?

DNA(specification)—**CPA3 gene;****sequence variation**

name of component: carboxypeptidase A3 (mast cell)

[NPU31834](#)

DNA(spec.)—CPA3 gene; seq.var. = ?

DNA(specification)—**CPA4 gene;****sequence variation**

name of component: carboxypeptidase A4

[NPU43863](#)

DNA(spec.)—CPA4 gene; seq.var. = ?

DNA(specification)—**CPA5 gene;****sequence variation**

name of component: carboxypeptidase A5

[NPU43853](#)

DNA(spec.)—CPA5 gene; seq.var. = ?

DNA(specification)—**CPA6 gene;****sequence variation**

name of component: carboxypeptidase A6

[NPU44932](#)

DNA(spec.)—CPA6 gene; seq.var. = ?

DNA(specification)—**CPB1 gene;****sequence variation**

name of component: carboxypeptidase B1 (tissue)

[NPU31835](#)

DNA(spec.)—CPB1 gene; seq.var. = ?

DNA(specification)—**CPB2 gene;****sequence variation**

name of component: carboxypeptidase B2 (plasma, carboxypeptidase U)

[NPU31836](#)

DNA(spec.)—CPB2 gene; seq.var. = ?

DNA(specification)—**CPD gene;****sequence variation**

name of component: carboxypeptidase D

[NPU31837](#)

DNA(spec.)—CPD gene; seq.var. = ?

DNA(specification)—**CPE gene;****sequence variation**

name of component: carboxypeptidase E

[NPU31838](#)

DNA(spec.)—CPE gene; seq.var. = ?

DNA(specification)—**CPL1 gene;****sequence variation**

name of component: ceruloplasmin-like 1

[NPU31839](#)

DNA(spec.)—CPL1 gene; seq.var. = ?

DNA(specification)—**CPLX1 gene;****sequence variation**

name of component: complexin 1

[NPU31840](#)

DNA(spec.)—CPLX1 gene; seq.var. = ?

DNA(specification)—**CPLX2 gene;****sequence variation**

name of component: complexin 2

[NPU31841](#)

DNA(spec.)—CPLX2 gene; seq.var. = ?

DNA(specification)—**CPM gene;****sequence variation**

name of component: carboxypeptidase M

[NPU31842](#)

DNA(spec.)—CPM gene; seq.var. = ?

DNA(specification)—**CPN1 gene;****sequence variation**

name of component: carboxypeptidase N, polypeptide 1, 50kD

[NPU31843](#)

DNA(spec.)—CPN1 gene; seq.var. = ?

DNA(specification)—
CPN2 gene;
sequence variation
name of component: carboxypeptidase N, polypeptide 2, 83kD
[NPU31844](#)
DNA(spec.)—CPN2 gene; seq.var. = ?

DNA(specification)—
CPNE1 gene;
sequence variation
name of component: copine I
[NPU31845](#)
DNA(spec.)—CPNE1 gene; seq.var. = ?

DNA(specification)—
CPNE2 gene;
sequence variation
name of component: copine II
[NPU31846](#)
DNA(spec.)—CPNE2 gene; seq.var. = ?

DNA(specification)—
CPNE3 gene;
sequence variation
name of component: copine III
[NPU31847](#)
DNA(spec.)—CPNE3 gene; seq.var. = ?

DNA(specification)—
CPNE4 gene;
sequence variation
name of component: copine IV
[NPU31848](#)
DNA(spec.)—CPNE4 gene; seq.var. = ?

DNA(specification)—
CPNE5 gene;
sequence variation
name of component: copine V
[NPU31849](#)
DNA(spec.)—CPNE5 gene; seq.var. = ?

DNA(specification)—
CPNE6 gene;
sequence variation
name of component: copine VI (neuronal)
[NPU31850](#)
DNA(spec.)—CPNE6 gene; seq.var. = ?

DNA(specification)—
CPNE7 gene;
sequence variation
name of component: copine VII
[NPU31851](#)
DNA(spec.)—CPNE7 gene; seq.var. = ?

DNA(specification)—
CPO gene;
sequence variation
name of component: coproporphyrinogen oxidase (coproporphyrin, harderoporphyria)
[NPU31852](#)
DNA(spec.)—CPO gene; seq.var. = ?

DNA(specification)—
CPP gene;
sequence variation
name of component: ceruloplasmin (ferroxidase) pseudogene
[NPU31853](#)
DNA(spec.)—CPP gene; seq.var. = ?

DNA(specification)—
CPS1 gene;
sequence variation
name of component: carbamoyl-phosphate synthetase 1, mitochondrial
[NPU19050](#)
DNA(spec.)—CPS1 gene; seq.var. = ?

DNA(specification)—
CPSF1 gene;
sequence variation
name of component: cleavage and polyadenylation specific factor 1, 160 kDa
[NPU31854](#)
DNA(spec.)—CPSF1 gene; seq.var. = ?

DNA(specification)—
CPSF1P1 gene;
sequence variation
name of component: cleavage and polyadenylation specific factor 1, 160 kDa pseudogene 1
[NPU46936](#)
DNA(spec.)—CPSF1P1 gene; seq.var. = ?

DNA(specification)—
CPSF2 gene;
sequence variation
name of component: cleavage and polyadenylation specific factor 2, 100 kDa
[NPU31855](#)
DNA(spec.)—CPSF2 gene; seq.var. = ?

DNA(specification)—
CPSF3 gene;
sequence variation
name of component: cleavage and polyadenylation specific factor 3, 73 kDa
[NPU31856](#)
DNA(spec.)—CPSF3 gene; seq.var. = ?

DNA(specification)—**CPSF4 gene;****sequence variation**

name of component: cleavage and polyadenylation specific factor 4, 30 kDa

[NPU31857](#)

DNA(spec.)—CPSF4 gene; seq.var. = ?

DNA(specification)—**CPSF5 gene;****sequence variation**

name of component: cleavage and polyadenylation specific factor 5, 25 kDa

[NPU42365](#)

DNA(spec.)—CPSF5 gene; seq.var. = ?

DNA(specification)—**CPSF6 gene;****sequence variation**

name of component: cleavage and polyadenylation specific factor 6, 68 kDa

[NPU42366](#)

DNA(spec.)—CPSF6 gene; seq.var. = ?

DNA(specification)—**CPT1A gene;****sequence variation**

name of component: carnitine palmitoyltransferase 1A (liver)

[NPU31858](#)

DNA(spec.)—CPT1A gene; seq.var. = ?

DNA(specification)—**CPT1B gene;****sequence variation**

name of component: carnitine palmitoyltransferase 1B (muscle)

[NPU31859](#)

DNA(spec.)—CPT1B gene; seq.var. = ?

DNA(specification)—**CPT2 gene;****sequence variation**

name of component: carnitine palmitoyltransferase II

[NPU31860](#)

DNA(spec.)—CPT2 gene; seq.var. = ?

DNA(specification)—**CPVL gene;****sequence variation**

name of component: carboxypeptidase, vitellogenic-like

[NPU42725](#)

DNA(spec.)—CPVL gene; seq.var. = ?

DNA(specification)—**CPX gene;****sequence variation**

name of component: cleft palate and/or ankyloglossia

[NPU31861](#)

DNA(spec.)—CPX gene; seq.var. = ?

DNA(specification)—**CPXCR1 gene;****sequence variation**

name of component: CPX chromosome region, candidate 1

[NPU31862](#)

DNA(spec.)—CPXCR1 gene; seq.var. = ?

DNA(specification)—**CPXM gene;****sequence variation**

name of component: carboxypeptidase X (M14 family)

[NPU43888](#)

DNA(spec.)—CPXM gene; seq.var. = ?

DNA(specification)—**CPZ gene;****sequence variation**

name of component: carboxypeptidase Z

[NPU31863](#)

DNA(spec.)—CPZ gene; seq.var. = ?

DNA(specification)—**CR1 gene;****sequence variation**

name of component: complement component (3b/4b) receptor 1, including Knops blood group system

[NPU31864](#)

DNA(spec.)—CR1 gene; seq.var. = ?

DNA(specification)—**CR1L gene;****sequence variation**

name of component: complement component (3b/4b) receptor 1-like

[NPU31865](#)

DNA(spec.)—CR1L gene; seq.var. = ?

DNA(specification)—**CR2 gene;****sequence variation**

name of component: complement component (3d/Epstein Barr virus) receptor 2

[NPU31866](#)

DNA(spec.)—CR2 gene; seq.var. = ?

DNA(specification)—**CRABP1 gene;****sequence variation**

name of component: cellular retinoic acid binding protein 1

[NPU31867](#)

DNA(spec.)—CRABP1 gene; seq.var. = ?

DNA(specification)—**CRABP2 gene;****sequence variation**

name of component: cellular retinoic acid binding protein 2

[NPU31868](#)

DNA(spec.)—CRABP2 gene; seq.var. = ?

DNA(specification)—**CRAC1 gene;****sequence variation**

name of component: colorectal adenoma and carcinoma 1

[NPU47669](#)

DNA(spec.)—CRAC1 gene; seq.var. = ?

DNA(specification)—**CRADD gene;****sequence variation**

name of component: CASP2 and RIPK1 domain containing adaptor with death domain

[NPU31869](#)

DNA(spec.)—CRADD gene; seq.var. = ?

DNA(specification)—**CRAMP1L gene;****sequence variation**

name of component: Crm, cramped-like (Drosophila)

[NPU42522](#)

DNA(spec.)—CRAMP1L gene; seq.var. = ?

DNA(specification)—**CRAT gene;****sequence variation**

name of component: carnitine acetyltransferase

[NPU31870](#)

DNA(spec.)—CRAT gene; seq.var. = ?

DNA(specification)—**CRB1 gene;****sequence variation**

name of component: crumbs homolog 1 (Drosophila)

[NPU31871](#)

DNA(spec.)—CRB1 gene; seq.var. = ?

DNA(specification)—**CRB3 gene;****sequence variation**

name of component: crumbs homolog 3 (Drosophila)

[NPU47510](#)

DNA(spec.)—CRB3 gene; seq.var. = ?

DNA(specification)—**CREB1 gene;****sequence variation**

name of component: cAMP responsive element binding protein 1

[NPU31872](#)

DNA(spec.)—CREB1 gene; seq.var. = ?

DNA(specification)—**CREB3 gene;****sequence variation**

name of component: cAMP responsive element binding protein 3 (human)

[NPU31873](#)

DNA(spec.)—CREB3 gene; seq.var. = ?

DNA(specification)—**CREBBP gene;****sequence variation**

name of component: CREB binding protein (Rubinstein-Taybi syndrome)

[NPU31874](#)

DNA(spec.)—CREBBP gene; seq.var. = ?

DNA(specification)—**CREBL1 gene;****sequence variation**

name of component: cAMP responsive element binding protein-like 1

[NPU31875](#)

DNA(spec.)—CREBL1 gene; seq.var. = ?

DNA(specification)—**CREBL2 gene;****sequence variation**

name of component: cAMP responsive element binding protein-like 2

[NPU31876](#)

DNA(spec.)—CREBL2 gene; seq.var. = ?

DNA(specification)—**CREG gene;****sequence variation**

name of component: cellular repressor of E1A-stimulated genes

[NPU31877](#)

DNA(spec.)—CREG gene; seq.var. = ?

DNA(specification)—**CRELD1 gene;****sequence variation**

name of component: cysteine-rich with EGF-like domains 1

[NPU42909](#)

DNA(spec.)—CRELD1 gene; seq.var. = ?

DNA(specification)—**CREM gene;****sequence variation**

name of component: cAMP responsive element modulator

[NPU31878](#)

DNA(spec.)—CREM gene; seq.var. = ?

DNA(specification)—**CRG gene;****sequence variation**

name of component: CHARGE association

[NPU31879](#)

DNA(spec.)—CRG gene; seq.var. = ?

DNA(specification)—**CRH gene;****sequence variation**

name of component: corticotropin releasing hormone

[NPU31880](#)

DNA(spec.)—CRH gene; seq.var. = ?

DNA(specification)—**CRHBP gene;****sequence variation**

name of component: corticotropin releasing hormone binding protein

[NPU31881](#)

DNA(spec.)—CRHBP gene; seq.var. = ?

DNA(specification)—**CRHR1 gene;****sequence variation**

name of component: corticotropin releasing hormone receptor 1

[NPU31882](#)

DNA(spec.)—CRHR1 gene; seq.var. = ?

DNA(specification)—**CRHR2 gene;****sequence variation**

name of component: corticotropin releasing hormone receptor 2

[NPU31883](#)

DNA(spec.)—CRHR2 gene; seq.var. = ?

DNA(specification)—**CR11 gene;****sequence variation**

name of component: CREBBP/EP300 inhibitory protein 1

[NPU30969](#)

DNA(spec.)—CR11 gene; seq.var. = ?

DNA(specification)—**CRIM1 gene;****sequence variation**

name of component: cysteine-rich motor neuron 1

[NPU31884](#)

DNA(spec.)—CRIM1 gene; seq.var. = ?

DNA(specification)—**CRIP1 gene;****sequence variation**

name of component: cysteine-rich protein 1 (intestinal)

[NPU31885](#)

DNA(spec.)—CRIP1 gene; seq.var. = ?

DNA(specification)—**CRIP2 gene;****sequence variation**

name of component: cysteine-rich protein 2

[NPU31886](#)

DNA(spec.)—CRIP2 gene; seq.var. = ?

DNA(specification)—**CRK gene;****sequence variation**

name of component: v-crk sarcoma virus CT10 oncogene homolog (avian)

[NPU31887](#)

DNA(spec.)—CRK gene; seq.var. = ?

DNA(specification)—**CRKL gene;****sequence variation**

name of component: v-crk sarcoma virus CT10 oncogene homolog (avian)-like

[NPU31888](#)

DNA(spec.)—CRKL gene; seq.var. = ?

DNA(specification)—**CRLF1 gene;****sequence variation**

name of component: cytokine receptor-like factor 1

[NPU31889](#)

DNA(spec.)—CRLF1 gene; seq.var. = ?

DNA(specification)—**CRLF2 gene;****sequence variation**

name of component: cytokine receptor-like factor 2

[NPU42644](#)

DNA(spec.)—CRLF2 gene; seq.var. = ?

DNA(specification)—**CRLF3 gene;****sequence variation**

name of component: cytokine receptor-like factor 3

[NPU44899](#)

DNA(spec.)—CRLF3 gene; seq.var. = ?

DNA(specification)—**CRMP1 gene;****sequence variation**

name of component: collapsin response mediator protein 1

[NPU31890](#)

DNA(spec.)—CRMP1 gene; seq.var. = ?

DNA(specification)—**CRNKL1 gene;****sequence variation**

name of component: Crn, crooked neck-like 1 (Drosophila)

[NPU43879](#)

DNA(spec.)—CRNKL1 gene; seq.var. = ?

DNA(specification)—**CROT gene;****sequence variation**

name of component: carnitine O-octanoyltransferase

[NPU31891](#)

DNA(spec.)—CROT gene; seq.var. = ?

DNA(specification)—**CRP gene;****sequence variation**

name of component: C-reactive protein, pentraxin-related

[NPU31892](#)

DNA(spec.)—CRP gene; seq.var. = ?

DNA(specification)—**CRPP1 gene;****sequence variation**

name of component: C-reactive protein pseudogene 1

[NPU31893](#)

DNA(spec.)—CRPP1 gene; seq.var. = ?

DNA(specification)—**CRS gene;****sequence variation**

name of component: craniosynostosis

[NPU31894](#)

DNA(spec.)—CRS gene; seq.var. = ?

DNA(specification)—**CRSP2 gene;****sequence variation**

name of component: cofactor required for Sp1 transcriptional activation, subunit 2, 150 kDa

[NPU31895](#)

DNA(spec.)—CRSP2 gene; seq.var. = ?

DNA(specification)—**CRSP2P gene;****sequence variation**

name of component: cofactor required for Sp1 transcriptional activation, subunit 2, pseudogene

[NPU31896](#)

DNA(spec.)—CRSP2P gene; seq.var. = ?

DNA(specification)—**CRSP3 gene;****sequence variation**

name of component: cofactor required for Sp1 transcriptional activation, subunit 3, 130 kDa

[NPU31897](#)

DNA(spec.)—CRSP3 gene; seq.var. = ?

DNA(specification)—**CRSP4 gene;****sequence variation**

name of component: cofactor required for Sp1 transcriptional activation, subunit 4, 100 kDa

[NPU31898](#)

DNA(spec.)—CRSP4 gene; seq.var. = ?

DNA(specification)—**CRSP5 gene;****sequence variation**

name of component: cofactor required for Sp1 transcriptional activation, subunit 5, 85 kDa

[NPU31899](#)

DNA(spec.)—CRSP5 gene; seq.var. = ?

DNA(specification)—**CRSP6 gene;****sequence variation**

name of component: cofactor required for Sp1 transcriptional activation, subunit 6, 77 kDa

[NPU31900](#)

DNA(spec.)—CRSP6 gene; seq.var. = ?

DNA(specification)—**CRSP7 gene;****sequence variation**

name of component: cofactor required for Sp1 transcriptional activation, subunit 7, 70 kDa

[NPU31901](#)

DNA(spec.)—CRSP7 gene; seq.var. = ?

DNA(specification)—
CRSP8 gene;
sequence variation
 name of component: cofactor required for Sp1 transcriptional activation, subunit 8, 34 kDa
[NPU31902](#)
 DNA(spec.)—CRSP8 gene; seq.var. = ?

DNA(specification)—
CRSP9 gene;
sequence variation
 name of component: cofactor required for Sp1 transcriptional activation, subunit 9, 33 kDa
[NPU31903](#)
 DNA(spec.)—CRSP9 gene; seq.var. = ?

DNA(specification)—
CRTAC1 gene;
sequence variation
 name of component: cartilage acidic protein 1
[NPU43136](#)
 DNA(spec.)—CRTAC1 gene; seq.var. = ?

DNA(specification)—
CRTAP gene;
sequence variation
 name of component: cartilage associated protein
[NPU31904](#)
 DNA(spec.)—CRTAP gene; seq.var. = ?

DNA(specification)—
CRTL1 gene;
sequence variation
 name of component: cartilage linking protein 1
[NPU31905](#)
 DNA(spec.)—CRTL1 gene; seq.var. = ?

DNA(specification)—
CRTL2 gene;
sequence variation
 name of component: cartilage linking protein 2
[NPU31906](#)
 DNA(spec.)—CRTL2 gene; seq.var. = ?

DNA(specification)—
CRX gene;
sequence variation
 name of component: cone-rod homeobox
[NPU31907](#)
 DNA(spec.)—CRX gene; seq.var. = ?

DNA(specification)—
CRY1 gene;
sequence variation
 name of component: cryptochrome 1 (photolyase-like)
[NPU31908](#)
 DNA(spec.)—CRY1 gene; seq.var. = ?

DNA(specification)—
CRY2 gene;
sequence variation
 name of component: cryptochrome 2 (photolyase-like)
[NPU31909](#)
 DNA(spec.)—CRY2 gene; seq.var. = ?

DNA(specification)—
CRYAB gene;
sequence variation
 name of component: crystallin, alpha B
[NPU31911](#)
 DNA(spec.)—CRYAB gene; seq.var. = ?

DNA(specification)—
CRYBA1 gene;
sequence variation
 name of component: crystallin, beta A1
[NPU31912](#)
 DNA(spec.)—CRYBA1 gene; seq.var. = ?

DNA(specification)—
CRYBA2 gene;
sequence variation
 name of component: crystallin, beta A2
[NPU31913](#)
 DNA(spec.)—CRYBA2 gene; seq.var. = ?

DNA(specification)—
CRYBA4 gene;
sequence variation
 name of component: crystallin, beta A4
[NPU31914](#)
 DNA(spec.)—CRYBA4 gene; seq.var. = ?

DNA(specification)—
CRYBB1 gene;
sequence variation
 name of component: crystallin, beta B1
[NPU31915](#)
 DNA(spec.)—CRYBB1 gene; seq.var. = ?

DNA(specification)—
CRYBB2 gene;
sequence variation
 name of component: crystallin, beta B2
[NPU31916](#)
 DNA(spec.)—CRYBB2 gene; seq.var. = ?

DNA(specification)—
CRYBB2P1 gene;
sequence variation
 name of component: crystallin, beta B2 pseudogene 1
[NPU31917](#)
 DNA(spec.)—CRYBB2P1 gene; seq.var. = ?

DNA(specification)—
CRYBB3 gene;
sequence variation
name of component: crystallin, beta B3
[NPU31918](#)
DNA(spec.)—CRYBB3 gene; seq.var. = ?

DNA(specification)—
CRYGA gene;
sequence variation
name of component: crystallin, gamma A
[NPU31919](#)
DNA(spec.)—CRYGA gene; seq.var. = ?

DNA(specification)—
CRYGB gene;
sequence variation
name of component: crystallin, gamma B
[NPU31920](#)
DNA(spec.)—CRYGB gene; seq.var. = ?

DNA(specification)—
CRYGC gene;
sequence variation
name of component: crystallin, gamma C
[NPU31921](#)
DNA(spec.)—CRYGC gene; seq.var. = ?

DNA(specification)—
CRYGD gene;
sequence variation
name of component: crystallin, gamma D
[NPU31922](#)
DNA(spec.)—CRYGD gene; seq.var. = ?

DNA(specification)—
CRYGEP1 gene;
sequence variation
name of component: crystallin, gamma E pseudogene 1
[NPU31923](#)
DNA(spec.)—CRYGEP1 gene; seq.var. = ?

DNA(specification)—
CRYGFP1 gene;
sequence variation
name of component: crystallin, gamma F pseudogene 1
[NPU31924](#)
DNA(spec.)—CRYGFP1 gene; seq.var. = ?

DNA(specification)—
CRYGGP1 gene;
sequence variation
name of component: crystallin, gamma G pseudogene 1
[NPU31925](#)
DNA(spec.)—CRYGGP1 gene; seq.var. = ?

DNA(specification)—
CRYGN gene;
sequence variation
name of component: crystallin, gamma N
[NPU47630](#)
DNA(spec.)—CRYGN gene; seq.var. = ?

DNA(specification)—
CRYGS gene;
sequence variation
name of component: crystallin, gamma S
[NPU31926](#)
DNA(spec.)—CRYGS gene; seq.var. = ?

DNA(specification)—
CRYL1 gene;
sequence variation
name of component: crystallin, lambda 1
[NPU46358](#)
DNA(spec.)—CRYL1 gene; seq.var. = ?

DNA(specification)—
CRYM gene;
sequence variation
name of component: crystallin, mu
[NPU31927](#)
DNA(spec.)—CRYM gene; seq.var. = ?

DNA(specification)—
CRYZ gene;
sequence variation
name of component: crystallin, zeta (quinone reductase)
[NPU31928](#)
DNA(spec.)—CRYZ gene; seq.var. = ?

DNA(specification)—
CRYZL1 gene;
sequence variation
name of component: crystallin, zeta (quinone reductase)-like 1
[NPU31929](#)
DNA(spec.)—CRYZL1 gene; seq.var. = ?

DNA(specification)—
CRYZP1 gene;
sequence variation
name of component: crystallin, zeta (quinone reductase) pseudogene 1
[NPU31930](#)
DNA(spec.)—CRYZP1 gene; seq.var. = ?

DNA(specification)—
CRYAA gene;
sequence variation
name of component: crystallin, alpha A
[NPU31910](#)
DNA(spec.)—CRYAA gene; seq.var. = ?

DNA(specification)—**CS gene;****sequence variation**

name of component: citrate synthase

[NPU31931](#)

DNA(spec.)—CS gene; seq.var. = ?

DNA(specification)—**CSAD gene;****sequence variation**

name of component: cysteine sulfinic acid decarboxylase

[NPU46800](#)

DNA(spec.)—CSAD gene; seq.var. = ?

DNA(specification)—**CSDA gene;****sequence variation**

name of component: cold shock domain protein A

[NPU31932](#)

DNA(spec.)—CSDA gene; seq.var. = ?

DNA(specification)—**CSDAP1 gene;****sequence variation**

name of component: cold shock domain protein A pseudogene 1

[NPU31933](#)

DNA(spec.)—CSDAP1 gene; seq.var. = ?

DNA(specification)—**CSDUFD1 gene;****sequence variation**

name of component: cystatin and DUF19 domain containing 1

[NPU42311](#)

DNA(spec.)—CSDUFD1 gene; seq.var. = ?

DNA(specification)—**CSE gene;****sequence variation**

name of component: choreoathetosis/spasticity, episodic (paroxysmal choreoathetosis/spasticity)

[NPU31934](#)

DNA(spec.)—CSE gene; seq.var. = ?

DNA(specification)—**CSE1L gene;****sequence variation**

name of component: CSE1 chromosome segregation 1-like (yeast)

[NPU31935](#)

DNA(spec.)—CSE1L gene; seq.var. = ?

DNA(specification)—**CSEN gene;****sequence variation**

name of component: calsenilin, presenilin binding protein, EF hand transcription factor

[NPU43720](#)

DNA(spec.)—CSEN gene; seq.var. = ?

DNA(specification)—**CSF1 gene;****sequence variation**

name of component: colony stimulating factor 1 (macrophage)

[NPU31936](#)

DNA(spec.)—CSF1 gene; seq.var. = ?

DNA(specification)—**CSF1R gene;****sequence variation**

name of component: colony stimulating factor 1 receptor, formerly McDonough feline sarcoma viral (v-fms) oncogene homolog

[NPU31937](#)

DNA(spec.)—CSF1R gene; seq.var. = ?

DNA(specification)—**CSF2 gene;****sequence variation**

name of component: colony stimulating factor 2 (granulocyte-macrophage)

[NPU31938](#)

DNA(spec.)—CSF2 gene; seq.var. = ?

DNA(specification)—**CSF2RA gene;****sequence variation**

name of component: colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage)

[NPU31939](#)

DNA(spec.)—CSF2RA gene; seq.var. = ?

DNA(specification)—**CSF2RB gene;****sequence variation**

name of component: colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)

[NPU31940](#)

DNA(spec.)—CSF2RB gene; seq.var. = ?

DNA(specification)—**CSF2RB2 gene;****sequence variation**

name of component: colony stimulating factor 2 receptor, beta, 2

[NPU31941](#)

DNA(spec.)—CSF2RB2 gene; seq.var. = ?

DNA(specification)—**CSF3 gene;****sequence variation**

name of component: colony stimulating factor 3 (granulocyte)

[NPU31942](#)

DNA(spec.)—CSF3 gene; seq.var. = ?

DNA(specification)—**CSF3R gene;****sequence variation**

name of component: colony stimulating factor 3 receptor (granulocyte)

[NPU31943](#)

DNA(spec.)—CSF3R gene; seq.var. = ?

DNA(specification)—**CSH1 gene;****sequence variation**

name of component: chorionic somatomammotropin hormone 1 (placental lactogen)

[NPU31944](#)

DNA(spec.)—CSH1 gene; seq.var. = ?

DNA(specification)—**CSH2 gene;****sequence variation**

name of component: chorionic somatomammotropin hormone 2

[NPU31945](#)

DNA(spec.)—CSH2 gene; seq.var. = ?

DNA(specification)—**CSHL1 gene;****sequence variation**

name of component: chorionic somatomammotropin hormone-like 1

[NPU31946](#)

DNA(spec.)—CSHL1 gene; seq.var. = ?

DNA(specification)—**CSK gene;****sequence variation**

name of component: c-src tyrosine kinase

[NPU31947](#)

DNA(spec.)—CSK gene; seq.var. = ?

DNA(specification)—**CSMD1 gene;****sequence variation**

name of component: CUB and Sushi multiple domains 1

[NPU42460](#)

DNA(spec.)—CSMD1 gene; seq.var. = ?

DNA(specification)—**CSMD2 gene;****sequence variation**

name of component: CUB and Sushi multiple domains 2

[NPU46956](#)

DNA(spec.)—CSMD2 gene; seq.var. = ?

DNA(specification)—**CSMD3 gene;****sequence variation**

name of component: CUB and Sushi multiple domains 3

[NPU46957](#)

DNA(spec.)—CSMD3 gene; seq.var. = ?

DNA(specification)—**CSN1S1 gene;****sequence variation**

name of component: casein alpha s1

[NPU31948](#)

DNA(spec.)—CSN1S1 gene; seq.var. = ?

DNA(specification)—**CSN1S2A gene;****sequence variation**

name of component: casein alpha s2-like A

[NPU47503](#)

DNA(spec.)—CSN1S2A gene; seq.var. = ?

DNA(specification)—**CSN1S2B gene;****sequence variation**

name of component: casein alpha s2-like B

[NPU47501](#)

DNA(spec.)—CSN1S2B gene; seq.var. = ?

DNA(specification)—**CSN2 gene;****sequence variation**

name of component: casein beta

[NPU31950](#)

DNA(spec.)—CSN2 gene; seq.var. = ?

DNA(specification)—**CSN3 gene;****sequence variation**

name of component: casein kappa

[NPU31949](#)

DNA(spec.)—CSN3 gene; seq.var. = ?

DNA(specification)—**CSNK1A1 gene;****sequence variation**

name of component: casein kinase 1, alpha 1

[NPU31951](#)

DNA(spec.)—CSNK1A1 gene; seq.var. = ?

DNA(specification)—
CSNK1D gene;
sequence variation
name of component: casein kinase 1, delta
[NPU31952](#)
DNA(spec.)—CSNK1D gene; seq.var. = ?

DNA(specification)—
CSNK1E gene;
sequence variation
name of component: casein kinase 1, epsilon
[NPU31953](#)
DNA(spec.)—CSNK1E gene; seq.var. = ?

DNA(specification)—
CSNK1G1 gene;
sequence variation
name of component: casein kinase 1, gamma 1
[NPU31954](#)
DNA(spec.)—CSNK1G1 gene; seq.var. = ?

DNA(specification)—
CSNK1G2 gene;
sequence variation
name of component: casein kinase 1, gamma 2
[NPU31955](#)
DNA(spec.)—CSNK1G2 gene; seq.var. = ?

DNA(specification)—
CSNK1G3 gene;
sequence variation
name of component: casein kinase 1, gamma 3
[NPU31956](#)
DNA(spec.)—CSNK1G3 gene; seq.var. = ?

DNA(specification)—
CSNK2A1 gene;
sequence variation
name of component: casein kinase 2, alpha 1 polypeptide
[NPU31957](#)
DNA(spec.)—CSNK2A1 gene; seq.var. = ?

DNA(specification)—
CSNK2A1P gene;
sequence variation
name of component: casein kinase 2, alpha 1 polypeptide pseudogene
[NPU31958](#)
DNA(spec.)—CSNK2A1P gene; seq.var. = ?

DNA(specification)—
CSNK2A2 gene;
sequence variation
name of component: casein kinase 2, alpha prime polypeptide
[NPU31959](#)
DNA(spec.)—CSNK2A2 gene; seq.var. = ?

DNA(specification)—
CSNK2B gene;
sequence variation
name of component: casein kinase 2, beta polypeptide
[NPU31960](#)
DNA(spec.)—CSNK2B gene; seq.var. = ?

DNA(specification)—
CSPG2 gene;
sequence variation
name of component: chondroitin sulfate proteoglycan 2 (versican)
[NPU31961](#)
DNA(spec.)—CSPG2 gene; seq.var. = ?

DNA(specification)—
CSPG3 gene;
sequence variation
name of component: chondroitin sulfate proteoglycan 3 (neurocan)
[NPU31962](#)
DNA(spec.)—CSPG3 gene; seq.var. = ?

DNA(specification)—
CSPG4 gene;
sequence variation
name of component: chondroitin sulfate proteoglycan 4 (melanoma-associated)
[NPU31963](#)
DNA(spec.)—CSPG4 gene; seq.var. = ?

DNA(specification)—
CSPG4LY gene;
sequence variation
name of component: chondroitin sulfate proteoglycan 4-like, Y-linked
[NPU44469](#)
DNA(spec.)—CSPG4LY gene; seq.var. = ?

DNA(specification)—
CSPG5 gene;
sequence variation
name of component: chondroitin sulfate proteoglycan 5 (neuroglycan C)
[NPU31964](#)
DNA(spec.)—CSPG5 gene; seq.var. = ?

DNA(specification)—
CSPG6 gene;
sequence variation
name of component: chondroitin sulfate proteoglycan 6 (bamacan)
[NPU31965](#)
DNA(spec.)—CSPG6 gene; seq.var. = ?

DNA(specification)—**CSRP1 gene;****sequence variation**

name of component: cysteine and glycine-rich protein 1

[NPU31966](#)

DNA(spec.)—CSRP1 gene; seq.var. = ?

DNA(specification)—**CSRP2 gene;****sequence variation**

name of component: cysteine and glycine-rich protein 2

[NPU31967](#)

DNA(spec.)—CSRP2 gene; seq.var. = ?

DNA(specification)—**CSRP2BP gene;****sequence variation**

name of component: CSRP2 binding protein

[NPU43990](#)

DNA(spec.)—CSRP2BP gene; seq.var. = ?

DNA(specification)—**CSRP2P gene;****sequence variation**

name of component: cysteine and glycine-rich protein 2 pseudogene

[NPU31968](#)

DNA(spec.)—CSRP2P gene; seq.var. = ?

DNA(specification)—**CSRP3 gene;****sequence variation**

name of component: cysteine and glycine-rich protein 3 (cardiac LIM protein)

[NPU31969](#)

DNA(spec.)—CSRP3 gene; seq.var. = ?

DNA(specification)—**CST1 gene;****sequence variation**

name of component: cystatin SN

[NPU31970](#)

DNA(spec.)—CST1 gene; seq.var. = ?

DNA(specification)—**CST11 gene;****sequence variation**

name of component: cystatin 11

[NPU44037](#)

DNA(spec.)—CST11 gene; seq.var. = ?

DNA(specification)—**CST2 gene;****sequence variation**

name of component: cystatin SA

[NPU31971](#)

DNA(spec.)—CST2 gene; seq.var. = ?

DNA(specification)—**CST3 gene;****sequence variation**

name of component: cystatin C (amyloid angiopathy and cerebral hemorrhage)

[NPU31972](#)

DNA(spec.)—CST3 gene; seq.var. = ?

DNA(specification)—**CST4 gene;****sequence variation**

name of component: cystatin S

[NPU31973](#)

DNA(spec.)—CST4 gene; seq.var. = ?

DNA(specification)—**CST5 gene;****sequence variation**

name of component: cystatin D

[NPU31974](#)

DNA(spec.)—CST5 gene; seq.var. = ?

DNA(specification)—**CST6 gene;****sequence variation**

name of component: cystatin E/M

[NPU31975](#)

DNA(spec.)—CST6 gene; seq.var. = ?

DNA(specification)—**CST7 gene;****sequence variation**

name of component: cystatin F (leukocystatin)

[NPU31976](#)

DNA(spec.)—CST7 gene; seq.var. = ?

DNA(specification)—**CST8 gene;****sequence variation**

name of component: cystatin 8 (cystatin-related epididymal specific)

[NPU31977](#)

DNA(spec.)—CST8 gene; seq.var. = ?

DNA(specification)—**CST9L gene;****sequence variation**

name of component: cystatin 9-like (mouse)

[NPU44276](#)

DNA(spec.)—CST9L gene; seq.var. = ?

DNA(specification)—**CSTA gene;****sequence variation**

name of component: cystatin A (stefin A)

[NPU31978](#)

DNA(spec.)—CSTA gene; seq.var. = ?

DNA(specification)—**CSTB gene;****sequence variation**

name of component: cystatin B (stefin B)

[NPU31979](#)

DNA(spec.)—CSTB gene; seq.var. = ?

DNA(specification)—**CSTF1 gene;****sequence variation**

name of component: cleavage stimulation factor, 3' pre-RNA, subunit 1, 50 kDa

[NPU31980](#)

DNA(spec.)—CSTF1 gene; seq.var. = ?

DNA(specification)—**CSTF2 gene;****sequence variation**

name of component: cleavage stimulation factor, 3' pre-RNA, subunit 2, 64 kDa

[NPU31981](#)

DNA(spec.)—CSTF2 gene; seq.var. = ?

DNA(specification)—**CSTF3 gene;****sequence variation**

name of component: cleavage stimulation factor, 3' pre-RNA, subunit 3, 77 kDa

[NPU31982](#)

DNA(spec.)—CSTF3 gene; seq.var. = ?

DNA(specification)—**CSTL1 gene;****sequence variation**

name of component: cystatin-like 1

[NPU44036](#)

DNA(spec.)—CSTL1 gene; seq.var. = ?

DNA(specification)—**CSTP1 gene;****sequence variation**

name of component: cystatin pseudogene 1

[NPU31983](#)

DNA(spec.)—CSTP1 gene; seq.var. = ?

DNA(specification)—**CSTP2 gene;****sequence variation**

name of component: cystatin pseudogene 2

[NPU31984](#)

DNA(spec.)—CSTP2 gene; seq.var. = ?

DNA(specification)—**CTAG1 gene;****sequence variation**

name of component: cancer/testis antigen 1

[NPU31988](#)

DNA(spec.)—CTAG1 gene; seq.var. = ?

DNA(specification)—**CTAG2 gene;****sequence variation**

name of component: cancer/testis antigen 2

[NPU31989](#)

DNA(spec.)—CTAG2 gene; seq.var. = ?

DNA(specification)—**CTBP1 gene;****sequence variation**

name of component: C-terminal binding protein 1

[NPU31990](#)

DNA(spec.)—CTBP1 gene; seq.var. = ?

DNA(specification)—**CTBP2 gene;****sequence variation**

name of component: C-terminal binding protein 2

[NPU31991](#)

DNA(spec.)—CTBP2 gene; seq.var. = ?

DNA(specification)—**CTBS gene;****sequence variation**

name of component: chitinase, di-N-acetyl-

[NPU31992](#)

DNA(spec.)—CTBS gene; seq.var. = ?

DNA(specification)—**CTCF gene;****sequence variation**

name of component: CCCTC-binding factor (zinc finger protein)

[NPU42289](#)

DNA(spec.)—CTCF gene; seq.var. = ?

DNA(specification)—**CTCFL gene;****sequence variation**

name of component: CCCTC-binding factor (zinc finger protein)-like

[NPU44277](#)

DNA(spec.)—CTCFL gene; seq.var. = ?

DNA(specification)—**CTD gene;****sequence variation**

name of component: Coats disease

[NPU31993](#)

DNA(spec.)—CTD gene; seq.var. = ?

DNA(specification)—**CTDP1 gene;****sequence variation**

name of component: CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase, subunit 1

[NPU31994](#)

DNA(spec.)—CTDP1 gene; seq.var. = ?

DNA(specification)—**CTF1 gene;****sequence variation**

name of component: cardiotrophin 1

[NPU31995](#)

DNA(spec.)—CTF1 gene; seq.var. = ?

DNA(specification)—**CTGF gene;****sequence variation**

name of component: connective tissue growth factor

[NPU31996](#)

DNA(spec.)—CTGF gene; seq.var. = ?

DNA(specification)—**CTH gene;****sequence variation**

name of component: cystathionase (cystathionine gamma-lyase)

[NPU31997](#)

DNA(spec.)—CTH gene; seq.var. = ?

DNA(specification)—**CTHM gene;****sequence variation**

name of component: cono-truncal heart malformation

[NPU31998](#)

DNA(spec.)—CTHM gene; seq.var. = ?

DNA(specification)—**CTHRC1 gene;****sequence variation**

name of component: collagen triple helix repeat containing 1

[NPU46690](#)

DNA(spec.)—CTHRC1 gene; seq.var. = ?

DNA(specification)—**CTLA4 gene;****sequence variation**

name of component: cytotoxic T-lymphocyte-associated protein 4

[NPU31999](#)

DNA(spec.)—CTLA4 gene; seq.var. = ?

DNA(specification)—**CTM gene;****sequence variation**

name of component: cataract, Marner

[NPU32000](#)

DNA(spec.)—CTM gene; seq.var. = ?

DNA(specification)—**CTNNA1 gene;****sequence variation**

name of component: catenin (cadherin-associated protein), alpha 1, 102 kDa

[NPU32001](#)

DNA(spec.)—CTNNA1 gene; seq.var. = ?

DNA(specification)—**CTNNA2 gene;****sequence variation**

name of component: catenin (cadherin-associated protein), alpha 2

[NPU32002](#)

DNA(spec.)—CTNNA2 gene; seq.var. = ?

DNA(specification)—**CTNNA3 gene;****sequence variation**

name of component: catenin (cadherin-associated protein), alpha 3

[NPU32003](#)

DNA(spec.)—CTNNA3 gene; seq.var. = ?

DNA(specification)—**CTNNAL1 gene;****sequence variation**

name of component: catenin (cadherin-associated protein), alpha-like 1

[NPU32004](#)

DNA(spec.)—CTNNAL1 gene; seq.var. = ?

DNA(specification)—**CTNNAP1 gene;****sequence variation**

name of component: catenin (cadherin-associated protein), alpha pseudogene 1

[NPU32005](#)

DNA(spec.)—CTNNAP1 gene; seq.var. = ?

DNA(specification)—**CTNNB1 gene;****sequence variation**

name of component: catenin (cadherin-associated protein), beta 1, 88 kDa

[NPU19051](#)

DNA(spec.)—CTNNB1 gene; seq.var. = ?

DNA(specification)—**CTNNBIP1 gene;****sequence variation**

name of component: catenin, beta interacting protein 1

[NPU44766](#)

DNA(spec.)—CTNNBIP1 gene; seq.var. = ?

DNA(specification)—**CTNNB1 gene;****sequence variation**

name of component: catenin, beta like 1

[NPU43969](#)

DNA(spec.)—CTNNB1 gene; seq.var. = ?

DNA(specification)—**CTNND1 gene;****sequence variation**

name of component: catenin (cadherin-associated protein), delta 1

[NPU32006](#)

DNA(spec.)—CTNND1 gene; seq.var. = ?

DNA(specification)—**CTNND2 gene;****sequence variation**

name of component: catenin (cadherin-associated protein), delta 2 (neural plakophilin-related arm-repeat protein)

[NPU32007](#)

DNA(spec.)—CTNND2 gene; seq.var. = ?

DNA(specification)—**CTNNG gene;****sequence variation**

name of component: catenin (cadherin-associated protein), gamma 80 kDa

[NPU32008](#)

DNA(spec.)—CTNNG gene; seq.var. = ?

DNA(specification)—**CTNS gene;****sequence variation**

name of component: cystinosis, nephropathic

[NPU19052](#)

DNA(spec.)—CTNS gene; seq.var. = ?

DNA(specification)—**CTPS gene;****sequence variation**

name of component: CTP synthase

[NPU32009](#)

DNA(spec.)—CTPS gene; seq.var. = ?

DNA(specification)—**CTPS2 gene;****sequence variation**

name of component: CTP synthase II

[NPU32010](#)

DNA(spec.)—CTPS2 gene; seq.var. = ?

DNA(specification)—**CTRB1 gene;****sequence variation**

name of component: chymotrypsinogen B1

[NPU32011](#)

DNA(spec.)—CTRB1 gene; seq.var. = ?

DNA(specification)—**CTRB2 gene;****sequence variation**

name of component: chymotrypsinogen B2

[NPU32012](#)

DNA(spec.)—CTRB2 gene; seq.var. = ?

DNA(specification)—**CTRC gene;****sequence variation**

name of component: chymotrypsin C (caldecrin)

[NPU32013](#)

DNA(spec.)—CTRC gene; seq.var. = ?

DNA(specification)—**CTRL gene;****sequence variation**

name of component: chymotrypsin-like

[NPU32014](#)

DNA(spec.)—CTRL gene; seq.var. = ?

DNA(specification)—**CTS1 gene;****sequence variation**

name of component: carpal tunnel syndrome 1

[NPU32015](#)

DNA(spec.)—CTS1 gene; seq.var. = ?

DNA(specification)—**CTSB gene;****sequence variation**

name of component: cathepsin B

[NPU32016](#)

DNA(spec.)—CTSB gene; seq.var. = ?

DNA(specification)—**CTSC gene;****sequence variation**

name of component: cathepsin C

[NPU32017](#)

DNA(spec.)—CTSC gene; seq.var. = ?

DNA(specification)—**CTSD gene;****sequence variation**

name of component: cathepsin D (lysosomal aspartyl protease)

[NPU32018](#)

DNA(spec.)—CTSD gene; seq.var. = ?

DNA(specification)—**CTSE gene;****sequence variation**

name of component: cathepsin E

[NPU32019](#)

DNA(spec.)—CTSE gene; seq.var. = ?

DNA(specification)— CTSF gene; sequence variation name of component: cathepsin F NPU32020 DNA(spec.)—CTSF gene; seq.var. = ?	DNA(specification)— CTSLL3 gene; sequence variation name of component: cathepsin L-like 3 NPU32028 DNA(spec.)—CTSLL3 gene; seq.var. = ?
DNA(specification)— CTSG gene; sequence variation name of component: cathepsin G NPU32021 DNA(spec.)—CTSG gene; seq.var. = ?	DNA(specification)— CTSO gene; sequence variation name of component: cathepsin O NPU32029 DNA(spec.)—CTSO gene; seq.var. = ?
DNA(specification)— CTSH gene; sequence variation name of component: cathepsin H NPU32022 DNA(spec.)—CTSH gene; seq.var. = ?	DNA(specification)— CTSS gene; sequence variation name of component: cathepsin S NPU32030 DNA(spec.)—CTSS gene; seq.var. = ?
DNA(specification)— CTSK gene; sequence variation name of component: cathepsin K (pseudomonas) NPU32023 DNA(spec.)—CTSK gene; seq.var. = ?	DNA(specification)— CTSW gene; sequence variation name of component: cathepsin W (lymphopain) NPU32031 DNA(spec.)—CTSW gene; seq.var. = ?
DNA(specification)— CTSL gene; sequence variation name of component: cathepsin L NPU32024 DNA(spec.)—CTSL gene; seq.var. = ?	DNA(specification)— CTSZ gene; sequence variation name of component: cathepsin Z NPU32032 DNA(spec.)—CTSZ gene; seq.var. = ?
DNA(specification)— CTSL2 gene; sequence variation name of component: cathepsin L2 NPU32025 DNA(spec.)—CTSL2 gene; seq.var. = ?	DNA(specification)— CTAA1 gene; sequence variation name of component: cataract, anterior polar 1 NPU31986 DNA(spec.)—CTAA1 gene; seq.var. = ?
DNA(specification)— CTSLL1 gene; sequence variation name of component: cathepsin L-like 1 NPU32026 DNA(spec.)—CTSLL1 gene; seq.var. = ?	DNA(specification)— CTAA2 gene; sequence variation name of component: cataract, anterior polar 2 NPU31987 DNA(spec.)—CTAA2 gene; seq.var. = ?
DNA(specification)— CTSLL2 gene; sequence variation name of component: cathepsin L-like 2 NPU32027 DNA(spec.)—CTSLL2 gene; seq.var. = ?	DNA(specification)— CUBN gene; sequence variation name of component: cubilin (intrinsic factor-cobalamin receptor) NPU32033 DNA(spec.)—CUBN gene; seq.var. = ?

DNA(specification)—
CUGBP1 gene;
sequence variation
 name of component: CUG triplet repeat, RNA binding protein 1
[NPU32034](#)
 DNA(spec.)—CUGBP1 gene; seq.var. = ?

DNA(specification)—
CUGBP2 gene;
sequence variation
 name of component: CUG triplet repeat, RNA binding protein 2
[NPU32035](#)
 DNA(spec.)—CUGBP2 gene; seq.var. = ?

DNA(specification)—
CUL1 gene;
sequence variation
 name of component: cullin 1
[NPU32036](#)
 DNA(spec.)—CUL1 gene; seq.var. = ?

DNA(specification)—
CUL2 gene;
sequence variation
 name of component: cullin 2
[NPU32037](#)
 DNA(spec.)—CUL2 gene; seq.var. = ?

DNA(specification)—
CUL3 gene;
sequence variation
 name of component: cullin 3
[NPU32038](#)
 DNA(spec.)—CUL3 gene; seq.var. = ?

DNA(specification)—
CUL4A gene;
sequence variation
 name of component: cullin 4A
[NPU32039](#)
 DNA(spec.)—CUL4A gene; seq.var. = ?

DNA(specification)—
CUL4B gene;
sequence variation
 name of component: cullin 4B
[NPU32040](#)
 DNA(spec.)—CUL4B gene; seq.var. = ?

DNA(specification)—
CUL5 gene;
sequence variation
 name of component: cullin 5
[NPU32041](#)
 DNA(spec.)—CUL5 gene; seq.var. = ?

DNA(specification)—
CUTL1 gene;
sequence variation
 name of component: cut-like 1, CCAAT displacement protein (Drosophila)
[NPU32042](#)
 DNA(spec.)—CUTL1 gene; seq.var. = ?

DNA(specification)—
CUTL2 gene;
sequence variation
 name of component: cut-like 2 (Drosophila)
[NPU46984](#)
 DNA(spec.)—CUTL2 gene; seq.var. = ?

DNA(specification)—
CX3CL1 gene;
sequence variation
 name of component: chemokine (C-X3-C motif) ligand 1
[NPU39798](#)
 DNA(spec.)—CX3CL1 gene; seq.var. = ?

DNA(specification)—
CX3CR1 gene;
sequence variation
 name of component: chemokine (C-X3-C motif) receptor 1
[NPU32043](#)
 DNA(spec.)—CX3CR1 gene; seq.var. = ?

DNA(specification)—
CXADR gene;
sequence variation
 name of component: coxsackie virus and adenovirus receptor
[NPU32044](#)
 DNA(spec.)—CXADR gene; seq.var. = ?

DNA(specification)—
CXB3S gene;
sequence variation
 name of component: coxsackie virus B3 sensitivity
[NPU32045](#)
 DNA(spec.)—CXB3S gene; seq.var. = ?

DNA(specification)—
CXCL1 gene;
sequence variation
 name of component: chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)
[NPU33715](#)
 DNA(spec.)—CXCL1 gene; seq.var. = ?

DNA(specification)—**CXCL10 gene;****sequence variation**

name of component: chemokine (C-X-C motif)
ligand 10

[NPU39789](#)

DNA(spec.)—CXCL10 gene; seq.var. = ?

DNA(specification)—**CXCL11 gene;****sequence variation**

name of component: chemokine (C-X-C motif)
ligand 11

[NPU39790](#)

DNA(spec.)—CXCL11 gene; seq.var. = ?

DNA(specification)—**CXCL12 gene;****sequence variation**

name of component: chemokine (C-X-C motif)
ligand 12 (stromal cell-derived factor 1)

[NPU39823](#)

DNA(spec.)—CXCL12 gene; seq.var. = ?

DNA(specification)—**CXCL13 gene;****sequence variation**

name of component: chemokine (C-X-C motif)
ligand 13 (B-cell chemoattractant)

[NPU39791](#)

DNA(spec.)—CXCL13 gene; seq.var. = ?

DNA(specification)—**CXCL14 gene;****sequence variation**

name of component: chemokine (C-X-C motif)
ligand 14

[NPU39792](#)

DNA(spec.)—CXCL14 gene; seq.var. = ?

DNA(specification)—**CXCL16 gene;****sequence variation**

name of component: chemokine (C-X-C motif)
ligand 16

[NPU44612](#)

DNA(spec.)—CXCL16 gene; seq.var. = ?

DNA(specification)—**CXCL1P gene;****sequence variation**

name of component: chemokine (C-X-C motif)
ligand 1 pseudogene

[NPU39793](#)

DNA(spec.)—CXCL1P gene; seq.var. = ?

DNA(specification)—**CXCL2 gene;****sequence variation**

name of component: chemokine (C-X-C motif)
ligand 2

[NPU33716](#)

DNA(spec.)—CXCL2 gene; seq.var. = ?

DNA(specification)—**CXCL3 gene;****sequence variation**

name of component: chemokine (C-X-C motif)
ligand 3

[NPU33717](#)

DNA(spec.)—CXCL3 gene; seq.var. = ?

DNA(specification)—**CXCL5 gene;****sequence variation**

name of component: chemokine (C-X-C motif)
ligand 5

[NPU39794](#)

DNA(spec.)—CXCL5 gene; seq.var. = ?

DNA(specification)—**CXCL6 gene;****sequence variation**

name of component: chemokine (C-X-C motif)
ligand 6 (granulocyte chemotactic protein 2)

[NPU39795](#)

DNA(spec.)—CXCL6 gene; seq.var. = ?

DNA(specification)—**CXCL9 gene;****sequence variation**

name of component: chemokine (C-X-C motif)
ligand 9

[NPU36821](#)

DNA(spec.)—CXCL9 gene; seq.var. = ?

DNA(specification)—**CXCR3 gene;****sequence variation**

name of component: chemokine (C-X-C motif)
receptor 3

[NPU33659](#)

DNA(spec.)—CXCR3 gene; seq.var. = ?

DNA(specification)—**CXCR4 gene;****sequence variation**

name of component: chemokine (C-X-C motif)
receptor 4

[NPU32046](#)

DNA(spec.)—CXCR4 gene; seq.var. = ?

DNA(specification)—**CXCR6 gene;****sequence variation**

name of component: chemokine (C-X-C motif)
receptor 6

[NPU44615](#)

DNA(spec.)—CXCR6 gene; seq.var. = ?

DNA(specification)—**CXorf1 gene;****sequence variation**

name of component: chromosome X open reading
frame 1

[NPU32047](#)

DNA(spec.)—CXorf1 gene; seq.var. = ?

DNA(specification)—**CXorf10 gene;****sequence variation**

name of component: chromosome X open reading
frame 10

[NPU44054](#)

DNA(spec.)—CXorf10 gene; seq.var. = ?

DNA(specification)—**CXorf12 gene;****sequence variation**

name of component: chromosome X open reading
frame 12

[NPU42277](#)

DNA(spec.)—CXorf12 gene; seq.var. = ?

DNA(specification)—**CXorf13 gene;****sequence variation**

name of component: chromosome X open reading
frame 13

[NPU44865](#)

DNA(spec.)—CXorf13 gene; seq.var. = ?

DNA(specification)—**CXorf15 gene;****sequence variation**

name of component: chromosome X open reading
frame 15

[NPU46546](#)

DNA(spec.)—CXorf15 gene; seq.var. = ?

DNA(specification)—**CXorf2 gene;****sequence variation**

name of component: chromosome X open reading
frame 2

[NPU32048](#)

DNA(spec.)—CXorf2 gene; seq.var. = ?

DNA(specification)—**CXorf3 gene;****sequence variation**

name of component: chromosome X open reading
frame 3

[NPU32049](#)

DNA(spec.)—CXorf3 gene; seq.var. = ?

DNA(specification)—**CXorf6 gene;****sequence variation**

name of component: chromosome X open reading
frame 6

[NPU32051](#)

DNA(spec.)—CXorf6 gene; seq.var. = ?

DNA(specification)—**CXorf9 gene;****sequence variation**

name of component: chromosome X open reading
frame 9

[NPU44053](#)

DNA(spec.)—CXorf9 gene; seq.var. = ?

DNA(specification)—**CXX1 gene;****sequence variation**

name of component: CAAX box 1

[NPU32052](#)

DNA(spec.)—CXX1 gene; seq.var. = ?

DNA(specification)—**CYB5 gene;****sequence variation**

name of component: cytochrome b-5

[NPU32053](#)

DNA(spec.)—CYB5 gene; seq.var. = ?

DNA(specification)—**CYB561 gene;****sequence variation**

name of component: cytochrome b-561

[NPU32054](#)

DNA(spec.)—CYB561 gene; seq.var. = ?

DNA(specification)—**CYB5P1 gene;****sequence variation**

name of component: cytochrome b-5 pseudogene 1

[NPU32055](#)

DNA(spec.)—CYB5P1 gene; seq.var. = ?

DNA(specification)—**CYB5P2 gene;****sequence variation**

name of component: cytochrome b-5 pseudogene 2

[NPU32056](#)

DNA(spec.)—CYB5P2 gene; seq.var. = ?

DNA(specification)—
CYB5P3 gene;
sequence variation
name of component: cytochrome b-5 pseudogene 3
[NPU32057](#)
DNA(spec.)—CYB5P3 gene; seq.var. = ?

DNA(specification)—
CYB5P4 gene;
sequence variation
name of component: cytochrome b-5 pseudogene 4
[NPU32058](#)
DNA(spec.)—CYB5P4 gene; seq.var. = ?

DNA(specification)—
CYB5P5 gene;
sequence variation
name of component: cytochrome b-5 pseudogene 5
[NPU32059](#)
DNA(spec.)—CYB5P5 gene; seq.var. = ?

DNA(specification)—
CYBA gene;
sequence variation
name of component: cytochrome b-245, alpha polypeptide
[NPU32060](#)
DNA(spec.)—CYBA gene; seq.var. = ?

DNA(specification)—
CYBB gene;
sequence variation
name of component: cytochrome b-245, beta polypeptide (chronic granulomatous disease)
[NPU32061](#)
DNA(spec.)—CYBB gene; seq.var. = ?

DNA(specification)—
CYC1 gene;
sequence variation
name of component: cytochrome c-1
[NPU32062](#)
DNA(spec.)—CYC1 gene; seq.var. = ?

DNA(specification)—
CYC1LP4 gene;
sequence variation
name of component: cytochrome c-1-like pseudogene 4
[NPU32063](#)
DNA(spec.)—CYC1LP4 gene; seq.var. = ?

DNA(specification)—
CYC1LP5 gene;
sequence variation
name of component: cytochrome c-1-like pseudogene 5
[NPU32064](#)
DNA(spec.)—CYC1LP5 gene; seq.var. = ?

DNA(specification)—
CYCS gene;
sequence variation
name of component: cytochrome c, somatic
[NPU47345](#)
DNA(spec.)—CYCS gene; seq.var. = ?

DNA(specification)—
CYFIP1 gene;
sequence variation
name of component: cytoplasmic FMR1 interacting protein 1
[NPU42314](#)
DNA(spec.)—CYFIP1 gene; seq.var. = ?

DNA(specification)—
CYFIP2 gene;
sequence variation
name of component: cytoplasmic FMR1 interacting protein 2
[NPU42315](#)
DNA(spec.)—CYFIP2 gene; seq.var. = ?

DNA(specification)—
CYGB gene;
sequence variation
name of component: cytoglobin
[NPU44494](#)
DNA(spec.)—CYGB gene; seq.var. = ?

DNA(specification)—
CYHR1 gene;
sequence variation
name of component: cysteine and histidine rich 1
[NPU46106](#)
DNA(spec.)—CYHR1 gene; seq.var. = ?

DNA(specification)—
CYLC1 gene;
sequence variation
name of component: cylicin, basic protein of sperm head cytoskeleton 1
[NPU32065](#)
DNA(spec.)—CYLC1 gene; seq.var. = ?

DNA(specification)—
CYLC2 gene;
sequence variation
name of component: cylicin, basic protein of sperm head cytoskeleton 2
[NPU32066](#)
DNA(spec.)—CYLC2 gene; seq.var. = ?

DNA(specification)—
CYLD gene;
sequence variation
name of component: cylindromatosis (turban tumor syndrome)
[NPU32067](#)
DNA(spec.)—CYLD gene; seq.var. = ?

DNA(specification)—**CYLN2 gene;****sequence variation**

name of component: cytoplasmic linker 2

[NPU32068](#)

DNA(spec.)—CYLN2 gene; seq.var. = ?

DNA(specification)—**CYMD gene;****sequence variation**

name of component: cystoid macular dystrophy

[NPU32069](#)

DNA(spec.)—CYMD gene; seq.var. = ?

DNA(specification)—**CYMP gene;****sequence variation**

name of component: chymosin pseudogene

[NPU32070](#)

DNA(spec.)—CYMP gene; seq.var. = ?

DNA(specification)—**CYorf1 gene;****sequence variation**

name of component: chromosome Y open reading frame 1

[NPU32071](#)

DNA(spec.)—CYorf1 gene; seq.var. = ?

DNA(specification)—**CYorf14 gene;****sequence variation**

name of component: chromosome Y open reading frame 14

[NPU46535](#)

DNA(spec.)—CYorf14 gene; seq.var. = ?

DNA(specification)—**CYorf15A gene;****sequence variation**

name of component: chromosome Y open reading frame 15A

[NPU46482](#)

DNA(spec.)—CYorf15A gene; seq.var. = ?

DNA(specification)—**CYorf15B gene;****sequence variation**

name of component: chromosome Y open reading frame 15B

[NPU46545](#)

DNA(spec.)—CYorf15B gene; seq.var. = ?

DNA(specification)—**CYorf16 gene;****sequence variation**

name of component: chromosome Y open reading frame 16

[NPU46701](#)

DNA(spec.)—CYorf16 gene; seq.var. = ?

DNA(specification)—**CYP11A1 gene;****sequence variation**

name of component: cytochrome P450, family 11, subfamily A, polypeptide 1

[NPU32072](#)

DNA(spec.)—CYP11A1 gene; seq.var. = ?

DNA(specification)—**CYP11B1 gene;****sequence variation**

name of component: cytochrome P450, family 11, subfamily B, polypeptide 1

[NPU32073](#)

DNA(spec.)—CYP11B1 gene; seq.var. = ?

DNA(specification)—**CYP11B2 gene;****sequence variation**

name of component: cytochrome P450, family 11, subfamily B, polypeptide 2

[NPU32074](#)

DNA(spec.)—CYP11B2 gene; seq.var. = ?

DNA(specification)—**CYP17A1 gene;****sequence variation**

name of component: cytochrome P450, family 17, subfamily A, polypeptide 1

[NPU32075](#)

DNA(spec.)—CYP17A1 gene; seq.var. = ?

DNA(specification)—**CYP19A1 gene;****sequence variation**

name of component: cytochrome P450, family 19, subfamily A, polypeptide 1

[NPU32076](#)

DNA(spec.)—CYP19A1 gene; seq.var. = ?

DNA(specification)—**CYP1A1 gene;****sequence variation**

name of component: cytochrome P450, family 1, subfamily A, polypeptide 1

[NPU32077](#)

DNA(spec.)—CYP1A1 gene; seq.var. = ?

DNA(specification)—**CYP1A2 gene;****sequence variation**

name of component: cytochrome P450, family 1, subfamily A, polypeptide 2

[NPU32078](#)

DNA(spec.)—CYP1A2 gene; seq.var. = ?

DNA(specification)—**CYP1B1 gene;****sequence variation**

name of component: cytochrome P450, family 1, subfamily B, polypeptide 1

[NPU32079](#)

DNA(spec.)—CYP1B1 gene; seq.var. = ?

DNA(specification)—**CYP20A1 gene;****sequence variation**

name of component: cytochrome P450, family 20, subfamily A, polypeptide 1

[NPU47670](#)

DNA(spec.)—CYP20A1 gene; seq.var. = ?

DNA(specification)—**CYP21A1P gene;****sequence variation**

name of component: cytochrome P450, family 21, subfamily A, polypeptide 1 pseudogene

[NPU32080](#)

DNA(spec.)—CYP21A1P gene; seq.var. = ?

DNA(specification)—**CYP21A2 gene;****sequence variation**

name of component: cytochrome P450, family 21, subfamily A, polypeptide 2

[NPU19053](#)

DNA(spec.)—CYP21A2 gene; seq.var. = ?

DNA(specification)—**CYP24A1 gene;****sequence variation**

name of component: cytochrome P450, family 24, subfamily A, polypeptide 1

[NPU32081](#)

DNA(spec.)—CYP24A1 gene; seq.var. = ?

DNA(specification)—**CYP26A1 gene;****sequence variation**

name of component: cytochrome P450, family 26, subfamily A, polypeptide 1

[NPU32082](#)

DNA(spec.)—CYP26A1 gene; seq.var. = ?

DNA(specification)—**CYP27A1 gene;****sequence variation**

name of component: cytochrome P450, family 27, subfamily A, polypeptide 1

[NPU32083](#)

DNA(spec.)—CYP27A1 gene; seq.var. = ?

DNA(specification)—**CYP27B1 gene;****sequence variation**

name of component: cytochrome P450, family 27, subfamily B, polypeptide 1

[NPU32084](#)

DNA(spec.)—CYP27B1 gene; seq.var. = ?

DNA(specification)—**CYP2A gene;****sequence variation**

name of component: cytochrome P450, family 2, subfamily A

[NPU32085](#)

DNA(spec.)—CYP2A gene; seq.var. = ?

DNA(specification)—**CYP2A13 gene;****sequence variation**

name of component: cytochrome P450, family 2, subfamily A, polypeptide 13

[NPU32086](#)

DNA(spec.)—CYP2A13 gene; seq.var. = ?

DNA(specification)—**CYP2A6 gene;****sequence variation**

name of component: cytochrome P450, family 2, subfamily A, polypeptide 6

[NPU32087](#)

DNA(spec.)—CYP2A6 gene; seq.var. = ?

DNA(specification)—**CYP2A7 gene;****sequence variation**

name of component: cytochrome P450, family 2, subfamily A, polypeptide 7

[NPU32088](#)

DNA(spec.)—CYP2A7 gene; seq.var. = ?

DNA(specification)—**CYP2A7P1 gene;****sequence variation**

name of component: cytochrome P450, family 2, subfamily A, polypeptide 7 pseudogene 1

[NPU32089](#)

DNA(spec.)—CYP2A7P1 gene; seq.var. = ?

DNA(specification)—**CYP2B gene;****sequence variation**

name of component: cytochrome P450, family 2, subfamily B

[NPU32090](#)

DNA(spec.)—CYP2B gene; seq.var. = ?

DNA(specification)—**CYP2B6 gene;****sequence variation**

name of component: cytochrome P450, family 2, subfamily B, polypeptide 6

[NPU32091](#)

DNA(spec.)—CYP2B6 gene; seq.var. = ?

DNA(specification)—**CYP2B7 gene;****sequence variation**

name of component: cytochrome P450, family 2, subfamily B, polypeptide 7 pseudogene

[NPU32092](#)

DNA(spec.)—CYP2B7 gene; seq.var. = ?

DNA(specification)—**CYP2C18 gene;****sequence variation**

name of component: cytochrome P450, family 2, subfamily C, polypeptide 18

[NPU32093](#)

DNA(spec.)—CYP2C18 gene; seq.var. = ?

DNA(specification)—**CYP2C19 gene;****sequence variation**

name of component: cytochrome P450, family 2, subfamily C, polypeptide 19

[NPU19309](#)

DNA(spec.)—CYP2C19 gene; seq.var. = ?

DNA(specification)—**CYP2C8 gene;****sequence variation**

name of component: cytochrome P450, family 2, subfamily C, polypeptide 8

[NPU32094](#)

DNA(spec.)—CYP2C8 gene; seq.var. = ?

DNA(specification)—**CYP2C9 gene;****sequence variation**

name of component: cytochrome P450, family 2, subfamily C, polypeptide 9

[NPU32095](#)

DNA(spec.)—CYP2C9 gene; seq.var. = ?

DNA(specification)—**CYP2D6 gene;****sequence variation**

name of component: cytochrome P450, family 2, subfamily D, polypeptide 6

[NPU19308](#)

DNA(spec.)—CYP2D6 gene; seq.var. = ?

DNA(specification)—**CYP2D7P1 gene;****sequence variation**

name of component: cytochrome P450, family 2, subfamily D, polypeptide 7 pseudogene 1

[NPU32096](#)

DNA(spec.)—CYP2D7P1 gene; seq.var. = ?

DNA(specification)—**CYP2D7P2 gene;****sequence variation**

name of component: cytochrome P450, family 2, subfamily D, polypeptide 7 pseudogene 2

[NPU32098](#)

DNA(spec.)—CYP2D7P2 gene; seq.var. = ?

DNA(specification)—**CYP2D8P1 gene;****sequence variation**

name of component: cytochrome P450, family 2, subfamily D, polypeptide 8 pseudogene 1

[NPU32099](#)

DNA(spec.)—CYP2D8P1 gene; seq.var. = ?

DNA(specification)—**CYP2D8P2 gene;****sequence variation**

name of component: cytochrome P450, family 2, subfamily D, polypeptide 8 pseudogene 2

[NPU32097](#)

DNA(spec.)—CYP2D8P2 gene; seq.var. = ?

DNA(specification)—**CYP2E1 gene;****sequence variation**

name of component: cytochrome P450, family 2, subfamily E, polypeptide 1

[NPU32100](#)

DNA(spec.)—CYP2E1 gene; seq.var. = ?

DNA(specification)—**CYP2F1 gene;****sequence variation**

name of component: cytochrome P450, family 2, subfamily F, polypeptide 1

[NPU32101](#)

DNA(spec.)—CYP2F1 gene; seq.var. = ?

DNA(specification)—**CYP2F1P gene;****sequence variation**

name of component: cytochrome P450, family 2, subfamily F, polypeptide 1 pseudogene

[NPU46704](#)

DNA(spec.)—CYP2F1P gene; seq.var. = ?

DNA(specification)—**CYP2G1 gene;****sequence variation**

name of component: cytochrome P450, family 2, subfamily G, polypeptide 1 pseudogene

[NPU32102](#)

DNA(spec.)—CYP2G1 gene; seq.var. = ?

DNA(specification)—**CYP2G2 gene;****sequence variation**

name of component: cytochrome P450, family 2, subfamily G, polypeptide 2

[NPU43802](#)

DNA(spec.)—CYP2G2 gene; seq.var. = ?

DNA(specification)—**CYP2J2 gene;****sequence variation**

name of component: cytochrome P450, family 2, subfamily J, polypeptide 2

[NPU32103](#)

DNA(spec.)—CYP2J2 gene; seq.var. = ?

DNA(specification)—**CYP2S1 gene;****sequence variation**

name of component: cytochrome P450, family 2, subfamily S, polypeptide 1

[NPU43803](#)

DNA(spec.)—CYP2S1 gene; seq.var. = ?

DNA(specification)—**CYP2T2P gene;****sequence variation**

name of component: cytochrome P450, family 2, subfamily T, polypeptide 2 pseudogene

[NPU46705](#)

DNA(spec.)—CYP2T2P gene; seq.var. = ?

DNA(specification)—**CYP2T3P gene;****sequence variation**

name of component: cytochrome P450, family 2, subfamily T, polypeptide 3 pseudogene

[NPU46706](#)

DNA(spec.)—CYP2T3P gene; seq.var. = ?

DNA(specification)—**CYP3A1 gene;****sequence variation**

name of component: cytochrome P450, family 39, subfamily A, polypeptide 1

[NPU46027](#)

DNA(spec.)—CYP3A1 gene; seq.var. = ?

DNA(specification)—**CYP3A gene;****sequence variation**

name of component: cytochrome P450, family 3, subfamily A

[NPU32104](#)

DNA(spec.)—CYP3A gene; seq.var. = ?

DNA(specification)—**CYP3A4 gene;****sequence variation**

name of component: cytochrome P450, family 3, subfamily A, polypeptide 4

[NPU32105](#)

DNA(spec.)—CYP3A4 gene; seq.var. = ?

DNA(specification)—**CYP3A43 gene;****sequence variation**

name of component: cytochrome P450, family 3, subfamily A, polypeptide 43

[NPU46028](#)

DNA(spec.)—CYP3A43 gene; seq.var. = ?

DNA(specification)—**CYP3A5 gene;****sequence variation**

name of component: cytochrome P450, family 3, subfamily A, polypeptide 5

[NPU32106](#)

DNA(spec.)—CYP3A5 gene; seq.var. = ?

DNA(specification)—**CYP3A5P1 gene;****sequence variation**

name of component: cytochrome P450, family 3, subfamily A, polypeptide 5 pseudogene 1

[NPU32107](#)

DNA(spec.)—CYP3A5P1 gene; seq.var. = ?

DNA(specification)—**CYP3A5P2 gene;****sequence variation**

name of component: cytochrome P450, family 3, subfamily A, polypeptide 5 pseudogene 2

[NPU46703](#)

DNA(spec.)—CYP3A5P2 gene; seq.var. = ?

DNA(specification)—**CYP3A7 gene;****sequence variation**

name of component: cytochrome P450, family 3, subfamily A, polypeptide 7

[NPU32108](#)

DNA(spec.)—CYP3A7 gene; seq.var. = ?

DNA(specification)—**CYP46A1 gene;****sequence variation**

name of component: cytochrome P450, family 46, subfamily A, polypeptide 1

[NPU32109](#)

DNA(spec.)—CYP46A1 gene; seq.var. = ?

DNA(specification)—**CYP4A11 gene;****sequence variation**

name of component: cytochrome P450, family 4, subfamily A, polypeptide 11

[NPU32110](#)

DNA(spec.)—CYP4A11 gene; seq.var. = ?

DNA(specification)—**CYP4B1 gene;****sequence variation**

name of component: cytochrome P450, family 4, subfamily B, polypeptide 1

[NPU32111](#)

DNA(spec.)—CYP4B1 gene; seq.var. = ?

DNA(specification)—**CYP4F11 gene;****sequence variation**

name of component: cytochrome P450, family 4, subfamily F, polypeptide 11

[NPU42071](#)

DNA(spec.)—CYP4F11 gene; seq.var. = ?

DNA(specification)—**CYP4F12 gene;****sequence variation**

name of component: cytochrome P450, family 4, subfamily F, polypeptide 12

[NPU46707](#)

DNA(spec.)—CYP4F12 gene; seq.var. = ?

DNA(specification)—**CYP4F2 gene;****sequence variation**

name of component: cytochrome P450, family 4, subfamily F, polypeptide 2

[NPU32112](#)

DNA(spec.)—CYP4F2 gene; seq.var. = ?

DNA(specification)—**CYP4F3 gene;****sequence variation**

name of component: cytochrome P450, family 4, subfamily F, polypeptide 3

[NPU32113](#)

DNA(spec.)—CYP4F3 gene; seq.var. = ?

DNA(specification)—**CYP4F3LP gene;****sequence variation**

name of component: cytochrome P450, family 4, subfamily F, polypeptide 3-like pseudogene

[NPU32114](#)

DNA(spec.)—CYP4F3LP gene; seq.var. = ?

DNA(specification)—**CYP4F8 gene;****sequence variation**

name of component: cytochrome P450, family 4, subfamily F, polypeptide 8

[NPU32115](#)

DNA(spec.)—CYP4F8 gene; seq.var. = ?

DNA(specification)—**CYP51A1 gene;****sequence variation**

name of component: cytochrome P450, family 51, subfamily A, polypeptide 1

[NPU32116](#)

DNA(spec.)—CYP51A1 gene; seq.var. = ?

DNA(specification)—**CYP7A1 gene;****sequence variation**

name of component: cytochrome P450, family 7, subfamily A, polypeptide 1

[NPU32117](#)

DNA(spec.)—CYP7A1 gene; seq.var. = ?

DNA(specification)—**CYP7B1 gene;****sequence variation**

name of component: cytochrome P450, family 7, subfamily B, polypeptide 1

[NPU32118](#)

DNA(spec.)—CYP7B1 gene; seq.var. = ?

DNA(specification)—**CYP8B1 gene;****sequence variation**

name of component: cytochrome P450, family 8, subfamily B, polypeptide 1

[NPU32119](#)

DNA(spec.)—CYP8B1 gene; seq.var. = ?

DNA(specification)—**CYR61 gene;****sequence variation**

name of component: cysteine-rich, angiogenic inducer, 61

[NPU32120](#)

DNA(spec.)—CYR61 gene; seq.var. = ?

DNA(specification)—**CYSLTR1 gene;****sequence variation**

name of component: cysteinyl leukotriene receptor 1

[NPU46029](#)

DNA(spec.)—CYSLTR1 gene; seq.var. = ?

DNA(specification)—**CYSLTR2 gene;****sequence variation**

name of component: cysteinyl leukotriene receptor 2

[NPU46374](#)

DNA(spec.)—CYSLTR2 gene; seq.var. = ?

DNA(specification)—**CYYR1 gene;****sequence variation**

name of component: cysteine and tyrosine-rich 1

[NPU44311](#)

DNA(spec.)—CYYR1 gene; seq.var. = ?

DNA(specification)—**CZP2 gene;****sequence variation**

name of component: cataract, zonular pulverulent 2

[NPU32121](#)

DNA(spec.)—CZP2 gene; seq.var. = ?

DNA(specification)—**DAB1 gene;****sequence variation**

name of component: disabled homolog 1 (Drosophila)

[NPU32122](#)

DNA(spec.)—DAB1 gene; seq.var. = ?

DNA(specification)—**DAB2 gene;****sequence variation**

name of component: disabled homolog 2, mitogen-responsive phosphoprotein (Drosophila)

[NPU32123](#)

DNA(spec.)—DAB2 gene; seq.var. = ?

DNA(specification)—**DAB2IP gene;****sequence variation**

name of component: DAB2 interacting protein

[NPU44957](#)

DNA(spec.)—DAB2IP gene; seq.var. = ?

DNA(specification)—**DACH gene;****sequence variation**

name of component: dachshund homolog (Drosophila)

[NPU32124](#)

DNA(spec.)—DACH gene; seq.var. = ?

DNA(specification)—**DACH2 gene;****sequence variation**

name of component: dachshund homolog 2 (Drosophila)

[NPU44713](#)

DNA(spec.)—DACH2 gene; seq.var. = ?

DNA(specification)—**DACT1 gene;****sequence variation**

name of component: dapper homolog 1, antagonist of beta-catenin (xenopus)

[NPU46086](#)

DNA(spec.)—DACT1 gene; seq.var. = ?

DNA(specification)—**DAD1 gene;****sequence variation**

name of component: defender against cell death 1

[NPU32125](#)

DNA(spec.)—DAD1 gene; seq.var. = ?

DNA(specification)—**DAF gene;****sequence variation**

name of component: decay accelerating factor for complement (CD55, Cromer blood group system)

[NPU32126](#)

DNA(spec.)—DAF gene; seq.var. = ?

DNA(specification)—**DAG1 gene;****sequence variation**

name of component: dystroglycan 1 (dystrophin-associated glycoprotein 1)

[NPU32127](#)

DNA(spec.)—DAG1 gene; seq.var. = ?

DNA(specification)—**DAO gene;****sequence variation**

name of component: D-amino-acid oxidase

[NPU32128](#)

DNA(spec.)—DAO gene; seq.var. = ?

DNA(specification)—**DAP gene;****sequence variation**

name of component: death-associated protein

[NPU32129](#)

DNA(spec.)—DAP gene; seq.var. = ?

DNA(specification)—**DAP3 gene;****sequence variation**

name of component: death associated protein 3

[NPU32130](#)

DNA(spec.)—DAP3 gene; seq.var. = ?

DNA(specification)—**DAPK1 gene;****sequence variation**

name of component: death-associated protein kinase 1

[NPU32131](#)

DNA(spec.)—DAPK1 gene; seq.var. = ?

DNA(specification)—**DAPK2 gene;****sequence variation**

name of component: death-associated protein kinase 2

[NPU32132](#)

DNA(spec.)—DAPK2 gene; seq.var. = ?

DNA(specification)—**DAPK3 gene;****sequence variation**

name of component: death-associated protein kinase 3

[NPU32133](#)

DNA(spec.)—DAPK3 gene; seq.var. = ?

DNA(specification)—**DAPP1 gene;****sequence variation**

name of component: dual adaptor of phosphotyrosine and 3-phosphoinositides

[NPU44490](#)

DNA(spec.)—DAPP1 gene; seq.var. = ?

DNA(specification)—**DARS gene;****sequence variation**

name of component: aspartyl-tRNA synthetase

[NPU32134](#)

DNA(spec.)—DARS gene; seq.var. = ?

DNA(specification)—**DATF1 gene;****sequence variation**

name of component: death associated transcription factor 1

[NPU32135](#)

DNA(spec.)—DATF1 gene; seq.var. = ?

DNA(specification)—**DAXX gene;****sequence variation**

name of component: death-associated protein 6

[NPU32136](#)

DNA(spec.)—DAXX gene; seq.var. = ?

DNA(specification)—**DAZ gene;****sequence variation**

name of component: deleted in azoospermia

[NPU19055](#)

DNA(spec.)—DAZ gene; seq.var. = ?

DNA(specification)—**DAZ2 gene;****sequence variation**

name of component: deleted in azoospermia 2

[NPU44042](#)

DNA(spec.)—DAZ2 gene; seq.var. = ?

DNA(specification)—**DAZ3 gene;****sequence variation**

name of component: deleted in azoospermia 3

[NPU44043](#)

DNA(spec.)—DAZ3 gene; seq.var. = ?

DNA(specification)—**DAZ4 gene;****sequence variation**

name of component: deleted in azoospermia 4

[NPU44044](#)

DNA(spec.)—DAZ4 gene; seq.var. = ?

DNA(specification)—**DAZAP1 gene;****sequence variation**

name of component: DAZ associated protein 1

[NPU32137](#)

DNA(spec.)—DAZAP1 gene; seq.var. = ?

DNA(specification)—**DAZAP2 gene;****sequence variation**

name of component: DAZ associated protein 2

[NPU32138](#)

DNA(spec.)—DAZAP2 gene; seq.var. = ?

DNA(specification)—**DAZL gene;****sequence variation**

name of component: deleted in azoospermia-like

[NPU32139](#)

DNA(spec.)—DAZL gene; seq.var. = ?

DNA(specification)—**DBC1 gene;****sequence variation**

name of component: deleted in bladder cancer 1

[NPU32140](#)

DNA(spec.)—DBC1 gene; seq.var. = ?

DNA(specification)—**DBCCR1 gene;****sequence variation**name of component: deleted in bladder cancer
chromosome region candidate 1[NPU32141](#)

DNA(spec.)—DBCCR1 gene; seq.var. = ?

DNA(specification)—**DBH gene;****sequence variation**name of component: dopamine beta-hydroxylase
(dopamine beta-monooxygenase)[NPU32142](#)

DNA(spec.)—DBH gene; seq.var. = ?

DNA(specification)—**DBI gene;****sequence variation**name of component: diazepam binding inhibitor
(GABA receptor modulator, acyl-Coenzyme A
binding protein)[NPU32143](#)

DNA(spec.)—DBI gene; seq.var. = ?

DNA(specification)—**DBIL1 gene;****sequence variation**name of component: diazepam binding inhibitor-
like 1[NPU32144](#)

DNA(spec.)—DBIL1 gene; seq.var. = ?

DNA(specification)—**DBIL2 gene;****sequence variation**name of component: diazepam binding inhibitor-
like 2 (a pseudogene)[NPU32145](#)

DNA(spec.)—DBIL2 gene; seq.var. = ?

DNA(specification)—**DBIL3 gene;****sequence variation**name of component: diazepam binding inhibitor-
like 3[NPU32146](#)

DNA(spec.)—DBIL3 gene; seq.var. = ?

DNA(specification)—**DBIL4 gene;****sequence variation**name of component: diazepam binding inhibitor-
like 4[NPU32147](#)

DNA(spec.)—DBIL4 gene; seq.var. = ?

DNA(specification)—**DBN1 gene;****sequence variation**

name of component: drebrin 1

[NPU32148](#)

DNA(spec.)—DBN1 gene; seq.var. = ?

DNA(specification)—**DBNL gene;****sequence variation**

name of component: drebrin-like

[NPU32149](#)

DNA(spec.)—DBNL gene; seq.var. = ?

DNA(specification)—**DBP gene;****sequence variation**name of component: D site of albumin promoter
(albumin D-box) binding protein[NPU32150](#)

DNA(spec.)—DBP gene; seq.var. = ?

DNA(specification)—**DBR1 gene;****sequence variation**name of component: debranching enzyme homolog
1 (*S. cerevisiae*)[NPU43768](#)

DNA(spec.)—DBR1 gene; seq.var. = ?

DNA(specification)—**DBT gene;****sequence variation**name of component: dihydrolipoamide branched
chain transacylase (E2 component of branched
chain keto acid dehydrogenase complex; maple
syrup urine disease)[NPU19056](#)

DNA(spec.)—DBT gene; seq.var. = ?

DNA(specification)—**DBY gene;****sequence variation**name of component: DEAD/H (Asp-Glu-Ala-
Asp/His) box polypeptide, Y chromosome[NPU32151](#)

DNA(spec.)—DBY gene; seq.var. = ?

DNA(specification)—**DCAMKL1 gene;****sequence variation**

name of component: doublecortin and CaM kinase-like 1

[NPU32152](#)

DNA(spec.)—DCAMKL1 gene; seq.var. = ?

DNA(specification)—**DCC gene;****sequence variation**

name of component: deleted in colorectal carcinoma

[NPU19057](#)

DNA(spec.)—DCC gene; seq.var. = ?

DNA(specification)—**DCD gene;****sequence variation**

name of component: dermcidin

[NPU42933](#)

DNA(spec.)—DCD gene; seq.var. = ?

DNA(specification)—**DCDC1 gene;****sequence variation**

name of component: doublecortin domain containing 1

[NPU47686](#)

DNA(spec.)—DCDC1 gene; seq.var. = ?

DNA(specification)—**DCDC2 gene;****sequence variation**

name of component: doublecortin domain containing 2

[NPU46319](#)

DNA(spec.)—DCDC2 gene; seq.var. = ?

DNA(specification)—**DCE gene;****sequence variation**

name of component: desmosterol-to-cholesterol enzyme

[NPU32153](#)

DNA(spec.)—DCE gene; seq.var. = ?

DNA(specification)—**DCI gene;****sequence variation**

name of component: dodecenoyl-Coenzyme A delta isomerase (3,2 trans-enoyl-Coenzyme A isomerase)

[NPU32154](#)

DNA(spec.)—DCI gene; seq.var. = ?

DNA(specification)—**DCK gene;****sequence variation**

name of component: deoxycytidine kinase

[NPU32155](#)

DNA(spec.)—DCK gene; seq.var. = ?

DNA(specification)—**DCLRE1A gene;****sequence variation**

name of component: DNA cross-link repair 1A (PSO2 homolog, *S. cerevisiae*)

[NPU46069](#)

DNA(spec.)—DCLRE1A gene; seq.var. = ?

DNA(specification)—**DCLRE1B gene;****sequence variation**

name of component: DNA cross-link repair 1B (PSO2 homolog, *S. cerevisiae*)

[NPU46063](#)

DNA(spec.)—DCLRE1B gene; seq.var. = ?

DNA(specification)—**DCLRE1C gene;****sequence variation**

name of component: DNA cross-link repair 1C (PSO2 homolog, *S. cerevisiae*)

[NPU46064](#)

DNA(spec.)—DCLRE1C gene; seq.var. = ?

DNA(specification)—**DCN gene;****sequence variation**

name of component: decorin

[NPU32156](#)

DNA(spec.)—DCN gene; seq.var. = ?

DNA(specification)—**DCR gene;****sequence variation**

name of component: Down syndrome chromosome region

[NPU32158](#)

DNA(spec.)—DCR gene; seq.var. = ?

DNA(specification)—**DCT gene;****sequence variation**

name of component: dopachrome tautomerase (dopachrome delta-isomerase, tyrosine-related protein 2)

[NPU32159](#)

DNA(spec.)—DCT gene; seq.var. = ?

DNA(specification)—**DCTD gene;****sequence variation**

name of component: dCMP deaminase

[NPU32160](#)

DNA(spec.)—DCTD gene; seq.var. = ?

DNA(specification)—**DCTN1 gene;****sequence variation**

name of component: dynactin 1 (p150, glued homolog, Drosophila)

[NPU32161](#)

DNA(spec.)—DCTN1 gene; seq.var. = ?

DNA(specification)—**DCTN2 gene;****sequence variation**

name of component: dynactin 2 (p50)

[NPU32162](#)

DNA(spec.)—DCTN2 gene; seq.var. = ?

DNA(specification)—**DCTN3 gene;****sequence variation**

name of component: dynactin 3 (p22)

[NPU32163](#)

DNA(spec.)—DCTN3 gene; seq.var. = ?

DNA(specification)—**DCTN4 gene;****sequence variation**

name of component: dynactin 4 (p62)

[NPU43715](#)

DNA(spec.)—DCTN4 gene; seq.var. = ?

DNA(specification)—**DCTN6 gene;****sequence variation**

name of component: dynactin 6

[NPU44792](#)

DNA(spec.)—DCTN6 gene; seq.var. = ?

DNA(specification)—**DCX gene;****sequence variation**

name of component: doublecortex; lissencephaly, X-linked (doublecortin)

[NPU32164](#)

DNA(spec.)—DCX gene; seq.var. = ?

DNA(specification)—**DCXR gene;****sequence variation**

name of component: dicarbonyl/L-xylulose reductase

[NPU46802](#)

DNA(spec.)—DCXR gene; seq.var. = ?

DNA(specification)—**DDAH1 gene;****sequence variation**

name of component: dimethylarginine dimethylaminohydrolase 1

[NPU32165](#)

DNA(spec.)—DDAH1 gene; seq.var. = ?

DNA(specification)—**DDAH2 gene;****sequence variation**

name of component: dimethylarginine dimethylaminohydrolase 2

[NPU32166](#)

DNA(spec.)—DDAH2 gene; seq.var. = ?

DNA(specification)—**DDB1 gene;****sequence variation**

name of component: damage-specific DNA binding protein 1, 127 kDa

[NPU32167](#)

DNA(spec.)—DDB1 gene; seq.var. = ?

DNA(specification)—**DDB2 gene;****sequence variation**

name of component: damage-specific DNA binding protein 2, 48 kDa

[NPU32168](#)

DNA(spec.)—DDB2 gene; seq.var. = ?

DNA(specification)—**DDC gene;****sequence variation**

name of component: dopa decarboxylase (aromatic L-amino acid decarboxylase)

[NPU32169](#)

DNA(spec.)—DDC gene; seq.var. = ?

DNA(specification)—**DDEF1 gene;****sequence variation**

name of component: development and differentiation enhancing factor 1

[NPU32170](#)

DNA(spec.)—DDEF1 gene; seq.var. = ?

DNA(specification)—**DDEF2 gene;****sequence variation**

name of component: development and differentiation enhancing factor 2

[NPU32171](#)

DNA(spec.)—DDEF2 gene; seq.var. = ?

DNA(specification)—**DDEFL1 gene;****sequence variation**

name of component: development and differentiation enhancing factor-like 1

[NPU43224](#)

DNA(spec.)—DDEFL1 gene; seq.var. = ?

DNA(specification)—**DDHD1 gene;****sequence variation**

name of component: DDHD domain containing 1

[NPU47163](#)

DNA(spec.)—DDHD1 gene; seq.var. = ?

DNA(specification)—**DDIT1L gene;****sequence variation**

name of component: DNA-damage-inducible transcript 1-like

[NPU32172](#)

DNA(spec.)—DDIT1L gene; seq.var. = ?

DNA(specification)—**DDIT3 gene;****sequence variation**

name of component: DNA-damage-inducible transcript 3

[NPU32173](#)

DNA(spec.)—DDIT3 gene; seq.var. = ?

DNA(specification)—**DDO gene;****sequence variation**

name of component: D-aspartate oxidase

[NPU32174](#)

DNA(spec.)—DDO gene; seq.var. = ?

DNA(specification)—**DDOST gene;****sequence variation**

name of component: dolichyl-diphosphooligosaccharide-protein glycosyltransferase

[NPU32175](#)

DNA(spec.)—DDOST gene; seq.var. = ?

DNA(specification)—**DDR1 gene;****sequence variation**

name of component: discoidin domain receptor family, member 1

[NPU32176](#)

DNA(spec.)—DDR1 gene; seq.var. = ?

DNA(specification)—**DDR2 gene;****sequence variation**

name of component: discoidin domain receptor family, member 2

[NPU32177](#)

DNA(spec.)—DDR2 gene; seq.var. = ?

DNA(specification)—**DDT gene;****sequence variation**

name of component: D-dopachrome tautomerase

[NPU32178](#)

DNA(spec.)—DDT gene; seq.var. = ?

DNA(specification)—**DDU gene;****sequence variation**

name of component: dermo-distortive urticaria

[NPU32179](#)

DNA(spec.)—DDU gene; seq.var. = ?

DNA(specification)—**DDX1 gene;****sequence variation**

name of component: DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 1

[NPU32180](#)

DNA(spec.)—DDX1 gene; seq.var. = ?

DNA(specification)—**DDX10 gene;****sequence variation**

name of component: DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 10 (RNA helicase)

[NPU32181](#)

DNA(spec.)—DDX10 gene; seq.var. = ?

DNA(specification)—**DDX11 gene;****sequence variation**

name of component: DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 11 (CHL1-like helicase homolog, *S. cerevisiae*)

[NPU32182](#)

DNA(spec.)—DDX11 gene; seq.var. = ?

DNA(specification)—**DDX11P gene;****sequence variation**

name of component: DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 11 pseudogene

[NPU42524](#)

DNA(spec.)—DDX11P gene; seq.var. = ?

DNA(specification)—**DDX12 gene;****sequence variation**

name of component: DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 12 (CHL1-like helicase homolog, *S. cerevisiae*)

[NPU32183](#)

DNA(spec.)—DDX12 gene; seq.var. = ?

DNA(specification)—**DDX15 gene;****sequence variation**

name of component: DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 15

[NPU32184](#)

DNA(spec.)—DDX15 gene; seq.var. = ?

DNA(specification)—**DDX16 gene;****sequence variation**

name of component: DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 16

[NPU32185](#)

DNA(spec.)—DDX16 gene; seq.var. = ?

DNA(specification)—**DDX17 gene;****sequence variation**

name of component: DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 17, 72 kDa

[NPU32186](#)

DNA(spec.)—DDX17 gene; seq.var. = ?

DNA(specification)—**DDX18 gene;****sequence variation**

name of component: DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 18 (Myc-regulated)

[NPU32187](#)

DNA(spec.)—DDX18 gene; seq.var. = ?

DNA(specification)—**DDX18P1 gene;****sequence variation**

name of component: DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 18 pseudogene 1

[NPU47351](#)

DNA(spec.)—DDX18P1 gene; seq.var. = ?

DNA(specification)—**DDX19 gene;****sequence variation**

name of component: DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 19 (DBP5 homolog, yeast)

[NPU32188](#)

DNA(spec.)—DDX19 gene; seq.var. = ?

DNA(specification)—**DDX20 gene;****sequence variation**

name of component: DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 20, 103 kDa

[NPU32189](#)

DNA(spec.)—DDX20 gene; seq.var. = ?

DNA(specification)—**DDX21 gene;****sequence variation**

name of component: DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 21

[NPU32190](#)

DNA(spec.)—DDX21 gene; seq.var. = ?

DNA(specification)—**DDX24 gene;****sequence variation**

name of component: DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 24

[NPU42072](#)

DNA(spec.)—DDX24 gene; seq.var. = ?

DNA(specification)—**DDX25 gene;****sequence variation**

name of component: DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 25

[NPU46623](#)

DNA(spec.)—DDX25 gene; seq.var. = ?

DNA(specification)—**DDX26 gene;****sequence variation**

name of component: DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 26

[NPU43134](#)

DNA(spec.)—DDX26 gene; seq.var. = ?

DNA(specification)—**DDX27 gene;****sequence variation**

name of component: DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 27

[NPU43934](#)

DNA(spec.)—DDX27 gene; seq.var. = ?

DNA(specification)—**DDX28 gene;****sequence variation**

name of component: DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 28

[NPU44982](#)

DNA(spec.)—DDX28 gene; seq.var. = ?

DNA(specification)—**DDX29 gene;****sequence variation**

name of component: DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 29

[NPU43921](#)

DNA(spec.)—DDX29 gene; seq.var. = ?

DNA(specification)—**DDX3 gene;****sequence variation**

name of component: DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 3

[NPU32191](#)

DNA(spec.)—DDX3 gene; seq.var. = ?

DNA(specification)—**DDX30 gene;****sequence variation**

name of component: DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 30

[NPU44657](#)

DNA(spec.)—DDX30 gene; seq.var. = ?

DNA(specification)—**DDX31 gene;****sequence variation**

name of component: DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 31

[NPU44656](#)

DNA(spec.)—DDX31 gene; seq.var. = ?

DNA(specification)—**DDX32 gene;****sequence variation**

name of component: DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 32

[NPU44658](#)

DNA(spec.)—DDX32 gene; seq.var. = ?

DNA(specification)—**DDX33 gene;****sequence variation**

name of component: DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 33

[NPU44659](#)

DNA(spec.)—DDX33 gene; seq.var. = ?

DNA(specification)—**DDX34 gene;****sequence variation**

name of component: DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 34

[NPU44660](#)

DNA(spec.)—DDX34 gene; seq.var. = ?

DNA(specification)—**DDX35 gene;****sequence variation**

name of component: DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 35

[NPU43952](#)

DNA(spec.)—DDX35 gene; seq.var. = ?

DNA(specification)—**DDX36 gene;****sequence variation**

name of component: DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 36

[NPU42734](#)

DNA(spec.)—DDX36 gene; seq.var. = ?

DNA(specification)—**DDX37 gene;****sequence variation**

name of component: DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 37

[NPU44919](#)

DNA(spec.)—DDX37 gene; seq.var. = ?

DNA(specification)—**DDX38 gene;****sequence variation**

name of component: DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 38

[NPU44920](#)

DNA(spec.)—DDX38 gene; seq.var. = ?

DNA(specification)—**DDX39 gene;****sequence variation**

name of component: DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 39

[NPU46119](#)

DNA(spec.)—DDX39 gene; seq.var. = ?

DNA(specification)—**DDX4 gene;****sequence variation**

name of component: DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 4

[NPU46625](#)

DNA(spec.)—DDX4 gene; seq.var. = ?

DNA(specification)—**DDX40 gene;****sequence variation**

name of component: DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 40 (RNA helicase)

[NPU46233](#)

DNA(spec.)—DDX40 gene; seq.var. = ?

DNA(specification)—**DDX5 gene;****sequence variation**

name of component: DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 5 (RNA helicase, 68 kDa)

[NPU32192](#)

DNA(spec.)—DDX5 gene; seq.var. = ?

DNA(specification)—**DDX6 gene;****sequence variation**

name of component: DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 6 (RNA helicase, 54 kDa)

[NPU32193](#)

DNA(spec.)—DDX6 gene; seq.var. = ?

DNA(specification)—**DDX7 gene;****sequence variation**

name of component: DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 7 (RNA helicase, 52 kDa)

[NPU32194](#)

DNA(spec.)—DDX7 gene; seq.var. = ?

DNA(specification)—**DDX8 gene;****sequence variation**

name of component: DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 8 (RNA helicase)

[NPU32195](#)

DNA(spec.)—DDX8 gene; seq.var. = ?

DNA(specification)—**DDX9 gene;****sequence variation**

name of component: DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 9 (RNA helicase A, nuclear DNA helicase II; leukophysin)

[NPU32196](#)

DNA(spec.)—DDX9 gene; seq.var. = ?

DNA(specification)—**DDX9P gene;****sequence variation**

name of component: DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 9 (RNA helicase A) pseudogene

[NPU32197](#)

DNA(spec.)—DDX9P gene; seq.var. = ?

DNA(specification)—**DEAF1 gene;****sequence variation**

name of component: deformed epidermal autoregulatory factor 1 (Drosophila)

[NPU42940](#)

DNA(spec.)—DEAF1 gene; seq.var. = ?

DNA(specification)—**DECRI gene;****sequence variation**

name of component: 2,4-dienoyl CoA reductase 1, mitochondrial

[NPU32199](#)

DNA(spec.)—DECRI gene; seq.var. = ?

DNA(specification)—**DECRI2 gene;****sequence variation**

name of component: 2,4-dienoyl CoA reductase 2, peroxisomal

[NPU32200](#)

DNA(spec.)—DECRI2 gene; seq.var. = ?

DNA(specification)—**DEDD gene;****sequence variation**

name of component: death effector domain containing

[NPU32201](#)

DNA(spec.)—DEDD gene; seq.var. = ?

DNA(specification)—**DEF6 gene;****sequence variation**

name of component: differentially expressed in FDCP 6 homolog (mouse)

[NPU32202](#)

DNA(spec.)—DEF6 gene; seq.var. = ?

DNA(specification)—**DEFA1 gene;****sequence variation**

name of component: defensin, alpha 1, myeloid-related sequence

[NPU32203](#)

DNA(spec.)—DEFA1 gene; seq.var. = ?

DNA(specification)—**DEFA3 gene;****sequence variation**

name of component: defensin, alpha 3, neutrophil-specific

[NPU32204](#)

DNA(spec.)—DEFA3 gene; seq.var. = ?

DNA(specification)—**DEFA4 gene;****sequence variation**

name of component: defensin, alpha 4, corticostatin

[NPU32205](#)

DNA(spec.)—DEFA4 gene; seq.var. = ?

DNA(specification)—
DEFA5 gene;
sequence variation
name of component: defensin, alpha 5, Paneth cell-specific
[NPU32206](#)
DNA(spec.)—DEFA5 gene; seq.var. = ?

DNA(specification)—
DEFA6 gene;
sequence variation
name of component: defensin, alpha 6, Paneth cell-specific
[NPU32207](#)
DNA(spec.)—DEFA6 gene; seq.var. = ?

DNA(specification)—
DEFB1 gene;
sequence variation
name of component: defensin, beta 1
[NPU32208](#)
DNA(spec.)—DEFB1 gene; seq.var. = ?

DNA(specification)—
DEFB103 gene;
sequence variation
name of component: defensin, beta 103
[NPU44045](#)
DNA(spec.)—DEFB103 gene; seq.var. = ?

DNA(specification)—
DEFB104 gene;
sequence variation
name of component: defensin, beta 104
[NPU46303](#)
DNA(spec.)—DEFB104 gene; seq.var. = ?

DNA(specification)—
DEFB105 gene;
sequence variation
name of component: defensin, beta 105
[NPU46276](#)
DNA(spec.)—DEFB105 gene; seq.var. = ?

DNA(specification)—
DEFB106 gene;
sequence variation
name of component: defensin, beta 106
[NPU46277](#)
DNA(spec.)—DEFB106 gene; seq.var. = ?

DNA(specification)—
DEFB107 gene;
sequence variation
name of component: defensin, beta 107
[NPU46275](#)
DNA(spec.)—DEFB107 gene; seq.var. = ?

DNA(specification)—
DEFB108 gene;
sequence variation
name of component: defensin, beta 108
[NPU46278](#)
DNA(spec.)—DEFB108 gene; seq.var. = ?

DNA(specification)—
DEFB109 gene;
sequence variation
name of component: defensin, beta 109
[NPU46279](#)
DNA(spec.)—DEFB109 gene; seq.var. = ?

DNA(specification)—
DEFB110 gene;
sequence variation
name of component: defensin, beta 110
[NPU46280](#)
DNA(spec.)—DEFB110 gene; seq.var. = ?

DNA(specification)—
DEFB111 gene;
sequence variation
name of component: defensin, beta 111
[NPU46281](#)
DNA(spec.)—DEFB111 gene; seq.var. = ?

DNA(specification)—
DEFB112 gene;
sequence variation
name of component: defensin, beta 112
[NPU46282](#)
DNA(spec.)—DEFB112 gene; seq.var. = ?

DNA(specification)—
DEFB113 gene;
sequence variation
name of component: defensin, beta 113
[NPU46283](#)
DNA(spec.)—DEFB113 gene; seq.var. = ?

DNA(specification)—
DEFB114 gene;
sequence variation
name of component: defensin, beta 114
[NPU46284](#)
DNA(spec.)—DEFB114 gene; seq.var. = ?

DNA(specification)—
DEFB115 gene;
sequence variation
name of component: defensin, beta 115
[NPU46285](#)
DNA(spec.)—DEFB115 gene; seq.var. = ?

DNA(specification)—
DEFB116 gene;
sequence variation
name of component: defensin, beta 116
[NPU46286](#)
DNA(spec.)—DEFB116 gene; seq.var. = ?

DNA(specification)—
DEFB117 gene;
sequence variation
name of component: defensin, beta 117
[NPU46287](#)
DNA(spec.)—DEFB117 gene; seq.var. = ?

DNA(specification)—
DEFB118 gene;
sequence variation
name of component: defensin, beta 118
[NPU44240](#)
DNA(spec.)—DEFB118 gene; seq.var. = ?

DNA(specification)—
DEFB119 gene;
sequence variation
name of component: defensin, beta 119
[NPU46288](#)
DNA(spec.)—DEFB119 gene; seq.var. = ?

DNA(specification)—
DEFB120 gene;
sequence variation
name of component: defensin, beta 120
[NPU46289](#)
DNA(spec.)—DEFB120 gene; seq.var. = ?

DNA(specification)—
DEFB121 gene;
sequence variation
name of component: defensin, beta 121
[NPU46290](#)
DNA(spec.)—DEFB121 gene; seq.var. = ?

DNA(specification)—
DEFB122 gene;
sequence variation
name of component: defensin, beta 122
[NPU46291](#)
DNA(spec.)—DEFB122 gene; seq.var. = ?

DNA(specification)—
DEFB123 gene;
sequence variation
name of component: defensin, beta 123
[NPU46292](#)
DNA(spec.)—DEFB123 gene; seq.var. = ?

DNA(specification)—
DEFB124 gene;
sequence variation
name of component: defensin, beta 124
[NPU46293](#)
DNA(spec.)—DEFB124 gene; seq.var. = ?

DNA(specification)—
DEFB125 gene;
sequence variation
name of component: defensin, beta 125
[NPU46294](#)
DNA(spec.)—DEFB125 gene; seq.var. = ?

DNA(specification)—
DEFB126 gene;
sequence variation
name of component: defensin, beta 126
[NPU43987](#)
DNA(spec.)—DEFB126 gene; seq.var. = ?

DNA(specification)—
DEFB127 gene;
sequence variation
name of component: defensin, beta 127
[NPU44250](#)
DNA(spec.)—DEFB127 gene; seq.var. = ?

DNA(specification)—
DEFB128 gene;
sequence variation
name of component: defensin, beta 128
[NPU46295](#)
DNA(spec.)—DEFB128 gene; seq.var. = ?

DNA(specification)—
DEFB129 gene;
sequence variation
name of component: defensin, beta 129
[NPU44261](#)
DNA(spec.)—DEFB129 gene; seq.var. = ?

DNA(specification)—
DEFB130 gene;
sequence variation
name of component: defensin, beta 130
[NPU46296](#)
DNA(spec.)—DEFB130 gene; seq.var. = ?

DNA(specification)—
DEFB131 gene;
sequence variation
name of component: defensin, beta 131
[NPU46297](#)
DNA(spec.)—DEFB131 gene; seq.var. = ?

DNA(specification)—
DEFB132P gene;
sequence variation
name of component: defensin, beta 132, pseudogene
[NPU46298](#)
DNA(spec.)—DEFB132P gene; seq.var. = ?

DNA(specification)—
DEFB4 gene;
sequence variation
name of component: defensin, beta 4
[NPU32209](#)
DNA(spec.)—DEFB4 gene; seq.var. = ?

DNA(specification)—
DEFT1 gene;
sequence variation
name of component: defensin, theta 1
[NPU46412](#)
DNA(spec.)—DEFT1 gene; seq.var. = ?

DNA(specification)—
DEGS gene;
sequence variation
name of component: degenerative spermatocyte homolog, lipid desaturase (Drosophila)
[NPU42281](#)
DNA(spec.)—DEGS gene; seq.var. = ?

DNA(specification)—
DEK gene;
sequence variation
name of component: DEK oncogene (DNA binding)
[NPU32210](#)
DNA(spec.)—DEK gene; seq.var. = ?

DNA(specification)—
DENR gene;
sequence variation
name of component: density-regulated protein
[NPU32211](#)
DNA(spec.)—DENR gene; seq.var. = ?

DNA(specification)—
DES gene;
sequence variation
name of component: desmin
[NPU32212](#)
DNA(spec.)—DES gene; seq.var. = ?

DNA(specification)—
DF gene;
sequence variation
name of component: D component of complement (adipsin)
[NPU32213](#)
DNA(spec.)—DF gene; seq.var. = ?

DNA(specification)—
DFFA gene;
sequence variation
name of component: DNA fragmentation factor, 45 kDa, alpha polypeptide
[NPU32214](#)
DNA(spec.)—DFFA gene; seq.var. = ?

DNA(specification)—
DFFB gene;
sequence variation
name of component: DNA fragmentation factor, 40 kDa, beta polypeptide (caspase-activated DNase)
[NPU32215](#)
DNA(spec.)—DFFB gene; seq.var. = ?

DNA(specification)—
DFN2 gene;
sequence variation
name of component: deafness, X-linked 2, perceptible, congenital
[NPU32216](#)
DNA(spec.)—DFN2 gene; seq.var. = ?

DNA(specification)—
DFN4 gene;
sequence variation
name of component: deafness, X-linked 4, congenital sensorineural
[NPU32217](#)
DNA(spec.)—DFN4 gene; seq.var. = ?

DNA(specification)—
DFN5 gene;
sequence variation
name of component: deafness, X-linked 5
[NPU32218](#)
DNA(spec.)—DFN5 gene; seq.var. = ?

DNA(specification)—
DFN6 gene;
sequence variation
name of component: deafness, X-linked 6, sensorineural
[NPU32219](#)
DNA(spec.)—DFN6 gene; seq.var. = ?

DNA(specification)—
DFN8 gene;
sequence variation
name of component: deafness, X-linked 8, progressive
[NPU32220](#)
DNA(spec.)—DFN8 gene; seq.var. = ?

DNA(specification)—
DFNA16 gene;
sequence variation
name of component: deafness, autosomal dominant
16
[NPU32221](#)
DNA(spec.)—DFNA16 gene; seq.var. = ?

DNA(specification)—
DFNA18 gene;
sequence variation
name of component: deafness, autosomal dominant
18
[NPU42073](#)
DNA(spec.)—DFNA18 gene; seq.var. = ?

DNA(specification)—
DFNA19 gene;
sequence variation
name of component: deafness, autosomal dominant
19
[NPU32222](#)
DNA(spec.)—DFNA19 gene; seq.var. = ?

DNA(specification)—
DFNA20 gene;
sequence variation
name of component: deafness, autosomal dominant
20
[NPU32223](#)
DNA(spec.)—DFNA20 gene; seq.var. = ?

DNA(specification)—
DFNA21 gene;
sequence variation
name of component: deafness, autosomal dominant
21
[NPU32224](#)
DNA(spec.)—DFNA21 gene; seq.var. = ?

DNA(specification)—
DFNA23 gene;
sequence variation
name of component: deafness, autosomal dominant
23
[NPU32225](#)
DNA(spec.)—DFNA23 gene; seq.var. = ?

DNA(specification)—
DFNA24 gene;
sequence variation
name of component: deafness, autosomal dominant
24
[NPU32226](#)
DNA(spec.)—DFNA24 gene; seq.var. = ?

DNA(specification)—
DFNA25 gene;
sequence variation
name of component: deafness, autosomal dominant
25
[NPU42074](#)
DNA(spec.)—DFNA25 gene; seq.var. = ?

DNA(specification)—
DFNA26 gene;
sequence variation
name of component: deafness, autosomal dominant
26
[NPU32227](#)
DNA(spec.)—DFNA26 gene; seq.var. = ?

DNA(specification)—
DFNA27 gene;
sequence variation
name of component: deafness, autosomal dominant
27
[NPU32228](#)
DNA(spec.)—DFNA27 gene; seq.var. = ?

DNA(specification)—
DFNA28 gene;
sequence variation
name of component: deafness, autosomal dominant
28
[NPU32229](#)
DNA(spec.)—DFNA28 gene; seq.var. = ?

DNA(specification)—
DFNA29 gene;
sequence variation
name of component: deafness, autosomal dominant
29
[NPU32230](#)
DNA(spec.)—DFNA29 gene; seq.var. = ?

DNA(specification)—
DFNA30 gene;
sequence variation
name of component: deafness, autosomal dominant
30
[NPU32231](#)
DNA(spec.)—DFNA30 gene; seq.var. = ?

DNA(specification)—
DFNA31 gene;
sequence variation
name of component: deafness, autosomal dominant
31
[NPU32232](#)
DNA(spec.)—DFNA31 gene; seq.var. = ?

DNA(specification)—
DFNA32 gene;
sequence variation
name of component: deafness, autosomal dominant
32
[NPU32233](#)
DNA(spec.)—DFNA32 gene; seq.var. = ?

DNA(specification)—
DFNA33 gene;
sequence variation
name of component: deafness, autosomal dominant
33
[NPU32234](#)
DNA(spec.)—DFNA33 gene; seq.var. = ?

DNA(specification)—
DFNA34 gene;
sequence variation
name of component: deafness, autosomal dominant
34
[NPU32235](#)
DNA(spec.)—DFNA34 gene; seq.var. = ?

DNA(specification)—
DFNA35 gene;
sequence variation
name of component: deafness, autosomal dominant
35
[NPU32236](#)
DNA(spec.)—DFNA35 gene; seq.var. = ?

DNA(specification)—
DFNA37 gene;
sequence variation
name of component: deafness, autosomal dominant
37
[NPU46523](#)
DNA(spec.)—DFNA37 gene; seq.var. = ?

DNA(specification)—
DFNA4 gene;
sequence variation
name of component: deafness, autosomal dominant
4
[NPU32237](#)
DNA(spec.)—DFNA4 gene; seq.var. = ?

DNA(specification)—
DFNA40 gene;
sequence variation
name of component: deafness, autosomal dominant
40
[NPU42491](#)
DNA(spec.)—DFNA40 gene; seq.var. = ?

DNA(specification)—
DFNA41 gene;
sequence variation
name of component: deafness, autosomal dominant
41
[NPU43752](#)
DNA(spec.)—DFNA41 gene; seq.var. = ?

DNA(specification)—
DFNA42 gene;
sequence variation
name of component: deafness, autosomal dominant
42
[NPU43923](#)
DNA(spec.)—DFNA42 gene; seq.var. = ?

DNA(specification)—
DFNA43 gene;
sequence variation
name of component: deafness, autosomal dominant
43
[NPU44931](#)
DNA(spec.)—DFNA43 gene; seq.var. = ?

DNA(specification)—
DFNA45 gene;
sequence variation
name of component: deafness, autosomal dominant
45
[NPU46617](#)
DNA(spec.)—DFNA45 gene; seq.var. = ?

DNA(specification)—
DFNA46 gene;
sequence variation
name of component: deafness, autosomal dominant
46
[NPU46618](#)
DNA(spec.)—DFNA46 gene; seq.var. = ?

DNA(specification)—
DFNA47 gene;
sequence variation
name of component: deafness, autosomal dominant
47
[NPU46619](#)
DNA(spec.)—DFNA47 gene; seq.var. = ?

DNA(specification)—
DFNA48 gene;
sequence variation
name of component: deafness, autosomal dominant
48
[NPU46620](#)
DNA(spec.)—DFNA48 gene; seq.var. = ?

DNA(specification)—
DFNA49 gene;
sequence variation
name of component: deafness, autosomal dominant
49
[NPU46682](#)
DNA(spec.)—DFNA49 gene; seq.var. = ?

DNA(specification)—
DFNA5 gene;
sequence variation
name of component: deafness, autosomal dominant
5
[NPU32238](#)
DNA(spec.)—DFNA5 gene; seq.var. = ?

DNA(specification)—
DFNA50 gene;
sequence variation
name of component: deafness, autosomal dominant
50
[NPU46681](#)
DNA(spec.)—DFNA50 gene; seq.var. = ?

DNA(specification)—
DFNA51 gene;
sequence variation
name of component: deafness, autosomal dominant
51
[NPU47344](#)
DNA(spec.)—DFNA51 gene; seq.var. = ?

DNA(specification)—
DFNA52 gene;
sequence variation
name of component: deafness, autosomal dominant
52
[NPU47755](#)
DNA(spec.)—DFNA52 gene; seq.var. = ?

DNA(specification)—
DFNA7 gene;
sequence variation
name of component: deafness, autosomal dominant
7
[NPU32239](#)
DNA(spec.)—DFNA7 gene; seq.var. = ?

DNA(specification)—
DFNB13 gene;
sequence variation
name of component: deafness, autosomal recessive
13
[NPU32240](#)
DNA(spec.)—DFNB13 gene; seq.var. = ?

DNA(specification)—
DFNB14 gene;
sequence variation
name of component: deafness, autosomal recessive
14
[NPU32241](#)
DNA(spec.)—DFNB14 gene; seq.var. = ?

DNA(specification)—
DFNB15 gene;
sequence variation
name of component: deafness, autosomal recessive
15
[NPU32242](#)
DNA(spec.)—DFNB15 gene; seq.var. = ?

DNA(specification)—
DFNB17 gene;
sequence variation
name of component: deafness, autosomal recessive
17
[NPU32243](#)
DNA(spec.)—DFNB17 gene; seq.var. = ?

DNA(specification)—
DFNB18 gene;
sequence variation
name of component: deafness, autosomal recessive
18
[NPU32244](#)
DNA(spec.)—DFNB18 gene; seq.var. = ?

DNA(specification)—
DFNB19 gene;
sequence variation
name of component: deafness, autosomal recessive
19
[NPU32245](#)
DNA(spec.)—DFNB19 gene; seq.var. = ?

DNA(specification)—
DFNB20 gene;
sequence variation
name of component: deafness, autosomal recessive
20
[NPU32246](#)
DNA(spec.)—DFNB20 gene; seq.var. = ?

DNA(specification)—
DFNB23 gene;
sequence variation
name of component: deafness, autosomal recessive
23
[NPU32247](#)
DNA(spec.)—DFNB23 gene; seq.var. = ?

DNA(specification)—
DFNB24 gene;
sequence variation
name of component: deafness, autosomal recessive
24
[NPU32248](#)
DNA(spec.)—DFNB24 gene; seq.var. = ?

DNA(specification)—
DFNB25 gene;
sequence variation
name of component: deafness, autosomal recessive
25
[NPU32249](#)
DNA(spec.)—DFNB25 gene; seq.var. = ?

DNA(specification)—
DFNB26 gene;
sequence variation
name of component: deafness, autosomal recessive
26
[NPU32250](#)
DNA(spec.)—DFNB26 gene; seq.var. = ?

DNA(specification)—
DFNB27 gene;
sequence variation
name of component: deafness, autosomal recessive
27
[NPU32251](#)
DNA(spec.)—DFNB27 gene; seq.var. = ?

DNA(specification)—
DFNB28 gene;
sequence variation
name of component: deafness, autosomal recessive
28
[NPU32252](#)
DNA(spec.)—DFNB28 gene; seq.var. = ?

DNA(specification)—
DFNB30 gene;
sequence variation
name of component: deafness, autosomal recessive
30
[NPU42261](#)
DNA(spec.)—DFNB30 gene; seq.var. = ?

DNA(specification)—
DFNB31 gene;
sequence variation
name of component: deafness, autosomal recessive
31
[NPU44375](#)
DNA(spec.)—DFNB31 gene; seq.var. = ?

DNA(specification)—
DFNB32 gene;
sequence variation
name of component: deafness, autosomal recessive
32
[NPU44374](#)
DNA(spec.)—DFNB32 gene; seq.var. = ?

DNA(specification)—
DFNB33 gene;
sequence variation
name of component: deafness, autosomal recessive
33
[NPU44373](#)
DNA(spec.)—DFNB33 gene; seq.var. = ?

DNA(specification)—
DFNB34 gene;
sequence variation
name of component: deafness, autosomal recessive
34
[NPU44879](#)
DNA(spec.)—DFNB34 gene; seq.var. = ?

DNA(specification)—
DFNB35 gene;
sequence variation
name of component: deafness, autosomal recessive
35
[NPU46427](#)
DNA(spec.)—DFNB35 gene; seq.var. = ?

DNA(specification)—
DFNB36 gene;
sequence variation
name of component: deafness, autosomal recessive
36
[NPU46614](#)
DNA(spec.)—DFNB36 gene; seq.var. = ?

DNA(specification)—
DFNB37 gene;
sequence variation
name of component: deafness, autosomal recessive
37
[NPU46615](#)
DNA(spec.)—DFNB37 gene; seq.var. = ?

DNA(specification)—
DFNB38 gene;
sequence variation
name of component: deafness, autosomal recessive
38
[NPU46917](#)
DNA(spec.)—DFNB38 gene; seq.var. = ?

DNA(specification)—
DFNB39 gene;
sequence variation
name of component: deafness, autosomal recessive
39
[NPU46918](#)
DNA(spec.)—DFNB39 gene; seq.var. = ?

DNA(specification)—
DFNB5 gene;
sequence variation
name of component: deafness, autosomal recessive
5
[NPU32253](#)
DNA(spec.)—DFNB5 gene; seq.var. = ?

DNA(specification)—
DFNB6 gene;
sequence variation
name of component: deafness, autosomal recessive
6
[NPU32254](#)
DNA(spec.)—DFNB6 gene; seq.var. = ?

DNA(specification)—
DFNM1 gene;
sequence variation
name of component: deafness (recessive, nonsyn-
dromic) modifier 1
[NPU32255](#)
DNA(spec.)—DFNM1 gene; seq.var. = ?

DNA(specification)—
DGAT1 gene;
sequence variation
name of component: diacylglycerol O-
acyltransferase homolog 1 (mouse)
[NPU32256](#)
DNA(spec.)—DGAT1 gene; seq.var. = ?

DNA(specification)—
DGAT2 gene;
sequence variation
name of component: diacylglycerol O-
acyltransferase homolog 2 (mouse)
[NPU44784](#)
DNA(spec.)—DGAT2 gene; seq.var. = ?

DNA(specification)—
DGAT2L1 gene;
sequence variation
name of component: diacylglycerol O-
acyltransferase 2 like 1
[NPU46348](#)
DNA(spec.)—DGAT2L1 gene; seq.var. = ?

DNA(specification)—
DGCR gene;
sequence variation
name of component: DiGeorge syndrome chromo-
some region
[NPU32257](#)
DNA(spec.)—DGCR gene; seq.var. = ?

DNA(specification)—
DGCR10 gene;
sequence variation
name of component: DiGeorge syndrome critical
region gene 10
[NPU46151](#)
DNA(spec.)—DGCR10 gene; seq.var. = ?

DNA(specification)—
DGCR11 gene;
sequence variation
name of component: DiGeorge syndrome critical
region gene 11
[NPU44924](#)
DNA(spec.)—DGCR11 gene; seq.var. = ?

DNA(specification)—
DGCR12 gene;
sequence variation
name of component: DiGeorge syndrome critical
region gene 12
[NPU44923](#)
DNA(spec.)—DGCR12 gene; seq.var. = ?

DNA(specification)—
DGCR13 gene;
sequence variation
name of component: DiGeorge syndrome critical
region gene 13
[NPU46150](#)
DNA(spec.)—DGCR13 gene; seq.var. = ?

DNA(specification)—
DGCR14 gene;
sequence variation
name of component: DiGeorge syndrome critical
region gene 14
[NPU44716](#)
DNA(spec.)—DGCR14 gene; seq.var. = ?

DNA(specification)—
DGCR2 gene;
sequence variation
name of component: DiGeorge syndrome critical
region gene 2
[NPU32258](#)
DNA(spec.)—DGCR2 gene; seq.var. = ?

DNA(specification)—
DGCR5 gene;
sequence variation
name of component: DiGeorge syndrome critical
region gene 5 (non-coding)
[NPU44671](#)
DNA(spec.)—DGCR5 gene; seq.var. = ?

DNA(specification)—
DGCR6 gene;
sequence variation
name of component: DiGeorge syndrome critical
region gene 6
[NPU32259](#)
DNA(spec.)—DGCR6 gene; seq.var. = ?

DNA(specification)—
DGCR6L gene;
sequence variation
name of component: DiGeorge syndrome critical
region gene 6-like
[NPU46524](#)
DNA(spec.)—DGCR6L gene; seq.var. = ?

DNA(specification)—
DGCR7 gene;
sequence variation
name of component: DiGeorge syndrome critical
region gene 7
[NPU46934](#)
DNA(spec.)—DGCR7 gene; seq.var. = ?

DNA(specification)—
DGCR8 gene;
sequence variation
name of component: DiGeorge syndrome critical
region gene 8
[NPU32260](#)
DNA(spec.)—DGCR8 gene; seq.var. = ?

DNA(specification)—
DGCR9 gene;
sequence variation
name of component: DiGeorge syndrome critical
region gene 9
[NPU44925](#)
DNA(spec.)—DGCR9 gene; seq.var. = ?

DNA(specification)—
DGKA gene;
sequence variation
name of component: diacylglycerol kinase, alpha
80 kDa
[NPU32261](#)
DNA(spec.)—DGKA gene; seq.var. = ?

DNA(specification)—
DGKD gene;
sequence variation
name of component: diacylglycerol kinase, delta
130 kDa
[NPU32262](#)
DNA(spec.)—DGKD gene; seq.var. = ?

DNA(specification)—
DGKE gene;
sequence variation
name of component: diacylglycerol kinase, epsilon
64 kDa
[NPU32263](#)
DNA(spec.)—DGKE gene; seq.var. = ?

DNA(specification)—
DGKG gene;
sequence variation
name of component: diacylglycerol kinase, gamma
90 kDa
[NPU32264](#)
DNA(spec.)—DGKG gene; seq.var. = ?

DNA(specification)—
DGKI gene;
sequence variation
name of component: diacylglycerol kinase, iota
[NPU32265](#)
DNA(spec.)—DGKI gene; seq.var. = ?

DNA(specification)—
DGKQ gene;
sequence variation
name of component: diacylglycerol kinase, theta
110 kDa
[NPU32266](#)
DNA(spec.)—DGKQ gene; seq.var. = ?

DNA(specification)—
DGKZ gene;
sequence variation
name of component: diacylglycerol kinase, zeta
104 kDa
[NPU32267](#)
DNA(spec.)—DGKZ gene; seq.var. = ?

DNA(specification)—
DGUOK gene;
sequence variation
name of component: deoxyguanosine kinase
[NPU32268](#)
DNA(spec.)—DGUOK gene; seq.var. = ?

DNA(specification)—
DHCR24 gene;
sequence variation
name of component: 24-dehydrocholesterol reductase
[NPU32269](#)
DNA(spec.)—DHCR24 gene; seq.var. = ?

DNA(specification)—
DHCR7 gene;
sequence variation
name of component: 7-dehydrocholesterol reductase
[NPU32270](#)
DNA(spec.)—DHCR7 gene; seq.var. = ?

DNA(specification)—
DHDDS gene;
sequence variation
name of component: dehydrolipichyl diphosphate synthase
[NPU47676](#)
DNA(spec.)—DHDDS gene; seq.var. = ?

DNA(specification)—
DHDH gene;
sequence variation
name of component: dihydrodiol dehydrogenase (dimeric)
[NPU46164](#)
DNA(spec.)—DHDH gene; seq.var. = ?

DNA(specification)—
DHFR gene;
sequence variation
name of component: dihydrofolate reductase
[NPU32271](#)
DNA(spec.)—DHFR gene; seq.var. = ?

DNA(specification)—
DHFRP1 gene;
sequence variation
name of component: dihydrofolate reductase pseudogene 1
[NPU32272](#)
DNA(spec.)—DHFRP1 gene; seq.var. = ?

DNA(specification)—
DHFRP2 gene;
sequence variation
name of component: dihydrofolate reductase pseudogene 2
[NPU32273](#)
DNA(spec.)—DHFRP2 gene; seq.var. = ?

DNA(specification)—
DHFRP4 gene;
sequence variation
name of component: dihydrofolate reductase pseudogene 4
[NPU32274](#)
DNA(spec.)—DHFRP4 gene; seq.var. = ?

DNA(specification)—
DHH gene;
sequence variation
name of component: desert hedgehog homolog (Drosophila)
[NPU32275](#)
DNA(spec.)—DHH gene; seq.var. = ?

DNA(specification)—
DHODH gene;
sequence variation
name of component: dihydroorotate dehydrogenase
[NPU32276](#)
DNA(spec.)—DHODH gene; seq.var. = ?

DNA(specification)—
DHOF gene;
sequence variation
name of component: dermal hypoplasia, focal
[NPU32277](#)
DNA(spec.)—DHOF gene; seq.var. = ?

DNA(specification)—
DHPS gene;
sequence variation
name of component: deoxyhypusine synthase
[NPU32278](#)
DNA(spec.)—DHPS gene; seq.var. = ?

DNA(specification)—
DHRS2 gene;
sequence variation
name of component: dehydrogenase/reductase (SDR family) member 2
[NPU46418](#)
DNA(spec.)—DHRS2 gene; seq.var. = ?

DNA(specification)—
DHRS4 gene;
sequence variation
name of component: dehydrogenase/reductase (SDR family) member 4
[NPU44800](#)
DNA(spec.)—DHRS4 gene; seq.var. = ?

DNA(specification)—
DHRS4L1 gene;
sequence variation
name of component: dehydrogenase/reductase (SDR family) member 4 like 1
[NPU47167](#)
DNA(spec.)—DHRS4L1 gene; seq.var. = ?

DNA(specification)—**DHRS4L2 gene;****sequence variation**

name of component: dehydrogenase/reductase (SDR family) member 4 like 2

[NPU47166](#)

DNA(spec.)—DHRS4L2 gene; seq.var. = ?

DNA(specification)—**DHRSX gene;****sequence variation**

name of component: dehydrogenase/reductase (SDR family) X chromosome

[NPU46447](#)

DNA(spec.)—DHRSX gene; seq.var. = ?

DNA(specification)—**DIA1 gene;****sequence variation**

name of component: diaphorase (NADH) (cytochrome b-5 reductase)

[NPU32279](#)

DNA(spec.)—DIA1 gene; seq.var. = ?

DNA(specification)—**DIANPH gene;****sequence variation**

name of component: diabetic nephropathy

[NPU32281](#)

DNA(spec.)—DIANPH gene; seq.var. = ?

DNA(specification)—**DIAPH1 gene;****sequence variation**

name of component: diaphanous homolog 1 (Drosophila)

[NPU32282](#)

DNA(spec.)—DIAPH1 gene; seq.var. = ?

DNA(specification)—**DIAPH2 gene;****sequence variation**

name of component: diaphanous homolog 2 (Drosophila)

[NPU32283](#)

DNA(spec.)—DIAPH2 gene; seq.var. = ?

DNA(specification)—**DIAPH3 gene;****sequence variation**

name of component: diaphanous homolog 3 (Drosophila)

[NPU43693](#)

DNA(spec.)—DIAPH3 gene; seq.var. = ?

DNA(specification)—**DIBD1 gene;****sequence variation**

name of component: disrupted in bipolar affective disorder 1

[NPU43813](#)

DNA(spec.)—DIBD1 gene; seq.var. = ?

DNA(specification)—**DICER1 gene;****sequence variation**

name of component: Dicer1, Dcr-1 homolog (Drosophila)

[NPU44849](#)

DNA(spec.)—DICER1 gene; seq.var. = ?

DNA(specification)—**DIH1 gene;****sequence variation**

name of component: diaphragmatic hernia 1

[NPU32285](#)

DNA(spec.)—DIH1 gene; seq.var. = ?

DNA(specification)—**DIO1 gene;****sequence variation**

name of component: deiodinase, iodothyronine, type I

[NPU32286](#)

DNA(spec.)—DIO1 gene; seq.var. = ?

DNA(specification)—**DIO2 gene;****sequence variation**

name of component: deiodinase, iodothyronine, type II

[NPU32287](#)

DNA(spec.)—DIO2 gene; seq.var. = ?

DNA(specification)—**DIO3 gene;****sequence variation**

name of component: deiodinase, iodothyronine, type III

[NPU32288](#)

DNA(spec.)—DIO3 gene; seq.var. = ?

DNA(specification)—**DIRAS1 gene;****sequence variation**

name of component: DIRAS family, GTP-binding RAS-like 1

[NPU46878](#)

DNA(spec.)—DIRAS1 gene; seq.var. = ?

DNA(specification)—**DIRAS2 gene;****sequence variation**

name of component: DIRAS family, GTP-binding RAS-like 2

[NPU46971](#)

DNA(spec.)—DIRAS2 gene; seq.var. = ?

DNA(specification)—**DIRC1 gene;****sequence variation**

name of component: disrupted in renal carcinoma 1

[NPU43877](#)

DNA(spec.)—DIRC1 gene; seq.var. = ?

DNA(specification)—**DIRC2 gene;****sequence variation**

name of component: disrupted in renal carcinoma 2

[NPU44602](#)

DNA(spec.)—DIRC2 gene; seq.var. = ?

DNA(specification)—**DISC1 gene;****sequence variation**

name of component: disrupted in schizophrenia 1

[NPU32289](#)

DNA(spec.)—DISC1 gene; seq.var. = ?

DNA(specification)—**DISC2 gene;****sequence variation**

name of component: disrupted in schizophrenia 2

[NPU32290](#)

DNA(spec.)—DISC2 gene; seq.var. = ?

DNA(specification)—**DKC1 gene;****sequence variation**

name of component: dyskeratosis congenita 1, dyskerin

[NPU32291](#)

DNA(spec.)—DKC1 gene; seq.var. = ?

DNA(specification)—**DKK1 gene;****sequence variation**

name of component: dickkopf homolog 1 (Xenopus laevis)

[NPU32292](#)

DNA(spec.)—DKK1 gene; seq.var. = ?

DNA(specification)—**DKK2 gene;****sequence variation**

name of component: dickkopf homolog 2 (Xenopus laevis)

[NPU32293](#)

DNA(spec.)—DKK2 gene; seq.var. = ?

DNA(specification)—**DKK3 gene;****sequence variation**

name of component: dickkopf homolog 3 (Xenopus laevis)

[NPU32294](#)

DNA(spec.)—DKK3 gene; seq.var. = ?

DNA(specification)—**DKK4 gene;****sequence variation**

name of component: dickkopf homolog 4 (Xenopus laevis)

[NPU32295](#)

DNA(spec.)—DKK4 gene; seq.var. = ?

DNA(specification)—**DKKL2 gene;****sequence variation**

name of component: dickkopf-like 2

[NPU44573](#)

DNA(spec.)—DKKL2 gene; seq.var. = ?

DNA(specification)—**DLAT gene;****sequence variation**

name of component: dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)

[NPU32297](#)

DNA(spec.)—DLAT gene; seq.var. = ?

DNA(specification)—**DLC1 gene;****sequence variation**

name of component: deleted in liver cancer 1

[NPU32298](#)

DNA(spec.)—DLC1 gene; seq.var. = ?

DNA(specification)—**DLD gene;****sequence variation**

name of component: dihydrolipoamide dehydrogenase (E3 component of pyruvate dehydrogenase complex, 2-oxo-glutarate complex, branched chain keto acid dehydrogenase complex)

[NPU32299](#)

DNA(spec.)—DLD gene; seq.var. = ?

DNA(specification)—**DLEC1 gene;****sequence variation**

name of component: deleted in lung and esophageal cancer 1

[NPU32300](#)

DNA(spec.)—DLEC1 gene; seq.var. = ?

DNA(specification)—**DLEU1 gene;****sequence variation**

name of component: deleted in lymphocytic leukemia, 1

[NPU42307](#)

DNA(spec.)—DLEU1 gene; seq.var. = ?

DNA(specification)—**DLEU2 gene;****sequence variation**

name of component: deleted in lymphocytic leukemia, 2

[NPU42308](#)

DNA(spec.)—DLEU2 gene; seq.var. = ?

DNA(specification)—**DLG1 gene;****sequence variation**

name of component: discs, large (Drosophila) homolog 1

[NPU32301](#)

DNA(spec.)—DLG1 gene; seq.var. = ?

DNA(specification)—**DLG2 gene;****sequence variation**

name of component: discs, large homolog 2, chap-syn-110 (Drosophila)

[NPU32302](#)

DNA(spec.)—DLG2 gene; seq.var. = ?

DNA(specification)—**DLG3 gene;****sequence variation**

name of component: discs, large (Drosophila) homolog 3 (neuroendocrine-dlg)

[NPU32303](#)

DNA(spec.)—DLG3 gene; seq.var. = ?

DNA(specification)—**DLG4 gene;****sequence variation**

name of component: discs, large (Drosophila) homolog 4

[NPU32304](#)

DNA(spec.)—DLG4 gene; seq.var. = ?

DNA(specification)—**DLG5 gene;****sequence variation**

name of component: discs, large (Drosophila) homolog 5

[NPU32305](#)

DNA(spec.)—DLG5 gene; seq.var. = ?

DNA(specification)—**DLG7 gene;****sequence variation**

name of component: discs, large homolog 7 (Drosophila)

[NPU44747](#)

DNA(spec.)—DLG7 gene; seq.var. = ?

DNA(specification)—**DLGAP1 gene;****sequence variation**

name of component: discs, large (Drosophila) homolog-associated protein 1

[NPU32306](#)

DNA(spec.)—DLGAP1 gene; seq.var. = ?

DNA(specification)—**DLGAP2 gene;****sequence variation**

name of component: discs, large (Drosophila) homolog-associated protein 2

[NPU32307](#)

DNA(spec.)—DLGAP2 gene; seq.var. = ?

DNA(specification)—**DLK1 gene;****sequence variation**

name of component: delta-like 1 homolog (Drosophila)

[NPU32308](#)

DNA(spec.)—DLK1 gene; seq.var. = ?

DNA(specification)—**DLL1 gene;****sequence variation**

name of component: delta-like 1 (Drosophila)

[NPU32309](#)

DNA(spec.)—DLL1 gene; seq.var. = ?

DNA(specification)—**DLL3 gene;****sequence variation**

name of component: delta-like 3 (Drosophila)

[NPU32310](#)

DNA(spec.)—DLL3 gene; seq.var. = ?

DNA(specification)—**DLL4 gene;****sequence variation**

name of component: delta-like 4 (Drosophila)

[NPU32311](#)

DNA(spec.)—DLL4 gene; seq.var. = ?

DNA(specification)—**DLST gene;****sequence variation**

name of component: dihydrolipoamide S-succinyltransferase (E2 component of 2-oxo-glutarate complex)

[NPU32312](#)

DNA(spec.)—DLST gene; seq.var. = ?

DNA(specification)—**DLSTP gene;****sequence variation**

name of component: dihydrolipoamide S-succinyltransferase pseudogene (E2 component of 2-oxo-glutarate complex)

[NPU32313](#)

DNA(spec.)—DLSTP gene; seq.var. = ?

DNA(specification)—**DLX1 gene;****sequence variation**

name of component: distal-less homeo box 1

[NPU32314](#)

DNA(spec.)—DLX1 gene; seq.var. = ?

DNA(specification)—**DLX2 gene;****sequence variation**

name of component: distal-less homeo box 2

[NPU32315](#)

DNA(spec.)—DLX2 gene; seq.var. = ?

DNA(specification)—**DLX3 gene;****sequence variation**

name of component: distal-less homeo box 3

[NPU32316](#)

DNA(spec.)—DLX3 gene; seq.var. = ?

DNA(specification)—**DLX4 gene;****sequence variation**

name of component: distal-less homeobox 4

[NPU32317](#)

DNA(spec.)—DLX4 gene; seq.var. = ?

DNA(specification)—**DLX5 gene;****sequence variation**

name of component: distal-less homeo box 5

[NPU32318](#)

DNA(spec.)—DLX5 gene; seq.var. = ?

DNA(specification)—**DLX6 gene;****sequence variation**

name of component: distal-less homeo box 6

[NPU32319](#)

DNA(spec.)—DLX6 gene; seq.var. = ?

DNA(specification)—**DM1 gene;****sequence variation**

name of component: dystrophin myotonia 1 (includes dystrophin myotonia protein kinase)

[NPU32320](#)

DNA(spec.)—DM1 gene; seq.var. = ?

DNA(specification)—**DMP1 gene;****sequence variation**

name of component: DNA methyltransferase 1 associated protein 1

[NPU46384](#)

DNA(spec.)—DMP1 gene; seq.var. = ?

DNA(specification)—**DMBT1 gene;****sequence variation**

name of component: deleted in malignant brain tumors 1

[NPU32321](#)

DNA(spec.)—DMBT1 gene; seq.var. = ?

DNA(specification)—**DMC1 gene;****sequence variation**

name of component: DMC1 dosage suppressor of mck1 homolog, meiosis-specific homologous recombination (yeast)

[NPU32322](#)

DNA(spec.)—DMC1 gene; seq.var. = ?

DNA(specification)—**DMD gene;****sequence variation**

name of component: dystrophin (muscular dystrophy, Duchenne and Becker types)

[NPU19058](#)

DNA(spec.)—DMD gene; seq.var. = ?

DNA(specification)—**DMP1 gene;****sequence variation**

name of component: dentin matrix acidic phosphoprotein

[NPU32323](#)

DNA(spec.)—DMP1 gene; seq.var. = ?

DNA(specification)—**DMPK gene;****sequence variation**

name of component: dystrophin myotonia-protein kinase

[NPU19059](#)

DNA(spec.)—DMPK gene; seq.var. = ?

DNA(specification)—**DMRT1 gene;****sequence variation**

name of component: doublesex and mab-3 related transcription factor 1

[NPU32324](#)

DNA(spec.)—DMRT1 gene; seq.var. = ?

DNA(specification)—**DMRT2 gene;****sequence variation**

name of component: doublesex and mab-3 related transcription factor 2

[NPU32325](#)

DNA(spec.)—DMRT2 gene; seq.var. = ?

DNA(specification)—**DMRT3 gene;****sequence variation**

name of component: doublesex and mab-3 related transcription factor 3

[NPU42382](#)

DNA(spec.)—DMRT3 gene; seq.var. = ?

DNA(specification)—**DMRTA1 gene;****sequence variation**

name of component: DMRT-like family A1

[NPU42347](#)

DNA(spec.)—DMRTA1 gene; seq.var. = ?

DNA(specification)—**DMRTA2 gene;****sequence variation**

name of component: DMRT-like family A2

[NPU42381](#)

DNA(spec.)—DMRTA2 gene; seq.var. = ?

DNA(specification)—**DMRTB1 gene;****sequence variation**

name of component: DMRT-like family B with proline-rich C-terminal, 1

[NPU42385](#)

DNA(spec.)—DMRTB1 gene; seq.var. = ?

DNA(specification)—**DMRTC1 gene;****sequence variation**

name of component: DMRT-like family C1

[NPU42383](#)

DNA(spec.)—DMRTC1 gene; seq.var. = ?

DNA(specification)—**DMRTC2 gene;****sequence variation**

name of component: DMRT-like family C2

[NPU42384](#)

DNA(spec.)—DMRTC2 gene; seq.var. = ?

DNA(specification)—**DMTF1 gene;****sequence variation**

name of component: cyclin D binding myb-like transcription factor 1

[NPU42891](#)

DNA(spec.)—DMTF1 gene; seq.var. = ?

DNA(specification)—**DMWD gene;****sequence variation**

name of component: dystrophin myotonic containing WD repeat motif

[NPU32326](#)

DNA(spec.)—DMWD gene; seq.var. = ?

DNA(specification)—**DMXL1 gene;****sequence variation**

name of component: Dmx-like 1

[NPU32327](#)

DNA(spec.)—DMXL1 gene; seq.var. = ?

DNA(specification)—**DMXL2 gene;****sequence variation**

name of component: Dmx-like 2

[NPU32328](#)

DNA(spec.)—DMXL2 gene; seq.var. = ?

DNA(specification)—**DNA2L gene;****sequence variation**

name of component: DNA2 DNA replication helicase 2-like (yeast)

[NPU32329](#)

DNA(spec.)—DNA2L gene; seq.var. = ?

DNA(specification)—**DNAH1 gene;****sequence variation**

name of component: dynein, axonemal, heavy polypeptide 1

[NPU32330](#)

DNA(spec.)—DNAH1 gene; seq.var. = ?

DNA(specification)—**DNAH10 gene;****sequence variation**

name of component: dynein, axonemal, heavy polypeptide 10

[NPU32331](#)

DNA(spec.)—DNAH10 gene; seq.var. = ?

DNA(specification)—**DNAH11 gene;****sequence variation**

name of component: dynein, axonemal, heavy polypeptide 11

[NPU32332](#)

DNA(spec.)—DNAH11 gene; seq.var. = ?

DNA(specification)—**DNAH12 gene;****sequence variation**

name of component: dynein, axonemal, heavy polypeptide 12

[NPU32333](#)

DNA(spec.)—DNAH12 gene; seq.var. = ?

DNA(specification)—**DNAH13 gene;****sequence variation**

name of component: dynein, axonemal, heavy polypeptide 13

[NPU32334](#)

DNA(spec.)—DNAH13 gene; seq.var. = ?

DNA(specification)—**DNAH14 gene;****sequence variation**

name of component: dynein, axonemal, heavy polypeptide 14

[NPU32335](#)

DNA(spec.)—DNAH14 gene; seq.var. = ?

DNA(specification)—**DNAH17 gene;****sequence variation**

name of component: dynein, axonemal, heavy polypeptide 17

[NPU32336](#)

DNA(spec.)—DNAH17 gene; seq.var. = ?

DNA(specification)—**DNAH2 gene;****sequence variation**

name of component: dynein, axonemal, heavy polypeptide 2

[NPU32337](#)

DNA(spec.)—DNAH2 gene; seq.var. = ?

DNA(specification)—**DNAH3 gene;****sequence variation**

name of component: dynein, axonemal, heavy polypeptide 3

[NPU32338](#)

DNA(spec.)—DNAH3 gene; seq.var. = ?

DNA(specification)—**DNAH5 gene;****sequence variation**

name of component: dynein, axonemal, heavy polypeptide 5

[NPU32339](#)

DNA(spec.)—DNAH5 gene; seq.var. = ?

DNA(specification)—**DNAH6 gene;****sequence variation**

name of component: dynein, axonemal, heavy polypeptide 6

[NPU32340](#)

DNA(spec.)—DNAH6 gene; seq.var. = ?

DNA(specification)—**DNAH7 gene;****sequence variation**

name of component: dynein, axonemal, heavy polypeptide 7

[NPU46603](#)

DNA(spec.)—DNAH7 gene; seq.var. = ?

DNA(specification)—**DNAH8 gene;****sequence variation**

name of component: dynein, axonemal, heavy polypeptide 8

[NPU32341](#)

DNA(spec.)—DNAH8 gene; seq.var. = ?

DNA(specification)—**DNAH9 gene;****sequence variation**

name of component: dynein, axonemal, heavy polypeptide 9

[NPU32342](#)

DNA(spec.)—DNAH9 gene; seq.var. = ?

DNA(specification)—**DNAI1 gene;****sequence variation**

name of component: dynein, axonemal, intermediate polypeptide 1

[NPU32343](#)

DNA(spec.)—DNAI1 gene; seq.var. = ?

DNA(specification)—**DNAI2 gene;****sequence variation**

name of component: dynein, axonemal, intermediate polypeptide 2

[NPU46650](#)

DNA(spec.)—DNAI2 gene; seq.var. = ?

DNA(specification)—**DNAJA1 gene;****sequence variation**

name of component: DnaJ (Hsp40) homolog, sub-family A, member 1

[NPU34209](#)

DNA(spec.)—DNAJA1 gene; seq.var. = ?

DNA(specification)—**DNAJA2 gene;****sequence variation**

name of component: DnaJ (Hsp40) homolog, sub-family A, member 2

[NPU43137](#)

DNA(spec.)—DNAJA2 gene; seq.var. = ?

DNA(specification)—**DNAJA3 gene;****sequence variation**

name of component: DnaJ (Hsp40) homolog, sub-family A, member 3

[NPU40783](#)

DNA(spec.)—DNAJA3 gene; seq.var. = ?

DNA(specification)—**DNAJA4 gene;****sequence variation**

name of component: DnaJ (Hsp40) homolog, sub-family A, member 4

[NPU43138](#)

DNA(spec.)—DNAJA4 gene; seq.var. = ?

DNA(specification)—**DNAJB1 gene;****sequence variation**

name of component: DnaJ (Hsp40) homolog, subfamily B, member 1

[NPU34248](#)

DNA(spec.)—DNAJB1 gene; seq.var. = ?

DNA(specification)—**DNAJB11 gene;****sequence variation**

name of component: DnaJ (Hsp40) homolog, sub-family B, member 11

[NPU43142](#)

DNA(spec.)—DNAJB11 gene; seq.var. = ?

DNA(specification)—**DNAJB12 gene;****sequence variation**

name of component: DnaJ (Hsp40) homolog, sub-family B, member 12

[NPU43143](#)

DNA(spec.)—DNAJB12 gene; seq.var. = ?

DNA(specification)—**DNAJB2 gene;****sequence variation**

name of component: DnaJ (Hsp40) homolog, sub-family B, member 2

[NPU34208](#)

DNA(spec.)—DNAJB2 gene; seq.var. = ?

DNA(specification)—**DNAJB4 gene;****sequence variation**

name of component: DnaJ (Hsp40) homolog, sub-family B, member 4

[NPU43139](#)

DNA(spec.)—DNAJB4 gene; seq.var. = ?

DNA(specification)—**DNAJB5 gene;****sequence variation**

name of component: DnaJ (Hsp40) homolog, sub-family B, member 5

[NPU43140](#)

DNA(spec.)—DNAJB5 gene; seq.var. = ?

DNA(specification)—**DNAJB6 gene;****sequence variation**

name of component: DnaJ (Hsp40) homolog, sub-family B, member 6

[NPU43141](#)

DNA(spec.)—DNAJB6 gene; seq.var. = ?

DNA(specification)—**DNAJB9 gene;****sequence variation**

name of component: DnaJ (Hsp40) homolog, sub-family B, member 9

[NPU36731](#)

DNA(spec.)—DNAJB9 gene; seq.var. = ?

DNA(specification)—**DNAJC1 gene;****sequence variation**

name of component: DnaJ (Hsp40) homolog, sub-family C, member 1

[NPU47399](#)

DNA(spec.)—DNAJC1 gene; seq.var. = ?

DNA(specification)—**DNAJC3 gene;****sequence variation**

name of component: DnaJ (Hsp40) homolog, sub-family C, member 3

[NPU38722](#)

DNA(spec.)—DNAJC3 gene; seq.var. = ?

DNA(specification)—**DNAJC4 gene;****sequence variation**

name of component: DnaJ (Hsp40) homolog, sub-family C, member 4

[NPU34249](#)

DNA(spec.)—DNAJC4 gene; seq.var. = ?

DNA(specification)—**DNAJC5 gene;****sequence variation**

name of component: DnaJ (Hsp40) homolog, sub-family C, member 5

[NPU44278](#)

DNA(spec.)—DNAJC5 gene; seq.var. = ?

DNA(specification)—**DNAJC6 gene;****sequence variation**

name of component: DnaJ (Hsp40) homolog, sub-family C, member 6

[NPU43684](#)

DNA(spec.)—DNAJC6 gene; seq.var. = ?

DNA(specification)—**DNAJC7 gene;****sequence variation**

name of component: DnaJ (Hsp40) homolog, sub-family C, member 7

[NPU41326](#)

DNA(spec.)—DNAJC7 gene; seq.var. = ?

DNA(specification)—**DNAJC8 gene;****sequence variation**

name of component: DnaJ (Hsp40) homolog, sub-family C, member 8

[NPU43685](#)

DNA(spec.)—DNAJC8 gene; seq.var. = ?

DNA(specification)—**DNAJC8P1 gene;****sequence variation**

name of component: DnaJ (Hsp40) homolog, sub-family C, member 8 pseudogene 1

[NPU47319](#)

DNA(spec.)—DNAJC8P1 gene; seq.var. = ?

DNA(specification)—**DNAJC9 gene;****sequence variation**

name of component: DnaJ (Hsp40) homolog, sub-family C, member 9

[NPU46876](#)

DNA(spec.)—DNAJC9 gene; seq.var. = ?

DNA(specification)—**DNAJD1 gene;****sequence variation**

name of component: DnaJ (Hsp40) homolog, sub-family D, member 1

[NPU47556](#)

DNA(spec.)—DNAJD1 gene; seq.var. = ?

DNA(specification)—**DNAL4 gene;****sequence variation**

name of component: dynein, axonemal, light polypeptide 4

[NPU32344](#)

DNA(spec.)—DNAL4 gene; seq.var. = ?

DNA(specification)—**DNALI1 gene;****sequence variation**

name of component: dynein, axonemal, light intermediate polypeptide 1

[NPU42693](#)

DNA(spec.)—DNALI1 gene; seq.var. = ?

DNA(specification)—**DNASE1 gene;****sequence variation**

name of component: deoxyribonuclease I

[NPU32345](#)

DNA(spec.)—DNASE1 gene; seq.var. = ?

DNA(specification)—**DNASE1L1 gene;****sequence variation**

name of component: deoxyribonuclease I-like 1

[NPU32346](#)

DNA(spec.)—DNASE1L1 gene; seq.var. = ?

DNA(specification)—**DNASE1L2 gene;****sequence variation**

name of component: deoxyribonuclease I-like 2

[NPU32347](#)

DNA(spec.)—DNASE1L2 gene; seq.var. = ?

DNA(specification)—**DNASE1L3 gene;****sequence variation**

name of component: deoxyribonuclease I-like 3

[NPU32348](#)

DNA(spec.)—DNASE1L3 gene; seq.var. = ?

DNA(specification)—**DNASE2 gene;****sequence variation**

name of component: deoxyribonuclease II, lysosomal

[NPU32349](#)

DNA(spec.)—DNASE2 gene; seq.var. = ?

DNA(specification)—**DNB5 gene;****sequence variation**

name of component: deleted in neuroblastoma 5

[NPU46183](#)

DNA(spec.)—DNB5 gene; seq.var. = ?

DNA(specification)—**DNCH1 gene;****sequence variation**

name of component: dynein, cytoplasmic, heavy polypeptide 1

[NPU32350](#)

DNA(spec.)—DNCH1 gene; seq.var. = ?

DNA(specification)—**DNCH2 gene;****sequence variation**

name of component: dynein, cytoplasmic, heavy polypeptide 2

[NPU32351](#)

DNA(spec.)—DNCH2 gene; seq.var. = ?

DNA(specification)—**DNCI1 gene;****sequence variation**

name of component: dynein, cytoplasmic, intermediate polypeptide 1

[NPU32352](#)

DNA(spec.)—DNCI1 gene; seq.var. = ?

DNA(specification)—**DNCI2 gene;****sequence variation**

name of component: dynein, cytoplasmic, intermediate polypeptide 2

[NPU32353](#)

DNA(spec.)—DNCI2 gene; seq.var. = ?

DNA(specification)—**DNCL1 gene;****sequence variation**

name of component: dynein, cytoplasmic, light polypeptide 1

[NPU43691](#)

DNA(spec.)—DNCL1 gene; seq.var. = ?

DNA(specification)—**DNCL1P1 gene;****sequence variation**

name of component: dynein, cytoplasmic, light polypeptide 1 pseudogene 1

[NPU47733](#)

DNA(spec.)—DNCL1P1 gene; seq.var. = ?

DNA(specification)—**DNCL1P2 gene;****sequence variation**

name of component: dynein, cytoplasmic, light polypeptide 1 pseudogene 2

[NPU47734](#)

DNA(spec.)—DNCL1P2 gene; seq.var. = ?

DNA(specification)—**DNCL2A gene;****sequence variation**

name of component: dynein, cytoplasmic, light polypeptide 2A

[NPU43683](#)

DNA(spec.)—DNCL2A gene; seq.var. = ?

DNA(specification)—**DNCL2B gene;****sequence variation**

name of component: dynein, cytoplasmic, light polypeptide 2B

[NPU43682](#)

DNA(spec.)—DNCL2B gene; seq.var. = ?

DNA(specification)—**DNCLI1 gene;****sequence variation**

name of component: dynein, cytoplasmic, light intermediate polypeptide 1

[NPU46651](#)

DNA(spec.)—DNCLI1 gene; seq.var. = ?

DNA(specification)—**DNCLI2 gene;****sequence variation**

name of component: dynein, cytoplasmic, light intermediate polypeptide 2

[NPU32354](#)

DNA(spec.)—DNCLI2 gene; seq.var. = ?

DNA(specification)—**DNCM gene;****sequence variation**

name of component: DNA associated with cytoplasmic membrane

[NPU32355](#)

DNA(spec.)—DNCM gene; seq.var. = ?

DNA(specification)—**DNM1 gene;****sequence variation**

name of component: dynamin 1

[NPU32356](#)

DNA(spec.)—DNM1 gene; seq.var. = ?

DNA(specification)—
DNM1L gene;
sequence variation
 name of component: dynamin 1-like
[NPU32357](#)
 DNA(spec.)—DNM1L gene; seq.var. = ?

DNA(specification)—
DNM2 gene;
sequence variation
 name of component: dynamin 2
[NPU32358](#)
 DNA(spec.)—DNM2 gene; seq.var. = ?

DNA(specification)—
DNMT1 gene;
sequence variation
 name of component: DNA (cytosine-5-)-methyltransferase 1
[NPU32359](#)
 DNA(spec.)—DNMT1 gene; seq.var. = ?

DNA(specification)—
DNMT2 gene;
sequence variation
 name of component: DNA (cytosine-5-)-methyltransferase 2
[NPU32360](#)
 DNA(spec.)—DNMT2 gene; seq.var. = ?

DNA(specification)—
DNMT3A gene;
sequence variation
 name of component: DNA (cytosine-5-)-methyltransferase 3 alpha
[NPU32361](#)
 DNA(spec.)—DNMT3A gene; seq.var. = ?

DNA(specification)—
DNMT3B gene;
sequence variation
 name of component: DNA (cytosine-5-)-methyltransferase 3 beta
[NPU32362](#)
 DNA(spec.)—DNMT3B gene; seq.var. = ?

DNA(specification)—
DNMT3L gene;
sequence variation
 name of component: DNA (cytosine-5-)-methyltransferase 3-like
[NPU32363](#)
 DNA(spec.)—DNMT3L gene; seq.var. = ?

DNA(specification)—
DNPEP gene;
sequence variation
 name of component: aspartyl aminopeptidase
[NPU32364](#)
 DNA(spec.)—DNPEP gene; seq.var. = ?

DNA(specification)—
DNTT gene;
sequence variation
 name of component: deoxynucleotidyltransferase, terminal
[NPU32365](#)
 DNA(spec.)—DNTT gene; seq.var. = ?

DNA(specification)—
DO gene;
sequence variation
 name of component: Dombrock blood group
[NPU30584](#)
 DNA(spec.)—DO gene; seq.var. = ?

DNA(specification)—
DOC2A gene;
sequence variation
 name of component: double C2-like domains, alpha
[NPU32366](#)
 DNA(spec.)—DOC2A gene; seq.var. = ?

DNA(specification)—
DOC2B gene;
sequence variation
 name of component: double C2-like domains, beta
[NPU32367](#)
 DNA(spec.)—DOC2B gene; seq.var. = ?

DNA(specification)—
DOCK1 gene;
sequence variation
 name of component: dedicator of cyto-kinesis 1
[NPU32368](#)
 DNA(spec.)—DOCK1 gene; seq.var. = ?

DNA(specification)—
DOCK2 gene;
sequence variation
 name of component: dedicator of cyto-kinesis 2
[NPU32369](#)
 DNA(spec.)—DOCK2 gene; seq.var. = ?

DNA(specification)—
DOCK3 gene;
sequence variation
 name of component: dedicator of cyto-kinesis 3
[NPU32370](#)
 DNA(spec.)—DOCK3 gene; seq.var. = ?

DNA(specification)—
DOK1 gene;
sequence variation
 name of component: docking protein 1, 62 kDa (downstream of tyrosine kinase 1)
[NPU32371](#)
 DNA(spec.)—DOK1 gene; seq.var. = ?

DNA(specification)—**DOK2 gene;****sequence variation**

name of component: docking protein 2, 56 kDa

[NPU32372](#)

DNA(spec.)—DOK2 gene; seq.var. = ?

DNA(specification)—**DOK4 gene;****sequence variation**

name of component: docking protein 4

[NPU47287](#)

DNA(spec.)—DOK4 gene; seq.var. = ?

DNA(specification)—**DOK5 gene;****sequence variation**

name of component: docking protein 5

[NPU44217](#)

DNA(spec.)—DOK5 gene; seq.var. = ?

DNA(specification)—**DOM3Z gene;****sequence variation**

name of component: dom-3 homolog Z (C. elegans)

[NPU32373](#)

DNA(spec.)—DOM3Z gene; seq.var. = ?

DNA(specification)—**DONSON gene;****sequence variation**

name of component: downstream neighbor of SON

[NPU32374](#)

DNA(spec.)—DONSON gene; seq.var. = ?

DNA(specification)—**DPAGT1 gene;****sequence variation**

name of component: dolichyl-phosphate (UDP-N-acetylglucosamine) N-acetylglucosaminophosphotransferase 1 (GlcNAc-1-P transferase)

[NPU32375](#)

DNA(spec.)—DPAGT1 gene; seq.var. = ?

DNA(specification)—**DPEP1 gene;****sequence variation**

name of component: dipeptidase 1 (renal)

[NPU32376](#)

DNA(spec.)—DPEP1 gene; seq.var. = ?

DNA(specification)—**DPF1 gene;****sequence variation**

name of component: D4, zinc and double PHD fingers family 1

[NPU47499](#)

DNA(spec.)—DPF1 gene; seq.var. = ?

DNA(specification)—**DPF3 gene;****sequence variation**

name of component: D4, zinc and double PHD fingers, family 3

[NPU46023](#)

DNA(spec.)—DPF3 gene; seq.var. = ?

DNA(specification)—**DPH2L1 gene;****sequence variation**

name of component: diphtheria toxin resistance protein required for diphthamide biosynthesis-like 1 (S. cerevisiae)

[NPU32377](#)

DNA(spec.)—DPH2L1 gene; seq.var. = ?

DNA(specification)—**DPH2L2 gene;****sequence variation**

name of component: diphtheria toxin resistance protein required for diphthamide biosynthesis-like 2 (S. cerevisiae)

[NPU32378](#)

DNA(spec.)—DPH2L2 gene; seq.var. = ?

DNA(specification)—**DPM1 gene;****sequence variation**

name of component: dolichyl-phosphate mannosyltransferase polypeptide 1, catalytic subunit

[NPU32379](#)

DNA(spec.)—DPM1 gene; seq.var. = ?

DNA(specification)—**DPM2 gene;****sequence variation**

name of component: dolichyl-phosphate mannosyltransferase polypeptide 2, regulatory subunit

[NPU32380](#)

DNA(spec.)—DPM2 gene; seq.var. = ?

DNA(specification)—**DPM3 gene;****sequence variation**

name of component: dolichyl-phosphate mannosyltransferase polypeptide 3

[NPU32381](#)

DNA(spec.)—DPM3 gene; seq.var. = ?

DNA(specification)—**DPP3 gene;****sequence variation**

name of component: dipeptidylpeptidase 3

[NPU32382](#)

DNA(spec.)—DPP3 gene; seq.var. = ?

DNA(specification)—**DPP4 gene;****sequence variation**

name of component: dipeptidylpeptidase 4 (CD26, adenosine deaminase complexing protein 2)

[NPU32383](#)

DNA(spec.)—DPP4 gene; seq.var. = ?

DNA(specification)—**DPP6 gene;****sequence variation**

name of component: dipeptidylpeptidase 6

[NPU32384](#)

DNA(spec.)—DPP6 gene; seq.var. = ?

DNA(specification)—**DPP7 gene;****sequence variation**

name of component: dipeptidylpeptidase 7

[NPU43144](#)

DNA(spec.)—DPP7 gene; seq.var. = ?

DNA(specification)—**DPP8 gene;****sequence variation**

name of component: dipeptidylpeptidase 8

[NPU44480](#)

DNA(spec.)—DPP8 gene; seq.var. = ?

DNA(specification)—**DPP9 gene;****sequence variation**

name of component: dipeptidylpeptidase 9

[NPU46596](#)

DNA(spec.)—DPP9 gene; seq.var. = ?

DNA(specification)—**DPT gene;****sequence variation**

name of component: dermatopontin

[NPU32385](#)

DNA(spec.)—DPT gene; seq.var. = ?

DNA(specification)—**DPYD gene;****sequence variation**

name of component: dihydropyrimidine dehydrogenase

[NPU19060](#)

DNA(spec.)—DPYD gene; seq.var. = ?

DNA(specification)—**DPYS gene;****sequence variation**

name of component: dihydropyrimidinase

[NPU32386](#)

DNA(spec.)—DPYS gene; seq.var. = ?

DNA(specification)—**DPYSL2 gene;****sequence variation**

name of component: dihydropyrimidinase-like 2

[NPU32387](#)

DNA(spec.)—DPYSL2 gene; seq.var. = ?

DNA(specification)—**DPYSL3 gene;****sequence variation**

name of component: dihydropyrimidinase-like 3

[NPU32388](#)

DNA(spec.)—DPYSL3 gene; seq.var. = ?

DNA(specification)—**DPYSL4 gene;****sequence variation**

name of component: dihydropyrimidinase-like 4

[NPU32389](#)

DNA(spec.)—DPYSL4 gene; seq.var. = ?

DNA(specification)—**DPYSL5 gene;****sequence variation**

name of component: dihydropyrimidinase-like 5

[NPU47694](#)

DNA(spec.)—DPYSL5 gene; seq.var. = ?

DNA(specification)—**DR1 gene;****sequence variation**

name of component: down-regulator of transcription 1, TBP-binding (negative cofactor 2)

[NPU32390](#)

DNA(spec.)—DR1 gene; seq.var. = ?

DNA(specification)—**DRAP1 gene;****sequence variation**

name of component: DR1-associated protein 1 (negative cofactor 2 alpha)

[NPU32392](#)

DNA(spec.)—DRAP1 gene; seq.var. = ?

DNA(specification)—**DRD1 gene;****sequence variation**

name of component: dopamine receptor D1

[NPU32393](#)

DNA(spec.)—DRD1 gene; seq.var. = ?

DNA(specification)—**DRD2 gene;****sequence variation**

name of component: dopamine receptor D2

[NPU32394](#)

DNA(spec.)—DRD2 gene; seq.var. = ?

DNA(specification)—**DRD3 gene;****sequence variation**

name of component: dopamine receptor D3

[NPU32395](#)

DNA(spec.)—DRD3 gene; seq.var. = ?

DNA(specification)—**DRD4 gene;****sequence variation**

name of component: dopamine receptor D4

[NPU32396](#)

DNA(spec.)—DRD4 gene; seq.var. = ?

DNA(specification)—**DRD5 gene;****sequence variation**

name of component: dopamine receptor D5

[NPU32397](#)

DNA(spec.)—DRD5 gene; seq.var. = ?

DNA(specification)—**DRD5P1 gene;****sequence variation**

name of component: dopamine receptor D5 pseudogene 1

[NPU32398](#)

DNA(spec.)—DRD5P1 gene; seq.var. = ?

DNA(specification)—**DRD5P2 gene;****sequence variation**

name of component: dopamine receptor D5 pseudogene 2

[NPU32399](#)

DNA(spec.)—DRD5P2 gene; seq.var. = ?

DNA(specification)—**DRG1 gene;****sequence variation**

name of component: developmentally regulated GTP binding protein 1

[NPU32400](#)

DNA(spec.)—DRG1 gene; seq.var. = ?

DNA(specification)—**DRG2 gene;****sequence variation**

name of component: developmentally regulated GTP binding protein 2

[NPU32401](#)

DNA(spec.)—DRG2 gene; seq.var. = ?

DNA(specification)—**DRIL1 gene;****sequence variation**

name of component: dead ringer-like 1 (Drosophila)

[NPU32402](#)

DNA(spec.)—DRIL1 gene; seq.var. = ?

DNA(specification)—**DRP2 gene;****sequence variation**

name of component: dystrophin related protein 2

[NPU32403](#)

DNA(spec.)—DRP2 gene; seq.var. = ?

DNA(specification)—**DRPLA gene;****sequence variation**

name of component: dentatorubral-pallidoluysian atrophy (atrophin-1)

[NPU19061](#)

DNA(spec.)—DRPLA gene; seq.var. = ?

DNA(specification)—**DSC1 gene;****sequence variation**

name of component: desmocollin 1

[NPU32404](#)

DNA(spec.)—DSC1 gene; seq.var. = ?

DNA(specification)—**DSC2 gene;****sequence variation**

name of component: desmocollin 2

[NPU32405](#)

DNA(spec.)—DSC2 gene; seq.var. = ?

DNA(specification)—**DSC3 gene;****sequence variation**

name of component: desmocollin 3

[NPU32406](#)

DNA(spec.)—DSC3 gene; seq.var. = ?

DNA(specification)—**DSCAM gene;****sequence variation**

name of component: Down syndrome cell adhesion molecule

[NPU32407](#)

DNA(spec.)—DSCAM gene; seq.var. = ?

DNA(specification)—**DSCAML1 gene;****sequence variation**

name of component: Down syndrome cell adhesion molecule like 1

[NPU42925](#)

DNA(spec.)—DSCAML1 gene; seq.var. = ?

DNA(specification)—**DSCR1 gene;****sequence variation**

name of component: Down syndrome critical region gene 1

[NPU32408](#)

DNA(spec.)—DSCR1 gene; seq.var. = ?

DNA(specification)—**DSCR10 gene;****sequence variation**

name of component: Down syndrome critical region gene 10

[NPU44336](#)

DNA(spec.)—DSCR10 gene; seq.var. = ?

DNA(specification)—**DSCR1L1 gene;****sequence variation**

name of component: Down syndrome critical region gene 1-like 1

[NPU32409](#)

DNA(spec.)—DSCR1L1 gene; seq.var. = ?

DNA(specification)—**DSCR1L2 gene;****sequence variation**

name of component: Down syndrome critical region gene 1-like 2

[NPU32410](#)

DNA(spec.)—DSCR1L2 gene; seq.var. = ?

DNA(specification)—**DSCR2 gene;****sequence variation**

name of component: Down syndrome critical region gene 2

[NPU32411](#)

DNA(spec.)—DSCR2 gene; seq.var. = ?

DNA(specification)—**DSCR3 gene;****sequence variation**

name of component: Down syndrome critical region gene 3

[NPU32412](#)

DNA(spec.)—DSCR3 gene; seq.var. = ?

DNA(specification)—**DSCR4 gene;****sequence variation**

name of component: Down syndrome critical region gene 4

[NPU32413](#)

DNA(spec.)—DSCR4 gene; seq.var. = ?

DNA(specification)—**DSCR5 gene;****sequence variation**

name of component: Down syndrome critical region gene 5

[NPU32414](#)

DNA(spec.)—DSCR5 gene; seq.var. = ?

DNA(specification)—**DSCR6 gene;****sequence variation**

name of component: Down syndrome critical region gene 6

[NPU32415](#)

DNA(spec.)—DSCR6 gene; seq.var. = ?

DNA(specification)—**DSCR8 gene;****sequence variation**

name of component: Down syndrome critical region gene 8

[NPU44649](#)

DNA(spec.)—DSCR8 gene; seq.var. = ?

DNA(specification)—**DSCR9 gene;****sequence variation**

name of component: Down syndrome critical region gene 9

[NPU44335](#)

DNA(spec.)—DSCR9 gene; seq.var. = ?

DNA(specification)—**DSG1 gene;****sequence variation**

name of component: desmoglein 1

[NPU32416](#)

DNA(spec.)—DSG1 gene; seq.var. = ?

DNA(specification)—**DSG2 gene;****sequence variation**

name of component: desmoglein 2

[NPU32417](#)

DNA(spec.)—DSG2 gene; seq.var. = ?

DNA(specification)—**DSG3 gene;****sequence variation**

name of component: desmoglein 3 (pemphigus vulgaris antigen)

[NPU32418](#)

DNA(spec.)—DSG3 gene; seq.var. = ?

DNA(specification)—**DSIPI gene;****sequence variation**

name of component: delta sleep inducing peptide, immunoreactor

[NPU32419](#)

DNA(spec.)—DSIPI gene; seq.var. = ?

DNA(specification)—**DSP gene;****sequence variation**

name of component: desmoplakin

[NPU32420](#)

DNA(spec.)—DSP gene; seq.var. = ?

DNA(specification)—
DSPG3 gene;
sequence variation
 name of component: dermatan sulfate proteoglycan 3
[NPU32421](#)
 DNA(spec.)—DSPG3 gene; seq.var. = ?

DNA(specification)—
DSPP gene;
sequence variation
 name of component: dentin sialophosphoprotein
[NPU32422](#)
 DNA(spec.)—DSPP gene; seq.var. = ?

DNA(specification)—
DSS gene;
sequence variation
 name of component: dosage-sensitive sex reversal
[NPU32423](#)
 DNA(spec.)—DSS gene; seq.var. = ?

DNA(specification)—
DSTN gene;
sequence variation
 name of component: destrin (actin depolymerizing factor)
[NPU43870](#)
 DNA(spec.)—DSTN gene; seq.var. = ?

DNA(specification)—
DTNA gene;
sequence variation
 name of component: dystrobrevin, alpha
[NPU32424](#)
 DNA(spec.)—DTNA gene; seq.var. = ?

DNA(specification)—
DTNB gene;
sequence variation
 name of component: dystrobrevin, beta
[NPU32425](#)
 DNA(spec.)—DTNB gene; seq.var. = ?

DNA(specification)—
DTNBP1 gene;
sequence variation
 name of component: dystrobrevin binding protein 1
[NPU44980](#)
 DNA(spec.)—DTNBP1 gene; seq.var. = ?

DNA(specification)—
DTR gene;
sequence variation
 name of component: diphtheria toxin receptor (heparin-binding epidermal growth factor-like growth factor)
[NPU32426](#)
 DNA(spec.)—DTR gene; seq.var. = ?

DNA(specification)—
DTX1 gene;
sequence variation
 name of component: deltex homolog 1 (Drosophila)
[NPU32427](#)
 DNA(spec.)—DTX1 gene; seq.var. = ?

DNA(specification)—
DTX2 gene;
sequence variation
 name of component: deltex homolog 2 (Drosophila)
[NPU44051](#)
 DNA(spec.)—DTX2 gene; seq.var. = ?

DNA(specification)—
DTYMK gene;
sequence variation
 name of component: deoxythymidylate kinase (thymidylate kinase)
[NPU32428](#)
 DNA(spec.)—DTYMK gene; seq.var. = ?

DNA(specification)—
DUFD1 gene;
sequence variation
 name of component: DUF729 domain containing 1
[NPU47876](#)
 DNA(spec.)—DUFD1 gene; seq.var. = ?

DNA(specification)—
DULLARD gene;
sequence variation
 name of component: dullard homolog (Xenopus laevis)
[NPU46853](#)
 DNA(spec.)—DULLARD gene; seq.var. = ?

DNA(specification)—
DUOX1 gene;
sequence variation
 name of component: dual oxidase 1
[NPU32429](#)
 DNA(spec.)—DUOX1 gene; seq.var. = ?

DNA(specification)—
DUOX2 gene;
sequence variation
 name of component: dual oxidase 2
[NPU42075](#)
 DNA(spec.)—DUOX2 gene; seq.var. = ?

DNA(specification)—**DURS1 gene;****sequence variation**

name of component: Duane's retraction syndrome 1

[NPU32430](#)

DNA(spec.)—DURS1 gene; seq.var. = ?

DNA(specification)—**DUSP1 gene;****sequence variation**

name of component: dual specificity phosphatase 1

[NPU32431](#)

DNA(spec.)—DUSP1 gene; seq.var. = ?

DNA(specification)—**DUSP10 gene;****sequence variation**

name of component: dual specificity phosphatase 10

[NPU32432](#)

DNA(spec.)—DUSP10 gene; seq.var. = ?

DNA(specification)—**DUSP11 gene;****sequence variation**

name of component: dual specificity phosphatase 11 (RNA/RNP complex 1-interacting)

[NPU32433](#)

DNA(spec.)—DUSP11 gene; seq.var. = ?

DNA(specification)—**DUSP12 gene;****sequence variation**

name of component: dual specificity phosphatase 12

[NPU32434](#)

DNA(spec.)—DUSP12 gene; seq.var. = ?

DNA(specification)—**DUSP13 gene;****sequence variation**

name of component: dual specificity phosphatase 13

[NPU47152](#)

DNA(spec.)—DUSP13 gene; seq.var. = ?

DNA(specification)—**DUSP14 gene;****sequence variation**

name of component: dual specificity phosphatase 14

[NPU44808](#)

DNA(spec.)—DUSP14 gene; seq.var. = ?

DNA(specification)—**DUSP15 gene;****sequence variation**

name of component: dual specificity phosphatase-like 15

[NPU44279](#)

DNA(spec.)—DUSP15 gene; seq.var. = ?

DNA(specification)—**DUSP16 gene;****sequence variation**

name of component: dual specificity phosphatase 16

[NPU46169](#)

DNA(spec.)—DUSP16 gene; seq.var. = ?

DNA(specification)—**DUSP18 gene;****sequence variation**

name of component: dual specificity phosphatase 18

[NPU46490](#)

DNA(spec.)—DUSP18 gene; seq.var. = ?

DNA(specification)—**DUSP19 gene;****sequence variation**

name of component: dual specificity phosphatase 19

[NPU46737](#)

DNA(spec.)—DUSP19 gene; seq.var. = ?

DNA(specification)—**DUSP2 gene;****sequence variation**

name of component: dual specificity phosphatase 2

[NPU32435](#)

DNA(spec.)—DUSP2 gene; seq.var. = ?

DNA(specification)—**DUSP21 gene;****sequence variation**

name of component: dual specificity phosphatase 21

[NPU47639](#)

DNA(spec.)—DUSP21 gene; seq.var. = ?

DNA(specification)—**DUSP22 gene;****sequence variation**

name of component: dual specificity phosphatase 22

[NPU44128](#)

DNA(spec.)—DUSP22 gene; seq.var. = ?

DNA(specification)—**DUSP3 gene;****sequence variation**

name of component: dual specificity phosphatase 3
(vaccinia virus phosphatase VH1-related)

[NPU32436](#)

DNA(spec.)—DUSP3 gene; seq.var. = ?

DNA(specification)—**DUSP4 gene;****sequence variation**

name of component: dual specificity phosphatase 4

[NPU32437](#)

DNA(spec.)—DUSP4 gene; seq.var. = ?

DNA(specification)—**DUSP5 gene;****sequence variation**

name of component: dual specificity phosphatase 5

[NPU32438](#)

DNA(spec.)—DUSP5 gene; seq.var. = ?

DNA(specification)—**DUSP6 gene;****sequence variation**

name of component: dual specificity phosphatase 6

[NPU32439](#)

DNA(spec.)—DUSP6 gene; seq.var. = ?

DNA(specification)—**DUSP7 gene;****sequence variation**

name of component: dual specificity phosphatase 7

[NPU32440](#)

DNA(spec.)—DUSP7 gene; seq.var. = ?

DNA(specification)—**DUSP8 gene;****sequence variation**

name of component: dual specificity phosphatase 8

[NPU32441](#)

DNA(spec.)—DUSP8 gene; seq.var. = ?

DNA(specification)—**DUSP8P gene;****sequence variation**

name of component: dual specificity phosphatase 8
pseudogene

[NPU32442](#)

DNA(spec.)—DUSP8P gene; seq.var. = ?

DNA(specification)—**DUSP9 gene;****sequence variation**

name of component: dual specificity phosphatase 9

[NPU32443](#)

DNA(spec.)—DUSP9 gene; seq.var. = ?

DNA(specification)—**DUSPP gene;****sequence variation**

name of component: dual specificity phosphatase
pseudogene

[NPU32444](#)

DNA(spec.)—DUSPP gene; seq.var. = ?

DNA(specification)—**DUT gene;****sequence variation**

name of component: dUTP pyrophosphatase

[NPU32445](#)

DNA(spec.)—DUT gene; seq.var. = ?

DNA(specification)—**DUX1 gene;****sequence variation**

name of component: double homeobox, 1

[NPU32446](#)

DNA(spec.)—DUX1 gene; seq.var. = ?

DNA(specification)—**DUX2 gene;****sequence variation**

name of component: double homeobox, 2

[NPU32447](#)

DNA(spec.)—DUX2 gene; seq.var. = ?

DNA(specification)—**DUX3 gene;****sequence variation**

name of component: double homeobox, 3

[NPU32448](#)

DNA(spec.)—DUX3 gene; seq.var. = ?

DNA(specification)—**DUX4 gene;****sequence variation**

name of component: double homeobox, 4

[NPU32449](#)

DNA(spec.)—DUX4 gene; seq.var. = ?

DNA(specification)—**DUX5 gene;****sequence variation**

name of component: double homeobox, 5

[NPU32450](#)

DNA(spec.)—DUX5 gene; seq.var. = ?

DNA(specification)—**DVL1 gene;****sequence variation**

name of component: dishevelled, dsh homolog 1
(Drosophila)

[NPU32451](#)

DNA(spec.)—DVL1 gene; seq.var. = ?

DNA(specification)—**DVL1L1 gene;****sequence variation**

name of component: dishevelled, dsh homolog 1 (Drosophila)-like 1

[NPU32452](#)

DNA(spec.)—DVL1L1 gene; seq.var. = ?

DNA(specification)—**DVL2 gene;****sequence variation**

name of component: dishevelled, dsh homolog 2 (Drosophila)

[NPU32453](#)

DNA(spec.)—DVL2 gene; seq.var. = ?

DNA(specification)—**DVL3 gene;****sequence variation**

name of component: dishevelled, dsh homolog 3 (Drosophila)

[NPU32454](#)

DNA(spec.)—DVL3 gene; seq.var. = ?

DNA(specification)—**DWS gene;****sequence variation**

name of component: dandy-walker syndrome

[NPU32455](#)

DNA(spec.)—DWS gene; seq.var. = ?

DNA(specification)—**DYRK1A gene;****sequence variation**

name of component: dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1A

[NPU32456](#)

DNA(spec.)—DYRK1A gene; seq.var. = ?

DNA(specification)—**DYRK1AIP1 gene;****sequence variation**

name of component: DYRK1A interacting protein 1

[NPU42726](#)

DNA(spec.)—DYRK1AIP1 gene; seq.var. = ?

DNA(specification)—**DYRK1AIP2 gene;****sequence variation**

name of component: DYRK1A interacting protein 2

[NPU42773](#)

DNA(spec.)—DYRK1AIP2 gene; seq.var. = ?

DNA(specification)—**DYRK1AIP3 gene;****sequence variation**

name of component: DYRK1A interacting protein 3

[NPU42728](#)

DNA(spec.)—DYRK1AIP3 gene; seq.var. = ?

DNA(specification)—**DYRK1B gene;****sequence variation**

name of component: dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1B

[NPU32457](#)

DNA(spec.)—DYRK1B gene; seq.var. = ?

DNA(specification)—**DYRK2 gene;****sequence variation**

name of component: dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 2

[NPU32458](#)

DNA(spec.)—DYRK2 gene; seq.var. = ?

DNA(specification)—**DYRK3 gene;****sequence variation**

name of component: dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3

[NPU32459](#)

DNA(spec.)—DYRK3 gene; seq.var. = ?

DNA(specification)—**DYRK4 gene;****sequence variation**

name of component: dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 4

[NPU32460](#)

DNA(spec.)—DYRK4 gene; seq.var. = ?

DNA(specification)—**DYS gene;****sequence variation**

name of component: dysautonomia (Riley-Day syndrome, hereditary sensory autonomic neuropathy type III)

[NPU32461](#)

DNA(spec.)—DYS gene; seq.var. = ?

DNA(specification)—**DYSF gene;****sequence variation**

name of component: dysferlin, limb girdle muscular dystrophy 2B (autosomal recessive)

[NPU32462](#)

DNA(spec.)—DYSF gene; seq.var. = ?

DNA(specification)—**DYSFIP1 gene;****sequence variation**

name of component: dysferlin interacting protein 1 (toonin)

[NPU44712](#)

DNA(spec.)—DYSFIP1 gene; seq.var. = ?

DNA(specification)—**DYT1 gene;****sequence variation**

name of component: dystonia 1, torsion (autosomal dominant; torsin A)

[NPU32463](#)

DNA(spec.)—DYT1 gene; seq.var. = ?

DNA(specification)—**DYT12 gene;****sequence variation**

name of component: dystonia 12

[NPU32464](#)

DNA(spec.)—DYT12 gene; seq.var. = ?

DNA(specification)—**DYT13 gene;****sequence variation**

name of component: dystonia 13, torsion

[NPU32465](#)

DNA(spec.)—DYT13 gene; seq.var. = ?

DNA(specification)—**DYT14 gene;****sequence variation**

name of component: dystonia 14

[NPU43181](#)

DNA(spec.)—DYT14 gene; seq.var. = ?

DNA(specification)—**DYT2 gene;****sequence variation**

name of component: dystonia 2, torsion (autosomal recessive)

[NPU32466](#)

DNA(spec.)—DYT2 gene; seq.var. = ?

DNA(specification)—**DYT3 gene;****sequence variation**

name of component: dystonia 3 (with Parkinsonism)

[NPU32467](#)

DNA(spec.)—DYT3 gene; seq.var. = ?

DNA(specification)—**DYT4 gene;****sequence variation**

name of component: dystonia 4, torsion (autosomal dominant)

[NPU32468](#)

DNA(spec.)—DYT4 gene; seq.var. = ?

DNA(specification)—**DYT6 gene;****sequence variation**

name of component: dystonia 6, torsion (autosomal dominant)

[NPU32469](#)

DNA(spec.)—DYT6 gene; seq.var. = ?

DNA(specification)—**DYT7 gene;****sequence variation**

name of component: dystonia 7, torsion (autosomal dominant)

[NPU32470](#)

DNA(spec.)—DYT7 gene; seq.var. = ?

DNA(specification)—**DYX1 gene;****sequence variation**

name of component: dyslexia susceptibility 1

[NPU32471](#)

DNA(spec.)—DYX1 gene; seq.var. = ?

DNA(specification)—**DYX2 gene;****sequence variation**

name of component: dyslexia susceptibility 2

[NPU32472](#)

DNA(spec.)—DYX2 gene; seq.var. = ?

DNA(specification)—**DYX3 gene;****sequence variation**

name of component: dyslexia susceptibility 3

[NPU32473](#)

DNA(spec.)—DYX3 gene; seq.var. = ?

DNA(specification)—**DYX4 gene;****sequence variation**

name of component: dyslexia susceptibility 4

[NPU32474](#)

DNA(spec.)—DYX4 gene; seq.var. = ?

DNA(specification)—**DYX5 gene;****sequence variation**

name of component: dyslexia susceptibility 5

[NPU46415](#)

DNA(spec.)—DYX5 gene; seq.var. = ?

DNA(specification)—**DYX6 gene;****sequence variation**

name of component: dyslexia susceptibility 6

[NPU46989](#)

DNA(spec.)—DYX6 gene; seq.var. = ?

DNA(specification)—**DYX7 gene;****sequence variation**

name of component: dyslexia susceptibility 7

[NPU46972](#)

DNA(spec.)—DYX7 gene; seq.var. = ?

DNA(specification)—**DAAM1 gene;****sequence variation**

name of component: dishevelled associated activator of morphogenesis 1

[NPU46320](#)

DNA(spec.)—DAAM1 gene; seq.var. = ?

DNA(specification)—**DAAM2 gene;****sequence variation**

name of component: dishevelled associated activator of morphogenesis 2

[NPU46321](#)

DNA(spec.)—DAAM2 gene; seq.var. = ?

DNA(specification)—**E11S gene;****sequence variation**

name of component: ECHO virus (serotypes 4, 6, 11, 19) sensitivity

[NPU32475](#)

DNA(spec.)—E11S gene; seq.var. = ?

DNA(specification)—**E2F1 gene;****sequence variation**

name of component: E2F transcription factor 1

[NPU32476](#)

DNA(spec.)—E2F1 gene; seq.var. = ?

DNA(specification)—**E2F2 gene;****sequence variation**

name of component: E2F transcription factor 2

[NPU32477](#)

DNA(spec.)—E2F2 gene; seq.var. = ?

DNA(specification)—**E2F3 gene;****sequence variation**

name of component: E2F transcription factor 3

[NPU32478](#)

DNA(spec.)—E2F3 gene; seq.var. = ?

DNA(specification)—**E2F3P1 gene;****sequence variation**

name of component: E2F transcription factor 3 pseudogene 1

[NPU32479](#)

DNA(spec.)—E2F3P1 gene; seq.var. = ?

DNA(specification)—**E2F3P2 gene;****sequence variation**

name of component: E2F transcription factor 3

pseudogene 2

[NPU32480](#)

DNA(spec.)—E2F3P2 gene; seq.var. = ?

DNA(specification)—**E2F4 gene;****sequence variation**

name of component: E2F transcription factor 4, p107/p130-binding

[NPU32481](#)

DNA(spec.)—E2F4 gene; seq.var. = ?

DNA(specification)—**E2F5 gene;****sequence variation**

name of component: E2F transcription factor 5, p130-binding

[NPU32482](#)

DNA(spec.)—E2F5 gene; seq.var. = ?

DNA(specification)—**E2F6 gene;****sequence variation**

name of component: E2F transcription factor 6

[NPU32483](#)

DNA(spec.)—E2F6 gene; seq.var. = ?

DNA(specification)—**E4F1 gene;****sequence variation**

name of component: E4F transcription factor 1

[NPU32484](#)

DNA(spec.)—E4F1 gene; seq.var. = ?

DNA(specification)—**EBAF gene;****sequence variation**

name of component: endometrial bleeding associated factor (left-right determination, factor A; transforming growth factor beta superfamily)

[NPU32485](#)

DNA(spec.)—EBAF gene; seq.var. = ?

DNA(specification)—**EBAG9 gene;****sequence variation**

name of component: estrogen receptor binding site associated, antigen, 9

[NPU32486](#)

DNA(spec.)—EBAG9 gene; seq.var. = ?

DNA(specification)—**EBF gene;****sequence variation**

name of component: early B-cell factor

[NPU32487](#)

DNA(spec.)—EBF gene; seq.var. = ?

DNA(specification)—**EBF2 gene;****sequence variation**

name of component: early B-cell factor 2

[NPU46857](#)

DNA(spec.)—EBF2 gene; seq.var. = ?

DNA(specification)—**EBF3 gene;****sequence variation**

name of component: early B-cell factor 3

[NPU46855](#)

DNA(spec.)—EBF3 gene; seq.var. = ?

DNA(specification)—**EBI2 gene;****sequence variation**

name of component: Epstein-Barr virus induced gene 2 (lymphocyte-specific G protein-coupled receptor)

[NPU32488](#)

DNA(spec.)—EBI2 gene; seq.var. = ?

DNA(specification)—**EBI3 gene;****sequence variation**

name of component: Epstein-Barr virus induced gene 3

[NPU32489](#)

DNA(spec.)—EBI3 gene; seq.var. = ?

DNA(specification)—**EBM gene;****sequence variation**

name of component: epidermolysis bullosa, macular type

[NPU32490](#)

DNA(spec.)—EBM gene; seq.var. = ?

DNA(specification)—**EBNA1BP2 gene;****sequence variation**

name of component: EBNA1 binding protein 2

[NPU43724](#)

DNA(spec.)—EBNA1BP2 gene; seq.var. = ?

DNA(specification)—**EBP gene;****sequence variation**

name of component: emopamil binding protein (sterol isomerase)

[NPU32491](#)

DNA(spec.)—EBP gene; seq.var. = ?

DNA(specification)—**EBR3 gene;****sequence variation**

name of component: epidermolysis bullosa 3, progressiva

[NPU32492](#)

DNA(spec.)—EBR3 gene; seq.var. = ?

DNA(specification)—**EBR4 gene;****sequence variation**

name of component: epidermolysis bullosa 4, pseudojunctional (intraepidermal)

[NPU32493](#)

DNA(spec.)—EBR4 gene; seq.var. = ?

DNA(specification)—**EBS1 gene;****sequence variation**

name of component: epidermolysis bullosa simplex 1 (Ogna)

[NPU32494](#)

DNA(spec.)—EBS1 gene; seq.var. = ?

DNA(specification)—**EBVM1 gene;****sequence variation**

name of component: Epstein Barr virus modification site 1

[NPU32495](#)

DNA(spec.)—EBVM1 gene; seq.var. = ?

DNA(specification)—**EBVS1 gene;****sequence variation**

name of component: Epstein Barr virus insertion site 1

[NPU32496](#)

DNA(spec.)—EBVS1 gene; seq.var. = ?

DNA(specification)—**ECA1 gene;****sequence variation**

name of component: epilepsy, childhood absence 1

[NPU32497](#)

DNA(spec.)—ECA1 gene; seq.var. = ?

DNA(specification)—**ECE1 gene;****sequence variation**

name of component: endothelin converting enzyme 1

[NPU32499](#)

DNA(spec.)—ECE1 gene; seq.var. = ?

DNA(specification)—**ECEL1 gene;****sequence variation**

name of component: endothelin converting enzyme-like 1

[NPU32500](#)

DNA(spec.)—ECEL1 gene; seq.var. = ?

DNA(specification)—**ECEL1P1 gene;****sequence variation**

name of component: endothelin converting enzyme-like 1, pseudogene 1

[NPU42451](#)

DNA(spec.)—ECEL1P1 gene; seq.var. = ?

DNA(specification)—**ECEL1P2 gene;****sequence variation**

name of component: endothelin converting enzyme-like 1, pseudogene 2

[NPU42453](#)

DNA(spec.)—ECEL1P2 gene; seq.var. = ?

DNA(specification)—**ECEL1P3 gene;****sequence variation**

name of component: endothelin converting enzyme-like 1, pseudogene 3

[NPU42452](#)

DNA(spec.)—ECEL1P3 gene; seq.var. = ?

DNA(specification)—**ECGF1 gene;****sequence variation**

name of component: endothelial cell growth factor 1 (platelet-derived)

[NPU32501](#)

DNA(spec.)—ECGF1 gene; seq.var. = ?

DNA(specification)—**ECH1 gene;****sequence variation**

name of component: enoyl Coenzyme A hydratase 1, peroxisomal

[NPU32502](#)

DNA(spec.)—ECH1 gene; seq.var. = ?

DNA(specification)—**ECHS1 gene;****sequence variation**

name of component: enoyl Coenzyme A hydratase, short chain, 1, mitochondrial

[NPU32503](#)

DNA(spec.)—ECHS1 gene; seq.var. = ?

DNA(specification)—**ECM1 gene;****sequence variation**

name of component: extracellular matrix protein 1

[NPU32504](#)

DNA(spec.)—ECM1 gene; seq.var. = ?

DNA(specification)—**ECM2 gene;****sequence variation**

name of component: extracellular matrix protein 2, female organ and adipocyte specific

[NPU32505](#)

DNA(spec.)—ECM2 gene; seq.var. = ?

DNA(specification)—**ECT2 gene;****sequence variation**

name of component: epithelial cell transforming sequence 2 oncogene

[NPU32506](#)

DNA(spec.)—ECT2 gene; seq.var. = ?

DNA(specification)—**ED1 gene;****sequence variation**

name of component: ectodermal dysplasia 1, anhidrotic

[NPU19062](#)

DNA(spec.)—ED1 gene; seq.var. = ?

DNA(specification)—**EDAR gene;****sequence variation**

name of component: ectodysplasin 1, anhidrotic receptor

[NPU32296](#)

DNA(spec.)—EDAR gene; seq.var. = ?

DNA(specification)—**EDARADD gene;****sequence variation**

name of component: EDAR-associated death domain

[NPU42684](#)

DNA(spec.)—EDARADD gene; seq.var. = ?

DNA(specification)—**EDF1 gene;****sequence variation**

name of component: endothelial differentiation-related factor 1

[NPU32507](#)

DNA(spec.)—EDF1 gene; seq.var. = ?

DNA(specification)—**EDG1 gene;****sequence variation**

name of component: endothelial differentiation,
sphingolipid G-protein-coupled receptor, 1

[NPU32508](#)

DNA(spec.)—EDG1 gene; seq.var. = ?

DNA(specification)—**EDG2 gene;****sequence variation**

name of component: endothelial differentiation,
lysophosphatidic acid G-protein-coupled receptor,
2

[NPU32509](#)

DNA(spec.)—EDG2 gene; seq.var. = ?

DNA(specification)—**EDG3 gene;****sequence variation**

name of component: endothelial differentiation,
sphingolipid G-protein-coupled receptor, 3

[NPU32510](#)

DNA(spec.)—EDG3 gene; seq.var. = ?

DNA(specification)—**EDG4 gene;****sequence variation**

name of component: endothelial differentiation,
lysophosphatidic acid G-protein-coupled receptor,
4

[NPU32511](#)

DNA(spec.)—EDG4 gene; seq.var. = ?

DNA(specification)—**EDG5 gene;****sequence variation**

name of component: endothelial differentiation,
sphingolipid G-protein-coupled receptor, 5

[NPU32512](#)

DNA(spec.)—EDG5 gene; seq.var. = ?

DNA(specification)—**EDG6 gene;****sequence variation**

name of component: endothelial differentiation, G-
protein-coupled receptor 6

[NPU32513](#)

DNA(spec.)—EDG6 gene; seq.var. = ?

DNA(specification)—**EDG7 gene;****sequence variation**

name of component: endothelial differentiation,
lysophosphatidic acid G-protein-coupled receptor,
7

[NPU42657](#)

DNA(spec.)—EDG7 gene; seq.var. = ?

DNA(specification)—**EDG8 gene;****sequence variation**

name of component: endothelial differentiation,
sphingolipid G-protein-coupled receptor, 8

[NPU42658](#)

DNA(spec.)—EDG8 gene; seq.var. = ?

DNA(specification)—**EDIL3 gene;****sequence variation**

name of component: EGF-like repeats and dis-
coidin I-like domains 3

[NPU32514](#)

DNA(spec.)—EDIL3 gene; seq.var. = ?

DNA(specification)—**EDN1 gene;****sequence variation**

name of component: endothelin 1

[NPU32515](#)

DNA(spec.)—EDN1 gene; seq.var. = ?

DNA(specification)—**EDN2 gene;****sequence variation**

name of component: endothelin 2

[NPU32516](#)

DNA(spec.)—EDN2 gene; seq.var. = ?

DNA(specification)—**EDN3 gene;****sequence variation**

name of component: endothelin 3

[NPU32517](#)

DNA(spec.)—EDN3 gene; seq.var. = ?

DNA(specification)—**EDNRA gene;****sequence variation**

name of component: endothelin receptor type A

[NPU32518](#)

DNA(spec.)—EDNRA gene; seq.var. = ?

DNA(specification)—**EDNRB gene;****sequence variation**

name of component: endothelin receptor type B

[NPU32519](#)

DNA(spec.)—EDNRB gene; seq.var. = ?

DNA(specification)—**EEA1 gene;****sequence variation**

name of component: early endosome antigen 1,
162kD

[NPU32522](#)

DNA(spec.)—EEA1 gene; seq.var. = ?

DNA(specification)—**EEC1 gene;****sequence variation**

name of component: ectrodactyly, ectodermal dysplasia and cleft lip/palate syndrome 1

[NPU32523](#)

DNA(spec.)—EEC1 gene; seq.var. = ?

DNA(specification)—**EEC2 gene;****sequence variation**

name of component: ectrodactyly, ectodermal dysplasia and cleft lip/palate syndrome 2

[NPU32524](#)

DNA(spec.)—EEC2 gene; seq.var. = ?

DNA(specification)—**EED gene;****sequence variation**

name of component: embryonic ectoderm development

[NPU32525](#)

DNA(spec.)—EED gene; seq.var. = ?

DNA(specification)—**EEF1A1 gene;****sequence variation**

name of component: eukaryotic translation elongation factor 1 alpha 1

[NPU32526](#)

DNA(spec.)—EEF1A1 gene; seq.var. = ?

DNA(specification)—**EEF1A1L14 gene;****sequence variation**

name of component: eukaryotic translation elongation factor 1 alpha 1-like 14

[NPU32527](#)

DNA(spec.)—EEF1A1L14 gene; seq.var. = ?

DNA(specification)—**EEF1A1P gene;****sequence variation**

name of component: eukaryotic translation elongation factor 1 alpha 1 pseudogene

[NPU32528](#)

DNA(spec.)—EEF1A1P gene; seq.var. = ?

DNA(specification)—**EEF1A1P2 gene;****sequence variation**

name of component: eukaryotic translation elongation factor 1 alpha 1 pseudogene 2

[NPU47352](#)

DNA(spec.)—EEF1A1P2 gene; seq.var. = ?

DNA(specification)—**EEF1A2 gene;****sequence variation**

name of component: eukaryotic translation elongation factor 1 alpha 2

[NPU32529](#)

DNA(spec.)—EEF1A2 gene; seq.var. = ?

DNA(specification)—**EEF1A3 gene;****sequence variation**

name of component: eukaryotic translation elongation factor 1 alpha 3

[NPU32530](#)

DNA(spec.)—EEF1A3 gene; seq.var. = ?

DNA(specification)—**EEF1AL1 gene;****sequence variation**

name of component: eukaryotic translation elongation factor 1 alpha-like 1

[NPU32531](#)

DNA(spec.)—EEF1AL1 gene; seq.var. = ?

DNA(specification)—**EEF1AL10 gene;****sequence variation**

name of component: eukaryotic translation elongation factor 1 alpha-like 10

[NPU32532](#)

DNA(spec.)—EEF1AL10 gene; seq.var. = ?

DNA(specification)—**EEF1AL11 gene;****sequence variation**

name of component: eukaryotic translation elongation factor 1 alpha-like 11

[NPU32533](#)

DNA(spec.)—EEF1AL11 gene; seq.var. = ?

DNA(specification)—**EEF1AL12 gene;****sequence variation**

name of component: eukaryotic translation elongation factor 1 alpha-like 12

[NPU32534](#)

DNA(spec.)—EEF1AL12 gene; seq.var. = ?

DNA(specification)—**EEF1AL13 gene;****sequence variation**

name of component: eukaryotic translation elongation factor 1 alpha-like 13

[NPU32535](#)

DNA(spec.)—EEF1AL13 gene; seq.var. = ?

DNA(specification)—**EEF1AL2 gene;****sequence variation**

name of component: eukaryotic translation elongation factor 1 alpha-like 2

[NPU32536](#)

DNA(spec.)—EEF1AL2 gene; seq.var. = ?

DNA(specification)—**EEF1AL3 gene;****sequence variation**

name of component: eukaryotic translation elongation factor 1 alpha-like 3

[NPU32537](#)

DNA(spec.)—EEF1AL3 gene; seq.var. = ?

DNA(specification)—**EEF1AL4 gene;****sequence variation**

name of component: eukaryotic translation elongation factor 1 alpha-like 4

[NPU32538](#)

DNA(spec.)—EEF1AL4 gene; seq.var. = ?

DNA(specification)—**EEF1AL5 gene;****sequence variation**

name of component: eukaryotic translation elongation factor 1 alpha-like 5

[NPU32539](#)

DNA(spec.)—EEF1AL5 gene; seq.var. = ?

DNA(specification)—**EEF1AL6 gene;****sequence variation**

name of component: eukaryotic translation elongation factor 1 alpha-like 6

[NPU32540](#)

DNA(spec.)—EEF1AL6 gene; seq.var. = ?

DNA(specification)—**EEF1AL7 gene;****sequence variation**

name of component: eukaryotic translation elongation factor 1 alpha-like 7

[NPU32541](#)

DNA(spec.)—EEF1AL7 gene; seq.var. = ?

DNA(specification)—**EEF1AL8 gene;****sequence variation**

name of component: eukaryotic translation elongation factor 1 alpha-like 8

[NPU32542](#)

DNA(spec.)—EEF1AL8 gene; seq.var. = ?

DNA(specification)—**EEF1AL9 gene;****sequence variation**

name of component: eukaryotic translation elongation factor 1 alpha-like 9

[NPU32543](#)

DNA(spec.)—EEF1AL9 gene; seq.var. = ?

DNA(specification)—**EEF1B1 gene;****sequence variation**

name of component: eukaryotic translation elongation factor 1 beta 1

[NPU32544](#)

DNA(spec.)—EEF1B1 gene; seq.var. = ?

DNA(specification)—**EEF1B2 gene;****sequence variation**

name of component: eukaryotic translation elongation factor 1 beta 2

[NPU32545](#)

DNA(spec.)—EEF1B2 gene; seq.var. = ?

DNA(specification)—**EEF1B3 gene;****sequence variation**

name of component: eukaryotic translation elongation factor 1 beta 3

[NPU32546](#)

DNA(spec.)—EEF1B3 gene; seq.var. = ?

DNA(specification)—**EEF1B4 gene;****sequence variation**

name of component: eukaryotic translation elongation factor 1 beta 4

[NPU32547](#)

DNA(spec.)—EEF1B4 gene; seq.var. = ?

DNA(specification)—**EEF1D gene;****sequence variation**

name of component: eukaryotic translation elongation factor 1 delta (guanine nucleotide exchange protein)

[NPU32548](#)

DNA(spec.)—EEF1D gene; seq.var. = ?

DNA(specification)—**EEF1E1 gene;****sequence variation**

name of component: eukaryotic translation elongation factor 1 epsilon 1

[NPU32549](#)

DNA(spec.)—EEF1E1 gene; seq.var. = ?

DNA(specification)—**EEF1G gene;****sequence variation**

name of component: eukaryotic translation elongation factor 1 gamma

[NPU32550](#)

DNA(spec.)—EEF1G gene; seq.var. = ?

DNA(specification)—**EEF2 gene;****sequence variation**

name of component: eukaryotic translation elongation factor 2

[NPU32551](#)

DNA(spec.)—EEF2 gene; seq.var. = ?

DNA(specification)—**EEGV1 gene;****sequence variation**

name of component: electro-encephalographic variant pattern 1

[NPU32552](#)

DNA(spec.)—EEGV1 gene; seq.var. = ?

DNA(specification)—**EFCBP1 gene;****sequence variation**

name of component: EF hand calcium binding protein 1

[NPU47813](#)

DNA(spec.)—EFCBP1 gene; seq.var. = ?

DNA(specification)—**EFEMP1 gene;****sequence variation**

name of component: EGF-containing fibulin-like extracellular matrix protein 1

[NPU32553](#)

DNA(spec.)—EFEMP1 gene; seq.var. = ?

DNA(specification)—**EFEMP2 gene;****sequence variation**

name of component: EGF-containing fibulin-like extracellular matrix protein 2

[NPU32554](#)

DNA(spec.)—EFEMP2 gene; seq.var. = ?

DNA(specification)—**EFHC1 gene;****sequence variation**

name of component: EF-hand domain (C-terminal) containing 1

[NPU44411](#)

DNA(spec.)—EFHC1 gene; seq.var. = ?

DNA(specification)—**EFMR gene;****sequence variation**

name of component: epilepsy, female restricted, with mental retardation (Juberg-Hellman syndrome)

[NPU32555](#)

DNA(spec.)—EFMR gene; seq.var. = ?

DNA(specification)—**EFNA1 gene;****sequence variation**

name of component: ephrin-A1

[NPU32556](#)

DNA(spec.)—EFNA1 gene; seq.var. = ?

DNA(specification)—**EFNA2 gene;****sequence variation**

name of component: ephrin-A2

[NPU32557](#)

DNA(spec.)—EFNA2 gene; seq.var. = ?

DNA(specification)—**EFNA3 gene;****sequence variation**

name of component: ephrin-A3

[NPU32558](#)

DNA(spec.)—EFNA3 gene; seq.var. = ?

DNA(specification)—**EFNA4 gene;****sequence variation**

name of component: ephrin-A4

[NPU32559](#)

DNA(spec.)—EFNA4 gene; seq.var. = ?

DNA(specification)—**EFNA5 gene;****sequence variation**

name of component: ephrin-A5

[NPU32560](#)

DNA(spec.)—EFNA5 gene; seq.var. = ?

DNA(specification)—**EFNB1 gene;****sequence variation**

name of component: ephrin-B1

[NPU32561](#)

DNA(spec.)—EFNB1 gene; seq.var. = ?

DNA(specification)—**EFNB2 gene;****sequence variation**

name of component: ephrin-B2

[NPU32562](#)

DNA(spec.)—EFNB2 gene; seq.var. = ?

DNA(specification)—**EFNB3 gene;****sequence variation**

name of component: ephrin-B3

[NPU32563](#)

DNA(spec.)—EFNB3 gene; seq.var. = ?

DNA(specification)—**EFS gene;****sequence variation**

name of component: embryonal Fyn-associated substrate

[NPU44764](#)

DNA(spec.)—EFS gene; seq.var. = ?

DNA(specification)—**EGF gene;****sequence variation**

name of component: epidermal growth factor (beta-urogastrone)

[NPU32564](#)

DNA(spec.)—EGF gene; seq.var. = ?

DNA(specification)—**EGFL3 gene;****sequence variation**

name of component: EGF-like-domain, multiple 3

[NPU32567](#)

DNA(spec.)—EGFL3 gene; seq.var. = ?

DNA(specification)—**EGFL4 gene;****sequence variation**

name of component: EGF-like-domain, multiple 4

[NPU32568](#)

DNA(spec.)—EGFL4 gene; seq.var. = ?

DNA(specification)—**EGFL5 gene;****sequence variation**

name of component: EGF-like-domain, multiple 5

[NPU32569](#)

DNA(spec.)—EGFL5 gene; seq.var. = ?

DNA(specification)—**EGFL6 gene;****sequence variation**

name of component: EGF-like-domain, multiple 6

[NPU32570](#)

DNA(spec.)—EGFL6 gene; seq.var. = ?

DNA(specification)—**EGFL7 gene;****sequence variation**

name of component: EGF-like-domain, multiple 7

[NPU47671](#)

DNA(spec.)—EGFL7 gene; seq.var. = ?

DNA(specification)—**EGFL8 gene;****sequence variation**

name of component: EGF-like-domain, multiple 8

[NPU42412](#)

DNA(spec.)—EGFL8 gene; seq.var. = ?

DNA(specification)—**EGFL9 gene;****sequence variation**

name of component: EGF-like-domain, multiple 9

[NPU47874](#)

DNA(spec.)—EGFL9 gene; seq.var. = ?

DNA(specification)—**EGFR gene;****sequence variation**

name of component: epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)

[NPU19063](#)

DNA(spec.)—EGFR gene; seq.var. = ?

DNA(specification)—**EGI gene;****sequence variation**

name of component: epilepsy, generalized, idiopathic

[NPU32571](#)

DNA(spec.)—EGI gene; seq.var. = ?

DNA(specification)—**EGLN1 gene;****sequence variation**

name of component: egl nine homolog 1 (C. elegans)

[NPU31006](#)

DNA(spec.)—EGLN1 gene; seq.var. = ?

DNA(specification)—**EGLN2 gene;****sequence variation**

name of component: egl nine homolog 2 (C. elegans)

[NPU42926](#)

DNA(spec.)—EGLN2 gene; seq.var. = ?

DNA(specification)—**EGLN3 gene;****sequence variation**

name of component: egl nine homolog 3 (C. elegans)

[NPU42927](#)

DNA(spec.)—EGLN3 gene; seq.var. = ?

DNA(specification)—
EGR1 gene;
sequence variation
name of component: early growth response 1
[NPU32572](#)
DNA(spec.)—EGR1 gene; seq.var. = ?

DNA(specification)—
EGR2 gene;
sequence variation
name of component: early growth response 2
(Krox-20 homolog, *Drosophila*)
[NPU32573](#)
DNA(spec.)—EGR2 gene; seq.var. = ?

DNA(specification)—
EGR3 gene;
sequence variation
name of component: early growth response 3
[NPU32574](#)
DNA(spec.)—EGR3 gene; seq.var. = ?

DNA(specification)—
EGR4 gene;
sequence variation
name of component: early growth response 4
[NPU32575](#)
DNA(spec.)—EGR4 gene; seq.var. = ?

DNA(specification)—
EHD1 gene;
sequence variation
name of component: EH-domain containing 1
[NPU32576](#)
DNA(spec.)—EHD1 gene; seq.var. = ?

DNA(specification)—
EHD2 gene;
sequence variation
name of component: EH-domain containing 2
[NPU32577](#)
DNA(spec.)—EHD2 gene; seq.var. = ?

DNA(specification)—
EHD3 gene;
sequence variation
name of component: EH-domain containing 3
[NPU32578](#)
DNA(spec.)—EHD3 gene; seq.var. = ?

DNA(specification)—
EHD4 gene;
sequence variation
name of component: EH-domain containing 4
[NPU32579](#)
DNA(spec.)—EHD4 gene; seq.var. = ?

DNA(specification)—
EHF gene;
sequence variation
name of component: ets homologous factor
[NPU32580](#)
DNA(spec.)—EHF gene; seq.var. = ?

DNA(specification)—
EHHADH gene;
sequence variation
name of component: enoyl-Coenzyme A, hydratase/3-hydroxyacyl Coenzyme A dehydrogenase
[NPU32581](#)
DNA(spec.)—EHHADH gene; seq.var. = ?

DNA(specification)—
EI24 gene;
sequence variation
name of component: etoposide induced 2.4 mRNA
[NPU42076](#)
DNA(spec.)—EI24 gene; seq.var. = ?

DNA(specification)—
EIF1 gene;
sequence variation
name of component: eukaryotic translation initiation factor 1
[NPU32582](#)
DNA(spec.)—EIF1 gene; seq.var. = ?

DNA(specification)—
EIF1A gene;
sequence variation
name of component: eukaryotic translation initiation factor 1A
[NPU32583](#)
DNA(spec.)—EIF1A gene; seq.var. = ?

DNA(specification)—
EIF1AP1 gene;
sequence variation
name of component: eukaryotic translation initiation factor 1A pseudogene 1
[NPU47301](#)
DNA(spec.)—EIF1AP1 gene; seq.var. = ?

DNA(specification)—
EIF1AY gene;
sequence variation
name of component: eukaryotic translation initiation factor 1A, Y chromosome
[NPU32584](#)
DNA(spec.)—EIF1AY gene; seq.var. = ?

DNA(specification)—**EIF2AK3 gene;****sequence variation**

name of component: eukaryotic translation initiation factor 2-alpha kinase 3

[NPU32585](#)

DNA(spec.)—EIF2AK3 gene; seq.var. = ?

DNA(specification)—**EIF2AK4 gene;****sequence variation**

name of component: eukaryotic translation initiation factor 2 alpha kinase 4

[NPU47153](#)

DNA(spec.)—EIF2AK4 gene; seq.var. = ?

DNA(specification)—**EIF2B1 gene;****sequence variation**

name of component: eukaryotic translation initiation factor 2B, subunit 1 alpha, 26 kDa

[NPU32586](#)

DNA(spec.)—EIF2B1 gene; seq.var. = ?

DNA(specification)—**EIF2B2 gene;****sequence variation**

name of component: eukaryotic translation initiation factor 2B, subunit 2 beta, 39 kDa

[NPU32587](#)

DNA(spec.)—EIF2B2 gene; seq.var. = ?

DNA(specification)—**EIF2B3 gene;****sequence variation**

name of component: eukaryotic translation initiation factor 2B, subunit 3 gamma, 58 kDa

[NPU32588](#)

DNA(spec.)—EIF2B3 gene; seq.var. = ?

DNA(specification)—**EIF2B4 gene;****sequence variation**

name of component: eukaryotic translation initiation factor 2B, subunit 4 delta, 67 kDa

[NPU32589](#)

DNA(spec.)—EIF2B4 gene; seq.var. = ?

DNA(specification)—**EIF2B5 gene;****sequence variation**

name of component: eukaryotic translation initiation factor 2B, subunit 5 epsilon, 82 kDa

[NPU32590](#)

DNA(spec.)—EIF2B5 gene; seq.var. = ?

DNA(specification)—**EIF2C1 gene;****sequence variation**

name of component: eukaryotic translation initiation factor 2C, 1

[NPU32591](#)

DNA(spec.)—EIF2C1 gene; seq.var. = ?

DNA(specification)—**EIF2C2 gene;****sequence variation**

name of component: eukaryotic translation initiation factor 2C, 2

[NPU32592](#)

DNA(spec.)—EIF2C2 gene; seq.var. = ?

DNA(specification)—**EIF2C3 gene;****sequence variation**

name of component: eukaryotic translation initiation factor 2C, 3

[NPU46457](#)

DNA(spec.)—EIF2C3 gene; seq.var. = ?

DNA(specification)—**EIF2C4 gene;****sequence variation**

name of component: eukaryotic translation initiation factor 2C, 4

[NPU46458](#)

DNA(spec.)—EIF2C4 gene; seq.var. = ?

DNA(specification)—**EIF2S1 gene;****sequence variation**

name of component: eukaryotic translation initiation factor 2, subunit 1 alpha, 35 kDa

[NPU32593](#)

DNA(spec.)—EIF2S1 gene; seq.var. = ?

DNA(specification)—**EIF2S2 gene;****sequence variation**

name of component: eukaryotic translation initiation factor 2, subunit 2 beta, 38 kDa

[NPU32594](#)

DNA(spec.)—EIF2S2 gene; seq.var. = ?

DNA(specification)—**EIF2S2P gene;****sequence variation**

name of component: eukaryotic translation initiation factor 2, subunit 2 beta, pseudogene

[NPU47353](#)

DNA(spec.)—EIF2S2P gene; seq.var. = ?

DNA(specification)—**EIF2S3 gene;****sequence variation**

name of component: eukaryotic translation initiation factor 2, subunit 3 gamma, 52 kDa

[NPU32595](#)

DNA(spec.)—EIF2S3 gene; seq.var. = ?

DNA(specification)—**EIF3S1 gene;****sequence variation**

name of component: eukaryotic translation initiation factor 3, subunit 1 alpha, 35 kDa

[NPU32596](#)

DNA(spec.)—EIF3S1 gene; seq.var. = ?

DNA(specification)—**EIF3S10 gene;****sequence variation**

name of component: eukaryotic translation initiation factor 3, subunit 10 theta, 150/170 kDa

[NPU32597](#)

DNA(spec.)—EIF3S10 gene; seq.var. = ?

DNA(specification)—**EIF3S2 gene;****sequence variation**

name of component: eukaryotic translation initiation factor 3, subunit 2 beta, 36 kDa

[NPU32598](#)

DNA(spec.)—EIF3S2 gene; seq.var. = ?

DNA(specification)—**EIF3S3 gene;****sequence variation**

name of component: eukaryotic translation initiation factor 3, subunit 3 gamma, 40 kDa

[NPU32599](#)

DNA(spec.)—EIF3S3 gene; seq.var. = ?

DNA(specification)—**EIF3S4 gene;****sequence variation**

name of component: eukaryotic translation initiation factor 3, subunit 4 delta, 44 kDa

[NPU32600](#)

DNA(spec.)—EIF3S4 gene; seq.var. = ?

DNA(specification)—**EIF3S5 gene;****sequence variation**

name of component: eukaryotic translation initiation factor 3, subunit 5 epsilon, 47 kDa

[NPU32601](#)

DNA(spec.)—EIF3S5 gene; seq.var. = ?

DNA(specification)—**EIF3S5P gene;****sequence variation**

name of component: eukaryotic translation initiation factor 3, subunit 5 epsilon, 47 kDa pseudogene

[NPU32602](#)

DNA(spec.)—EIF3S5P gene; seq.var. = ?

DNA(specification)—**EIF3S6 gene;****sequence variation**

name of component: eukaryotic translation initiation factor 3, subunit 6 48 kDa

[NPU32603](#)

DNA(spec.)—EIF3S6 gene; seq.var. = ?

DNA(specification)—**EIF3S6IP gene;****sequence variation**

name of component: eukaryotic translation initiation factor 3, subunit 6 interacting protein

[NPU46317](#)

DNA(spec.)—EIF3S6IP gene; seq.var. = ?

DNA(specification)—**EIF3S6IPP gene;****sequence variation**

name of component: eukaryotic translation initiation factor 3, subunit 6 interacting protein pseudogene

[NPU47354](#)

DNA(spec.)—EIF3S6IPP gene; seq.var. = ?

DNA(specification)—**EIF3S6P1 gene;****sequence variation**

name of component: eukaryotic translation initiation factor 3, subunit 6 48 kDa pseudogene 1

[NPU34991](#)

DNA(spec.)—EIF3S6P1 gene; seq.var. = ?

DNA(specification)—**EIF3S7 gene;****sequence variation**

name of component: eukaryotic translation initiation factor 3, subunit 7 zeta, 66/67 kDa

[NPU32604](#)

DNA(spec.)—EIF3S7 gene; seq.var. = ?

DNA(specification)—**EIF3S8 gene;****sequence variation**

name of component: eukaryotic translation initiation factor 3, subunit 8, 110 kDa

[NPU32605](#)

DNA(spec.)—EIF3S8 gene; seq.var. = ?

DNA(specification)—**EIF3S9 gene;****sequence variation**

name of component: eukaryotic translation initiation factor 3, subunit 9 eta, 116 kDa

[NPU32606](#)

DNA(spec.)—EIF3S9 gene; seq.var. = ?

DNA(specification)—**EIF4A1 gene;****sequence variation**

name of component: eukaryotic translation initiation factor 4A, isoform 1

[NPU32607](#)

DNA(spec.)—EIF4A1 gene; seq.var. = ?

DNA(specification)—**EIF4A1P gene;****sequence variation**

name of component: eukaryotic translation initiation factor 4A, isoform 1, pseudogene

[NPU32608](#)

DNA(spec.)—EIF4A1P gene; seq.var. = ?

DNA(specification)—**EIF4A2 gene;****sequence variation**

name of component: eukaryotic translation initiation factor 4A, isoform 2

[NPU32609](#)

DNA(spec.)—EIF4A2 gene; seq.var. = ?

DNA(specification)—**EIF4B gene;****sequence variation**

name of component: eukaryotic translation initiation factor 4B

[NPU32610](#)

DNA(spec.)—EIF4B gene; seq.var. = ?

DNA(specification)—**EIF4BP gene;****sequence variation**

name of component: eukaryotic translation initiation factor 4B pseudogene

[NPU47320](#)

DNA(spec.)—EIF4BP gene; seq.var. = ?

DNA(specification)—**EIF4E gene;****sequence variation**

name of component: eukaryotic translation initiation factor 4E

[NPU32611](#)

DNA(spec.)—EIF4E gene; seq.var. = ?

DNA(specification)—**EIF4EBP1 gene;****sequence variation**

name of component: eukaryotic translation initiation factor 4E binding protein 1

[NPU32612](#)

DNA(spec.)—EIF4EBP1 gene; seq.var. = ?

DNA(specification)—**EIF4EBP1P gene;****sequence variation**

name of component: eukaryotic translation initiation factor 4E binding protein 1 pseudogene

[NPU47461](#)

DNA(spec.)—EIF4EBP1P gene; seq.var. = ?

DNA(specification)—**EIF4EBP2 gene;****sequence variation**

name of component: eukaryotic translation initiation factor 4E binding protein 2

[NPU32613](#)

DNA(spec.)—EIF4EBP2 gene; seq.var. = ?

DNA(specification)—**EIF4EBP2P gene;****sequence variation**

name of component: eukaryotic translation initiation factor 4E binding protein 2 pseudogene

[NPU44576](#)

DNA(spec.)—EIF4EBP2P gene; seq.var. = ?

DNA(specification)—**EIF4EBP3 gene;****sequence variation**

name of component: eukaryotic translation initiation factor 4E binding protein 3

[NPU32614](#)

DNA(spec.)—EIF4EBP3 gene; seq.var. = ?

DNA(specification)—**EIF4EL2 gene;****sequence variation**

name of component: eukaryotic translation initiation factor 4E-like 2

[NPU32615](#)

DNA(spec.)—EIF4EL2 gene; seq.var. = ?

DNA(specification)—**EIF4EL3 gene;****sequence variation**

name of component: eukaryotic translation initiation factor 4E-like 3

[NPU32616](#)

DNA(spec.)—EIF4EL3 gene; seq.var. = ?

DNA(specification)—
EIF4EL4 gene;
sequence variation
name of component: eukaryotic translation initiation factor 4E-like 4
[NPU44280](#)
DNA(spec.)—EIF4EL4 gene; seq.var. = ?

DNA(specification)—
EIF4ENIF1 gene;
sequence variation
name of component: eukaryotic translation initiation factor 4E nuclear import factor 1
[NPU44642](#)
DNA(spec.)—EIF4ENIF1 gene; seq.var. = ?

DNA(specification)—
EIF4G1 gene;
sequence variation
name of component: eukaryotic translation initiation factor 4 gamma, 1
[NPU32617](#)
DNA(spec.)—EIF4G1 gene; seq.var. = ?

DNA(specification)—
EIF4G2 gene;
sequence variation
name of component: eukaryotic translation initiation factor 4 gamma, 2
[NPU32618](#)
DNA(spec.)—EIF4G2 gene; seq.var. = ?

DNA(specification)—
EIF4G3 gene;
sequence variation
name of component: eukaryotic translation initiation factor 4 gamma, 3
[NPU32619](#)
DNA(spec.)—EIF4G3 gene; seq.var. = ?

DNA(specification)—
EIF5 gene;
sequence variation
name of component: eukaryotic translation initiation factor 5
[NPU32620](#)
DNA(spec.)—EIF5 gene; seq.var. = ?

DNA(specification)—
EIF5A gene;
sequence variation
name of component: eukaryotic translation initiation factor 5A
[NPU32621](#)
DNA(spec.)—EIF5A gene; seq.var. = ?

DNA(specification)—
EIF5A2 gene;
sequence variation
name of component: eukaryotic translation initiation factor 5A2
[NPU32622](#)
DNA(spec.)—EIF5A2 gene; seq.var. = ?

DNA(specification)—
EIF5AP1 gene;
sequence variation
name of component: eukaryotic translation initiation factor 5A pseudogene 1
[NPU32623](#)
DNA(spec.)—EIF5AP1 gene; seq.var. = ?

DNA(specification)—
EIF5AP2 gene;
sequence variation
name of component: eukaryotic translation initiation factor 5A pseudogene 2
[NPU32624](#)
DNA(spec.)—EIF5AP2 gene; seq.var. = ?

DNA(specification)—
EIF5AP3 gene;
sequence variation
name of component: eukaryotic translation initiation factor 5A pseudogene 3
[NPU32625](#)
DNA(spec.)—EIF5AP3 gene; seq.var. = ?

DNA(specification)—
EJM1 gene;
sequence variation
name of component: epilepsy, juvenile myoclonic 1
[NPU32626](#)
DNA(spec.)—EJM1 gene; seq.var. = ?

DNA(specification)—
EJM2 gene;
sequence variation
name of component: epilepsy, juvenile myoclonic 2
[NPU32627](#)
DNA(spec.)—EJM2 gene; seq.var. = ?

DNA(specification)—
EKV gene;
sequence variation
name of component: erythrokeratoderma variabilis
[NPU32628](#)
DNA(spec.)—EKV gene; seq.var. = ?

DNA(specification)—
ELA1 gene;
sequence variation
name of component: elastase 1, pancreatic
[NPU32629](#)
DNA(spec.)—ELA1 gene; seq.var. = ?

DNA(specification)—
ELA2 gene;
sequence variation
name of component: elastase 2, neutrophil
[NPU32630](#)
DNA(spec.)—ELA2 gene; seq.var. = ?

DNA(specification)—
ELA3A gene;
sequence variation
name of component: elastase 3A, pancreatic (protease E)
[NPU44023](#)
DNA(spec.)—ELA3A gene; seq.var. = ?

DNA(specification)—
ELA3B gene;
sequence variation
name of component: elastase 3B, pancreatic
[NPU44024](#)
DNA(spec.)—ELA3B gene; seq.var. = ?

DNA(specification)—
ELAC1 gene;
sequence variation
name of component: elcC homolog 1 (E. coli)
[NPU42584](#)
DNA(spec.)—ELAC1 gene; seq.var. = ?

DNA(specification)—
ELAC2 gene;
sequence variation
name of component: elcC homolog 2 (E. coli)
[NPU42585](#)
DNA(spec.)—ELAC2 gene; seq.var. = ?

DNA(specification)—
ELAVL1 gene;
sequence variation
name of component: ELAV (embryonic lethal, abnormal vision, Drosophila)-like 1 (Hu antigen R)
[NPU32632](#)
DNA(spec.)—ELAVL1 gene; seq.var. = ?

DNA(specification)—
ELAVL2 gene;
sequence variation
name of component: ELAV (embryonic lethal, abnormal vision, Drosophila)-like 2 (Hu antigen B)
[NPU32633](#)
DNA(spec.)—ELAVL2 gene; seq.var. = ?

DNA(specification)—
ELAVL3 gene;
sequence variation
name of component: ELAV (embryonic lethal, abnormal vision, Drosophila)-like 3 (Hu antigen C)
[NPU32634](#)
DNA(spec.)—ELAVL3 gene; seq.var. = ?

DNA(specification)—
ELAVL4 gene;
sequence variation
name of component: ELAV (embryonic lethal, abnormal vision, Drosophila)-like 4 (Hu antigen D)
[NPU32635](#)
DNA(spec.)—ELAVL4 gene; seq.var. = ?

DNA(specification)—
ELF1 gene;
sequence variation
name of component: E74-like factor 1 (ets domain transcription factor)
[NPU32636](#)
DNA(spec.)—ELF1 gene; seq.var. = ?

DNA(specification)—
ELF2 gene;
sequence variation
name of component: E74-like factor 2 (ets domain transcription factor)
[NPU32637](#)
DNA(spec.)—ELF2 gene; seq.var. = ?

DNA(specification)—
ELF3 gene;
sequence variation
name of component: E74-like factor 3 (ets domain transcription factor, epithelial-specific)
[NPU32638](#)
DNA(spec.)—ELF3 gene; seq.var. = ?

DNA(specification)—
ELF4 gene;
sequence variation
name of component: E74-like factor 4 (ets domain transcription factor)
[NPU32639](#)
DNA(spec.)—ELF4 gene; seq.var. = ?

DNA(specification)—
ELF5 gene;
sequence variation
name of component: E74-like factor 5 (ets domain transcription factor)
[NPU32640](#)
DNA(spec.)—ELF5 gene; seq.var. = ?

DNA(specification)—**ELK1 gene;****sequence variation**

name of component: ELK1, member of ETS onco-gene family

[NPU32641](#)

DNA(spec.)—ELK1 gene; seq.var. = ?

DNA(specification)—**ELK2P1 gene;****sequence variation**

name of component: ELK2, member of ETS onco-gene family, pseudogene 1

[NPU32642](#)

DNA(spec.)—ELK2P1 gene; seq.var. = ?

DNA(specification)—**ELK2P2 gene;****sequence variation**

name of component: ELK2, member of ETS onco-gene family, pseudogene 2

[NPU32643](#)

DNA(spec.)—ELK2P2 gene; seq.var. = ?

DNA(specification)—**ELK3 gene;****sequence variation**

name of component: ELK3, ETS-domain protein (SRF accessory protein 2)

[NPU32644](#)

DNA(spec.)—ELK3 gene; seq.var. = ?

DNA(specification)—**ELK4 gene;****sequence variation**

name of component: ELK4, ETS-domain protein (SRF accessory protein 1)

[NPU32645](#)

DNA(spec.)—ELK4 gene; seq.var. = ?

DNA(specification)—**ELMO1 gene;****sequence variation**

name of component: engulfment and cell motility 1 (ced-12 homolog, *C. elegans*)

[NPU44321](#)

DNA(spec.)—ELMO1 gene; seq.var. = ?

DNA(specification)—**ELMO2 gene;****sequence variation**

name of component: engulfment and cell motility 2 (ced-12 homolog, *C. elegans*)

[NPU44929](#)

DNA(spec.)—ELMO2 gene; seq.var. = ?

DNA(specification)—**ELMO3 gene;****sequence variation**

name of component: engulfment and cell motility 3 (ced-12 homolog, *C. elegans*)

[NPU44956](#)

DNA(spec.)—ELMO3 gene; seq.var. = ?

DNA(specification)—**ELN gene;****sequence variation**

name of component: elastin (supravalvular aortic stenosis, Williams-Beuren syndrome)

[NPU32646](#)

DNA(spec.)—ELN gene; seq.var. = ?

DNA(specification)—**ELNL1 gene;****sequence variation**

name of component: elastin-like 1

[NPU32647](#)

DNA(spec.)—ELNL1 gene; seq.var. = ?

DNA(specification)—**ELNR1 gene;****sequence variation**

name of component: elastin receptor 1, 67 kDa

[NPU32648](#)

DNA(spec.)—ELNR1 gene; seq.var. = ?

DNA(specification)—**ELOVL1 gene;****sequence variation**

name of component: elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 1

[NPU42740](#)

DNA(spec.)—ELOVL1 gene; seq.var. = ?

DNA(specification)—**ELOVL2 gene;****sequence variation**

name of component: elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 2

[NPU42738](#)

DNA(spec.)—ELOVL2 gene; seq.var. = ?

DNA(specification)—**ELOVL3 gene;****sequence variation**

name of component: elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 3

[NPU46249](#)

DNA(spec.)—ELOVL3 gene; seq.var. = ?

DNA(specification)—**ELOVL4 gene;****sequence variation**

name of component: elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 4

[NPU42737](#)

DNA(spec.)—ELOVL4 gene; seq.var. = ?

DNA(specification)—**ELP3 gene;****sequence variation**

name of component: elongation protein 3 homolog (S. cerevisiae)

[NPU47722](#)

DNA(spec.)—ELP3 gene; seq.var. = ?

DNA(specification)—**ELP4 gene;****sequence variation**

name of component: elongation protein 4 homolog (S. cerevisiae)

[NPU30950](#)

DNA(spec.)—ELP4 gene; seq.var. = ?

DNA(specification)—**ELSPBP1 gene;****sequence variation**

name of component: epididymal sperm binding protein 1

[NPU42739](#)

DNA(spec.)—ELSPBP1 gene; seq.var. = ?

DNA(specification)—**ELTD1 gene;****sequence variation**

name of component: EGF, latrophilin and seven transmembrane domain containing 1

[NPU47776](#)

DNA(spec.)—ELTD1 gene; seq.var. = ?

DNA(specification)—**EMD gene;****sequence variation**

name of component: emerin (Emery-Dreifuss muscular dystrophy)

[NPU32650](#)

DNA(spec.)—EMD gene; seq.var. = ?

DNA(specification)—**EML1 gene;****sequence variation**

name of component: echinoderm microtubule associated protein like 1

[NPU32649](#)

DNA(spec.)—EML1 gene; seq.var. = ?

DNA(specification)—**EML2 gene;****sequence variation**

name of component: echinoderm microtubule associated protein like 2

[NPU46243](#)

DNA(spec.)—EML2 gene; seq.var. = ?

DNA(specification)—**EML4 gene;****sequence variation**

name of component: echinoderm microtubule associated protein like 4

[NPU31073](#)

DNA(spec.)—EML4 gene; seq.var. = ?

DNA(specification)—**EML5 gene;****sequence variation**

name of component: echinoderm microtubule associated protein like 5

[NPU46346](#)

DNA(spec.)—EML5 gene; seq.var. = ?

DNA(specification)—**EMP1 gene;****sequence variation**

name of component: epithelial membrane protein 1

[NPU32652](#)

DNA(spec.)—EMP1 gene; seq.var. = ?

DNA(specification)—**EMP2 gene;****sequence variation**

name of component: epithelial membrane protein 2

[NPU32653](#)

DNA(spec.)—EMP2 gene; seq.var. = ?

DNA(specification)—**EMP3 gene;****sequence variation**

name of component: epithelial membrane protein 3

[NPU32654](#)

DNA(spec.)—EMP3 gene; seq.var. = ?

DNA(specification)—**EMR1 gene;****sequence variation**

name of component: egf-like module containing, mucin-like, hormone receptor-like sequence 1

[NPU32655](#)

DNA(spec.)—EMR1 gene; seq.var. = ?

DNA(specification)—**EMR2 gene;****sequence variation**

name of component: egf-like module containing, mucin-like, hormone receptor-like sequence 2

[NPU32656](#)

DNA(spec.)—EMR2 gene; seq.var. = ?

DNA(specification)—**EMS1 gene;****sequence variation**

name of component: ems1 sequence (mammary tumor and squamous cell carcinoma-associated (p80/85 src substrate)

[NPU32657](#)

DNA(spec.)—EMS1 gene; seq.var. = ?

DNA(specification)—**EMWX gene;****sequence variation**

name of component: episodic muscle weakness, X-linked

[NPU32658](#)

DNA(spec.)—EMWX gene; seq.var. = ?

DNA(specification)—**EMX1 gene;****sequence variation**

name of component: empty spiracles homolog 1 (Drosophila)

[NPU32659](#)

DNA(spec.)—EMX1 gene; seq.var. = ?

DNA(specification)—**EMX2 gene;****sequence variation**

name of component: empty spiracles homolog 2 (Drosophila)

[NPU32660](#)

DNA(spec.)—EMX2 gene; seq.var. = ?

DNA(specification)—**EN1 gene;****sequence variation**

name of component: engrailed homolog 1

[NPU32661](#)

DNA(spec.)—EN1 gene; seq.var. = ?

DNA(specification)—**EN2 gene;****sequence variation**

name of component: engrailed homolog 2

[NPU32662](#)

DNA(spec.)—EN2 gene; seq.var. = ?

DNA(specification)—**ENAH gene;****sequence variation**

name of component: enabled homolog (Drosophila)

[NPU46372](#)

DNA(spec.)—ENAH gene; seq.var. = ?

DNA(specification)—**ENAM gene;****sequence variation**

name of component: enamelin

[NPU32663](#)

DNA(spec.)—ENAM gene; seq.var. = ?

DNA(specification)—**ENC1 gene;****sequence variation**

name of component: ectodermal-neural cortex (with BTB-like domain)

[NPU32664](#)

DNA(spec.)—ENC1 gene; seq.var. = ?

DNA(specification)—**ENDOG gene;****sequence variation**

name of component: endonuclease G

[NPU32665](#)

DNA(spec.)—ENDOG gene; seq.var. = ?

DNA(specification)—**ENDOGL1 gene;****sequence variation**

name of component: endonuclease G-like 1

[NPU32666](#)

DNA(spec.)—ENDOGL1 gene; seq.var. = ?

DNA(specification)—**ENDOGL2 gene;****sequence variation**

name of component: endonuclease G-like 2

[NPU32667](#)

DNA(spec.)—ENDOGL2 gene; seq.var. = ?

DNA(specification)—**ENG gene;****sequence variation**

name of component: endoglin (Osler-Rendu-Weber syndrome 1)

[NPU32668](#)

DNA(spec.)—ENG gene; seq.var. = ?

DNA(specification)—**ENO1 gene;****sequence variation**

name of component: enolase 1, (alpha)

[NPU32669](#)

DNA(spec.)—ENO1 gene; seq.var. = ?

DNA(specification)—**ENO1P gene;****sequence variation**

name of component: enolase 1, (alpha) pseudogene

[NPU32670](#)

DNA(spec.)—ENO1P gene; seq.var. = ?

DNA(specification)—**ENO2 gene;****sequence variation**

name of component: enolase 2, (gamma, neuronal)

[NPU32671](#)

DNA(spec.)—ENO2 gene; seq.var. = ?

DNA(specification)—**ENO3 gene;****sequence variation**

name of component: enolase 3, (beta, muscle)

[NPU32672](#)

DNA(spec.)—ENO3 gene; seq.var. = ?

DNA(specification)—**ENPEP gene;****sequence variation**

name of component: glutamyl aminopeptidase (aminopeptidase A)

[NPU32673](#)

DNA(spec.)—ENPEP gene; seq.var. = ?

DNA(specification)—**ENPP1 gene;****sequence variation**

name of component: ectonucleotide pyrophosphatase/phosphodiesterase 1

[NPU32674](#)

DNA(spec.)—ENPP1 gene; seq.var. = ?

DNA(specification)—**ENPP2 gene;****sequence variation**

name of component: ectonucleotide pyrophosphatase/phosphodiesterase 2 (autotaxin)

[NPU32675](#)

DNA(spec.)—ENPP2 gene; seq.var. = ?

DNA(specification)—**ENPP3 gene;****sequence variation**

name of component: ectonucleotide pyrophosphatase/phosphodiesterase 3

[NPU32676](#)

DNA(spec.)—ENPP3 gene; seq.var. = ?

DNA(specification)—**ENPP4 gene;****sequence variation**

name of component: ectonucleotide pyrophosphatase/phosphodiesterase 4 (putative function)

[NPU32677](#)

DNA(spec.)—ENPP4 gene; seq.var. = ?

DNA(specification)—**ENPP5 gene;****sequence variation**

name of component: ectonucleotide pyrophosphatase/phosphodiesterase 5 (putative function)

[NPU42285](#)

DNA(spec.)—ENPP5 gene; seq.var. = ?

DNA(specification)—**ENSA gene;****sequence variation**

name of component: endosulfine alpha

[NPU32678](#)

DNA(spec.)—ENSA gene; seq.var. = ?

DNA(specification)—**ENSAP gene;****sequence variation**

name of component: endosulfine alpha pseudogene

[NPU44568](#)

DNA(spec.)—ENSAP gene; seq.var. = ?

DNA(specification)—**ENSAP2 gene;****sequence variation**

name of component: endosulfine alpha pseudogene 2

[NPU47355](#)

DNA(spec.)—ENSAP2 gene; seq.var. = ?

DNA(specification)—**ENTPD1 gene;****sequence variation**

name of component: ectonucleoside triphosphate diphosphohydrolase 1

[NPU32679](#)

DNA(spec.)—ENTPD1 gene; seq.var. = ?

DNA(specification)—**ENTPD2 gene;****sequence variation**

name of component: ectonucleoside triphosphate diphosphohydrolase 2

[NPU32680](#)

DNA(spec.)—ENTPD2 gene; seq.var. = ?

DNA(specification)—**ENTPD3 gene;****sequence variation**

name of component: ectonucleoside triphosphate diphosphohydrolase 3

[NPU32681](#)

DNA(spec.)—ENTPD3 gene; seq.var. = ?

DNA(specification)—
ENTPD4 gene;
sequence variation
name of component: ectonucleoside triphosphate
diphosphohydrolase 4
[NPU32682](#)
DNA(spec.)—ENTPD4 gene; seq.var. = ?

DNA(specification)—
ENTPD5 gene;
sequence variation
name of component: ectonucleoside triphosphate
diphosphohydrolase 5
[NPU32683](#)
DNA(spec.)—ENTPD5 gene; seq.var. = ?

DNA(specification)—
ENTPD6 gene;
sequence variation
name of component: ectonucleoside triphosphate
diphosphohydrolase 6 (putative function)
[NPU32684](#)
DNA(spec.)—ENTPD6 gene; seq.var. = ?

DNA(specification)—
ENUR1 gene;
sequence variation
name of component: enuresis, nocturnal 1
[NPU32685](#)
DNA(spec.)—ENUR1 gene; seq.var. = ?

DNA(specification)—
ENUR2 gene;
sequence variation
name of component: enuresis, nocturnal 2
[NPU32686](#)
DNA(spec.)—ENUR2 gene; seq.var. = ?

DNA(specification)—
EOMES gene;
sequence variation
name of component: eomesodermin homolog
(*Xenopus laevis*)
[NPU32687](#)
DNA(spec.)—EOMES gene; seq.var. = ?

DNA(specification)—
EP300 gene;
sequence variation
name of component: E1A binding protein p300
[NPU32688](#)
DNA(spec.)—EP300 gene; seq.var. = ?

DNA(specification)—
EP400 gene;
sequence variation
name of component: E1A binding protein p400
[NPU40918](#)
DNA(spec.)—EP400 gene; seq.var. = ?

DNA(specification)—
EPAS1 gene;
sequence variation
name of component: endothelial PAS domain pro-
tein 1
[NPU32689](#)
DNA(spec.)—EPAS1 gene; seq.var. = ?

DNA(specification)—
EPB41 gene;
sequence variation
name of component: erythrocyte membrane protein
band 4.1 (elliptocytosis 1, RH-linked)
[NPU32690](#)
DNA(spec.)—EPB41 gene; seq.var. = ?

DNA(specification)—
EPB41L1 gene;
sequence variation
name of component: erythrocyte membrane protein
band 4.1-like 1
[NPU32691](#)
DNA(spec.)—EPB41L1 gene; seq.var. = ?

DNA(specification)—
EPB41L2 gene;
sequence variation
name of component: erythrocyte membrane protein
band 4.1-like 2
[NPU32692](#)
DNA(spec.)—EPB41L2 gene; seq.var. = ?

DNA(specification)—
EPB41L3 gene;
sequence variation
name of component: erythrocyte membrane protein
band 4.1-like 3
[NPU32693](#)
DNA(spec.)—EPB41L3 gene; seq.var. = ?

DNA(specification)—
EPB41L4A gene;
sequence variation
name of component: erythrocyte membrane protein
band 4.1 like 4A
[NPU42077](#)
DNA(spec.)—EPB41L4A gene; seq.var. = ?

DNA(specification)—
EPB41L4B gene;
sequence variation
name of component: erythrocyte membrane protein
band 4.1 like 4B
[NPU47241](#)
DNA(spec.)—EPB41L4B gene; seq.var. = ?

DNA(specification)—
EPB41L5 gene;
sequence variation
name of component: erythrocyte membrane protein
band 4.1 like 5
[NPU47242](#)
DNA(spec.)—EPB41L5 gene; seq.var. = ?

DNA(specification)—
EPB42 gene;
sequence variation
name of component: erythrocyte membrane protein
band 4.2
[NPU32694](#)
DNA(spec.)—EPB42 gene; seq.var. = ?

DNA(specification)—
EPB49 gene;
sequence variation
name of component: erythrocyte membrane protein
band 4.9 (dematin)
[NPU32695](#)
DNA(spec.)—EPB49 gene; seq.var. = ?

DNA(specification)—
EPC1 gene;
sequence variation
name of component: enhancer of polycomb ho-
molog 1, (Drosophila)
[NPU47295](#)
DNA(spec.)—EPC1 gene; seq.var. = ?

DNA(specification)—
EPHA1 gene;
sequence variation
name of component: EphA1
[NPU32697](#)
DNA(spec.)—EPHA1 gene; seq.var. = ?

DNA(specification)—
EPHA2 gene;
sequence variation
name of component: EphA2
[NPU32698](#)
DNA(spec.)—EPHA2 gene; seq.var. = ?

DNA(specification)—
EPHA3 gene;
sequence variation
name of component: EphA3
[NPU32699](#)
DNA(spec.)—EPHA3 gene; seq.var. = ?

DNA(specification)—
EPHA4 gene;
sequence variation
name of component: EphA4
[NPU32700](#)
DNA(spec.)—EPHA4 gene; seq.var. = ?

DNA(specification)—
EPHA5 gene;
sequence variation
name of component: EphA5
[NPU32701](#)
DNA(spec.)—EPHA5 gene; seq.var. = ?

DNA(specification)—
EPHA7 gene;
sequence variation
name of component: EphA7
[NPU32702](#)
DNA(spec.)—EPHA7 gene; seq.var. = ?

DNA(specification)—
EPHA8 gene;
sequence variation
name of component: EphA8
[NPU32703](#)
DNA(spec.)—EPHA8 gene; seq.var. = ?

DNA(specification)—
EPHB1 gene;
sequence variation
name of component: EphB1
[NPU32704](#)
DNA(spec.)—EPHB1 gene; seq.var. = ?

DNA(specification)—
EPHB2 gene;
sequence variation
name of component: EphB2
[NPU32705](#)
DNA(spec.)—EPHB2 gene; seq.var. = ?

DNA(specification)—
EPHB3 gene;
sequence variation
name of component: EphB3
[NPU32706](#)
DNA(spec.)—EPHB3 gene; seq.var. = ?

DNA(specification)—
EPHB4 gene;
sequence variation
name of component: EphB4
[NPU32707](#)
DNA(spec.)—EPHB4 gene; seq.var. = ?

DNA(specification)—
EPHB6 gene;
sequence variation
name of component: EphB6
[NPU32708](#)
DNA(spec.)—EPHB6 gene; seq.var. = ?

DNA(specification)—**EPHX1 gene;****sequence variation**

name of component: epoxide hydrolase 1, microsomal (xenobiotic)

[NPU32709](#)

DNA(spec.)—EPHX1 gene; seq.var. = ?

DNA(specification)—**EPHX2 gene;****sequence variation**

name of component: epoxide hydrolase 2, cytoplasmic

[NPU32710](#)

DNA(spec.)—EPHX2 gene; seq.var. = ?

DNA(specification)—**EPIM gene;****sequence variation**

name of component: epimorphin

[NPU32711](#)

DNA(spec.)—EPIM gene; seq.var. = ?

DNA(specification)—**EPM2A gene;****sequence variation**

name of component: epilepsy, progressive myoclonus type 2A, Lafora disease (laforin)

[NPU32712](#)

DNA(spec.)—EPM2A gene; seq.var. = ?

DNA(specification)—**EPM2AIP1 gene;****sequence variation**

name of component: EPM2A (laforin) interacting protein 1

[NPU47170](#)

DNA(spec.)—EPM2AIP1 gene; seq.var. = ?

DNA(specification)—**EPN2 gene;****sequence variation**

name of component: epsin 2

[NPU46590](#)

DNA(spec.)—EPN2 gene; seq.var. = ?

DNA(specification)—**EPN3 gene;****sequence variation**

name of component: epsin 3

[NPU46354](#)

DNA(spec.)—EPN3 gene; seq.var. = ?

DNA(specification)—**EPO gene;****sequence variation**

name of component: erythropoietin

[NPU32713](#)

DNA(spec.)—EPO gene; seq.var. = ?

DNA(specification)—**EPOR gene;****sequence variation**

name of component: erythropoietin receptor

[NPU32714](#)

DNA(spec.)—EPOR gene; seq.var. = ?

DNA(specification)—**EPPK1 gene;****sequence variation**

name of component: epiplakin 1

[NPU43754](#)

DNA(spec.)—EPPK1 gene; seq.var. = ?

DNA(specification)—**EPR1 gene;****sequence variation**

name of component: effector cell protease receptor 1

[NPU32715](#)

DNA(spec.)—EPR1 gene; seq.var. = ?

DNA(specification)—**EPRS gene;****sequence variation**

name of component: glutamyl-prolyl-tRNA synthetase

[NPU32716](#)

DNA(spec.)—EPRS gene; seq.var. = ?

DNA(specification)—**EPS15 gene;****sequence variation**

name of component: epidermal growth factor receptor pathway substrate 15

[NPU32717](#)

DNA(spec.)—EPS15 gene; seq.var. = ?

DNA(specification)—**EPS8 gene;****sequence variation**

name of component: epidermal growth factor receptor pathway substrate 8

[NPU32718](#)

DNA(spec.)—EPS8 gene; seq.var. = ?

DNA(specification)—**EPSTI1 gene;****sequence variation**

name of component: epithelial stromal interaction 1 (breast)

[NPU44459](#)

DNA(spec.)—EPSTI1 gene; seq.var. = ?

DNA(specification)—**EPX gene;****sequence variation**

name of component: eosinophil peroxidase

[NPU32719](#)

DNA(spec.)—EPX gene; seq.var. = ?

DNA(specification)—**ERAF gene;****sequence variation**

name of component: erythroid associated factor

[NPU46267](#)

DNA(spec.)—ERAF gene; seq.var. = ?

DNA(specification)—**ERAL1 gene;****sequence variation**

name of component: Era G-protein-like 1 (E. coli)

[NPU32720](#)

DNA(spec.)—ERAL1 gene; seq.var. = ?

DNA(specification)—**ERBB2 gene;****sequence variation**

name of component: v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian)

[NPU32721](#)

DNA(spec.)—ERBB2 gene; seq.var. = ?

DNA(specification)—**ERBB2IP gene;****sequence variation**

name of component: erbb2 interacting protein

[NPU43936](#)

DNA(spec.)—ERBB2IP gene; seq.var. = ?

DNA(specification)—**ERBB3 gene;****sequence variation**

name of component: v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)

[NPU32722](#)

DNA(spec.)—ERBB3 gene; seq.var. = ?

DNA(specification)—**ERBB4 gene;****sequence variation**

name of component: v-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian)

[NPU32723](#)

DNA(spec.)—ERBB4 gene; seq.var. = ?

DNA(specification)—**ERCC1 gene;****sequence variation**

name of component: excision repair cross-complementing rodent repair deficiency, complementation group 1 (includes overlapping antisense sequence)

[NPU32724](#)

DNA(spec.)—ERCC1 gene; seq.var. = ?

DNA(specification)—**ERCC2 gene;****sequence variation**

name of component: excision repair cross-complementing rodent repair deficiency, complementation group 2 (xeroderma pigmentosum D)

[NPU32725](#)

DNA(spec.)—ERCC2 gene; seq.var. = ?

DNA(specification)—**ERCC3 gene;****sequence variation**

name of component: excision repair cross-complementing rodent repair deficiency, complementation group 3 (xeroderma pigmentosum group B complementing)

[NPU32726](#)

DNA(spec.)—ERCC3 gene; seq.var. = ?

DNA(specification)—**ERCC4 gene;****sequence variation**

name of component: excision repair cross-complementing rodent repair deficiency, complementation group 4

[NPU32727](#)

DNA(spec.)—ERCC4 gene; seq.var. = ?

DNA(specification)—**ERCC5 gene;****sequence variation**

name of component: excision repair cross-complementing rodent repair deficiency, complementation group 5 (xeroderma pigmentosum, complementation group G (Cockayne syndrome))

[NPU32728](#)

DNA(spec.)—ERCC5 gene; seq.var. = ?

DNA(specification)—**ERCC6 gene;****sequence variation**

name of component: excision repair cross-complementing rodent repair deficiency, complementation group 6

[NPU32729](#)

DNA(spec.)—ERCC6 gene; seq.var. = ?

DNA(specification)—**ERCC8 gene;****sequence variation**

name of component: excision repair cross-complementing rodent repair deficiency, complementation group 8

[NPU32730](#)

DNA(spec.)—ERCC8 gene; seq.var. = ?

DNA(specification)—**ERCM1 gene;****sequence variation**

name of component: excision repair complementing defective repair in mouse cells

[NPU32731](#)

DNA(spec.)—ERCM1 gene; seq.var. = ?

DNA(specification)—**ERDA1 gene;****sequence variation**

name of component: expanded repeat domain, CAG/CTG 1

[NPU32732](#)

DNA(spec.)—ERDA1 gene; seq.var. = ?

DNA(specification)—**EREG gene;****sequence variation**

name of component: epiregulin

[NPU32733](#)

DNA(spec.)—EREG gene; seq.var. = ?

DNA(specification)—**ERF gene;****sequence variation**

name of component: Ets2 repressor factor

[NPU32734](#)

DNA(spec.)—ERF gene; seq.var. = ?

DNA(specification)—**ERG gene;****sequence variation**

name of component: v-ets erythroblastosis virus E26 oncogene like (avian)

[NPU32735](#)

DNA(spec.)—ERG gene; seq.var. = ?

DNA(specification)—**ERH gene;****sequence variation**

name of component: enhancer of rudimentary homolog (Drosophila)

[NPU32736](#)

DNA(spec.)—ERH gene; seq.var. = ?

DNA(specification)—**ERMAP gene;****sequence variation**

name of component: erythroblast membrane-associated protein

[NPU43865](#)

DNA(spec.)—ERMAP gene; seq.var. = ?

DNA(specification)—**ERN1 gene;****sequence variation**

name of component: ER to nucleus signalling 1

[NPU32737](#)

DNA(spec.)—ERN1 gene; seq.var. = ?

DNA(specification)—**ERN2 gene;****sequence variation**

name of component: ER to nucleus signalling 2

[NPU44786](#)

DNA(spec.)—ERN2 gene; seq.var. = ?

DNA(specification)—**ERO1L gene;****sequence variation**

name of component: ERO1-like (S. cerevisiae)

[NPU42078](#)

DNA(spec.)—ERO1L gene; seq.var. = ?

DNA(specification)—**ERO1LB gene;****sequence variation**

name of component: ERO1-like beta (S. cerevisiae)

[NPU42694](#)

DNA(spec.)—ERO1LB gene; seq.var. = ?

DNA(specification)—**ERPL1 gene;****sequence variation**

name of component: endogenous retroviral pol gene-like sequence 1 (clone HLM2)

[NPU32738](#)

DNA(spec.)—ERPL1 gene; seq.var. = ?

DNA(specification)—**ERPL2 gene;****sequence variation**

name of component: endogenous retroviral pol gene-like sequence 2

[NPU32739](#)

DNA(spec.)—ERPL2 gene; seq.var. = ?

DNA(specification)—**ERV1 gene;****sequence variation**

name of component: endogenous retroviral sequence 1

[NPU32740](#)

DNA(spec.)—ERV1 gene; seq.var. = ?

DNA(specification)—**ERV3 gene;****sequence variation**

name of component: endogenous retroviral sequence 3 (includes zinc finger protein H-plk/HPF9)

[NPU32741](#)

DNA(spec.)—ERV3 gene; seq.var. = ?

DNA(specification)—**ERVE1 gene;****sequence variation**

name of component: endogenous retroviral sequence E, 1

[NPU42890](#)

DNA(spec.)—ERVE1 gene; seq.var. = ?

DNA(specification)—**ERVK2 gene;****sequence variation**

name of component: endogenous retroviral sequence K(C4), 2

[NPU32742](#)

DNA(spec.)—ERVK2 gene; seq.var. = ?

DNA(specification)—**ERVK3 gene;****sequence variation**

name of component: endogenous retroviral sequence K(C4), 3

[NPU32743](#)

DNA(spec.)—ERVK3 gene; seq.var. = ?

DNA(specification)—**ERVK4 gene;****sequence variation**

name of component: endogenous retroviral sequence K (G1), 4

[NPU42312](#)

DNA(spec.)—ERVK4 gene; seq.var. = ?

DNA(specification)—**ERVK5 gene;****sequence variation**

name of component: endogenous retroviral sequence K (G2), 5

[NPU42313](#)

DNA(spec.)—ERVK5 gene; seq.var. = ?

DNA(specification)—**ERVK6 gene;****sequence variation**

name of component: endogenous retroviral sequence K, 6

[NPU42386](#)

DNA(spec.)—ERVK6 gene; seq.var. = ?

DNA(specification)—**ERV1 gene;****sequence variation**

name of component: endogenous retroviral sequence, truncated 1 (band T1, 26.0kb)

[NPU32744](#)

DNA(spec.)—ERV1 gene; seq.var. = ?

DNA(specification)—**ERV2 gene;****sequence variation**

name of component: endogenous retroviral sequence, truncated 2 (band T2, 21.0kb)

[NPU32745](#)

DNA(spec.)—ERV2 gene; seq.var. = ?

DNA(specification)—**ERV3 gene;****sequence variation**

name of component: endogenous retroviral sequence, truncated 3 (band T3, 17.8kb)

[NPU32746](#)

DNA(spec.)—ERV3 gene; seq.var. = ?

DNA(specification)—**ERV4 gene;****sequence variation**

name of component: endogenous retroviral sequence, truncated 4 (band T4, 14.9kb)

[NPU32747](#)

DNA(spec.)—ERV4 gene; seq.var. = ?

DNA(specification)—**ERV5 gene;****sequence variation**

name of component: endogenous retroviral sequence, truncated 5

[NPU32748](#)

DNA(spec.)—ERV5 gene; seq.var. = ?

DNA(specification)—**ERVWE1 gene;****sequence variation**

name of component: endogenous retroviral family W, env(C7), member 1 (syncytin)

[NPU42169](#)

DNA(spec.)—ERVWE1 gene; seq.var. = ?

DNA(specification)—**ESA4 gene;****sequence variation**

name of component: esterase A4

[NPU32749](#)

DNA(spec.)—ESA4 gene; seq.var. = ?

DNA(specification)—**ESAT gene;****sequence variation**

name of component: esterase activator

[NPU32750](#)

DNA(spec.)—ESAT gene; seq.var. = ?

DNA(specification)—**ESB3 gene;****sequence variation**

name of component: esterase B3

[NPU32751](#)

DNA(spec.)—ESB3 gene; seq.var. = ?

DNA(specification)—**ESD gene;****sequence variation**

name of component: esterase D/formylglutathione hydrolase

[NPU32752](#)

DNA(spec.)—ESD gene; seq.var. = ?

DNA(specification)—**ESM1 gene;****sequence variation**

name of component: endothelial cell-specific molecule 1

[NPU32753](#)

DNA(spec.)—ESM1 gene; seq.var. = ?

DNA(specification)—**ESPL1 gene;****sequence variation**

name of component: extra spindle poles like 1 (S. cerevisiae)

[NPU44744](#)

DNA(spec.)—ESPL1 gene; seq.var. = ?

DNA(specification)—**ESPN gene;****sequence variation**

name of component: espin

[NPU42079](#)

DNA(spec.)—ESPN gene; seq.var. = ?

DNA(specification)—**ESR1 gene;****sequence variation**

name of component: estrogen receptor 1

[NPU32754](#)

DNA(spec.)—ESR1 gene; seq.var. = ?

DNA(specification)—**ESR2 gene;****sequence variation**

name of component: estrogen receptor 2 (ER beta)

[NPU32755](#)

DNA(spec.)—ESR2 gene; seq.var. = ?

DNA(specification)—**ESRRA gene;****sequence variation**

name of component: estrogen-related receptor alpha

[NPU32756](#)

DNA(spec.)—ESRRA gene; seq.var. = ?

DNA(specification)—**ESRRAP gene;****sequence variation**

name of component: estrogen-related receptor alpha pseudogene

[NPU32757](#)

DNA(spec.)—ESRRAP gene; seq.var. = ?

DNA(specification)—**ESRRB gene;****sequence variation**

name of component: estrogen-related receptor beta

[NPU32758](#)

DNA(spec.)—ESRRB gene; seq.var. = ?

DNA(specification)—**ESRRBL1 gene;****sequence variation**

name of component: estrogen-related receptor beta like 1

[NPU46009](#)

DNA(spec.)—ESRRBL1 gene; seq.var. = ?

DNA(specification)—**ESRRG gene;****sequence variation**

name of component: estrogen-related receptor gamma

[NPU32759](#)

DNA(spec.)—ESRRG gene; seq.var. = ?

DNA(specification)—**ESX1L gene;****sequence variation**

name of component: extraembryonic, spermatogenesis, homeobox 1-like

[NPU43122](#)

DNA(spec.)—ESX1L gene; seq.var. = ?

DNA(specification)—**ETF1 gene;****sequence variation**

name of component: eukaryotic translation termination factor 1

[NPU32760](#)

DNA(spec.)—ETF1 gene; seq.var. = ?

DNA(specification)—**ETF1P1 gene;****sequence variation**

name of component: eukaryotic translation termination factor 1 pseudogene 1

[NPU32761](#)

DNA(spec.)—ETF1P1 gene; seq.var. = ?

DNA(specification)—**ETF1P2 gene;****sequence variation**

name of component: eukaryotic translation termination factor 1 pseudogene 2

[NPU32762](#)

DNA(spec.)—ETF1P2 gene; seq.var. = ?

DNA(specification)—**ETF1P3 gene;****sequence variation**

name of component: eukaryotic translation termination factor 1 pseudogene 3

[NPU32763](#)

DNA(spec.)—ETF1P3 gene; seq.var. = ?

DNA(specification)—**ETFA gene;****sequence variation**

name of component: electron-transfer-flavoprotein, alpha polypeptide (glutaric aciduria II)

[NPU19064](#)

DNA(spec.)—ETFA gene; seq.var. = ?

DNA(specification)—**ETFB gene;****sequence variation**

name of component: electron-transfer-flavoprotein, beta polypeptide

[NPU19065](#)

DNA(spec.)—ETFB gene; seq.var. = ?

DNA(specification)—**ETFDH gene;****sequence variation**

name of component: electron-transferring-flavoprotein dehydrogenase

[NPU32764](#)

DNA(spec.)—ETFDH gene; seq.var. = ?

DNA(specification)—**ETM1 gene;****sequence variation**

name of component: essential tremor 1

[NPU32765](#)

DNA(spec.)—ETM1 gene; seq.var. = ?

DNA(specification)—**ETM2 gene;****sequence variation**

name of component: essential tremor 2

[NPU32766](#)

DNA(spec.)—ETM2 gene; seq.var. = ?

DNA(specification)—**ETS1 gene;****sequence variation**

name of component: v-ets erythroblastosis virus E26 oncogene homolog 1 (avian)

[NPU32767](#)

DNA(spec.)—ETS1 gene; seq.var. = ?

DNA(specification)—**ETS2 gene;****sequence variation**

name of component: v-ets erythroblastosis virus E26 oncogene homolog 2 (avian)

[NPU32768](#)

DNA(spec.)—ETS2 gene; seq.var. = ?

DNA(specification)—**ETV1 gene;****sequence variation**

name of component: ets variant gene 1

[NPU32769](#)

DNA(spec.)—ETV1 gene; seq.var. = ?

DNA(specification)—**ETV2 gene;****sequence variation**

name of component: ets variant gene 2

[NPU32770](#)

DNA(spec.)—ETV2 gene; seq.var. = ?

DNA(specification)—**ETV3 gene;****sequence variation**

name of component: ets variant gene 3

[NPU32771](#)

DNA(spec.)—ETV3 gene; seq.var. = ?

DNA(specification)—**ETV4 gene;****sequence variation**

name of component: ets variant gene 4 (E1A enhancer binding protein, E1AF)

[NPU32772](#)

DNA(spec.)—ETV4 gene; seq.var. = ?

DNA(specification)—**ETV5 gene;****sequence variation**

name of component: ets variant gene 5 (ets-related molecule)

[NPU32773](#)

DNA(spec.)—ETV5 gene; seq.var. = ?

DNA(specification)—**ETV6 gene;****sequence variation**

name of component: ets variant gene 6 (TEL oncogene)

[NPU32774](#)

DNA(spec.)—ETV6 gene; seq.var. = ?

DNA(specification)—**ETV7 gene;****sequence variation**

name of component: ets variant gene 7 (TEL2 oncogene)

[NPU46334](#)

DNA(spec.)—ETV7 gene; seq.var. = ?

DNA(specification)—**EVA1 gene;****sequence variation**

name of component: epithelial V-like antigen 1

[NPU32775](#)

DNA(spec.)—EVA1 gene; seq.var. = ?

DNA(specification)—**EVC gene;****sequence variation**

name of component: Ellis van Creveld syndrome

[NPU32776](#)

DNA(spec.)—EVC gene; seq.var. = ?

DNA(specification)—**EVC2 gene;****sequence variation**

name of component: Ellis van Creveld syndrome 2 (limbin)

[NPU47178](#)

DNA(spec.)—EVC2 gene; seq.var. = ?

DNA(specification)—**EVER1 gene;****sequence variation**

name of component: epidermodysplasia verruciformis 1

[NPU46236](#)

DNA(spec.)—EVER1 gene; seq.var. = ?

DNA(specification)—**EVER2 gene;****sequence variation**

name of component: epidermodysplasia verruciformis 2

[NPU47638](#)

DNA(spec.)—EVER2 gene; seq.var. = ?

DNA(specification)—**EVI1 gene;****sequence variation**

name of component: ecotropic viral integration site 1

[NPU32777](#)

DNA(spec.)—EVI1 gene; seq.var. = ?

DNA(specification)—**EVI2A gene;****sequence variation**

name of component: ecotropic viral integration site 2A

[NPU32778](#)

DNA(spec.)—EVI2A gene; seq.var. = ?

DNA(specification)—**EVI2B gene;****sequence variation**

name of component: ecotropic viral integration site 2B

[NPU32779](#)

DNA(spec.)—EVI2B gene; seq.var. = ?

DNA(specification)—**EVI5 gene;****sequence variation**

name of component: ecotropic viral integration site 5

[NPU32780](#)

DNA(spec.)—EVI5 gene; seq.var. = ?

DNA(specification)—**EVL gene;****sequence variation**

name of component: Enah/Vasp-like

[NPU47507](#)

DNA(spec.)—EVL gene; seq.var. = ?

DNA(specification)—**EVPL gene;****sequence variation**

name of component: envoplakin

[NPU32781](#)

DNA(spec.)—EVPL gene; seq.var. = ?

DNA(specification)—**EVR1 gene;****sequence variation**

name of component: exudative vitreoretinopathy 1 (autosomal dominant; Criswick-Schepens syndrome)

[NPU32782](#)

DNA(spec.)—EVR1 gene; seq.var. = ?

DNA(specification)—**EVR2 gene;****sequence variation**

name of component: exudative vitreoretinopathy 2 (X-linked)

[NPU32783](#)

DNA(spec.)—EVR2 gene; seq.var. = ?

DNA(specification)—**EVX1 gene;****sequence variation**

name of component: eve, even-skipped homeo box homolog 1 (Drosophila)

[NPU32784](#)

DNA(spec.)—EVX1 gene; seq.var. = ?

DNA(specification)—**EVX2 gene;****sequence variation**

name of component: eve, even-skipped homeo box homolog 2 (Drosophila)

[NPU32785](#)

DNA(spec.)—EVX2 gene; seq.var. = ?

DNA(specification)—**EWSR1 gene;****sequence variation**

name of component: Ewing sarcoma breakpoint region 1

[NPU19066](#)

DNA(spec.)—EWSR1 gene; seq.var. = ?

RNA(specification)—**EWSR1 gene;****sequence variation**

name of component: Ewing sarcoma breakpoint region 1

[NPU19599](#)

RNA(spec.)—EWSR1 gene; seq.var. = ?

DNA(specification)—**EXLD1 gene;****sequence variation**

name of component: extracellular link domain containing, 1

[NPU32786](#)

DNA(spec.)—EXLD1 gene; seq.var. = ?

DNA(specification)—**EXO1 gene;****sequence variation**

name of component: exonuclease 1

[NPU32787](#)

DNA(spec.)—EXO1 gene; seq.var. = ?

DNA(specification)—**EXT1 gene;****sequence variation**

name of component: exostoses (multiple) 1

[NPU32788](#)

DNA(spec.)—EXT1 gene; seq.var. = ?

DNA(specification)—**EXT2 gene;****sequence variation**

name of component: exostoses (multiple) 2

[NPU32789](#)

DNA(spec.)—EXT2 gene; seq.var. = ?

DNA(specification)—**EXT3 gene;****sequence variation**

name of component: exostoses (multiple) 3

[NPU32790](#)

DNA(spec.)—EXT3 gene; seq.var. = ?

DNA(specification)—**EXTL1 gene;****sequence variation**

name of component: exostoses (multiple)-like 1

[NPU32791](#)

DNA(spec.)—EXTL1 gene; seq.var. = ?

DNA(specification)—**EXTL2 gene;****sequence variation**

name of component: exostoses (multiple)-like 2

[NPU32792](#)

DNA(spec.)—EXTL2 gene; seq.var. = ?

DNA(specification)—**EXTL2P gene;****sequence variation**

name of component: exostoses (multiple)-like 2 pseudogene

[NPU32793](#)

DNA(spec.)—EXTL2P gene; seq.var. = ?

DNA(specification)—**EXTL3 gene;****sequence variation**

name of component: exostoses (multiple)-like 3

[NPU32794](#)

DNA(spec.)—EXTL3 gene; seq.var. = ?

DNA(specification)—**EYA1 gene;****sequence variation**

name of component: eyes absent homolog 1 (Drosophila)

[NPU32795](#)

DNA(spec.)—EYA1 gene; seq.var. = ?

DNA(specification)—**EYA2 gene;****sequence variation**

name of component: eyes absent homolog 2 (Drosophila)

[NPU32796](#)

DNA(spec.)—EYA2 gene; seq.var. = ?

DNA(specification)—**EYA3 gene;****sequence variation**

name of component: eyes absent homolog 3 (Drosophila)

[NPU32797](#)

DNA(spec.)—EYA3 gene; seq.var. = ?

DNA(specification)—**EYA4 gene;****sequence variation**

name of component: eyes absent homolog 4 (Drosophila)

[NPU32798](#)

DNA(spec.)—EYA4 gene; seq.var. = ?

DNA(specification)—**EYCL1 gene;****sequence variation**

name of component: eye color 1 (green/blue)

[NPU32799](#)

DNA(spec.)—EYCL1 gene; seq.var. = ?

DNA(specification)—**EYCL2 gene;****sequence variation**

name of component: eye color 2 (central brown)

[NPU32800](#)

DNA(spec.)—EYCL2 gene; seq.var. = ?

DNA(specification)—**EYCL3 gene;****sequence variation**

name of component: eye color 3 (brown)

[NPU32801](#)

DNA(spec.)—EYCL3 gene; seq.var. = ?

DNA(specification)—**EZH1 gene;****sequence variation**

name of component: enhancer of zeste homolog 1 (Drosophila)

[NPU32802](#)

DNA(spec.)—EZH1 gene; seq.var. = ?

DNA(specification)—**EZH2 gene;****sequence variation**

name of component: enhancer of zeste homolog 2 (Drosophila)

[NPU32803](#)

DNA(spec.)—EZH2 gene; seq.var. = ?

DNA(specification)—**F10 gene;****sequence variation**

name of component: coagulation factor X

[NPU32804](#)

DNA(spec.)—F10 gene; seq.var. = ?

DNA(specification)—**F11 gene;****sequence variation**

name of component: coagulation factor XI (plasma thromboplastin antecedent)

[NPU32805](#)

DNA(spec.)—F11 gene; seq.var. = ?

DNA(specification)—**F11R gene;****sequence variation**

name of component: F11 receptor

[NPU42947](#)

DNA(spec.)—F11R gene; seq.var. = ?

DNA(specification)—**F12 gene;****sequence variation**

name of component: coagulation factor XII (Hageman factor)

[NPU32806](#)

DNA(spec.)—F12 gene; seq.var. = ?

DNA(specification)—**F13A1 gene;****sequence variation**

name of component: coagulation factor XIII, A1 polypeptide

[NPU32807](#)

DNA(spec.)—F13A1 gene; seq.var. = ?

DNA(specification)—**F13A2 gene;****sequence variation**

name of component: coagulation factor XIII, A2 polypeptide

[NPU32808](#)

DNA(spec.)—F13A2 gene; seq.var. = ?

DNA(specification)—**F13A3 gene;****sequence variation**

name of component: coagulation factor XIII, A3 polypeptide

[NPU32809](#)

DNA(spec.)—F13A3 gene; seq.var. = ?

DNA(specification)—**F13B gene;****sequence variation**

name of component: coagulation factor XIII, B polypeptide

[NPU32810](#)

DNA(spec.)—F13B gene; seq.var. = ?

DNA(specification)—**F2 gene;****sequence variation**

name of component: coagulation factor II (thrombin)

[NPU19067](#)

DNA(spec.)—F2 gene; seq.var. = ?

DNA(specification)—**F2 gene(MIM176930.0009);****entitic number(0 1 2)****NPU19269**

DNA(spec.)—F2 gene(MIM176930.0009); entitic num.(0 1 2) = ?

DNA(specification)—**F2L gene;****sequence variation**

name of component: coagulation factor II (thrombin)-like

[**NPU32811**](#)

DNA(spec.)—F2L gene; seq.var. = ?

DNA(specification)—**F2R gene;****sequence variation**

name of component: coagulation factor II (thrombin) receptor

[**NPU32812**](#)

DNA(spec.)—F2R gene; seq.var. = ?

DNA(specification)—**F2RL1 gene;****sequence variation**

name of component: coagulation factor II (thrombin) receptor-like 1

[**NPU32813**](#)

DNA(spec.)—F2RL1 gene; seq.var. = ?

DNA(specification)—**F2RL2 gene;****sequence variation**

name of component: coagulation factor II (thrombin) receptor-like 2

[**NPU32814**](#)

DNA(spec.)—F2RL2 gene; seq.var. = ?

DNA(specification)—**F2RL3 gene;****sequence variation**

name of component: coagulation factor II (thrombin) receptor-like 3

[**NPU32815**](#)

DNA(spec.)—F2RL3 gene; seq.var. = ?

DNA(specification)—**F3 gene;****sequence variation**

name of component: coagulation factor III (thromboplastin, tissue factor)

[**NPU32816**](#)

DNA(spec.)—F3 gene; seq.var. = ?

DNA(specification)—**F5 gene;****sequence variation**

name of component: coagulation factor V (proaccelerin, labile factor)

[**NPU19068**](#)

DNA(spec.)—F5 gene; seq.var. = ?

DNA(specification)—**F5 gene(MIM227400.0001);****entitic number(0 1 2)****NPU19270**

DNA(spec.)—F5 gene(MIM227400.0001); entitic num.(0 1 2) = ?

DNA(specification)—**F7 gene;****sequence variation**

name of component: coagulation factor VII (serum prothrombin conversion accelerator)

[**NPU19069**](#)

DNA(spec.)—F7 gene; seq.var. = ?

DNA(specification)—**F7R gene;****sequence variation**

name of component: coagulation factor VII regulator

[**NPU32817**](#)

DNA(spec.)—F7R gene; seq.var. = ?

DNA(specification)—**F8 gene;****sequence variation**

name of component: coagulation factor VIII, procoagulant component (hemophilia A)

[**NPU19070**](#)

DNA(spec.)—F8 gene; seq.var. = ?

DNA(specification)—**F8A gene;****sequence variation**

name of component: coagulation factor VIII-associated (intronic transcript)

[**NPU32818**](#)

DNA(spec.)—F8A gene; seq.var. = ?

DNA(specification)—**F9 gene;****sequence variation**

name of component: coagulation factor IX (plasma thromboplastic component, Christmas disease, hemophilia B)

[**NPU19071**](#)

DNA(spec.)—F9 gene; seq.var. = ?

DNA(specification)—**FABP1 gene;****sequence variation**

name of component: fatty acid binding protein 1, liver

[NPU32821](#)

DNA(spec.)—FABP1 gene; seq.var. = ?

DNA(specification)—**FABP2 gene;****sequence variation**

name of component: fatty acid binding protein 2, intestinal

[NPU32822](#)

DNA(spec.)—FABP2 gene; seq.var. = ?

DNA(specification)—**FABP3 gene;****sequence variation**

name of component: fatty acid binding protein 3, muscle and heart (mammary-derived growth inhibitor)

[NPU32823](#)

DNA(spec.)—FABP3 gene; seq.var. = ?

DNA(specification)—**FABP3P2 gene;****sequence variation**

name of component: fatty acid binding protein 3, pseudogene 2

[NPU32824](#)

DNA(spec.)—FABP3P2 gene; seq.var. = ?

DNA(specification)—**FABP4 gene;****sequence variation**

name of component: fatty acid binding protein 4, adipocyte

[NPU32825](#)

DNA(spec.)—FABP4 gene; seq.var. = ?

DNA(specification)—**FABP5 gene;****sequence variation**

name of component: fatty acid binding protein 5 (psoriasis-associated)

[NPU32826](#)

DNA(spec.)—FABP5 gene; seq.var. = ?

DNA(specification)—**FABP5P1 gene;****sequence variation**

name of component: fatty acid binding protein 5, pseudogene 1

[NPU46976](#)

DNA(spec.)—FABP5P1 gene; seq.var. = ?

DNA(specification)—**FABP6 gene;****sequence variation**

name of component: fatty acid binding protein 6, ileal (gastrotropin)

[NPU32827](#)

DNA(spec.)—FABP6 gene; seq.var. = ?

DNA(specification)—**FABP7 gene;****sequence variation**

name of component: fatty acid binding protein 7, brain

[NPU32828](#)

DNA(spec.)—FABP7 gene; seq.var. = ?

DNA(specification)—**FABP9 gene;****sequence variation**

name of component: fatty acid binding protein 9, testis

[NPU32829](#)

DNA(spec.)—FABP9 gene; seq.var. = ?

DNA(specification)—**FACL1 gene;****sequence variation**

name of component: fatty-acid-Coenzyme A ligase, long-chain 1

[NPU32830](#)

DNA(spec.)—FACL1 gene; seq.var. = ?

DNA(specification)—**FACL2 gene;****sequence variation**

name of component: fatty-acid-Coenzyme A ligase, long-chain 2

[NPU32831](#)

DNA(spec.)—FACL2 gene; seq.var. = ?

DNA(specification)—**FACL3 gene;****sequence variation**

name of component: fatty-acid-Coenzyme A ligase, long-chain 3

[NPU32832](#)

DNA(spec.)—FACL3 gene; seq.var. = ?

DNA(specification)—**FACL4 gene;****sequence variation**

name of component: fatty-acid-Coenzyme A ligase, long-chain 4

[NPU32833](#)

DNA(spec.)—FACL4 gene; seq.var. = ?

DNA(specification)—**FACL5 gene;****sequence variation**

name of component: fatty-acid-Coenzyme A ligase, long-chain 5

[NPU44508](#)

DNA(spec.)—FACL5 gene; seq.var. = ?

DNA(specification)—**FACL6 gene;****sequence variation**

name of component: fatty-acid-Coenzyme A ligase, long-chain 6

[NPU44486](#)

DNA(spec.)—FACL6 gene; seq.var. = ?

DNA(specification)—**FADD gene;****sequence variation**

name of component: Fas (TNFRSF6)-associated via death domain

[NPU32834](#)

DNA(spec.)—FADD gene; seq.var. = ?

DNA(specification)—**FADS1 gene;****sequence variation**

name of component: fatty acid desaturase 1

[NPU32835](#)

DNA(spec.)—FADS1 gene; seq.var. = ?

DNA(specification)—**FADS2 gene;****sequence variation**

name of component: fatty acid desaturase 2

[NPU32836](#)

DNA(spec.)—FADS2 gene; seq.var. = ?

DNA(specification)—**FADS3 gene;****sequence variation**

name of component: fatty acid desaturase 3

[NPU32837](#)

DNA(spec.)—FADS3 gene; seq.var. = ?

DNA(specification)—**FAF1 gene;****sequence variation**

name of component: Fas (TNFRSF6) associated factor 1

[NPU32838](#)

DNA(spec.)—FAF1 gene; seq.var. = ?

DNA(specification)—**FAH gene;****sequence variation**

name of component: fumarylacetoacetate hydrolase (fumarylacetoacetase)

[NPU19072](#)

DNA(spec.)—FAH gene; seq.var. = ?

DNA(specification)—**FAIM gene;****sequence variation**

name of component: Fas apoptotic inhibitory molecule

[NPU46626](#)

DNA(spec.)—FAIM gene; seq.var. = ?

DNA(specification)—**FAIM2 gene;****sequence variation**

name of component: Fas apoptotic inhibitory molecule 2

[NPU44835](#)

DNA(spec.)—FAIM2 gene; seq.var. = ?

DNA(specification)—**FALZ gene;****sequence variation**

name of component: fetal Alzheimer antigen

[NPU32839](#)

DNA(spec.)—FALZ gene; seq.var. = ?

DNA(specification)—**FAM10A3 gene;****sequence variation**

name of component: family with sequence similarity 10, member A3

[NPU46525](#)

DNA(spec.)—FAM10A3 gene; seq.var. = ?

DNA(specification)—**FAM10A4 gene;****sequence variation**

name of component: family with sequence similarity 10, member A4

[NPU46493](#)

DNA(spec.)—FAM10A4 gene; seq.var. = ?

DNA(specification)—**FAM10A5 gene;****sequence variation**

name of component: family with sequence similarity 10, member A5

[NPU46529](#)

DNA(spec.)—FAM10A5 gene; seq.var. = ?

DNA(specification)—**FAM10A6 gene;****sequence variation**

name of component: family with sequence similarity 10, member A6

[NPU46530](#)

DNA(spec.)—FAM10A6 gene; seq.var. = ?

DNA(specification)—**FAM10A7 gene;****sequence variation**

name of component: family with sequence similarity 10, member A7

[NPU46531](#)

DNA(spec.)—FAM10A7 gene; seq.var. = ?

DNA(specification)—**FAM12A gene;****sequence variation**

name of component: family with sequence similarity 12, member A

[NPU44797](#)

DNA(spec.)—FAM12A gene; seq.var. = ?

DNA(specification)—**FAM12B gene;****sequence variation**

name of component: family with sequence similarity 12, member B (epididymal)

[NPU46922](#)

DNA(spec.)—FAM12B gene; seq.var. = ?

DNA(specification)—**FAM12CP gene;****sequence variation**

name of component: family with sequence similarity 12, member C pseudogene

[NPU46923](#)

DNA(spec.)—FAM12CP gene; seq.var. = ?

DNA(specification)—**FAM13A1 gene;****sequence variation**

name of component: family with sequence similarity 13, member A1

[NPU46996](#)

DNA(spec.)—FAM13A1 gene; seq.var. = ?

DNA(specification)—**FAM13A1OS gene;****sequence variation**

name of component: family with sequence similarity 13, member A1, opposite strand

[NPU46998](#)

DNA(spec.)—FAM13A1OS gene; seq.var. = ?

DNA(specification)—**FAM13C1 gene;****sequence variation**

name of component: family with sequence similarity 13, member C1

[NPU46999](#)

DNA(spec.)—FAM13C1 gene; seq.var. = ?

DNA(specification)—**FAM14A gene;****sequence variation**

name of component: family with sequence similarity 14, member A

[NPU47182](#)

DNA(spec.)—FAM14A gene; seq.var. = ?

DNA(specification)—**FAM14B gene;****sequence variation**

name of component: family with sequence similarity 14, member B

[NPU47183](#)

DNA(spec.)—FAM14B gene; seq.var. = ?

DNA(specification)—**FAM15A gene;****sequence variation**

name of component: family with sequence similarity 15, member A

[NPU46584](#)

DNA(spec.)—FAM15A gene; seq.var. = ?

DNA(specification)—**FAM15B gene;****sequence variation**

name of component: family with sequence similarity 15, member B

[NPU46586](#)

DNA(spec.)—FAM15B gene; seq.var. = ?

DNA(specification)—**FAM16AX gene;****sequence variation**

name of component: family with sequence similarity 16, member A, X-linked

[NPU44717](#)

DNA(spec.)—FAM16AX gene; seq.var. = ?

DNA(specification)—**FAM16AY gene;****sequence variation**

name of component: family with sequence similarity 16, member A, Y-linked

[NPU47481](#)

DNA(spec.)—FAM16AY gene; seq.var. = ?

DNA(specification)—**FAM16B gene;****sequence variation**

name of component: family with sequence similarity 16, member B

[NPU47480](#)

DNA(spec.)—FAM16B gene; seq.var. = ?

DNA(specification)—**FAM18A gene;****sequence variation**

name of component: family with sequence similarity 18, member A

[NPU47598](#)

DNA(spec.)—FAM18A gene; seq.var. = ?

DNA(specification)—**FAM18B gene;****sequence variation**

name of component: family with sequence similarity 18, member B

[NPU47599](#)

DNA(spec.)—FAM18B gene; seq.var. = ?

DNA(specification)—**FAM3A gene;****sequence variation**

name of component: family with sequence similarity 3, member A

[NPU42309](#)

DNA(spec.)—FAM3A gene; seq.var. = ?

DNA(specification)—**FAM3B gene;****sequence variation**

name of component: chromosome 21 open reading frame 11

[NPU31016](#)

DNA(spec.)—FAM3B gene; seq.var. = ?

DNA(specification)—**FAM3C gene;****sequence variation**

name of component: family with sequence similarity 3, member C

[NPU46605](#)

DNA(spec.)—FAM3C gene; seq.var. = ?

DNA(specification)—**FAM3D gene;****sequence variation**

name of component: family with sequence similarity 3, member D

[NPU46606](#)

DNA(spec.)—FAM3D gene; seq.var. = ?

DNA(specification)—**FAM6A gene;****sequence variation**

name of component: family with sequence similarity 6, member A

[NPU42454](#)

DNA(spec.)—FAM6A gene; seq.var. = ?

DNA(specification)—**FAM6B gene;****sequence variation**

name of component: family with sequence similarity 6, member B pseudogene

[NPU42455](#)

DNA(spec.)—FAM6B gene; seq.var. = ?

DNA(specification)—**FAM7A1 gene;****sequence variation**

name of component: family with sequence similarity 7, member A1

[NPU43891](#)

DNA(spec.)—FAM7A1 gene; seq.var. = ?

DNA(specification)—**FAM7A2 gene;****sequence variation**

name of component: family with sequence similarity 7, member A2

[NPU43892](#)

DNA(spec.)—FAM7A2 gene; seq.var. = ?

DNA(specification)—**FAM7A3 gene;****sequence variation**

name of component: family with sequence similarity 7, member A3

[NPU43893](#)

DNA(spec.)—FAM7A3 gene; seq.var. = ?

DNA(specification)—**FAM7A4 gene;****sequence variation**

name of component: family with sequence similarity 7, member A4

[NPU43894](#)

DNA(spec.)—FAM7A4 gene; seq.var. = ?

DNA(specification)—**FAM7A5 gene;****sequence variation**

name of component: family with sequence similarity 7, member A5

[NPU43895](#)

DNA(spec.)—FAM7A5 gene; seq.var. = ?

DNA(specification)—**FAM7B1 gene;****sequence variation**

name of component: family with sequence similarity 7, member B1

[NPU43896](#)

DNA(spec.)—FAM7B1 gene; seq.var. = ?

DNA(specification)—**FAM8A1 gene;****sequence variation**

name of component: family with sequence similarity 8, member A1

[NPU44382](#)

DNA(spec.)—FAM8A1 gene; seq.var. = ?

DNA(specification)—**FAM8A2P gene;****sequence variation**

name of component: family with sequence similarity 8, member A2 pseudogene

[NPU44383](#)

DNA(spec.)—FAM8A2P gene; seq.var. = ?

DNA(specification)—**FAM8A3P gene;****sequence variation**

name of component: family with sequence similarity 8, member A3 pseudogene

[NPU44384](#)

DNA(spec.)—FAM8A3P gene; seq.var. = ?

DNA(specification)—**FAM8A4P gene;****sequence variation**

name of component: family with sequence similarity 8, member A4 pseudogene

[NPU44385](#)

DNA(spec.)—FAM8A4P gene; seq.var. = ?

DNA(specification)—**FAM8A5P gene;****sequence variation**

name of component: family with sequence similarity 8, member A5 pseudogene

[NPU44386](#)

DNA(spec.)—FAM8A5P gene; seq.var. = ?

DNA(specification)—**FAM8A6P gene;****sequence variation**

name of component: family with sequence similarity 8, member A6 pseudogene

[NPU44387](#)

DNA(spec.)—FAM8A6P gene; seq.var. = ?

DNA(specification)—**FAM9A gene;****sequence variation**

name of component: family with sequence similarity 9, member A

[NPU46449](#)

DNA(spec.)—FAM9A gene; seq.var. = ?

DNA(specification)—**FAM9B gene;****sequence variation**

name of component: family with sequence similarity 9, member B

[NPU46450](#)

DNA(spec.)—FAM9B gene; seq.var. = ?

DNA(specification)—**FAM9C gene;****sequence variation**

name of component: family with sequence similarity 9, member C

[NPU46451](#)

DNA(spec.)—FAM9C gene; seq.var. = ?

DNA(specification)—**FANCA gene;****sequence variation**

name of component: Fanconi anemia, complementation group A

[NPU32840](#)

DNA(spec.)—FANCA gene; seq.var. = ?

DNA(specification)—**FANCB gene;****sequence variation**

name of component: Fanconi anemia, complementation group B

[NPU32841](#)

DNA(spec.)—FANCB gene; seq.var. = ?

DNA(specification)—**FANCC gene;****sequence variation**

name of component: Fanconi anemia, complementation group C

[NPU32842](#)

DNA(spec.)—FANCC gene; seq.var. = ?

DNA(specification)—**FANCD1 gene;****sequence variation**

name of component: Fanconi anemia, complementation group D1

[NPU44667](#)

DNA(spec.)—FANCD1 gene; seq.var. = ?

DNA(specification)—**FANCD2 gene;****sequence variation**

name of component: Fanconi anemia, complementation group D2

[NPU32843](#)

DNA(spec.)—FANCD2 gene; seq.var. = ?

DNA(specification)—**FANCE gene;****sequence variation**

name of component: Fanconi anemia, complementation group E

[NPU32844](#)

DNA(spec.)—FANCE gene; seq.var. = ?

DNA(specification)—**FANCF gene;****sequence variation**

name of component: Fanconi anemia, complementation group F

[NPU32845](#)

DNA(spec.)—FANCF gene; seq.var. = ?

DNA(specification)—**FANCG gene;****sequence variation**

name of component: Fanconi anemia, complementation group G

[NPU32846](#)

DNA(spec.)—FANCG gene; seq.var. = ?

DNA(specification)—**FAP gene;****sequence variation**

name of component: fibroblast activation protein, alpha

[NPU19073](#)

DNA(spec.)—FAP gene; seq.var. = ?

DNA(specification)—**FARP1 gene;****sequence variation**

name of component: FERM, RhoGEF (ARHGEF) and pleckstrin domain protein 1 (chondrocyte-derived)

[NPU32847](#)

DNA(spec.)—FARP1 gene; seq.var. = ?

DNA(specification)—**FARP2 gene;****sequence variation**

name of component: FERM, RhoGEF and pleckstrin domain protein 2

[NPU44455](#)

DNA(spec.)—FARP2 gene; seq.var. = ?

DNA(specification)—**FARS1 gene;****sequence variation**

name of component: phenylalanine-tRNA synthetase 1 (mitochondrial)

[NPU47853](#)

DNA(spec.)—FARS1 gene; seq.var. = ?

DNA(specification)—**FARSL gene;****sequence variation**

name of component: phenylalanine-tRNA synthetase-like

[NPU32848](#)

DNA(spec.)—FARSL gene; seq.var. = ?

DNA(specification)—**FASN gene;****sequence variation**

name of component: fatty acid synthase

[NPU32849](#)

DNA(spec.)—FASN gene; seq.var. = ?

DNA(specification)—**FAT gene;****sequence variation**

name of component: FAT tumor suppressor homolog 1 (Drosophila)

[NPU32850](#)

DNA(spec.)—FAT gene; seq.var. = ?

DNA(specification)—**FAT1P1 gene;****sequence variation**

name of component: FAT tumor suppressor homolog 1 (Drosophila) pseudogene 1

[NPU44562](#)

DNA(spec.)—FAT1P1 gene; seq.var. = ?

DNA(specification)—**FAT2 gene;****sequence variation**

name of component: FAT tumor suppressor homolog 2 (Drosophila)

[NPU32851](#)

DNA(spec.)—FAT2 gene; seq.var. = ?

DNA(specification)—**FAU gene;****sequence variation**

name of component: Finkel-Biskis-Reilly murine sarcoma virus (FBR-MuSV) ubiquitously expressed (fox derived); ribosomal protein S30

[NPU32852](#)

DNA(spec.)—FAU gene; seq.var. = ?

DNA(specification)—**FAUNA@ gene;****sequence variation**

name of component: FAU neighboring area cluster

[NPU32853](#)

DNA(spec.)—FAUNA@ gene; seq.var. = ?

DNA(specification)—**FAUP1 gene;****sequence variation**

name of component: FBR-MuSV-associated ubiquitously expressed (fox derived) pseudogene 1

[NPU46207](#)

DNA(spec.)—FAUP1 gene; seq.var. = ?

DNA(specification)—**FBL gene;****sequence variation**

name of component: fibrillarin

[NPU32854](#)

DNA(spec.)—FBL gene; seq.var. = ?

DNA(specification)—**FBLN1 gene;****sequence variation**

name of component: fibulin 1

[NPU32855](#)

DNA(spec.)—FBLN1 gene; seq.var. = ?

DNA(specification)—**FBLN2 gene;****sequence variation**

name of component: fibulin 2

[NPU32856](#)

DNA(spec.)—FBLN2 gene; seq.var. = ?

DNA(specification)—**FBLN5 gene;****sequence variation**

name of component: fibulin 5

[NPU32857](#)

DNA(spec.)—FBLN5 gene; seq.var. = ?

DNA(specification)—**FBN1 gene;****sequence variation**

name of component: fibrillin 1 (Marfan syndrome)

[NPU19074](#)

DNA(spec.)—FBN1 gene; seq.var. = ?

DNA(specification)—**FBN2 gene;****sequence variation**

name of component: fibrillin 2 (congenital contractual arachnodactyly)

[NPU32858](#)

DNA(spec.)—FBN2 gene; seq.var. = ?

DNA(specification)—**FBN3 gene;****sequence variation**

name of component: fibrillin 3

[NPU46665](#)

DNA(spec.)—FBN3 gene; seq.var. = ?

DNA(specification)—**FBP1 gene;****sequence variation**

name of component: fructose-1,6-bisphosphatase 1

[NPU32859](#)

DNA(spec.)—FBP1 gene; seq.var. = ?

DNA(specification)—**FBP2 gene;****sequence variation**

name of component: fructose-1,6-bisphosphatase 2

[NPU32860](#)

DNA(spec.)—FBP2 gene; seq.var. = ?

DNA(specification)—**FBS1 gene;****sequence variation**

name of component: fibrosin 1

[NPU47619](#)

DNA(spec.)—FBS1 gene; seq.var. = ?

DNA(specification)—**FBXL11 gene;****sequence variation**

name of component: F-box and leucine-rich repeat protein 11

[NPU42231](#)

DNA(spec.)—FBXL11 gene; seq.var. = ?

DNA(specification)—**FBXL2 gene;****sequence variation**

name of component: F-box and leucine-rich repeat protein 2

[NPU42223](#)

DNA(spec.)—FBXL2 gene; seq.var. = ?

DNA(specification)—**FBXL3A gene;****sequence variation**

name of component: F-box and leucine-rich repeat protein 3A

[NPU42224](#)

DNA(spec.)—FBXL3A gene; seq.var. = ?

DNA(specification)—**FBXL3B gene;****sequence variation**

name of component: F-box and leucine-rich repeat protein 3B

[NPU42225](#)

DNA(spec.)—FBXL3B gene; seq.var. = ?

DNA(specification)—**FBXL4 gene;****sequence variation**

name of component: F-box and leucine-rich repeat protein 4

[NPU42226](#)

DNA(spec.)—FBXL4 gene; seq.var. = ?

DNA(specification)—**FBXL5 gene;****sequence variation**

name of component: F-box and leucine-rich repeat protein 5

[NPU42227](#)

DNA(spec.)—FBXL5 gene; seq.var. = ?

DNA(specification)—**FBXL6 gene;****sequence variation**

name of component: F-box and leucine-rich repeat protein 6

[NPU42228](#)

DNA(spec.)—FBXL6 gene; seq.var. = ?

DNA(specification)—**FBXL7 gene;****sequence variation**

name of component: F-box and leucine-rich repeat protein 7

[NPU42229](#)

DNA(spec.)—FBXL7 gene; seq.var. = ?

DNA(specification)—**FBXL8 gene;****sequence variation**

name of component: F-box and leucine-rich repeat protein 8

[NPU46157](#)

DNA(spec.)—FBXL8 gene; seq.var. = ?

DNA(specification)—**FBXL9 gene;****sequence variation**

name of component: F-box and leucine-rich repeat protein 9

[NPU42230](#)

DNA(spec.)—FBXL9 gene; seq.var. = ?

DNA(specification)—**FBXO10 gene;****sequence variation**

name of component: F-box only protein 10

[NPU42214](#)

DNA(spec.)—FBXO10 gene; seq.var. = ?

DNA(specification)—**FBXO11 gene;****sequence variation**

name of component: F-box only protein 11

[NPU42215](#)

DNA(spec.)—FBXO11 gene; seq.var. = ?

DNA(specification)—**FBXO13 gene;****sequence variation**

name of component: F-box only protein 13

[NPU42235](#)

DNA(spec.)—FBXO13 gene; seq.var. = ?

DNA(specification)—**FBXO2 gene;****sequence variation**

name of component: F-box only protein 2

[NPU42206](#)

DNA(spec.)—FBXO2 gene; seq.var. = ?

DNA(specification)—**FBXO20 gene;****sequence variation**

name of component: F-box only protein 20

[NPU42216](#)

DNA(spec.)—FBXO20 gene; seq.var. = ?

DNA(specification)—**FBXO21 gene;****sequence variation**

name of component: F-box only protein 21

[NPU42217](#)

DNA(spec.)—FBXO21 gene; seq.var. = ?

DNA(specification)—**FBXO22 gene;****sequence variation**

name of component: F-box only protein 22

[NPU42218](#)

DNA(spec.)—FBXO22 gene; seq.var. = ?

DNA(specification)—**FBXO23 gene;****sequence variation**

name of component: F-box only protein 23

[NPU42219](#)

DNA(spec.)—FBXO23 gene; seq.var. = ?

DNA(specification)—**FBXO24 gene;****sequence variation**

name of component: F-box only protein 24

[NPU42220](#)

DNA(spec.)—FBXO24 gene; seq.var. = ?

DNA(specification)—**FBXO25 gene;****sequence variation**

name of component: F-box only protein 25

[NPU42221](#)

DNA(spec.)—FBXO25 gene; seq.var. = ?

DNA(specification)—
FBXO26 gene;
sequence variation
name of component: F-box only protein 26
[NPU46657](#)
DNA(spec.)—FBXO26 gene; seq.var. = ?

DNA(specification)—
FBXO27 gene;
sequence variation
name of component: F-box only protein 27
[NPU46656](#)
DNA(spec.)—FBXO27 gene; seq.var. = ?

DNA(specification)—
FBXO29 gene;
sequence variation
name of component: F-box only protein 29
[NPU42222](#)
DNA(spec.)—FBXO29 gene; seq.var. = ?

DNA(specification)—
FBXO3 gene;
sequence variation
name of component: F-box only protein 3
[NPU42207](#)
DNA(spec.)—FBXO3 gene; seq.var. = ?

DNA(specification)—
FBXO30 gene;
sequence variation
name of component: F-box protein 30
[NPU43773](#)
DNA(spec.)—FBXO30 gene; seq.var. = ?

DNA(specification)—
FBXO31 gene;
sequence variation
name of component: F-box only protein 31
[NPU44499](#)
DNA(spec.)—FBXO31 gene; seq.var. = ?

DNA(specification)—
FBXO32 gene;
sequence variation
name of component: F-box only protein 32
[NPU44664](#)
DNA(spec.)—FBXO32 gene; seq.var. = ?

DNA(specification)—
FBXO33 gene;
sequence variation
name of component: F-box only protein 33
[NPU47254](#)
DNA(spec.)—FBXO33 gene; seq.var. = ?

DNA(specification)—
FBXO34 gene;
sequence variation
name of component: F-box only protein 34
[NPU47482](#)
DNA(spec.)—FBXO34 gene; seq.var. = ?

DNA(specification)—
FBXO35 gene;
sequence variation
name of component: F-box only protein 35
[NPU47738](#)
DNA(spec.)—FBXO35 gene; seq.var. = ?

DNA(specification)—
FBXO4 gene;
sequence variation
name of component: F-box only protein 4
[NPU42208](#)
DNA(spec.)—FBXO4 gene; seq.var. = ?

DNA(specification)—
FBXO5 gene;
sequence variation
name of component: F-box only protein 5
[NPU42209](#)
DNA(spec.)—FBXO5 gene; seq.var. = ?

DNA(specification)—
FBXO6 gene;
sequence variation
name of component: F-box only protein 6
[NPU42210](#)
DNA(spec.)—FBXO6 gene; seq.var. = ?

DNA(specification)—
FBXO7 gene;
sequence variation
name of component: F-box only protein 7
[NPU42211](#)
DNA(spec.)—FBXO7 gene; seq.var. = ?

DNA(specification)—
FBXO8 gene;
sequence variation
name of component: F-box only protein 8
[NPU42212](#)
DNA(spec.)—FBXO8 gene; seq.var. = ?

DNA(specification)—
FBXO9 gene;
sequence variation
name of component: F-box only protein 9
[NPU42213](#)
DNA(spec.)—FBXO9 gene; seq.var. = ?

DNA(specification)—**FBXW1B gene;****sequence variation**

name of component: F-box and WD-40 domain protein 1B

[NPU42232](#)

DNA(spec.)—FBXW1B gene; seq.var. = ?

DNA(specification)—**FBXW1BP1 gene;****sequence variation**

name of component: F-box and WD-40 domain protein 1B pseudogene 1

[NPU30929](#)

DNA(spec.)—FBXW1BP1 gene; seq.var. = ?

DNA(specification)—**FBXW2 gene;****sequence variation**

name of component: F-box and WD-40 domain protein 2

[NPU42233](#)

DNA(spec.)—FBXW2 gene; seq.var. = ?

DNA(specification)—**FBXW3 gene;****sequence variation**

name of component: F-box and WD-40 domain protein 3

[NPU42234](#)

DNA(spec.)—FBXW3 gene; seq.var. = ?

DNA(specification)—**FBXW7 gene;****sequence variation**

name of component: F-box and WD-40 domain protein 7 (archipelago homolog, Drosophila)

[NPU44653](#)

DNA(spec.)—FBXW7 gene; seq.var. = ?

DNA(specification)—**FCAR gene;****sequence variation**

name of component: Fc fragment of IgA, receptor for

[NPU32861](#)

DNA(spec.)—FCAR gene; seq.var. = ?

DNA(specification)—**FCER1A gene;****sequence variation**

name of component: Fc fragment of IgE, high affinity I, receptor for; alpha polypeptide

[NPU32862](#)

DNA(spec.)—FCER1A gene; seq.var. = ?

DNA(specification)—**FCER1G gene;****sequence variation**

name of component: Fc fragment of IgE, high affinity I, receptor for; gamma polypeptide

[NPU32863](#)

DNA(spec.)—FCER1G gene; seq.var. = ?

DNA(specification)—**FCER2 gene;****sequence variation**

name of component: Fc fragment of IgE, low affinity II, receptor for (CD23A)

[NPU32864](#)

DNA(spec.)—FCER2 gene; seq.var. = ?

DNA(specification)—**FCGBP gene;****sequence variation**

name of component: Fc fragment of IgG binding protein

[NPU42201](#)

DNA(spec.)—FCGBP gene; seq.var. = ?

DNA(specification)—**FCGR1A gene;****sequence variation**

name of component: Fc fragment of IgG, high affinity Ia, receptor for (CD64)

[NPU32865](#)

DNA(spec.)—FCGR1A gene; seq.var. = ?

DNA(specification)—**FCGR1B gene;****sequence variation**

name of component: Fc fragment of IgG, high affinity Ib, receptor for (CD64)

[NPU32866](#)

DNA(spec.)—FCGR1B gene; seq.var. = ?

DNA(specification)—**FCGR1C gene;****sequence variation**

name of component: Fc fragment of IgG, high affinity Ic, receptor for (CD64)

[NPU32867](#)

DNA(spec.)—FCGR1C gene; seq.var. = ?

DNA(specification)—**FCGR2A gene;****sequence variation**

name of component: Fc fragment of IgG, low affinity IIa, receptor for (CD32)

[NPU32868](#)

DNA(spec.)—FCGR2A gene; seq.var. = ?

DNA(specification)—**FCGR2B gene;****sequence variation**

name of component: Fc fragment of IgG, low affinity IIb, receptor for (CD32)

[NPU32869](#)

DNA(spec.)—FCGR2B gene; seq.var. = ?

DNA(specification)—**FCGR3A gene;****sequence variation**

name of component: Fc fragment of IgG, low affinity IIIa, receptor for (CD16)

[NPU32870](#)

DNA(spec.)—FCGR3A gene; seq.var. = ?

DNA(specification)—**FCGR3B gene;****sequence variation**

name of component: Fc fragment of IgG, low affinity IIIb, receptor for (CD16)

[NPU32871](#)

DNA(spec.)—FCGR3B gene; seq.var. = ?

DNA(specification)—**FCGRT gene;****sequence variation**

name of component: Fc fragment of IgG, receptor, transporter, alpha

[NPU32872](#)

DNA(spec.)—FCGRT gene; seq.var. = ?

DNA(specification)—**FCMD gene;****sequence variation**

name of component: Fukuyama type congenital muscular dystrophy (fukutin)

[NPU32873](#)

DNA(spec.)—FCMD gene; seq.var. = ?

DNA(specification)—**FCN1 gene;****sequence variation**

name of component: ficolin (collagen/fibrinogen domain containing) 1

[NPU32874](#)

DNA(spec.)—FCN1 gene; seq.var. = ?

DNA(specification)—**FCN2 gene;****sequence variation**

name of component: ficolin (collagen/fibrinogen domain containing lectin) 2 (hucolin)

[NPU32875](#)

DNA(spec.)—FCN2 gene; seq.var. = ?

DNA(specification)—**FCN3 gene;****sequence variation**

name of component: ficolin (collagen/fibrinogen domain containing) 3 (Hakata antigen)

[NPU32876](#)

DNA(spec.)—FCN3 gene; seq.var. = ?

DNA(specification)—**FCP1 gene;****sequence variation**

name of component: F-cell production 1

[NPU32877](#)

DNA(spec.)—FCP1 gene; seq.var. = ?

DNA(specification)—**FDFT1 gene;****sequence variation**

name of component: farnesyl-diphosphate farnesyl-transferase 1

[NPU32878](#)

DNA(spec.)—FDFT1 gene; seq.var. = ?

DNA(specification)—**FDH gene;****sequence variation**

name of component: formaldehyde dehydrogenase

[NPU32879](#)

DNA(spec.)—FDH gene; seq.var. = ?

DNA(specification)—**FDPS gene;****sequence variation**

name of component: farnesyl diphosphate synthase (farnesyl pyrophosphate synthetase, dimethylallyl-transtransferase, geranyltranstransferase)

[NPU32880](#)

DNA(spec.)—FDPS gene; seq.var. = ?

DNA(specification)—**FDPSL1 gene;****sequence variation**

name of component: farnesyl diphosphate synthase-like 1 (farnesyl pyrophosphate synthetase-like 1, cholesterol-repressible protein 39A)

[NPU32881](#)

DNA(spec.)—FDPSL1 gene; seq.var. = ?

DNA(specification)—**FDPSL2 gene;****sequence variation**

name of component: farnesyl diphosphate synthase-like 2 (farnesyl pyrophosphate synthetase-like 2)

[NPU32882](#)

DNA(spec.)—FDPSL2 gene; seq.var. = ?

DNA(specification)—**FDPSL3 gene;****sequence variation**

name of component: farnesyl diphosphate synthase-like 3 (farnesyl pyrophosphate synthetase-like 3)

[NPU32883](#)

DNA(spec.)—FDPSL3 gene; seq.var. = ?

DNA(specification)—**FDPSL4 gene;****sequence variation**

name of component: farnesyl diphosphate synthase-like 4 (farnesyl pyrophosphate synthetase-like 4)

[NPU32884](#)

DNA(spec.)—FDPSL4 gene; seq.var. = ?

DNA(specification)—**FDPSL5 gene;****sequence variation**

name of component: farnesyl diphosphate synthase-like 5 (farnesyl pyrophosphate synthetase-like 5)

[NPU32885](#)

DNA(spec.)—FDPSL5 gene; seq.var. = ?

DNA(specification)—**FDPSP gene;****sequence variation**

name of component: farnesyl diphosphate synthase pseudogene

[NPU32886](#)

DNA(spec.)—FDPSP gene; seq.var. = ?

DNA(specification)—**FDX1 gene;****sequence variation**

name of component: ferredoxin 1

[NPU32887](#)

DNA(spec.)—FDX1 gene; seq.var. = ?

DNA(specification)—**FDX2 gene;****sequence variation**

name of component: ferredoxin 2

[NPU32888](#)

DNA(spec.)—FDX2 gene; seq.var. = ?

DNA(specification)—**FDXP1 gene;****sequence variation**

name of component: ferredoxin pseudogene 1

[NPU32889](#)

DNA(spec.)—FDXP1 gene; seq.var. = ?

DNA(specification)—**FDXP2 gene;****sequence variation**

name of component: ferredoxin pseudogene 2

[NPU32890](#)

DNA(spec.)—FDXP2 gene; seq.var. = ?

DNA(specification)—**FDXR gene;****sequence variation**

name of component: ferredoxin reductase

[NPU32891](#)

DNA(spec.)—FDXR gene; seq.var. = ?

DNA(specification)—**FEB1 gene;****sequence variation**

name of component: febrile convulsions 1

[NPU32892](#)

DNA(spec.)—FEB1 gene; seq.var. = ?

DNA(specification)—**FEB2 gene;****sequence variation**

name of component: febrile convulsions 2

[NPU32893](#)

DNA(spec.)—FEB2 gene; seq.var. = ?

DNA(specification)—**FEB3 gene;****sequence variation**

name of component: febrile convulsions 3

[NPU32894](#)

DNA(spec.)—FEB3 gene; seq.var. = ?

DNA(specification)—**FEB4 gene;****sequence variation**

name of component: febrile convulsions 4

[NPU32895](#)

DNA(spec.)—FEB4 gene; seq.var. = ?

DNA(specification)—**FECH gene;****sequence variation**

name of component: ferrochelatase (protoporphyrin)

[NPU32896](#)

DNA(spec.)—FECH gene; seq.var. = ?

DNA(specification)—**FECHP gene;****sequence variation**

name of component: ferrochelatase pseudogene

[NPU32897](#)

DNA(spec.)—FECHP gene; seq.var. = ?

DNA(specification)—**FEM1A gene;****sequence variation**

name of component: fem-1 homolog a (C.elegans)

[NPU44781](#)

DNA(spec.)—FEM1A gene; seq.var. = ?

DNA(specification)—**FEM1B gene;****sequence variation**

name of component: fem-1 homolog b (C. elegans)

[NPU32898](#)

DNA(spec.)—FEM1B gene; seq.var. = ?

DNA(specification)—**FEM1C gene;****sequence variation**

name of component: fem-1 homolog c (C.elegans)

[NPU44780](#)

DNA(spec.)—FEM1C gene; seq.var. = ?

DNA(specification)—**FEN1 gene;****sequence variation**

name of component: flap structure-specific endonuclease 1

[NPU32899](#)

DNA(spec.)—FEN1 gene; seq.var. = ?

DNA(specification)—**FENL1 gene;****sequence variation**

name of component: flap endonuclease-like 1

[NPU32900](#)

DNA(spec.)—FENL1 gene; seq.var. = ?

DNA(specification)—**FEOM1 gene;****sequence variation**

name of component: fibrosis of the extraocular muscles, congenital, 1

[NPU32901](#)

DNA(spec.)—FEOM1 gene; seq.var. = ?

DNA(specification)—**FEOM2 gene;****sequence variation**

name of component: fibrosis of extraocular muscles, congenital, 2, autosomal recessive

[NPU32902](#)

DNA(spec.)—FEOM2 gene; seq.var. = ?

DNA(specification)—**FEOM3 gene;****sequence variation**

name of component: fibrosis of extraocular muscles, congenital, 3

[NPU32903](#)

DNA(spec.)—FEOM3 gene; seq.var. = ?

DNA(specification)—**FER gene;****sequence variation**

name of component: fer (fps/fes related) tyrosine kinase (phosphoprotein NCP94)

[NPU32904](#)

DNA(spec.)—FER gene; seq.var. = ?

DNA(specification)—**FER1L3 gene;****sequence variation**

name of component: fer-1-like 3, myoferlin (C. elegans)

[NPU32905](#)

DNA(spec.)—FER1L3 gene; seq.var. = ?

DNA(specification)—**FER1L4 gene;****sequence variation**

name of component: fer-1-like 4 (C. elegans)

[NPU43908](#)

DNA(spec.)—FER1L4 gene; seq.var. = ?

DNA(specification)—**FERD3L gene;****sequence variation**

name of component: Fer3-like (Drosophila)

[NPU44626](#)

DNA(spec.)—FERD3L gene; seq.var. = ?

DNA(specification)—**FES gene;****sequence variation**

name of component: feline sarcoma oncogene

[NPU32906](#)

DNA(spec.)—FES gene; seq.var. = ?

DNA(specification)—**FETUB gene;****sequence variation**

name of component: fetuin B

[NPU32907](#)

DNA(spec.)—FETUB gene; seq.var. = ?

DNA(specification)—**FEZ1 gene;****sequence variation**

name of component: fasciculation and elongation protein zeta 1 (zygin I)

[NPU32908](#)

DNA(spec.)—FEZ1 gene; seq.var. = ?

DNA(specification)—**FEZ2 gene;****sequence variation**

name of component: fasciculation and elongation protein zeta 2 (zygin II)

[NPU32909](#)

DNA(spec.)—FEZ2 gene; seq.var. = ?

DNA(specification)—**FGA gene;****sequence variation**

name of component: fibrinogen, A alpha polypeptide

[NPU32910](#)

DNA(spec.)—FGA gene; seq.var. = ?

DNA(specification)—**FGB gene;****sequence variation**

name of component: fibrinogen, B beta polypeptide

[NPU32911](#)

DNA(spec.)—FGB gene; seq.var. = ?

DNA(specification)—**FGD1 gene;****sequence variation**

name of component: faciogenital dysplasia (Aarskog-Scott syndrome)

[NPU32912](#)

DNA(spec.)—FGD1 gene; seq.var. = ?

DNA(specification)—**FGD2 gene;****sequence variation**

name of component: FGD1 family, member 2

[NPU32913](#)

DNA(spec.)—FGD2 gene; seq.var. = ?

DNA(specification)—**FGD3 gene;****sequence variation**

name of component: FGD1 family, member 3

[NPU44092](#)

DNA(spec.)—FGD3 gene; seq.var. = ?

DNA(specification)—**FGF1 gene;****sequence variation**

name of component: fibroblast growth factor 1 (acidic)

[NPU32914](#)

DNA(spec.)—FGF1 gene; seq.var. = ?

DNA(specification)—**FGF10 gene;****sequence variation**

name of component: fibroblast growth factor 10

[NPU32915](#)

DNA(spec.)—FGF10 gene; seq.var. = ?

DNA(specification)—**FGF11 gene;****sequence variation**

name of component: fibroblast growth factor 11

[NPU32916](#)

DNA(spec.)—FGF11 gene; seq.var. = ?

DNA(specification)—**FGF12 gene;****sequence variation**

name of component: fibroblast growth factor 12

[NPU32917](#)

DNA(spec.)—FGF12 gene; seq.var. = ?

DNA(specification)—**FGF13 gene;****sequence variation**

name of component: fibroblast growth factor 13

[NPU32918](#)

DNA(spec.)—FGF13 gene; seq.var. = ?

DNA(specification)—**FGF14 gene;****sequence variation**

name of component: fibroblast growth factor 14

[NPU32919](#)

DNA(spec.)—FGF14 gene; seq.var. = ?

DNA(specification)—**FGF16 gene;****sequence variation**

name of component: fibroblast growth factor 16

[NPU32920](#)

DNA(spec.)—FGF16 gene; seq.var. = ?

DNA(specification)—**FGF17 gene;****sequence variation**

name of component: fibroblast growth factor 17

[NPU32921](#)

DNA(spec.)—FGF17 gene; seq.var. = ?

DNA(specification)—**FGF18 gene;****sequence variation**

name of component: fibroblast growth factor 18

[NPU32922](#)

DNA(spec.)—FGF18 gene; seq.var. = ?

DNA(specification)—**FGF19 gene;****sequence variation**

name of component: fibroblast growth factor 19

[NPU32923](#)

DNA(spec.)—FGF19 gene; seq.var. = ?

DNA(specification)—**FGF2 gene;****sequence variation**

name of component: fibroblast growth factor 2 (basic)

[NPU32924](#)

DNA(spec.)—FGF2 gene; seq.var. = ?

DNA(specification)—**FGF20 gene;****sequence variation**

name of component: fibroblast growth factor 20

[NPU32925](#)

DNA(spec.)—FGF20 gene; seq.var. = ?

DNA(specification)—**FGF21 gene;****sequence variation**

name of component: fibroblast growth factor 21

[NPU32926](#)

DNA(spec.)—FGF21 gene; seq.var. = ?

DNA(specification)—**FGF22 gene;****sequence variation**

name of component: fibroblast growth factor 22

[NPU32927](#)

DNA(spec.)—FGF22 gene; seq.var. = ?

DNA(specification)—**FGF23 gene;****sequence variation**

name of component: fibroblast growth factor 23

[NPU32928](#)

DNA(spec.)—FGF23 gene; seq.var. = ?

DNA(specification)—**FGF3 gene;****sequence variation**name of component: fibroblast growth factor 3
(murine mammary tumor virus integration site (v-int-2) oncogene homolog)[NPU32929](#)

DNA(spec.)—FGF3 gene; seq.var. = ?

DNA(specification)—**FGF4 gene;****sequence variation**name of component: fibroblast growth factor 4
(heparin secretory transforming protein 1, Kaposi sarcoma oncogene)[NPU32930](#)

DNA(spec.)—FGF4 gene; seq.var. = ?

DNA(specification)—**FGF5 gene;****sequence variation**

name of component: fibroblast growth factor 5

[NPU32931](#)

DNA(spec.)—FGF5 gene; seq.var. = ?

DNA(specification)—**FGF6 gene;****sequence variation**

name of component: fibroblast growth factor 6

[NPU32932](#)

DNA(spec.)—FGF6 gene; seq.var. = ?

DNA(specification)—**FGF7 gene;****sequence variation**

name of component: fibroblast growth factor 7 (keratinocyte growth factor)

[NPU32933](#)

DNA(spec.)—FGF7 gene; seq.var. = ?

DNA(specification)—**FGF8 gene;****sequence variation**name of component: fibroblast growth factor 8
(androgen-induced)[NPU32934](#)

DNA(spec.)—FGF8 gene; seq.var. = ?

DNA(specification)—**FGF9 gene;****sequence variation**name of component: fibroblast growth factor 9
(glia-activating factor)[NPU32935](#)

DNA(spec.)—FGF9 gene; seq.var. = ?

DNA(specification)—**FGFR1 gene;****sequence variation**

name of component: fibroblast growth factor receptor 1 (fms-related tyrosine kinase 2, Pfeiffer syndrome)

[NPU19075](#)

DNA(spec.)—FGFR1 gene; seq.var. = ?

DNA(specification)—**FGFR1 gene(MIM136350.0001);****entitic number(0 1 2)**[NPU19282](#)

DNA(spec.)—FGFR1 gene(MIM136350.0001);

entitic num.(0 1 2) = ?

DNA(specification)—**FGFR1OP gene;****sequence variation**

name of component: FGFR1 oncogene partner

[NPU44809](#)

DNA(spec.)—FGFR1OP gene; seq.var. = ?

DNA(specification)—**FGFR2 gene;****sequence variation**

name of component: fibroblast growth factor receptor 2 (bacteria-expressed kinase, keratinocyte growth factor receptor, craniofacial dysostosis 1, Crouzon syndrome, Pfeiffer syndrome, Jackson-Weiss syndrome)

[NPU19076](#)

DNA(spec.)—FGFR2 gene; seq.var. = ?

- DNA(specification)—**
FGFR2 gene(MIM176943.0010);
entitic number(0 1 2)
NPU19284
DNA(spec.)—FGFR2 gene(MIM176943.0010);
entitic num.(0 1 2) = ?
- DNA(specification)—**
FGFR2 gene(MIM176943.0011);
entitic number(0 1 2)
NPU19285
DNA(spec.)—FGFR2 gene(MIM176943.0011);
entitic num.(0 1 2) = ?
- DNA(specification)—**
FGFR2 gene(MIM176943.0012);
entitic number(0 1 2)
NPU19283
DNA(spec.)—FGFR2 gene(MIM176943.0012);
entitic num.(0 1 2) = ?
- DNA(specification)—**
FGFR3 gene;
sequence variation
name of component: fibroblast growth factor receptor 3 (achondroplasia, thanatophoric dwarfism)
[NPU19077](#)
DNA(spec.)—FGFR3 gene; seq.var. = ?
- DNA(specification)—**
FGFR3 gene(MIM134934.0001);
entitic number(0 1 2)
NPU19286
DNA(spec.)—FGFR3 gene(MIM134934.0001);
entitic num.(0 1 2) = ?
- DNA(specification)—**
FGFR3 gene(MIM134934.0010);
entitic number(0 1 2)
NPU19287
DNA(spec.)—FGFR3 gene(MIM134934.0010);
entitic num.(0 1 2) = ?
- DNA(specification)—**
FGFR4 gene;
sequence variation
name of component: fibroblast growth factor receptor 4
[NPU32936](#)
DNA(spec.)—FGFR4 gene; seq.var. = ?
- DNA(specification)—**
FGFR6 gene;
sequence variation
name of component: fibroblast growth factor receptor 6
[NPU32937](#)
DNA(spec.)—FGFR6 gene; seq.var. = ?
- DNA(specification)—**
FGFRL1 gene;
sequence variation
name of component: fibroblast growth factor receptor-like 1
[NPU32938](#)
DNA(spec.)—FGFRL1 gene; seq.var. = ?
- DNA(specification)—**
FGG gene;
sequence variation
name of component: fibrinogen, gamma polypeptide
[NPU32939](#)
DNA(spec.)—FGG gene; seq.var. = ?
- DNA(specification)—**
FGL1 gene;
sequence variation
name of component: fibrinogen-like 1
[NPU32940](#)
DNA(spec.)—FGL1 gene; seq.var. = ?
- DNA(specification)—**
FGL2 gene;
sequence variation
name of component: fibrinogen-like 2
[NPU32941](#)
DNA(spec.)—FGL2 gene; seq.var. = ?
- DNA(specification)—**
FGR gene;
sequence variation
name of component: Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog
[NPU32942](#)
DNA(spec.)—FGR gene; seq.var. = ?
- DNA(specification)—**
FGS1 gene;
sequence variation
name of component: FG syndrome 1
[NPU32943](#)
DNA(spec.)—FGS1 gene; seq.var. = ?
- DNA(specification)—**
FGS2 gene;
sequence variation
name of component: FG syndrome 2
[NPU32944](#)
DNA(spec.)—FGS2 gene; seq.var. = ?
- DNA(specification)—**
FGS3 gene;
sequence variation
name of component: FG syndrome 3
[NPU43770](#)
DNA(spec.)—FGS3 gene; seq.var. = ?

DNA(specification)—**FH gene;****sequence variation**

name of component: fumarate hydratase

[NPU32945](#)

DNA(spec.)—FH gene; seq.var. = ?

DNA(specification)—**FHIT gene;****sequence variation**

name of component: fragile histidine triad gene

[NPU32946](#)

DNA(spec.)—FHIT gene; seq.var. = ?

DNA(specification)—**FHL1 gene;****sequence variation**

name of component: four and a half LIM domains 1

[NPU32947](#)

DNA(spec.)—FHL1 gene; seq.var. = ?

DNA(specification)—**FHL2 gene;****sequence variation**

name of component: four and a half LIM domains 2

[NPU32948](#)

DNA(spec.)—FHL2 gene; seq.var. = ?

DNA(specification)—**FHL3 gene;****sequence variation**

name of component: four and a half LIM domains 3

[NPU32949](#)

DNA(spec.)—FHL3 gene; seq.var. = ?

DNA(specification)—**FHOD1 gene;****sequence variation**

name of component: formin homology 2 domain containing 1

[NPU46166](#)

DNA(spec.)—FHOD1 gene; seq.var. = ?

DNA(specification)—**FHOD2 gene;****sequence variation**

name of component: formin homology 2 domain containing 2

[NPU46371](#)

DNA(spec.)—FHOD2 gene; seq.var. = ?

DNA(specification)—**FIBP gene;****sequence variation**

name of component: fibroblast growth factor (acidic) intracellular binding protein

[NPU32950](#)

DNA(spec.)—FIBP gene; seq.var. = ?

DNA(specification)—**FIGF gene;****sequence variation**

name of component: c-fos induced growth factor (vascular endothelial growth factor D)

[NPU32952](#)

DNA(spec.)—FIGF gene; seq.var. = ?

DNA(specification)—**FIGN gene;****sequence variation**

name of component: fidgetin

[NPU42080](#)

DNA(spec.)—FIGN gene; seq.var. = ?

DNA(specification)—**FIGNL1 gene;****sequence variation**

name of component: fidgetin-like 1

[NPU42081](#)

DNA(spec.)—FIGNL1 gene; seq.var. = ?

DNA(specification)—**FILIP1 gene;****sequence variation**

name of component: filamin A interacting protein 1

[NPU47829](#)

DNA(spec.)—FILIP1 gene; seq.var. = ?

DNA(specification)—**FIM1 gene;****sequence variation**

name of component: Friend-murine leukemia virus integration site 1 homolog

[NPU32953](#)

DNA(spec.)—FIM1 gene; seq.var. = ?

DNA(specification)—**FIM3 gene;****sequence variation**

name of component: Friend-murine leukemia virus integration site 3 homolog

[NPU32954](#)

DNA(spec.)—FIM3 gene; seq.var. = ?

DNA(specification)—**FIP1L1 gene;****sequence variation**name of component: FIP1 like 1 (*S. cerevisiae*)[NPU46877](#)

DNA(spec.)—FIP1L1 gene; seq.var. = ?

DNA(specification)—**FJX1 gene;****sequence variation**

name of component: four jointed box 1 (Drosophila)

[NPU44891](#)

DNA(spec.)—FJX1 gene; seq.var. = ?

DNA(specification)—**FKBP10 gene;****sequence variation**

name of component: FK506 binding protein 10, 65 kDa

[NPU46338](#)

DNA(spec.)—FKBP10 gene; seq.var. = ?

DNA(specification)—**FKBP11 gene;****sequence variation**

name of component: FK506 binding protein 11, 19 kDa

[NPU46579](#)

DNA(spec.)—FKBP11 gene; seq.var. = ?

DNA(specification)—**FKBP14 gene;****sequence variation**

name of component: FK506 binding protein 14, 22 kDa

[NPU46580](#)

DNA(spec.)—FKBP14 gene; seq.var. = ?

DNA(specification)—**FKBP1A gene;****sequence variation**

name of component: FK506 binding protein 1A, 12 kDa

[NPU32955](#)

DNA(spec.)—FKBP1A gene; seq.var. = ?

DNA(specification)—**FKBP1B gene;****sequence variation**

name of component: FK506 binding protein 1B, 12.6 kDa

[NPU32956](#)

DNA(spec.)—FKBP1B gene; seq.var. = ?

DNA(specification)—**FKBP1P1 gene;****sequence variation**

name of component: FK506 binding protein 1 pseudogene 1

[NPU32957](#)

DNA(spec.)—FKBP1P1 gene; seq.var. = ?

DNA(specification)—**FKBP1P2 gene;****sequence variation**

name of component: FK506 binding protein 1 pseudogene 2

[NPU32958](#)

DNA(spec.)—FKBP1P2 gene; seq.var. = ?

DNA(specification)—**FKBP1P3 gene;****sequence variation**

name of component: FK506 binding protein 1 pseudogene 3

[NPU32959](#)

DNA(spec.)—FKBP1P3 gene; seq.var. = ?

DNA(specification)—**FKBP1P4 gene;****sequence variation**

name of component: FK506 binding protein 1 pseudogene 4

[NPU32960](#)

DNA(spec.)—FKBP1P4 gene; seq.var. = ?

DNA(specification)—**FKBP2 gene;****sequence variation**

name of component: FK506 binding protein 2, 13 kDa

[NPU32961](#)

DNA(spec.)—FKBP2 gene; seq.var. = ?

DNA(specification)—**FKBP3 gene;****sequence variation**

name of component: FK506 binding protein 3, 25 kDa

[NPU32962](#)

DNA(spec.)—FKBP3 gene; seq.var. = ?

DNA(specification)—**FKBP4 gene;****sequence variation**

name of component: FK506 binding protein 4, 59 kDa

[NPU32963](#)

DNA(spec.)—FKBP4 gene; seq.var. = ?

DNA(specification)—**FKBP5 gene;****sequence variation**

name of component: FK506 binding protein 5

[NPU32964](#)

DNA(spec.)—FKBP5 gene; seq.var. = ?

DNA(specification)—**FKBP6 gene;****sequence variation**

name of component: FK506 binding protein 6, 36 kDa

[NPU32965](#)

DNA(spec.)—FKBP6 gene; seq.var. = ?

DNA(specification)—**FKBP7 gene;****sequence variation**

name of component: FK506 binding protein 7

[NPU32966](#)

DNA(spec.)—FKBP7 gene; seq.var. = ?

DNA(specification)—**FKBP8 gene;****sequence variation**

name of component: FK506 binding protein 8, 38 kDa

[NPU32967](#)

DNA(spec.)—FKBP8 gene; seq.var. = ?

DNA(specification)—**FKBP9 gene;****sequence variation**

name of component: FK506 binding protein 9, 63 kDa

[NPU32968](#)

DNA(spec.)—FKBP9 gene; seq.var. = ?

DNA(specification)—**FKBPL gene;****sequence variation**

name of component: FK506 binding protein like

[NPU42414](#)

DNA(spec.)—FKBPL gene; seq.var. = ?

DNA(specification)—**FKHL18 gene;****sequence variation**

name of component: forkhead-like 18 (Drosophila)

[NPU32969](#)

DNA(spec.)—FKHL18 gene; seq.var. = ?

DNA(specification)—**FLG gene;****sequence variation**

name of component: filaggrin

[NPU32970](#)

DNA(spec.)—FLG gene; seq.var. = ?

DNA(specification)—**FLI1 gene;****sequence variation**

name of component: Friend leukemia virus integration 1

[NPU19078](#)

DNA(spec.)—FLI1 gene; seq.var. = ?

DNA(specification)—**FLII gene;****sequence variation**

name of component: flightless I homolog (Drosophila)

[NPU32971](#)

DNA(spec.)—FLII gene; seq.var. = ?

DNA(specification)—**FLNA gene;****sequence variation**

name of component: filamin A, alpha (actin binding protein 280)

[NPU32972](#)

DNA(spec.)—FLNA gene; seq.var. = ?

DNA(specification)—**FLNB gene;****sequence variation**

name of component: filamin B, beta (actin binding protein 278)

[NPU32973](#)

DNA(spec.)—FLNB gene; seq.var. = ?

DNA(specification)—**FLNC gene;****sequence variation**

name of component: filamin C, gamma (actin binding protein 280)

[NPU32974](#)

DNA(spec.)—FLNC gene; seq.var. = ?

DNA(specification)—**FLOT1 gene;****sequence variation**

name of component: flotillin 1

[NPU32975](#)

DNA(spec.)—FLOT1 gene; seq.var. = ?

DNA(specification)—**FLOT2 gene;****sequence variation**

name of component: flotillin 2

[NPU32976](#)

DNA(spec.)—FLOT2 gene; seq.var. = ?

DNA(specification)—**FLRT1 gene;****sequence variation**

name of component: fibronectin leucine rich transmembrane protein 1

[NPU32977](#)

DNA(spec.)—FLRT1 gene; seq.var. = ?

DNA(specification)—**FLRT2 gene;****sequence variation**

name of component: fibronectin leucine rich transmembrane protein 2

[NPU32978](#)

DNA(spec.)—FLRT2 gene; seq.var. = ?

DNA(specification)—**FLRT3 gene;****sequence variation**

name of component: fibronectin leucine rich transmembrane protein 3

[NPU32979](#)

DNA(spec.)—FLRT3 gene; seq.var. = ?

DNA(specification)—**FLT1 gene;****sequence variation**

name of component: fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor)

[NPU32980](#)

DNA(spec.)—FLT1 gene; seq.var. = ?

DNA(specification)—**FLT3 gene;****sequence variation**

name of component: fms-related tyrosine kinase 3

[NPU32981](#)

DNA(spec.)—FLT3 gene; seq.var. = ?

DNA(specification)—**FLT3LG gene;****sequence variation**

name of component: fms-related tyrosine kinase 3 ligand

[NPU32982](#)

DNA(spec.)—FLT3LG gene; seq.var. = ?

DNA(specification)—**FLT4 gene;****sequence variation**

name of component: fms-related tyrosine kinase 4

[NPU32983](#)

DNA(spec.)—FLT4 gene; seq.var. = ?

DNA(specification)—**FMN gene;****sequence variation**

name of component: formin (limb deformity)

[NPU32984](#)

DNA(spec.)—FMN gene; seq.var. = ?

DNA(specification)—**FMN2 gene;****sequence variation**

name of component: formin 2

[NPU42493](#)

DNA(spec.)—FMN2 gene; seq.var. = ?

DNA(specification)—**FMNL gene;****sequence variation**

name of component: formin-like

[NPU30988](#)

DNA(spec.)—FMNL gene; seq.var. = ?

DNA(specification)—**FMO1 gene;****sequence variation**

name of component: flavin containing monooxygenase 1

[NPU32985](#)

DNA(spec.)—FMO1 gene; seq.var. = ?

DNA(specification)—**FMO2 gene;****sequence variation**

name of component: flavin containing monooxygenase 2

[NPU32986](#)

DNA(spec.)—FMO2 gene; seq.var. = ?

DNA(specification)—**FMO3 gene;****sequence variation**

name of component: flavin containing monooxygenase 3

[NPU32987](#)

DNA(spec.)—FMO3 gene; seq.var. = ?

DNA(specification)—**FMO4 gene;****sequence variation**

name of component: flavin containing monooxygenase 4

[NPU32988](#)

DNA(spec.)—FMO4 gene; seq.var. = ?

DNA(specification)—**FMO5 gene;****sequence variation**

name of component: flavin containing monooxygenase 5

[NPU32989](#)

DNA(spec.)—FMO5 gene; seq.var. = ?

DNA(specification)—**FMOD gene;****sequence variation**

name of component: fibromodulin

[NPU32990](#)

DNA(spec.)—FMOD gene; seq.var. = ?

DNA(specification)—**FMR1 gene;****sequence variation**

name of component: fragile X mental retardation 1

[NPU19079](#)

DNA(spec.)—FMR1 gene; seq.var. = ?

DNA(specification)—**FMR1 gene(MIM309550.0004);****entitic number(0 1 2)****NPU19288**

DNA(spec.)—FMR1 gene(MIM309550.0004);

entitic num.(0 1 2) = ?

DNA(specification)—**FMR2 gene;****sequence variation**

name of component: fragile X mental retardation 2

[NPU19080](#)

DNA(spec.)—FMR2 gene; seq.var. = ?

DNA(specification)—**FMR3 gene;****sequence variation**

name of component: fragile X mental retardation associated 3

[NPU32991](#)

DNA(spec.)—FMR3 gene; seq.var. = ?

DNA(specification)—**FN1 gene;****sequence variation**

name of component: fibronectin 1

[NPU32992](#)

DNA(spec.)—FN1 gene; seq.var. = ?

DNA(specification)—**FNBP1 gene;****sequence variation**

name of component: formin binding protein 1

[NPU44836](#)

DNA(spec.)—FNBP1 gene; seq.var. = ?

DNA(specification)—**FNBP2 gene;****sequence variation**

name of component: formin binding protein 2

[NPU47180](#)

DNA(spec.)—FNBP2 gene; seq.var. = ?

DNA(specification)—**FNBP3 gene;****sequence variation**

name of component: formin binding protein 3

[NPU44458](#)

DNA(spec.)—FNBP3 gene; seq.var. = ?

DNA(specification)—**FNBP4 gene;****sequence variation**

name of component: formin binding protein 4

[NPU47181](#)

DNA(spec.)—FNBP4 gene; seq.var. = ?

DNA(specification)—**FND gene;****sequence variation**

name of component: frontonasal dysplasia

[NPU32993](#)

DNA(spec.)—FND gene; seq.var. = ?

DNA(specification)—**FNDC1 gene;****sequence variation**

name of component: fibronectin type III domain containing 1

[NPU47901](#)

DNA(spec.)—FNDC1 gene; seq.var. = ?

DNA(specification)—**FNL1 gene;****sequence variation**

name of component: fibronectin-like 1

[NPU32994](#)

DNA(spec.)—FNL1 gene; seq.var. = ?

DNA(specification)—**FNRBL gene;****sequence variation**

name of component: fibronectin receptor, beta polypeptide-like

[NPU32995](#)

DNA(spec.)—FNRBL gene; seq.var. = ?

DNA(specification)—**FNTA gene;****sequence variation**

name of component: farnesyltransferase, CAAX box, alpha

[NPU32996](#)

DNA(spec.)—FNTA gene; seq.var. = ?

DNA(specification)—**FNTAL1 gene;****sequence variation**

name of component: farnesyltransferase, CAAX box, alpha-like 1

[NPU32997](#)

DNA(spec.)—FNTAL1 gene; seq.var. = ?

DNA(specification)—**FNTAL2 gene;****sequence variation**

name of component: farnesyltransferase, CAAX box, alpha-like 2

[NPU32998](#)

DNA(spec.)—FNTAL2 gene; seq.var. = ?

DNA(specification)—**FNTB gene;****sequence variation**

name of component: farnesyltransferase, CAAX box, beta

[NPU32999](#)

DNA(spec.)—FNTB gene; seq.var. = ?

DNA(specification)—**FNTBL1 gene;****sequence variation**

name of component: farnesyltransferase, CAAX box, beta-like 1

[NPU33000](#)

DNA(spec.)—FNTBL1 gene; seq.var. = ?

DNA(specification)—**FNZ gene;****sequence variation**

name of component: fibronectin, influences presence on cell surface

[NPU33001](#)

DNA(spec.)—FNZ gene; seq.var. = ?

DNA(specification)—**FOLH1 gene;****sequence variation**

name of component: folate hydrolase (prostate-specific membrane antigen) 1

[NPU33002](#)

DNA(spec.)—FOLH1 gene; seq.var. = ?

DNA(specification)—**FOLH2 gene;****sequence variation**

name of component: folate hydrolase 2

[NPU33003](#)

DNA(spec.)—FOLH2 gene; seq.var. = ?

DNA(specification)—**FOLR1 gene;****sequence variation**

name of component: folate receptor 1 (adult)

[NPU33004](#)

DNA(spec.)—FOLR1 gene; seq.var. = ?

DNA(specification)—**FOLR1P gene;****sequence variation**

name of component: folate receptor 1 (adult) pseudogene

[NPU33005](#)

DNA(spec.)—FOLR1P gene; seq.var. = ?

DNA(specification)—**FOLR2 gene;****sequence variation**

name of component: folate receptor 2 (fetal)

[NPU33006](#)

DNA(spec.)—FOLR2 gene; seq.var. = ?

DNA(specification)—**FOLR2L gene;****sequence variation**

name of component: folate receptor 2 (fetal) like

[NPU33007](#)

DNA(spec.)—FOLR2L gene; seq.var. = ?

DNA(specification)—**FOLR3 gene;****sequence variation**

name of component: folate receptor 3 (gamma)

[NPU33008](#)

DNA(spec.)—FOLR3 gene; seq.var. = ?

DNA(specification)—**FOS gene;****sequence variation**

name of component: v-fos FBJ murine osteosarcoma viral oncogene homolog

[NPU33009](#)

DNA(spec.)—FOS gene; seq.var. = ?

DNA(specification)—**FOSB gene;****sequence variation**

name of component: FBJ murine osteosarcoma viral oncogene homolog B

[NPU33010](#)

DNA(spec.)—FOSB gene; seq.var. = ?

DNA(specification)—**FOSL1 gene;****sequence variation**

name of component: FOS-like antigen 1

[NPU42286](#)

DNA(spec.)—FOSL1 gene; seq.var. = ?

DNA(specification)—**FOSL2 gene;****sequence variation**

name of component: FOS-like antigen 2

[NPU33011](#)

DNA(spec.)—FOSL2 gene; seq.var. = ?

DNA(specification)—**FOXA1 gene;****sequence variation**

name of component: forkhead box A1

[NPU34064](#)

DNA(spec.)—FOXA1 gene; seq.var. = ?

DNA(specification)—
FOXA2 gene;
sequence variation
name of component: forkhead box A2
[NPU34065](#)
DNA(spec.)—FOXA2 gene; seq.var. = ?

DNA(specification)—
FOXA3 gene;
sequence variation
name of component: forkhead box A3
[NPU34066](#)
DNA(spec.)—FOXA3 gene; seq.var. = ?

DNA(specification)—
FOXB1 gene;
sequence variation
name of component: forkhead box B1
[NPU33012](#)
DNA(spec.)—FOXB1 gene; seq.var. = ?

DNA(specification)—
FOXC1 gene;
sequence variation
name of component: forkhead box C1
[NPU33013](#)
DNA(spec.)—FOXC1 gene; seq.var. = ?

DNA(specification)—
FOXC2 gene;
sequence variation
name of component: forkhead box C2 (MFH-1,
mesenchyme forkhead 1)
[NPU33014](#)
DNA(spec.)—FOXC2 gene; seq.var. = ?

DNA(specification)—
FOXD1 gene;
sequence variation
name of component: forkhead box D1
[NPU33015](#)
DNA(spec.)—FOXD1 gene; seq.var. = ?

DNA(specification)—
FOXD2 gene;
sequence variation
name of component: forkhead box D2
[NPU33016](#)
DNA(spec.)—FOXD2 gene; seq.var. = ?

DNA(specification)—
FOXD3 gene;
sequence variation
name of component: forkhead box D3
[NPU33017](#)
DNA(spec.)—FOXD3 gene; seq.var. = ?

DNA(specification)—
FOXD4 gene;
sequence variation
name of component: forkhead box D4
[NPU33018](#)
DNA(spec.)—FOXD4 gene; seq.var. = ?

DNA(specification)—
FOXE1 gene;
sequence variation
name of component: forkhead box E1 (thyroid
transcription factor 2)
[NPU33019](#)
DNA(spec.)—FOXE1 gene; seq.var. = ?

DNA(specification)—
FOXE2 gene;
sequence variation
name of component: forkhead box E2
[NPU33020](#)
DNA(spec.)—FOXE2 gene; seq.var. = ?

DNA(specification)—
FOXE3 gene;
sequence variation
name of component: forkhead box E3
[NPU33021](#)
DNA(spec.)—FOXE3 gene; seq.var. = ?

DNA(specification)—
FOXF1 gene;
sequence variation
name of component: forkhead box F1
[NPU33022](#)
DNA(spec.)—FOXF1 gene; seq.var. = ?

DNA(specification)—
FOXF2 gene;
sequence variation
name of component: forkhead box F2
[NPU33023](#)
DNA(spec.)—FOXF2 gene; seq.var. = ?

DNA(specification)—
FOXG1A gene;
sequence variation
name of component: forkhead box G1A
[NPU33024](#)
DNA(spec.)—FOXG1A gene; seq.var. = ?

DNA(specification)—
FOXG1B gene;
sequence variation
name of component: forkhead box G1B
[NPU33025](#)
DNA(spec.)—FOXG1B gene; seq.var. = ?

DNA(specification)—
FOXG1C gene;
sequence variation
name of component: forkhead box G1C
[NPU33026](#)
DNA(spec.)—FOXG1C gene; seq.var. = ?

DNA(specification)—
FOXH1 gene;
sequence variation
name of component: forkhead box H1
[NPU33027](#)
DNA(spec.)—FOXH1 gene; seq.var. = ?

DNA(specification)—
FOXI1 gene;
sequence variation
name of component: forkhead box I1
[NPU33028](#)
DNA(spec.)—FOXI1 gene; seq.var. = ?

DNA(specification)—
FOXJ1 gene;
sequence variation
name of component: forkhead box J1
[NPU33029](#)
DNA(spec.)—FOXJ1 gene; seq.var. = ?

DNA(specification)—
FOXL1 gene;
sequence variation
name of component: forkhead box L1
[NPU33030](#)
DNA(spec.)—FOXL1 gene; seq.var. = ?

DNA(specification)—
FOXL2 gene;
sequence variation
name of component: forkhead box L2
[NPU30884](#)
DNA(spec.)—FOXL2 gene; seq.var. = ?

DNA(specification)—
FOXM1 gene;
sequence variation
name of component: forkhead box M1
[NPU33031](#)
DNA(spec.)—FOXM1 gene; seq.var. = ?

DNA(specification)—
FOXO1A gene;
sequence variation
name of component: forkhead box O1A (rhabdo-
myosarcoma)
[NPU33032](#)
DNA(spec.)—FOXO1A gene; seq.var. = ?

DNA(specification)—
FOXO1B gene;
sequence variation
name of component: forkhead box O1B
[NPU33033](#)
DNA(spec.)—FOXO1B gene; seq.var. = ?

DNA(specification)—
FOXO3A gene;
sequence variation
name of component: forkhead box O3A
[NPU33034](#)
DNA(spec.)—FOXO3A gene; seq.var. = ?

DNA(specification)—
FOXO3B gene;
sequence variation
name of component: forkhead box O3B
[NPU33035](#)
DNA(spec.)—FOXO3B gene; seq.var. = ?

DNA(specification)—
FOXP1 gene;
sequence variation
name of component: forkhead box P1
[NPU33036](#)
DNA(spec.)—FOXP1 gene; seq.var. = ?

DNA(specification)—
FOXP2 gene;
sequence variation
name of component: forkhead box P2
[NPU42369](#)
DNA(spec.)—FOXP2 gene; seq.var. = ?

DNA(specification)—
FOXP3 gene;
sequence variation
name of component: forkhead box P3
[NPU34995](#)
DNA(spec.)—FOXP3 gene; seq.var. = ?

DNA(specification)—
FOXQ1 gene;
sequence variation
name of component: forkhead box Q1
[NPU47800](#)
DNA(spec.)—FOXQ1 gene; seq.var. = ?

DNA(specification)—
FPGS gene;
sequence variation
name of component: folylpolyglutamate synthase
[NPU33037](#)
DNA(spec.)—FPGS gene; seq.var. = ?

DNA(specification)—**FPGT gene;****sequence variation**

name of component: fucose-1-phosphate guanylyl-transferase

[NPU33038](#)

DNA(spec.)—FPGT gene; seq.var. = ?

DNA(specification)—**FPR1 gene;****sequence variation**

name of component: formyl peptide receptor 1

[NPU33039](#)

DNA(spec.)—FPR1 gene; seq.var. = ?

DNA(specification)—**FPRL1 gene;****sequence variation**

name of component: formyl peptide receptor-like 1

[NPU33040](#)

DNA(spec.)—FPRL1 gene; seq.var. = ?

DNA(specification)—**FPRL2 gene;****sequence variation**

name of component: formyl peptide receptor-like 2

[NPU33041](#)

DNA(spec.)—FPRL2 gene; seq.var. = ?

DNA(specification)—**FRA10A gene;****sequence variation**

name of component: fragile site, folic acid type, rare, fra(10)(q23.3) or fra(10)(q24.2)

[NPU33042](#)

DNA(spec.)—FRA10A gene; seq.var. = ?

DNA(specification)—**FRA10B gene;****sequence variation**

name of component: fragile site, BrdU type, rare, fra(10)(q25.2)

[NPU33043](#)

DNA(spec.)—FRA10B gene; seq.var. = ?

DNA(specification)—**FRA10C gene;****sequence variation**

name of component: fragile site, BrdU type, common, fra(10)(q21)

[NPU33044](#)

DNA(spec.)—FRA10C gene; seq.var. = ?

DNA(specification)—**FRA10D gene;****sequence variation**

name of component: fragile site, aphidicolin type, common, fra(10)(q22.1)

[NPU33045](#)

DNA(spec.)—FRA10D gene; seq.var. = ?

DNA(specification)—**FRA10E gene;****sequence variation**

name of component: fragile site, aphidicolin type, common, fra(10)(q25.2)

[NPU33046](#)

DNA(spec.)—FRA10E gene; seq.var. = ?

DNA(specification)—**FRA10F gene;****sequence variation**

name of component: fragile site, aphidicolin type, common, fra(10)(q26.1)

[NPU33047](#)

DNA(spec.)—FRA10F gene; seq.var. = ?

DNA(specification)—**FRA10G gene;****sequence variation**

name of component: fragile site, aphidicolin type, common, fra(10)(q11.2)

[NPU33048](#)

DNA(spec.)—FRA10G gene; seq.var. = ?

DNA(specification)—**FRA11A gene;****sequence variation**

name of component: fragile site, folic acid type, rare, fra(11)(q13.3)

[NPU33049](#)

DNA(spec.)—FRA11A gene; seq.var. = ?

DNA(specification)—**FRA11B gene;****sequence variation**

name of component: fragile site, folic acid type, rare, fra(11)(q23.3)

[NPU33050](#)

DNA(spec.)—FRA11B gene; seq.var. = ?

DNA(specification)—**FRA11C gene;****sequence variation**

name of component: fragile site, aphidicolin type, common, fra(11)(p15.1)

[NPU33051](#)

DNA(spec.)—FRA11C gene; seq.var. = ?

DNA(specification)—**FRA11D gene;****sequence variation**

name of component: fragile site, aphidicolin type, common, fra(11)(p14.2)

[NPU33052](#)

DNA(spec.)—FRA11D gene; seq.var. = ?

DNA(specification)—**FRA11E gene;****sequence variation**

name of component: fragile site, aphidicolin type, common, fra(11)(p13)

[NPU33053](#)

DNA(spec.)—FRA11E gene; seq.var. = ?

DNA(specification)—**FRA11F gene;****sequence variation**

name of component: fragile site, aphidicolin type, common, fra(11)(q14.2)

[NPU33054](#)

DNA(spec.)—FRA11F gene; seq.var. = ?

DNA(specification)—**FRA11G gene;****sequence variation**

name of component: fragile site, aphidicolin type, common, fra(11)(q23.3)

[NPU33055](#)

DNA(spec.)—FRA11G gene; seq.var. = ?

DNA(specification)—**FRA11H gene;****sequence variation**

name of component: fragile site, aphidicolin type, common, fra(11)(q13)

[NPU33056](#)

DNA(spec.)—FRA11H gene; seq.var. = ?

DNA(specification)—**FRA11I gene;****sequence variation**

name of component: fragile site, distamycin A type, rare, fra(11)(p15.1)

[NPU33057](#)

DNA(spec.)—FRA11I gene; seq.var. = ?

DNA(specification)—**FRA12A gene;****sequence variation**

name of component: fragile site, folic acid type, rare, fra(12)(q13.1)

[NPU33058](#)

DNA(spec.)—FRA12A gene; seq.var. = ?

DNA(specification)—**FRA12B gene;****sequence variation**

name of component: fragile site, aphidicolin type, common, fra(12)(q21.3)

[NPU33059](#)

DNA(spec.)—FRA12B gene; seq.var. = ?

DNA(specification)—**FRA12C gene;****sequence variation**

name of component: fragile site, BrdU type, rare, fra(12)(q24.2)

[NPU33060](#)

DNA(spec.)—FRA12C gene; seq.var. = ?

DNA(specification)—**FRA12D gene;****sequence variation**

name of component: fragile site, folic acid type, rare, fra(12)(q24.13)

[NPU33061](#)

DNA(spec.)—FRA12D gene; seq.var. = ?

DNA(specification)—**FRA12E gene;****sequence variation**

name of component: fragile site, aphidicolin type, common, fra(12)(q24)

[NPU33062](#)

DNA(spec.)—FRA12E gene; seq.var. = ?

DNA(specification)—**FRA13A gene;****sequence variation**

name of component: fragile site, aphidicolin type, common, fra(13)(q13.2)

[NPU33063](#)

DNA(spec.)—FRA13A gene; seq.var. = ?

DNA(specification)—**FRA13B gene;****sequence variation**

name of component: fragile site, BrdU type, common, fra(13)(q21)

[NPU33064](#)

DNA(spec.)—FRA13B gene; seq.var. = ?

DNA(specification)—**FRA13C gene;****sequence variation**

name of component: fragile site, aphidicolin type, common, fra(13)(q21.2)

[NPU33065](#)

DNA(spec.)—FRA13C gene; seq.var. = ?

DNA(specification)—**FRA13D gene;****sequence variation**

name of component: fragile site, aphidicolin type, common, fra(13)(q32)

[NPU33066](#)

DNA(spec.)—FRA13D gene; seq.var. = ?

DNA(specification)—**FRA14B gene;****sequence variation**

name of component: fragile site, aphidicolin type, common, fra(14)(q23)

[NPU33067](#)

DNA(spec.)—FRA14B gene; seq.var. = ?

DNA(specification)—**FRA14C gene;****sequence variation**

name of component: fragile site, aphidicolin type, common, fra(14)(q24.1)

[NPU33068](#)

DNA(spec.)—FRA14C gene; seq.var. = ?

DNA(specification)—**FRA15A gene;****sequence variation**

name of component: fragile site, aphidicolin type, common, fra(15)(q22)

[NPU33069](#)

DNA(spec.)—FRA15A gene; seq.var. = ?

DNA(specification)—**FRA16A gene;****sequence variation**

name of component: fragile site, folic acid type, rare, fra(16)(p13.11)

[NPU33070](#)

DNA(spec.)—FRA16A gene; seq.var. = ?

DNA(specification)—**FRA16B gene;****sequence variation**

name of component: fragile site, distamycin A type, rare, fra(16)(q22.1)

[NPU33071](#)

DNA(spec.)—FRA16B gene; seq.var. = ?

DNA(specification)—**FRA16C gene;****sequence variation**

name of component: fragile site, aphidicolin type, common, fra(16)(q22.1)

[NPU33072](#)

DNA(spec.)—FRA16C gene; seq.var. = ?

DNA(specification)—**FRA16D gene;****sequence variation**

name of component: fragile site, aphidicolin type, common, fra(16)(q23.2)

[NPU33073](#)

DNA(spec.)—FRA16D gene; seq.var. = ?

DNA(specification)—**FRA16E gene;****sequence variation**

name of component: fragile site, distamycin A type, rare, fra(16)(p12.1)

[NPU33074](#)

DNA(spec.)—FRA16E gene; seq.var. = ?

DNA(specification)—**FRA17A gene;****sequence variation**

name of component: fragile site, distamycin A type, rare, fra(17)(p12)

[NPU33075](#)

DNA(spec.)—FRA17A gene; seq.var. = ?

DNA(specification)—**FRA17B gene;****sequence variation**

name of component: fragile site, aphidicolin type, common, fra(17)(q23.1)

[NPU33076](#)

DNA(spec.)—FRA17B gene; seq.var. = ?

DNA(specification)—**FRA18A gene;****sequence variation**

name of component: fragile site, aphidicolin type, common, fra(18)(q12.2)

[NPU33077](#)

DNA(spec.)—FRA18A gene; seq.var. = ?

DNA(specification)—**FRA18B gene;****sequence variation**

name of component: fragile site, aphidicolin type, common, fra(18)(q21.3)

[NPU33078](#)

DNA(spec.)—FRA18B gene; seq.var. = ?

DNA(specification)—**FRA18C gene;****sequence variation**

name of component: reserved

[NPU44777](#)

DNA(spec.)—FRA18C gene; seq.var. = ?

DNA(specification)—**FRA19A gene;****sequence variation**

name of component: fragile site, 5-azacytidine type, common, fra(19)(q13)

[NPU33079](#)

DNA(spec.)—FRA19A gene; seq.var. = ?

DNA(specification)—**FRA19B gene;****sequence variation**

name of component: fragile site, folic acid type,
rare, fra(19)(p13)

[NPU33080](#)

DNA(spec.)—FRA19B gene; seq.var. = ?

DNA(specification)—**FRA1A gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(1)(p36)

[NPU33081](#)

DNA(spec.)—FRA1A gene; seq.var. = ?

DNA(specification)—**FRA1B gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(1)(p32)

[NPU33082](#)

DNA(spec.)—FRA1B gene; seq.var. = ?

DNA(specification)—**FRA1C gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(1)(p31.2)

[NPU33083](#)

DNA(spec.)—FRA1C gene; seq.var. = ?

DNA(specification)—**FRA1D gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(1)(p22)

[NPU33084](#)

DNA(spec.)—FRA1D gene; seq.var. = ?

DNA(specification)—**FRA1E gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(1)(p21.2)

[NPU33085](#)

DNA(spec.)—FRA1E gene; seq.var. = ?

DNA(specification)—**FRA1F gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(1)(q21)

[NPU33086](#)

DNA(spec.)—FRA1F gene; seq.var. = ?

DNA(specification)—**FRA1G gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(1)(q25.1)

[NPU33087](#)

DNA(spec.)—FRA1G gene; seq.var. = ?

DNA(specification)—**FRA1H gene;****sequence variation**

name of component: fragile site, 5-azacytidine
type, common, fra(1)(q42)

[NPU33088](#)

DNA(spec.)—FRA1H gene; seq.var. = ?

DNA(specification)—**FRA1I gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(1)(q44)

[NPU33089](#)

DNA(spec.)—FRA1I gene; seq.var. = ?

DNA(specification)—**FRA1J gene;****sequence variation**

name of component: fragile site, 5-azacytidine
type, common, fra(1)(q12)

[NPU33090](#)

DNA(spec.)—FRA1J gene; seq.var. = ?

DNA(specification)—**FRA1K gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(1)(q31)

[NPU33091](#)

DNA(spec.)—FRA1K gene; seq.var. = ?

DNA(specification)—**FRA1L gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(1)(p31)

[NPU33092](#)

DNA(spec.)—FRA1L gene; seq.var. = ?

DNA(specification)—**FRA1M gene;****sequence variation**

name of component: fragile site, folic acid type,
rare, fra(1)(p21.3)

[NPU33093](#)

DNA(spec.)—FRA1M gene; seq.var. = ?

DNA(specification)—**FRA20A gene;****sequence variation**

name of component: fragile site, folic acid type,
rare, fra(20)(p11.23)

[NPU33094](#)

DNA(spec.)—FRA20A gene; seq.var. = ?

DNA(specification)—**FRA20B gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(20)(p12.2)

[NPU33095](#)

DNA(spec.)—FRA20B gene; seq.var. = ?

DNA(specification)—**FRA22A gene;****sequence variation**

name of component: fragile site, folic acid type,
rare, fra(22)(q13)

[NPU33096](#)

DNA(spec.)—FRA22A gene; seq.var. = ?

DNA(specification)—**FRA22B gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(22)(q12.2)

[NPU33097](#)

DNA(spec.)—FRA22B gene; seq.var. = ?

DNA(specification)—**FRA2A gene;****sequence variation**

name of component: fragile site, folic acid type,
rare, fra(2)(q11.2)

[NPU33098](#)

DNA(spec.)—FRA2A gene; seq.var. = ?

DNA(specification)—**FRA2B gene;****sequence variation**

name of component: fragile site, folic acid type,
rare, fra(2)(q13)

[NPU33099](#)

DNA(spec.)—FRA2B gene; seq.var. = ?

DNA(specification)—**FRA2C gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(2)(p24.2)

[NPU33100](#)

DNA(spec.)—FRA2C gene; seq.var. = ?

DNA(specification)—**FRA2D gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(2)(p16.2)

[NPU33101](#)

DNA(spec.)—FRA2D gene; seq.var. = ?

DNA(specification)—**FRA2E gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(2)(p13)

[NPU33102](#)

DNA(spec.)—FRA2E gene; seq.var. = ?

DNA(specification)—**FRA2F gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(2)(q21.3)

[NPU33103](#)

DNA(spec.)—FRA2F gene; seq.var. = ?

DNA(specification)—**FRA2G gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(2)(q31)

[NPU33104](#)

DNA(spec.)—FRA2G gene; seq.var. = ?

DNA(specification)—**FRA2H gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(2)(q32.1)

[NPU33105](#)

DNA(spec.)—FRA2H gene; seq.var. = ?

DNA(specification)—**FRA2I gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(2)(q33)

[NPU33106](#)

DNA(spec.)—FRA2I gene; seq.var. = ?

DNA(specification)—**FRA2J gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(2)(q37.3)

[NPU33107](#)

DNA(spec.)—FRA2J gene; seq.var. = ?

DNA(specification)—**FRA2K gene;****sequence variation**

name of component: fragile site, folic acid type,
rare, fra(2)(q22.3)

[NPU33108](#)

DNA(spec.)—FRA2K gene; seq.var. = ?

DNA(specification)—**FRA3A gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(3)(p24.2)

[NPU33109](#)

DNA(spec.)—FRA3A gene; seq.var. = ?

DNA(specification)—**FRA3B gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(3)(p14.2)

[NPU33110](#)

DNA(spec.)—FRA3B gene; seq.var. = ?

DNA(specification)—**FRA3C gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(3)(q27)

[NPU33111](#)

DNA(spec.)—FRA3C gene; seq.var. = ?

DNA(specification)—**FRA3D gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(3)(q25)

[NPU33112](#)

DNA(spec.)—FRA3D gene; seq.var. = ?

DNA(specification)—**FRA4A gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(4)(p16.1)

[NPU33113](#)

DNA(spec.)—FRA4A gene; seq.var. = ?

DNA(specification)—**FRA4B gene;****sequence variation**

name of component: fragile site, BrdU type, com-
mon, fra(4)(q12)

[NPU33114](#)

DNA(spec.)—FRA4B gene; seq.var. = ?

DNA(specification)—**FRA4C gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(4)(q31.1)

[NPU33115](#)

DNA(spec.)—FRA4C gene; seq.var. = ?

DNA(specification)—**FRA4D gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(4)(p15)

[NPU33116](#)

DNA(spec.)—FRA4D gene; seq.var. = ?

DNA(specification)—**FRA4E gene;****sequence variation**

name of component: fragile site, unclassified,
common, fra(4)(q27)

[NPU33117](#)

DNA(spec.)—FRA4E gene; seq.var. = ?

DNA(specification)—**FRA5A gene;****sequence variation**

name of component: fragile site, BrdU type, com-
mon, fra(5)(p13)

[NPU33118](#)

DNA(spec.)—FRA5A gene; seq.var. = ?

DNA(specification)—**FRA5B gene;****sequence variation**

name of component: fragile site, BrdU type, com-
mon, fra(5)(q15)

[NPU33119](#)

DNA(spec.)—FRA5B gene; seq.var. = ?

DNA(specification)—**FRA5C gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(5)(q31.1)

[NPU33120](#)

DNA(spec.)—FRA5C gene; seq.var. = ?

DNA(specification)—**FRA5D gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(5)(q15)

[NPU33121](#)

DNA(spec.)—FRA5D gene; seq.var. = ?

DNA(specification)—**FRA5E gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(5)(p14)

[NPU33122](#)

DNA(spec.)—FRA5E gene; seq.var. = ?

DNA(specification)—**FRA5F gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(5)(q21)

[NPU33123](#)

DNA(spec.)—FRA5F gene; seq.var. = ?

DNA(specification)—**FRA5G gene;****sequence variation**

name of component: fragile site, folic acid type,
rare, fra(5)(q35)

[NPU33124](#)

DNA(spec.)—FRA5G gene; seq.var. = ?

DNA(specification)—**FRA6A gene;****sequence variation**

name of component: fragile site, folic acid type,
rare, fra(6)(p23)

[NPU33125](#)

DNA(spec.)—FRA6A gene; seq.var. = ?

DNA(specification)—**FRA6B gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(6)(p25.1)

[NPU33126](#)

DNA(spec.)—FRA6B gene; seq.var. = ?

DNA(specification)—**FRA6C gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(6)(p22.2)

[NPU33127](#)

DNA(spec.)—FRA6C gene; seq.var. = ?

DNA(specification)—**FRA6D gene;****sequence variation**

name of component: fragile site, BrdU type, com-
mon, fra(6)(q13)

[NPU33128](#)

DNA(spec.)—FRA6D gene; seq.var. = ?

DNA(specification)—**FRA6E gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(6)(q26)

[NPU33129](#)

DNA(spec.)—FRA6E gene; seq.var. = ?

DNA(specification)—**FRA6F gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(6)(q21)

[NPU33130](#)

DNA(spec.)—FRA6F gene; seq.var. = ?

DNA(specification)—**FRA6G gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(6)(q15)

[NPU33131](#)

DNA(spec.)—FRA6G gene; seq.var. = ?

DNA(specification)—**FRA7A gene;****sequence variation**

name of component: fragile site, folic acid type,
rare, fra(7)(p11.2)

[NPU33132](#)

DNA(spec.)—FRA7A gene; seq.var. = ?

DNA(specification)—**FRA7B gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(7)(p22)

[NPU33133](#)

DNA(spec.)—FRA7B gene; seq.var. = ?

DNA(specification)—**FRA7C gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(7)(p14.2)

[NPU33134](#)

DNA(spec.)—FRA7C gene; seq.var. = ?

DNA(specification)—**FRA7D gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(7)(p13)

[NPU33135](#)

DNA(spec.)—FRA7D gene; seq.var. = ?

DNA(specification)—**FRA7E gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(7)(q21.2)

[NPU33136](#)

DNA(spec.)—FRA7E gene; seq.var. = ?

DNA(specification)—**FRA7F gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(7)(q22)

[NPU33137](#)

DNA(spec.)—FRA7F gene; seq.var. = ?

DNA(specification)—**FRA7G gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(7)(q31.2)

[NPU33138](#)

DNA(spec.)—FRA7G gene; seq.var. = ?

DNA(specification)—**FRA7H gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(7)(q32.3)

[NPU33139](#)

DNA(spec.)—FRA7H gene; seq.var. = ?

DNA(specification)—**FRA7I gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(7)(q36)

[NPU33140](#)

DNA(spec.)—FRA7I gene; seq.var. = ?

DNA(specification)—**FRA7J gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(7)(q11)

[NPU33141](#)

DNA(spec.)—FRA7J gene; seq.var. = ?

DNA(specification)—**FRA8A gene;****sequence variation**

name of component: fragile site, folic acid type,
rare, fra(8)(q22.3)

[NPU33142](#)

DNA(spec.)—FRA8A gene; seq.var. = ?

DNA(specification)—**FRA8B gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(8)(q22.1)

[NPU33143](#)

DNA(spec.)—FRA8B gene; seq.var. = ?

DNA(specification)—**FRA8C gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(8)(q24.1)

[NPU33144](#)

DNA(spec.)—FRA8C gene; seq.var. = ?

DNA(specification)—**FRA8D gene;****sequence variation**

name of component: fragile site, aphidicolin type,
common, fra(8)(q24.3)

[NPU33145](#)

DNA(spec.)—FRA8D gene; seq.var. = ?

DNA(specification)—**FRA8E gene;****sequence variation**

name of component: fragile site, distamycin A
type, rare, fra(8)(q24.1)

[NPU33146](#)

DNA(spec.)—FRA8E gene; seq.var. = ?

DNA(specification)—**FRA8F gene;****sequence variation**

name of component: fragile site, unclassified, rare,
fra(8)(q13)

[NPU33147](#)

DNA(spec.)—FRA8F gene; seq.var. = ?

DNA(specification)—**FRA9A gene;****sequence variation**

name of component: fragile site, folic acid type,
rare, fra(9)(p21)

[NPU33148](#)

DNA(spec.)—FRA9A gene; seq.var. = ?

DNA(specification)—**FRA9B gene;****sequence variation**

name of component: fragile site, folic acid type,
rare, fra(9)(q32)

[NPU33149](#)

DNA(spec.)—FRA9B gene; seq.var. = ?

DNA(specification)—**FRA9C gene;****sequence variation**

name of component: fragile site, BrdU type, common, fra(9)(p21)

[NPU33150](#)

DNA(spec.)—FRA9C gene; seq.var. = ?

DNA(specification)—**FRA9D gene;****sequence variation**

name of component: fragile site, aphidicolin type, common, fra(9)(q22.1)

[NPU33151](#)

DNA(spec.)—FRA9D gene; seq.var. = ?

DNA(specification)—**FRA9E gene;****sequence variation**

name of component: fragile site, aphidicolin type, common, fra(9)(q32)

[NPU33152](#)

DNA(spec.)—FRA9E gene; seq.var. = ?

DNA(specification)—**FRA9F gene;****sequence variation**

name of component: fragile site, 5-azacytidine type, common, fra(9)(q12)

[NPU33153](#)

DNA(spec.)—FRA9F gene; seq.var. = ?

DNA(specification)—**FRAP1 gene;****sequence variation**

name of component: FK506 binding protein 12-rapamycin associated protein 1

[NPU33154](#)

DNA(spec.)—FRAP1 gene; seq.var. = ?

DNA(specification)—**FRAS1 gene;****sequence variation**

name of component: Fraser syndrome 1

[NPU46911](#)

DNA(spec.)—FRAS1 gene; seq.var. = ?

DNA(specification)—**FRAT1 gene;****sequence variation**

name of component: frequently rearranged in advanced T-cell lymphomas

[NPU33155](#)

DNA(spec.)—FRAT1 gene; seq.var. = ?

DNA(specification)—**FRAT2 gene;****sequence variation**

name of component: frequently rearranged in advanced T-cell lymphomas 2

[NPU44107](#)

DNA(spec.)—FRAT2 gene; seq.var. = ?

DNA(specification)—**FRAXA gene;****sequence variation**

name of component: fragile site, folic acid type, rare, fra(X)(q27.3), (macroorchidism, mental retardation)

[NPU33156](#)

DNA(spec.)—FRAXA gene; seq.var. = ?

DNA(specification)—**FRAXB gene;****sequence variation**

name of component: fragile site, aphidicolin type, common, fra(X)(p22.31)

[NPU33157](#)

DNA(spec.)—FRAXB gene; seq.var. = ?

DNA(specification)—**FRAXC gene;****sequence variation**

name of component: fragile site, aphidicolin type, common, fra(X)(q22.1)

[NPU33158](#)

DNA(spec.)—FRAXC gene; seq.var. = ?

DNA(specification)—**FRAXD gene;****sequence variation**

name of component: fragile site, aphidicolin type, common, fra(X)(q27.2)

[NPU33159](#)

DNA(spec.)—FRAXD gene; seq.var. = ?

DNA(specification)—**FRAXE gene;****sequence variation**

name of component: fragile site, folic acid type, rare, fra(X)(q28)

[NPU33160](#)

DNA(spec.)—FRAXE gene; seq.var. = ?

DNA(specification)—**FRAXF gene;****sequence variation**

name of component: fragile site, folic acid type, rare, fra(X)(q28)

[NPU33161](#)

DNA(spec.)—FRAXF gene; seq.var. = ?

DNA(specification)—**FRDA gene;****sequence variation**

name of component: Friedreich ataxia

[NPU19081](#)

DNA(spec.)—FRDA gene; seq.var. = ?

DNA(specification)—**FRDA gene(MIM229300.0001);****entitic number(0 1 2)****NPU19289**

DNA(spec.)—FRDA gene(MIM229300.0001);

entitic num.(0 1 2) = ?

DNA(specification)—**FRDA2 gene;****sequence variation**

name of component: Friedreich ataxia 2

[NPU33162](#)

DNA(spec.)—FRDA2 gene; seq.var. = ?

DNA(specification)—**FRDAP gene;****sequence variation**

name of component: Friedreich ataxia pseudogene

[NPU47356](#)

DNA(spec.)—FRDAP gene; seq.var. = ?

DNA(specification)—**FREQ gene;****sequence variation**

name of component: frequenin homolog (Drosophila)

[NPU33163](#)

DNA(spec.)—FREQ gene; seq.var. = ?

DNA(specification)—**FRG1 gene;****sequence variation**

name of component: FSHD region gene 1

[NPU33164](#)

DNA(spec.)—FRG1 gene; seq.var. = ?

DNA(specification)—**FRK gene;****sequence variation**

name of component: fyn-related kinase

[NPU33165](#)

DNA(spec.)—FRK gene; seq.var. = ?

DNA(specification)—**FRV1 gene;****sequence variation**

name of component: full length retroviral sequence 1 (band F6, 14.5kb)

[NPU33166](#)

DNA(spec.)—FRV1 gene; seq.var. = ?

DNA(specification)—**FRV2 gene;****sequence variation**

name of component: full length retroviral sequence 2 (band F9, 11.2kb)

[NPU33167](#)

DNA(spec.)—FRV2 gene; seq.var. = ?

DNA(specification)—**FRV3 gene;****sequence variation**

name of component: full length retroviral sequence 3 (band F21, 3.5kb)

[NPU33168](#)

DNA(spec.)—FRV3 gene; seq.var. = ?

DNA(specification)—**FRZB gene;****sequence variation**

name of component: frizzled-related protein

[NPU33169](#)

DNA(spec.)—FRZB gene; seq.var. = ?

DNA(specification)—**FSCN1 gene;****sequence variation**

name of component: fascin homolog 1, actin-bundling protein (Strongylocentrotus purpuratus)

[NPU40242](#)

DNA(spec.)—FSCN1 gene; seq.var. = ?

DNA(specification)—**FSCN2 gene;****sequence variation**

name of component: fascin homolog 2, actin-bundling protein, retinal (Strongylocentrotus purpuratus)

[NPU33170](#)

DNA(spec.)—FSCN2 gene; seq.var. = ?

DNA(specification)—**FSCN3 gene;****sequence variation**

name of component: fascin homolog 3, actin-bundling protein, testicular (Strongylocentrotus purpuratus)

[NPU33171](#)

DNA(spec.)—FSCN3 gene; seq.var. = ?

DNA(specification)—**FSGS1 gene;****sequence variation**

name of component: focal segmental glomerulosclerosis 1

[NPU33172](#)

DNA(spec.)—FSGS1 gene; seq.var. = ?

DNA(specification)—**FSGS2 gene;****sequence variation**

name of component: focal segmental glomerulosclerosis 2

[NPU33173](#)

DNA(spec.)—FSGS2 gene; seq.var. = ?

DNA(specification)—**FSHB gene;****sequence variation**

name of component: follicle stimulating hormone, beta polypeptide

[NPU33174](#)

DNA(spec.)—FSHB gene; seq.var. = ?

DNA(specification)—**FSHMD1A gene;****sequence variation**

name of component: facioscapulohumeral muscular dystrophy 1A

[NPU19082](#)

DNA(spec.)—FSHMD1A gene; seq.var. = ?

DNA(specification)—**FSHMD1B gene;****sequence variation**

name of component: facioscapulohumeral muscular dystrophy 1B

[NPU33175](#)

DNA(spec.)—FSHMD1B gene; seq.var. = ?

DNA(specification)—**FSHPRH1 gene;****sequence variation**

name of component: FSH primary response (LRPR1 homolog, rat) 1

[NPU33176](#)

DNA(spec.)—FSHPRH1 gene; seq.var. = ?

DNA(specification)—**FSHR gene;****sequence variation**

name of component: follicle stimulating hormone receptor

[NPU33177](#)

DNA(spec.)—FSHR gene; seq.var. = ?

DNA(specification)—**FSP gene;****sequence variation**

name of component: fibroblast secretory protein

[NPU33178](#)

DNA(spec.)—FSP gene; seq.var. = ?

DNA(specification)—**FST gene;****sequence variation**

name of component: follistatin

[NPU33179](#)

DNA(spec.)—FST gene; seq.var. = ?

DNA(specification)—**FSTL1 gene;****sequence variation**

name of component: follistatin-like 1

[NPU33180](#)

DNA(spec.)—FSTL1 gene; seq.var. = ?

DNA(specification)—**FSTL3 gene;****sequence variation**

name of component: follistatin-like 3 (secreted glycoprotein)

[NPU33181](#)

DNA(spec.)—FSTL3 gene; seq.var. = ?

DNA(specification)—**FTCD gene;****sequence variation**

name of component: formiminotransferase cyclo-deaminase

[NPU33182](#)

DNA(spec.)—FTCD gene; seq.var. = ?

DNA(specification)—**FTH1 gene;****sequence variation**

name of component: ferritin, heavy polypeptide 1

[NPU33183](#)

DNA(spec.)—FTH1 gene; seq.var. = ?

DNA(specification)—**FTHFD gene;****sequence variation**

name of component: formyltetrahydrofolate dehydrogenase

[NPU33184](#)

DNA(spec.)—FTHFD gene; seq.var. = ?

DNA(specification)—**FTHL1 gene;****sequence variation**

name of component: ferritin, heavy polypeptide-like 1

[NPU33185](#)

DNA(spec.)—FTHL1 gene; seq.var. = ?

DNA(specification)—**FTHL10 gene;****sequence variation**

name of component: ferritin, heavy polypeptide-like 10

[NPU33186](#)

DNA(spec.)—FTHL10 gene; seq.var. = ?

DNA(specification)—
FTHL11 gene;
sequence variation
name of component: ferritin, heavy polypeptide-like 11
[NPU33187](#)
DNA(spec.)—FTHL11 gene; seq.var. = ?

DNA(specification)—
FTHL12 gene;
sequence variation
name of component: ferritin, heavy polypeptide-like 12
[NPU33188](#)
DNA(spec.)—FTHL12 gene; seq.var. = ?

DNA(specification)—
FTHL13 gene;
sequence variation
name of component: ferritin, heavy polypeptide-like 13
[NPU33189](#)
DNA(spec.)—FTHL13 gene; seq.var. = ?

DNA(specification)—
FTHL14 gene;
sequence variation
name of component: ferritin, heavy polypeptide-like 14
[NPU33190](#)
DNA(spec.)—FTHL14 gene; seq.var. = ?

DNA(specification)—
FTHL15 gene;
sequence variation
name of component: ferritin, heavy polypeptide-like 15
[NPU33191](#)
DNA(spec.)—FTHL15 gene; seq.var. = ?

DNA(specification)—
FTHL16 gene;
sequence variation
name of component: ferritin, heavy polypeptide-like 16
[NPU33192](#)
DNA(spec.)—FTHL16 gene; seq.var. = ?

DNA(specification)—
FTHL17 gene;
sequence variation
name of component: ferritin, heavy polypeptide-like 17
[NPU33193](#)
DNA(spec.)—FTHL17 gene; seq.var. = ?

DNA(specification)—
FTHL18 gene;
sequence variation
name of component: ferritin, heavy polypeptide-like 18
[NPU33194](#)
DNA(spec.)—FTHL18 gene; seq.var. = ?

DNA(specification)—
FTHL2 gene;
sequence variation
name of component: ferritin, heavy polypeptide-like 2
[NPU33195](#)
DNA(spec.)—FTHL2 gene; seq.var. = ?

DNA(specification)—
FTHL3 gene;
sequence variation
name of component: ferritin, heavy polypeptide-like 3
[NPU33196](#)
DNA(spec.)—FTHL3 gene; seq.var. = ?

DNA(specification)—
FTHL4 gene;
sequence variation
name of component: ferritin, heavy polypeptide-like 4
[NPU33197](#)
DNA(spec.)—FTHL4 gene; seq.var. = ?

DNA(specification)—
FTHL7 gene;
sequence variation
name of component: ferritin, heavy polypeptide-like 7
[NPU33198](#)
DNA(spec.)—FTHL7 gene; seq.var. = ?

DNA(specification)—
FTHL8 gene;
sequence variation
name of component: ferritin, heavy polypeptide-like 8
[NPU33199](#)
DNA(spec.)—FTHL8 gene; seq.var. = ?

DNA(specification)—
FTHP1 gene;
sequence variation
name of component: ferritin, heavy polypeptide pseudogene 1
[NPU33200](#)
DNA(spec.)—FTHP1 gene; seq.var. = ?

DNA(specification)—**FTHP2 gene;****sequence variation**

name of component: ferritin, heavy polypeptide
pseudogene 2

[NPU33201](#)

DNA(spec.)—FTHP2 gene; seq.var. = ?

DNA(specification)—**FTHP3 gene;****sequence variation**

name of component: ferritin, heavy polypeptide
pseudogene 3

[NPU33202](#)

DNA(spec.)—FTHP3 gene; seq.var. = ?

DNA(specification)—**FTL gene;****sequence variation**

name of component: ferritin, light polypeptide

[NPU33203](#)

DNA(spec.)—FTL gene; seq.var. = ?

DNA(specification)—**FTLL1 gene;****sequence variation**

name of component: ferritin, light polypeptide-like
1

[NPU33204](#)

DNA(spec.)—FTLL1 gene; seq.var. = ?

DNA(specification)—**FTLL2 gene;****sequence variation**

name of component: ferritin, light polypeptide-like
2

[NPU33205](#)

DNA(spec.)—FTLL2 gene; seq.var. = ?

DNA(specification)—**FTLP gene;****sequence variation**

name of component: ferritin, light polypeptide
pseudogene

[NPU44528](#)

DNA(spec.)—FTLP gene; seq.var. = ?

DNA(specification)—**FTS gene;****sequence variation**

name of component: fused toes homolog (mouse)

[NPU44651](#)

DNA(spec.)—FTS gene; seq.var. = ?

DNA(specification)—**FTSJ1 gene;****sequence variation**

name of component: FtsJ homolog 1 (E. coli)

[NPU42068](#)

DNA(spec.)—FTSJ1 gene; seq.var. = ?

DNA(specification)—**FTSJ2 gene;****sequence variation**

name of component: FtsJ homolog 2 (E. coli)

[NPU44369](#)

DNA(spec.)—FTSJ2 gene; seq.var. = ?

DNA(specification)—**FTSJ3 gene;****sequence variation**

name of component: FtsJ homolog 3 (E. coli)

[NPU44876](#)

DNA(spec.)—FTSJ3 gene; seq.var. = ?

DNA(specification)—**FUBP1 gene;****sequence variation**

name of component: far upstream element (FUSE)
binding protein 1

[NPU33206](#)

DNA(spec.)—FUBP1 gene; seq.var. = ?

DNA(specification)—**FUBP3 gene;****sequence variation**

name of component: far upstream element (FUSE)
binding protein 3

[NPU33207](#)

DNA(spec.)—FUBP3 gene; seq.var. = ?

DNA(specification)—**FUCA1 gene;****sequence variation**

name of component: fucosidase, alpha-L- 1, tissue

[NPU19083](#)

DNA(spec.)—FUCA1 gene; seq.var. = ?

DNA(specification)—**FUCA1P gene;****sequence variation**

name of component: fucosidase, alpha-L- 1, tissue
pseudogene

[NPU33208](#)

DNA(spec.)—FUCA1P gene; seq.var. = ?

DNA(specification)—**FUCA2 gene;****sequence variation**

name of component: fucosidase, alpha-L- 2,
plasma

[NPU33209](#)

DNA(spec.)—FUCA2 gene; seq.var. = ?

DNA(specification)—**FURIN gene;****sequence variation**

name of component: furin (paired basic amino acid cleaving enzyme)

[NPU37973](#)

DNA(spec.)—FURIN gene; seq.var. = ?

DNA(specification)—**FUS gene;****sequence variation**

name of component: fusion, derived from t(12;16) malignant liposarcoma

[NPU33210](#)

DNA(spec.)—FUS gene; seq.var. = ?

DNA(specification)—**FUSE gene;****sequence variation**

name of component: polykaryocytosis promoter

[NPU33211](#)

DNA(spec.)—FUSE gene; seq.var. = ?

DNA(specification)—**FUSIP1 gene;****sequence variation**

name of component: FUS interacting protein (serine-arginine rich) 1

[NPU44654](#)

DNA(spec.)—FUSIP1 gene; seq.var. = ?

DNA(specification)—**FUT1 gene;****sequence variation**

name of component: fucosyltransferase 1 (galactoside 2-alpha-L-fucosyltransferase, Bombay phenotype included)

[NPU33212](#)

DNA(spec.)—FUT1 gene; seq.var. = ?

DNA(specification)—**FUT2 gene;****sequence variation**

name of component: fucosyltransferase 2 (secretor status included)

[NPU33213](#)

DNA(spec.)—FUT2 gene; seq.var. = ?

DNA(specification)—**FUT3 gene;****sequence variation**

name of component: fucosyltransferase 3 (galactoside 3(4)-L-fucosyltransferase, Lewis blood group included)

[NPU33214](#)

DNA(spec.)—FUT3 gene; seq.var. = ?

DNA(specification)—**FUT3 gene;****taxon(procedure)**

name of component: fucosyltransferase 3 (galactoside 3(4)-L-fucosyltransferase, Lewis blood group included)

[NPU10335](#)

DNA(spec.)—FUT3 gene; taxon(proc.) = ?

DNA(specification)—**FUT4 gene;****sequence variation**

name of component: fucosyltransferase 4 (alpha (1,3) fucosyltransferase, myeloid-specific)

[NPU33215](#)

DNA(spec.)—FUT4 gene; seq.var. = ?

DNA(specification)—**FUT5 gene;****sequence variation**

name of component: fucosyltransferase 5 (alpha (1,3) fucosyltransferase)

[NPU33216](#)

DNA(spec.)—FUT5 gene; seq.var. = ?

DNA(specification)—**FUT6 gene;****sequence variation**

name of component: fucosyltransferase 6 (alpha (1,3) fucosyltransferase)

[NPU33217](#)

DNA(spec.)—FUT6 gene; seq.var. = ?

DNA(specification)—**FUT7 gene;****sequence variation**

name of component: fucosyltransferase 7 (alpha (1,3) fucosyltransferase)

[NPU33218](#)

DNA(spec.)—FUT7 gene; seq.var. = ?

DNA(specification)—**FUT8 gene;****sequence variation**

name of component: fucosyltransferase 8 (alpha (1,6) fucosyltransferase)

[NPU33219](#)

DNA(spec.)—FUT8 gene; seq.var. = ?

DNA(specification)—**FUT9 gene;****sequence variation**

name of component: fucosyltransferase 9 (alpha (1,3) fucosyltransferase)

[NPU33220](#)

DNA(spec.)—FUT9 gene; seq.var. = ?

DNA(specification)—**FVT1 gene;****sequence variation**

name of component: follicular lymphoma variant translocation 1

[NPU33221](#)

DNA(spec.)—FVT1 gene; seq.var. = ?

DNA(specification)—**FXC1 gene;****sequence variation**

name of component: fracture callus 1 homolog (rat)

[NPU33222](#)

DNA(spec.)—FXC1 gene; seq.var. = ?

DNA(specification)—**FXR1 gene;****sequence variation**

name of component: fragile X mental retardation, autosomal homolog 1

[NPU33223](#)

DNA(spec.)—FXR1 gene; seq.var. = ?

DNA(specification)—**FXR2 gene;****sequence variation**

name of component: fragile X mental retardation, autosomal homolog 2

[NPU33224](#)

DNA(spec.)—FXR2 gene; seq.var. = ?

DNA(specification)—**FXVD1 gene;****sequence variation**

name of component: FXVD domain containing ion transport regulator 1 (phospholemman)

[NPU33225](#)

DNA(spec.)—FXVD1 gene; seq.var. = ?

DNA(specification)—**FXVD2 gene;****sequence variation**

name of component: FXVD domain containing ion transport regulator 2

[NPU33226](#)

DNA(spec.)—FXVD2 gene; seq.var. = ?

DNA(specification)—**FXVD3 gene;****sequence variation**

name of component: FXVD domain containing ion transport regulator 3

[NPU33227](#)

DNA(spec.)—FXVD3 gene; seq.var. = ?

DNA(specification)—**FXVD4 gene;****sequence variation**

name of component: FXVD domain containing ion transport regulator 4

[NPU33228](#)

DNA(spec.)—FXVD4 gene; seq.var. = ?

DNA(specification)—**FXVD5 gene;****sequence variation**

name of component: FXVD domain containing ion transport regulator 5

[NPU33229](#)

DNA(spec.)—FXVD5 gene; seq.var. = ?

DNA(specification)—**FXVD6 gene;****sequence variation**

name of component: FXVD domain containing ion transport regulator 6

[NPU33230](#)

DNA(spec.)—FXVD6 gene; seq.var. = ?

DNA(specification)—**FXVD6P1 gene;****sequence variation**

name of component: FXVD domain containing ion transport regulator 6, pseudogene 1

[NPU33231](#)

DNA(spec.)—FXVD6P1 gene; seq.var. = ?

DNA(specification)—**FXVD6P2 gene;****sequence variation**

name of component: FXVD domain containing ion transport regulator 6, pseudogene 2

[NPU33232](#)

DNA(spec.)—FXVD6P2 gene; seq.var. = ?

DNA(specification)—**FXVD6P3 gene;****sequence variation**

name of component: FXVD domain containing ion transport regulator 6, pseudogene 3

[NPU33233](#)

DNA(spec.)—FXVD6P3 gene; seq.var. = ?

DNA(specification)—**FXVD7 gene;****sequence variation**

name of component: FXVD domain containing ion transport regulator 7

[NPU33234](#)

DNA(spec.)—FXVD7 gene; seq.var. = ?

DNA(specification)—**FY gene;****sequence variation**

name of component: Duffy blood group

[NPU33235](#)

DNA(spec.)—FY gene; seq.var. = ?

DNA(specification)—**FYB gene;****sequence variation**

name of component: FYN binding protein (FYB-120/130)

[NPU33236](#)

DNA(spec.)—FYB gene; seq.var. = ?

DNA(specification)—**FYCO1 gene;****sequence variation**

name of component: FYVE and coiled-coil domain containing 1

[NPU42936](#)

DNA(spec.)—FYCO1 gene; seq.var. = ?

DNA(specification)—**FYN gene;****sequence variation**

name of component: FYN oncogene related to SRC, FGR, YES

[NPU33237](#)

DNA(spec.)—FYN gene; seq.var. = ?

DNA(specification)—**FZD1 gene;****sequence variation**

name of component: frizzled homolog 1 (Drosophila)

[NPU33238](#)

DNA(spec.)—FZD1 gene; seq.var. = ?

DNA(specification)—**FZD10 gene;****sequence variation**

name of component: frizzled homolog 10 (Drosophila)

[NPU33239](#)

DNA(spec.)—FZD10 gene; seq.var. = ?

DNA(specification)—**FZD2 gene;****sequence variation**

name of component: frizzled homolog 2 (Drosophila)

[NPU33240](#)

DNA(spec.)—FZD2 gene; seq.var. = ?

DNA(specification)—**FZD3 gene;****sequence variation**

name of component: frizzled homolog 3 (Drosophila)

[NPU33241](#)

DNA(spec.)—FZD3 gene; seq.var. = ?

DNA(specification)—**FZD4 gene;****sequence variation**

name of component: frizzled homolog 4 (Drosophila)

[NPU33242](#)

DNA(spec.)—FZD4 gene; seq.var. = ?

DNA(specification)—**FZD5 gene;****sequence variation**

name of component: frizzled homolog 5 (Drosophila)

[NPU33243](#)

DNA(spec.)—FZD5 gene; seq.var. = ?

DNA(specification)—**FZD6 gene;****sequence variation**

name of component: frizzled homolog 6 (Drosophila)

[NPU33244](#)

DNA(spec.)—FZD6 gene; seq.var. = ?

DNA(specification)—**FZD7 gene;****sequence variation**

name of component: frizzled homolog 7 (Drosophila)

[NPU33245](#)

DNA(spec.)—FZD7 gene; seq.var. = ?

DNA(specification)—**FZD8 gene;****sequence variation**

name of component: frizzled homolog 8 (Drosophila)

[NPU33246](#)

DNA(spec.)—FZD8 gene; seq.var. = ?

DNA(specification)—**FZD9 gene;****sequence variation**

name of component: frizzled homolog 9 (Drosophila)

[NPU33247](#)

DNA(spec.)—FZD9 gene; seq.var. = ?

DNA(specification)—**FAAH gene;****sequence variation**

name of component: fatty acid amide hydrolase

[NPU32819](#)

DNA(spec.)—FAAH gene; seq.var. = ?

DNA(specification)—**G1P2 gene;****sequence variation**

name of component: interferon, alpha-inducible protein (clone IFI-15K)

[NPU33248](#)

DNA(spec.)—G1P2 gene; seq.var. = ?

DNA(specification)—**G1P3 gene;****sequence variation**

name of component: interferon, alpha-inducible protein (clone IFI-6-16)

[NPU33249](#)

DNA(spec.)—G1P3 gene; seq.var. = ?

DNA(specification)—**G22P1 gene;****sequence variation**

name of component: thyroid autoantigen 70 kDa (Ku antigen)

[NPU33250](#)

DNA(spec.)—G22P1 gene; seq.var. = ?

DNA(specification)—**G6PC gene;****sequence variation**

name of component: glucose-6-phosphatase, catalytic (glycogen storage disease type I, von Gierke disease)

[NPU19084](#)

DNA(spec.)—G6PC gene; seq.var. = ?

DNA(specification)—**G6PD gene;****sequence variation**

name of component: glucose-6-phosphate dehydrogenase

[NPU19085](#)

DNA(spec.)—G6PD gene; seq.var. = ?

DNA(specification)—**G6PDL gene;****sequence variation**

name of component: glucose-6-phosphate dehydrogenase-like

[NPU33251](#)

DNA(spec.)—G6PDL gene; seq.var. = ?

DNA(specification)—**G6PR gene;****sequence variation**

name of component: glucose-6-phosphatase, regulatory

[NPU33252](#)

DNA(spec.)—G6PR gene; seq.var. = ?

DNA(specification)—**G6PT1 gene;****sequence variation**

name of component: glucose-6-phosphatase, transport (glucose-6-phosphate) protein 1

[NPU19086](#)

DNA(spec.)—G6PT1 gene; seq.var. = ?

DNA(specification)—**G6PT2 gene;****sequence variation**

name of component: glucose-6-phosphatase, transport (phosphate/pyrophosphate) protein 2

[NPU33254](#)

DNA(spec.)—G6PT2 gene; seq.var. = ?

DNA(specification)—**G6PT3 gene;****sequence variation**

name of component: glucose-6-phosphatase, transport (glucose) protein 3

[NPU33255](#)

DNA(spec.)—G6PT3 gene; seq.var. = ?

DNA(specification)—**G7P1 gene;****sequence variation**

name of component: kinase-like protein

[NPU33256](#)

DNA(spec.)—G7P1 gene; seq.var. = ?

DNA(specification)—**GAB1 gene;****sequence variation**

name of component: GRB2-associated binding protein 1

[NPU33257](#)

DNA(spec.)—GAB1 gene; seq.var. = ?

DNA(specification)—**GAB2 gene;****sequence variation**

name of component: GRB2-associated binding protein 2

[NPU42772](#)

DNA(spec.)—GAB2 gene; seq.var. = ?

DNA(specification)—**GAB3 gene;****sequence variation**

name of component: GRB2-associated binding protein 3

[NPU46043](#)

DNA(spec.)—GAB3 gene; seq.var. = ?

DNA(specification)—**GABARAP gene;****sequence variation**

name of component: GABA(A) receptor-associated protein

[NPU33258](#)

DNA(spec.)—GABARAP gene; seq.var. = ?

DNA(specification)—**GABARAPL1 gene;****sequence variation**

name of component: GABA(A) receptor-associated protein like 1

[NPU33259](#)

DNA(spec.)—GABARAPL1 gene; seq.var. = ?

DNA(specification)—**GABARAPL2 gene;****sequence variation**

name of component: GABA(A) receptor-associated protein-like 2

[NPU42082](#)

DNA(spec.)—GABARAPL2 gene; seq.var. = ?

DNA(specification)—**GABARAPL3 gene;****sequence variation**

name of component: GABA(A) receptors associated protein like 3

[NPU33260](#)

DNA(spec.)—GABARAPL3 gene; seq.var. = ?

DNA(specification)—**GABBR1 gene;****sequence variation**

name of component: gamma-aminobutyric acid (GABA) B receptor, 1

[NPU33261](#)

DNA(spec.)—GABBR1 gene; seq.var. = ?

DNA(specification)—**GABPA gene;****sequence variation**

name of component: GA binding protein transcription factor, alpha subunit 60 kDa

[NPU33262](#)

DNA(spec.)—GABPA gene; seq.var. = ?

DNA(specification)—**GABPAP gene;****sequence variation**

name of component: GA binding protein transcription factor, alpha subunit pseudogene

[NPU33263](#)

DNA(spec.)—GABPAP gene; seq.var. = ?

DNA(specification)—**GABPB2 gene;****sequence variation**

name of component: GA binding protein transcription factor, beta subunit 2, 47 kDa

[NPU33264](#)

DNA(spec.)—GABPB2 gene; seq.var. = ?

DNA(specification)—**GABRA1 gene;****sequence variation**

name of component: gamma-aminobutyric acid (GABA) A receptor, alpha 1

[NPU33265](#)

DNA(spec.)—GABRA1 gene; seq.var. = ?

DNA(specification)—**GABRA2 gene;****sequence variation**

name of component: gamma-aminobutyric acid (GABA) A receptor, alpha 2

[NPU33266](#)

DNA(spec.)—GABRA2 gene; seq.var. = ?

DNA(specification)—**GABRA3 gene;****sequence variation**

name of component: gamma-aminobutyric acid (GABA) A receptor, alpha 3

[NPU33267](#)

DNA(spec.)—GABRA3 gene; seq.var. = ?

DNA(specification)—**GABRA4 gene;****sequence variation**

name of component: gamma-aminobutyric acid (GABA) A receptor, alpha 4

[NPU33268](#)

DNA(spec.)—GABRA4 gene; seq.var. = ?

DNA(specification)—**GABRA5 gene;****sequence variation**

name of component: gamma-aminobutyric acid (GABA) A receptor, alpha 5

[NPU33269](#)

DNA(spec.)—GABRA5 gene; seq.var. = ?

DNA(specification)—**GABRA6 gene;****sequence variation**

name of component: gamma-aminobutyric acid (GABA) A receptor, alpha 6

[NPU33270](#)

DNA(spec.)—GABRA6 gene; seq.var. = ?

DNA(specification)—**GABRB1 gene;****sequence variation**

name of component: gamma-aminobutyric acid (GABA) A receptor, beta 1

[NPU33271](#)

DNA(spec.)—GABRB1 gene; seq.var. = ?

DNA(specification)—**GABRB2 gene;****sequence variation**

name of component: gamma-aminobutyric acid (GABA) A receptor, beta 2

[NPU33272](#)

DNA(spec.)—GABRB2 gene; seq.var. = ?

DNA(specification)—**GABRB3 gene;****sequence variation**

name of component: gamma-aminobutyric acid (GABA) A receptor, beta 3

[NPU33273](#)

DNA(spec.)—GABRB3 gene; seq.var. = ?

DNA(specification)—**GABRD gene;****sequence variation**

name of component: gamma-aminobutyric acid (GABA) A receptor, delta

[NPU33274](#)

DNA(spec.)—GABRD gene; seq.var. = ?

DNA(specification)—**GABRE gene;****sequence variation**

name of component: gamma-aminobutyric acid (GABA) A receptor, epsilon

[NPU33275](#)

DNA(spec.)—GABRE gene; seq.var. = ?

DNA(specification)—**GABRG1 gene;****sequence variation**

name of component: gamma-aminobutyric acid (GABA) A receptor, gamma 1

[NPU33276](#)

DNA(spec.)—GABRG1 gene; seq.var. = ?

DNA(specification)—**GABRG2 gene;****sequence variation**

name of component: gamma-aminobutyric acid (GABA) A receptor, gamma 2

[NPU33277](#)

DNA(spec.)—GABRG2 gene; seq.var. = ?

DNA(specification)—**GABRG3 gene;****sequence variation**

name of component: gamma-aminobutyric acid (GABA) A receptor, gamma 3

[NPU33278](#)

DNA(spec.)—GABRG3 gene; seq.var. = ?

DNA(specification)—**GABRP gene;****sequence variation**

name of component: gamma-aminobutyric acid (GABA) A receptor, pi

[NPU33279](#)

DNA(spec.)—GABRP gene; seq.var. = ?

DNA(specification)—**GABRQ gene;****sequence variation**

name of component: gamma-aminobutyric acid (GABA) receptor, theta

[NPU42769](#)

DNA(spec.)—GABRQ gene; seq.var. = ?

DNA(specification)—**GABRR1 gene;****sequence variation**

name of component: gamma-aminobutyric acid (GABA) receptor, rho 1

[NPU33280](#)

DNA(spec.)—GABRR1 gene; seq.var. = ?

DNA(specification)—**GABRR2 gene;****sequence variation**

name of component: gamma-aminobutyric acid (GABA) receptor, rho 2

[NPU33281](#)

DNA(spec.)—GABRR2 gene; seq.var. = ?

DNA(specification)—**GAD1 gene;****sequence variation**

name of component: glutamate decarboxylase 1 (brain, 67 kDa)

[NPU33282](#)

DNA(spec.)—GAD1 gene; seq.var. = ?

DNA(specification)—**GAD2 gene;****sequence variation**

name of component: glutamate decarboxylase 2
(pancreatic islets and brain, 65 kDa)

[NPU19087](#)

DNA(spec.)—GAD2 gene; seq.var. = ?

DNA(specification)—**GAD3 gene;****sequence variation**

name of component: glutamate decarboxylase 3

[NPU33283](#)

DNA(spec.)—GAD3 gene; seq.var. = ?

DNA(specification)—**GADD45A gene;****sequence variation**

name of component: growth arrest and DNA-
damage-inducible, alpha

[NPU33284](#)

DNA(spec.)—GADD45A gene; seq.var. = ?

DNA(specification)—**GADD45B gene;****sequence variation**

name of component: growth arrest and DNA-
damage-inducible, beta

[NPU33285](#)

DNA(spec.)—GADD45B gene; seq.var. = ?

DNA(specification)—**GADD45G gene;****sequence variation**

name of component: growth arrest and DNA-
damage-inducible, gamma

[NPU33286](#)

DNA(spec.)—GADD45G gene; seq.var. = ?

DNA(specification)—**GAGE1 gene;****sequence variation**

name of component: G antigen 1

[NPU33287](#)

DNA(spec.)—GAGE1 gene; seq.var. = ?

DNA(specification)—**GAGE2 gene;****sequence variation**

name of component: G antigen 2

[NPU33288](#)

DNA(spec.)—GAGE2 gene; seq.var. = ?

DNA(specification)—**GAGE3 gene;****sequence variation**

name of component: G antigen 3

[NPU33289](#)

DNA(spec.)—GAGE3 gene; seq.var. = ?

DNA(specification)—**GAGE4 gene;****sequence variation**

name of component: G antigen 4

[NPU33290](#)

DNA(spec.)—GAGE4 gene; seq.var. = ?

DNA(specification)—**GAGE5 gene;****sequence variation**

name of component: G antigen 5

[NPU33291](#)

DNA(spec.)—GAGE5 gene; seq.var. = ?

DNA(specification)—**GAGE6 gene;****sequence variation**

name of component: G antigen 6

[NPU33292](#)

DNA(spec.)—GAGE6 gene; seq.var. = ?

DNA(specification)—**GAGE7 gene;****sequence variation**

name of component: G antigen 7

[NPU33293](#)

DNA(spec.)—GAGE7 gene; seq.var. = ?

DNA(specification)—**GAGE7B gene;****sequence variation**

name of component: G antigen 7B

[NPU33294](#)

DNA(spec.)—GAGE7B gene; seq.var. = ?

DNA(specification)—**GAGE8 gene;****sequence variation**

name of component: G antigen 8

[NPU33295](#)

DNA(spec.)—GAGE8 gene; seq.var. = ?

DNA(specification)—**GAGEB1 gene;****sequence variation**

name of component: G antigen, family B, 1 (pro-
state associated)

[NPU33296](#)

DNA(spec.)—GAGEB1 gene; seq.var. = ?

DNA(specification)—**GAGEC1 gene;****sequence variation**

name of component: G antigen, family C, 1

[NPU33297](#)

DNA(spec.)—GAGEC1 gene; seq.var. = ?

DNA(specification)—
GAGEC2 gene;
sequence variation
name of component: G antigen, family C, 2
[NPU33298](#)
DNA(spec.)—GAGEC2 gene; seq.var. = ?

DNA(specification)—
GAGED1 gene;
sequence variation
name of component: G antigen, family D, 1
[NPU33299](#)
DNA(spec.)—GAGED1 gene; seq.var. = ?

DNA(specification)—
GAGED2 gene;
sequence variation
name of component: G antigen, family D, 2
[NPU33300](#)
DNA(spec.)—GAGED2 gene; seq.var. = ?

DNA(specification)—
GAGED3 gene;
sequence variation
name of component: G antigen, family D, 3
[NPU33301](#)
DNA(spec.)—GAGED3 gene; seq.var. = ?

DNA(specification)—
GAK gene;
sequence variation
name of component: cyclin G associated kinase
[NPU33302](#)
DNA(spec.)—GAK gene; seq.var. = ?

DNA(specification)—
GAL gene;
sequence variation
name of component: galanin
[NPU33303](#)
DNA(spec.)—GAL gene; seq.var. = ?

DNA(specification)—
GALC gene;
sequence variation
name of component: galactosylceramidase (Krabbe disease)
[NPU19088](#)
DNA(spec.)—GALC gene; seq.var. = ?

DNA(specification)—
GALE gene;
sequence variation
name of component: galactose-4-epimerase, UDP-
[NPU33304](#)
DNA(spec.)—GALE gene; seq.var. = ?

DNA(specification)—
GALGT gene;
sequence variation
name of component: UDP-N-acetyl-alpha-D-galactosamine:(N-acetylneuraminy)-galactosylglucosylceramide N-acetylglactosaminyltransferase (GalNAc-T)
[NPU33305](#)
DNA(spec.)—GALGT gene; seq.var. = ?

DNA(specification)—
GALK1 gene;
sequence variation
name of component: galactokinase 1
[NPU33306](#)
DNA(spec.)—GALK1 gene; seq.var. = ?

DNA(specification)—
GALK2 gene;
sequence variation
name of component: galactokinase 2
[NPU33307](#)
DNA(spec.)—GALK2 gene; seq.var. = ?

DNA(specification)—
GALNS gene;
sequence variation
name of component: galactosamine (N-acetyl)-6-sulfate sulfatase (Morquio syndrome, mucopolysaccharidosis type IVA)
[NPU19089](#)
DNA(spec.)—GALNS gene; seq.var. = ?

DNA(specification)—
GALNT1 gene;
sequence variation
name of component: UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglactosaminyltransferase 1 (GalNAc-T1)
[NPU33308](#)
DNA(spec.)—GALNT1 gene; seq.var. = ?

DNA(specification)—
GALNT10 gene;
sequence variation
name of component: UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglactosaminyltransferase 10 (GalNAc-T10)
[NPU47292](#)
DNA(spec.)—GALNT10 gene; seq.var. = ?

DNA(specification)—
GALNT11 gene;
sequence variation
name of component: UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglactosaminyltransferase 11 (GalNAc-T11)
[NPU47294](#)
DNA(spec.)—GALNT11 gene; seq.var. = ?

DNA(specification)—**GALNT12 gene;****sequence variation**

name of component: UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 12 (GalNAc-T12)

[NPU47296](#)

DNA(spec.)—GALNT12 gene; seq.var. = ?

DNA(specification)—**GALNT2 gene;****sequence variation**

name of component: UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 2 (GalNAc-T2)

[NPU33309](#)

DNA(spec.)—GALNT2 gene; seq.var. = ?

DNA(specification)—**GALNT3 gene;****sequence variation**

name of component: UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 3 (GalNAc-T3)

[NPU33310](#)

DNA(spec.)—GALNT3 gene; seq.var. = ?

DNA(specification)—**GALNT4 gene;****sequence variation**

name of component: UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 4 (GalNAc-T4)

[NPU33311](#)

DNA(spec.)—GALNT4 gene; seq.var. = ?

DNA(specification)—**GALNT5 gene;****sequence variation**

name of component: UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 5 (GalNAc-T5)

[NPU33312](#)

DNA(spec.)—GALNT5 gene; seq.var. = ?

DNA(specification)—**GALNT6 gene;****sequence variation**

name of component: UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 6 (GalNAc-T6)

[NPU33313](#)

DNA(spec.)—GALNT6 gene; seq.var. = ?

DNA(specification)—**GALNT7 gene;****sequence variation**

name of component: UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 7 (GalNAc-T7)

[NPU33314](#)

DNA(spec.)—GALNT7 gene; seq.var. = ?

DNA(specification)—**GALNT8 gene;****sequence variation**

name of component: UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 8 (GalNAc-T8)

[NPU33315](#)

DNA(spec.)—GALNT8 gene; seq.var. = ?

DNA(specification)—**GALNT9 gene;****sequence variation**

name of component: UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 9 (GalNAc-T9)

[NPU33316](#)

DNA(spec.)—GALNT9 gene; seq.var. = ?

DNA(specification)—**GALR1 gene;****sequence variation**

name of component: galanin receptor 1

[NPU33317](#)

DNA(spec.)—GALR1 gene; seq.var. = ?

DNA(specification)—**GALR2 gene;****sequence variation**

name of component: galanin receptor 2

[NPU33318](#)

DNA(spec.)—GALR2 gene; seq.var. = ?

DNA(specification)—**GALR3 gene;****sequence variation**

name of component: galanin receptor 3

[NPU33319](#)

DNA(spec.)—GALR3 gene; seq.var. = ?

DNA(specification)—**GALT gene;****sequence variation**

name of component: galactose-1-phosphate uridylyltransferase

[NPU19090](#)

DNA(spec.)—GALT gene; seq.var. = ?

DNA(specification)—**GALT gene(MIM230400.0006);****entitic number(0 1 2)****NPU19290**

DNA(spec.)—GALT gene(MIM230400.0006);

entitic num.(0 1 2) = ?

DNA(specification)—**GAMT gene;****sequence variation**

name of component: guanidinoacetate N-methyltransferase

[NPU33320](#)

DNA(spec.)—GAMT gene; seq.var. = ?

DNA(specification)—**GAN gene;****sequence variation**

name of component: giant axonal neuropathy (gigaxonin)

[NPU33321](#)

DNA(spec.)—GAN gene; seq.var. = ?

DNA(specification)—**GANAB gene;****sequence variation**

name of component: glucosidase, alpha; neutral AB

[NPU33322](#)

DNA(spec.)—GANAB gene; seq.var. = ?

DNA(specification)—**GANC gene;****sequence variation**

name of component: glucosidase, alpha; neutral C

[NPU33323](#)

DNA(spec.)—GANC gene; seq.var. = ?

DNA(specification)—**GAP43 gene;****sequence variation**

name of component: growth associated protein 43

[NPU33324](#)

DNA(spec.)—GAP43 gene; seq.var. = ?

DNA(specification)—**GAPD gene;****sequence variation**

name of component: glyceraldehyde-3-phosphate dehydrogenase

[NPU33325](#)

DNA(spec.)—GAPD gene; seq.var. = ?

DNA(specification)—**GAPDL1 gene;****sequence variation**

name of component: glyceraldehyde-3-phosphate dehydrogenase-like 1

[NPU33326](#)

DNA(spec.)—GAPDL1 gene; seq.var. = ?

DNA(specification)—**GAPDL10 gene;****sequence variation**

name of component: glyceraldehyde-3-phosphate dehydrogenase-like 10

[NPU33327](#)

DNA(spec.)—GAPDL10 gene; seq.var. = ?

DNA(specification)—**GAPDL11 gene;****sequence variation**

name of component: glyceraldehyde-3-phosphate dehydrogenase-like 11

[NPU33328](#)

DNA(spec.)—GAPDL11 gene; seq.var. = ?

DNA(specification)—**GAPDL12 gene;****sequence variation**

name of component: glyceraldehyde-3-phosphate dehydrogenase-like 12

[NPU33329](#)

DNA(spec.)—GAPDL12 gene; seq.var. = ?

DNA(specification)—**GAPDL13 gene;****sequence variation**

name of component: glyceraldehyde-3-phosphate dehydrogenase-like 13

[NPU33330](#)

DNA(spec.)—GAPDL13 gene; seq.var. = ?

DNA(specification)—**GAPDL14 gene;****sequence variation**

name of component: glyceraldehyde-3-phosphate dehydrogenase-like 14

[NPU33331](#)

DNA(spec.)—GAPDL14 gene; seq.var. = ?

DNA(specification)—**GAPDL15 gene;****sequence variation**

name of component: glyceraldehyde-3-phosphate dehydrogenase-like 15

[NPU33332](#)

DNA(spec.)—GAPDL15 gene; seq.var. = ?

DNA(specification)—**GAPDL16 gene;****sequence variation**

name of component: glyceraldehyde-3-phosphate dehydrogenase-like 16

[NPU33333](#)

DNA(spec.)—GAPDL16 gene; seq.var. = ?

DNA(specification)—**GAPDL17 gene;****sequence variation**

name of component: glyceraldehyde-3-phosphate dehydrogenase-like 17

[NPU33334](#)

DNA(spec.)—GAPDL17 gene; seq.var. = ?

DNA(specification)—**GAPDL2 gene;****sequence variation**

name of component: glyceraldehyde-3-phosphate dehydrogenase-like 2

[NPU33335](#)

DNA(spec.)—GAPDL2 gene; seq.var. = ?

DNA(specification)—**GAPDL3 gene;****sequence variation**

name of component: glyceraldehyde-3-phosphate dehydrogenase-like 3

[NPU33336](#)

DNA(spec.)—GAPDL3 gene; seq.var. = ?

DNA(specification)—**GAPDL4 gene;****sequence variation**

name of component: glyceraldehyde-3-phosphate dehydrogenase-like 4

[NPU33337](#)

DNA(spec.)—GAPDL4 gene; seq.var. = ?

DNA(specification)—**GAPDL6 gene;****sequence variation**

name of component: glyceraldehyde-3-phosphate dehydrogenase-like 6

[NPU33338](#)

DNA(spec.)—GAPDL6 gene; seq.var. = ?

DNA(specification)—**GAPDL7 gene;****sequence variation**

name of component: glyceraldehyde-3-phosphate dehydrogenase-like 7

[NPU33339](#)

DNA(spec.)—GAPDL7 gene; seq.var. = ?

DNA(specification)—**GAPDL8 gene;****sequence variation**

name of component: glyceraldehyde-3-phosphate dehydrogenase-like 8

[NPU33340](#)

DNA(spec.)—GAPDL8 gene; seq.var. = ?

DNA(specification)—**GAPDL9 gene;****sequence variation**

name of component: glyceraldehyde-3-phosphate dehydrogenase-like 9

[NPU33341](#)

DNA(spec.)—GAPDL9 gene; seq.var. = ?

DNA(specification)—**GAPDP1 gene;****sequence variation**

name of component: glyceraldehyde-3-phosphate dehydrogenase pseudogene 1

[NPU33342](#)

DNA(spec.)—GAPDP1 gene; seq.var. = ?

DNA(specification)—**GAPDP14 gene;****sequence variation**

name of component: glyceraldehyde-3-phosphate dehydrogenase pseudogene 14

[NPU33343](#)

DNA(spec.)—GAPDP14 gene; seq.var. = ?

DNA(specification)—**GAPDP2 gene;****sequence variation**

name of component: glyceraldehyde-3-phosphate dehydrogenase pseudogene 2

[NPU44558](#)

DNA(spec.)—GAPDP2 gene; seq.var. = ?

DNA(specification)—**GARP gene;****sequence variation**

name of component: glycoprotein A repetitions predominant

[NPU33344](#)

DNA(spec.)—GARP gene; seq.var. = ?

DNA(specification)—**GARS gene;****sequence variation**

name of component: glycyl-tRNA synthetase

[NPU33345](#)

DNA(spec.)—GARS gene; seq.var. = ?

DNA(specification)—**GART gene;****sequence variation**

name of component: phosphoribosylglycinamide formyltransferase, phosphoribosylglycinamide synthetase, phosphoribosylaminoimidazole synthetase

[NPU33346](#)

DNA(spec.)—GART gene; seq.var. = ?

DNA(specification)—**GAS gene;****sequence variation**

name of component: gastrin

[NPU33347](#)

DNA(spec.)—GAS gene; seq.var. = ?

DNA(specification)—**GAS1 gene;****sequence variation**

name of component: growth arrest-specific 1

[NPU33348](#)

DNA(spec.)—GAS1 gene; seq.var. = ?

DNA(specification)—**GAS2 gene;****sequence variation**

name of component: growth arrest-specific 2

[NPU33350](#)

DNA(spec.)—GAS2 gene; seq.var. = ?

DNA(specification)—**GAS2L1 gene;****sequence variation**

name of component: growth arrest-specific 2 like 1

[NPU44791](#)

DNA(spec.)—GAS2L1 gene; seq.var. = ?

DNA(specification)—**GAS5 gene;****sequence variation**

name of component: growth arrest-specific 5

[NPU44371](#)

DNA(spec.)—GAS5 gene; seq.var. = ?

DNA(specification)—**GAS6 gene;****sequence variation**

name of component: growth arrest-specific 6

[NPU33351](#)

DNA(spec.)—GAS6 gene; seq.var. = ?

DNA(specification)—**GAS7 gene;****sequence variation**

name of component: growth arrest-specific 7

[NPU33352](#)

DNA(spec.)—GAS7 gene; seq.var. = ?

DNA(specification)—**GAS8 gene;****sequence variation**

name of component: growth arrest-specific 8

[NPU33349](#)

DNA(spec.)—GAS8 gene; seq.var. = ?

DNA(specification)—**GATA1 gene;****sequence variation**name of component: GATA binding protein 1
(globin transcription factor 1)[NPU33353](#)

DNA(spec.)—GATA1 gene; seq.var. = ?

DNA(specification)—**GATA2 gene;****sequence variation**

name of component: GATA binding protein 2

[NPU33354](#)

DNA(spec.)—GATA2 gene; seq.var. = ?

DNA(specification)—**GATA3 gene;****sequence variation**

name of component: GATA binding protein 3

[NPU33355](#)

DNA(spec.)—GATA3 gene; seq.var. = ?

DNA(specification)—**GATA4 gene;****sequence variation**

name of component: GATA binding protein 4

[NPU33356](#)

DNA(spec.)—GATA4 gene; seq.var. = ?

DNA(specification)—**GATA5 gene;****sequence variation**

name of component: GATA binding protein 5

[NPU43909](#)

DNA(spec.)—GATA5 gene; seq.var. = ?

DNA(specification)—**GATA6 gene;****sequence variation**

name of component: GATA binding protein 6

[NPU33357](#)

DNA(spec.)—GATA6 gene; seq.var. = ?

DNA(specification)—**GATM gene;****sequence variation**name of component: glycine amidinotransferase
(L-arginine:glycine amidinotransferase)[NPU33358](#)

DNA(spec.)—GATM gene; seq.var. = ?

DNA(specification)—**GBA gene;****sequence variation**name of component: glucosidase, beta; acid (in-
cludes glucosylceramidase)[NPU19091](#)

DNA(spec.)—GBA gene; seq.var. = ?

DNA(specification)—**GBA2 gene;****sequence variation**

name of component: glucosidase, beta (bile acid) 2

[NPU46803](#)

DNA(spec.)—GBA2 gene; seq.var. = ?

DNA(specification)—**GBA3 gene;****sequence variation**

name of component: glucosidase, beta, acid 3 (cytosolic)

[NPU46838](#)

DNA(spec.)—GBA3 gene; seq.var. = ?

DNA(specification)—**GBAP gene;****sequence variation**

name of component: glucosidase, beta; acid, pseudogene

[NPU33359](#)

DNA(spec.)—GBAP gene; seq.var. = ?

DNA(specification)—**GBAS gene;****sequence variation**

name of component: glioblastoma amplified sequence

[NPU33360](#)

DNA(spec.)—GBAS gene; seq.var. = ?

DNA(specification)—**GBE1 gene;****sequence variation**

name of component: glucan (1,4-alpha-), branching enzyme 1 (glycogen branching enzyme, Andersen disease, glycogen storage disease type IV)

[NPU19092](#)

DNA(spec.)—GBE1 gene; seq.var. = ?

DNA(specification)—**GBF1 gene;****sequence variation**

name of component: golgi-specific brefeldin A resistance factor 1

[NPU33361](#)

DNA(spec.)—GBF1 gene; seq.var. = ?

DNA(specification)—**GBP1 gene;****sequence variation**

name of component: guanylate binding protein 1, interferon-inducible, 67 kDa

[NPU33362](#)

DNA(spec.)—GBP1 gene; seq.var. = ?

DNA(specification)—**GBP2 gene;****sequence variation**

name of component: guanylate binding protein 2, interferon-inducible

[NPU33363](#)

DNA(spec.)—GBP2 gene; seq.var. = ?

DNA(specification)—**GBP3 gene;****sequence variation**

name of component: guanylate binding protein 3

[NPU33364](#)

DNA(spec.)—GBP3 gene; seq.var. = ?

DNA(specification)—**GBX1 gene;****sequence variation**

name of component: gastrulation brain homeo box 1

[NPU33365](#)

DNA(spec.)—GBX1 gene; seq.var. = ?

DNA(specification)—**GBX2 gene;****sequence variation**

name of component: gastrulation brain homeo box 2

[NPU33366](#)

DNA(spec.)—GBX2 gene; seq.var. = ?

DNA(specification)—**GC gene;****sequence variation**

name of component: group-specific component (vitamin D binding protein)

[NPU33367](#)

DNA(spec.)—GC gene; seq.var. = ?

DNA(specification)—**GCA gene;****sequence variation**

name of component: grancalcin, EF-hand calcium binding protein

[NPU44064](#)

DNA(spec.)—GCA gene; seq.var. = ?

DNA(specification)—**GCAT gene;****sequence variation**

name of component: glycine C-acetyltransferase (2-amino-3-ketobutyrate coenzyme A ligase)

[NPU33368](#)

DNA(spec.)—GCAT gene; seq.var. = ?

DNA(specification)—
GCATP gene;
sequence variation
name of component: glycine C-acetyltransferase
pseudogene
[NPU47357](#)
DNA(spec.)—GCATP gene; seq.var. = ?

DNA(specification)—
GCC1 gene;
sequence variation
name of component: golgi coiled-coil 1
[NPU46859](#)
DNA(spec.)—GCC1 gene; seq.var. = ?

DNA(specification)—
GCDH gene;
sequence variation
name of component: glutaryl-Coenzyme A dehydrogenase
[NPU19093](#)
DNA(spec.)—GCDH gene; seq.var. = ?

DNA(specification)—
GCET2 gene;
sequence variation
name of component: germinal center expressed transcript 2
[NPU47517](#)
DNA(spec.)—GCET2 gene; seq.var. = ?

DNA(specification)—
GCF1 gene;
sequence variation
name of component: growth control factor 1
[NPU33369](#)
DNA(spec.)—GCF1 gene; seq.var. = ?

DNA(specification)—
GCG gene;
sequence variation
name of component: glucagon
[NPU33370](#)
DNA(spec.)—GCG gene; seq.var. = ?

DNA(specification)—
GCGR gene;
sequence variation
name of component: glucagon receptor
[NPU33371](#)
DNA(spec.)—GCGR gene; seq.var. = ?

DNA(specification)—
GCH1 gene;
sequence variation
name of component: GTP cyclohydrolase 1 (dopa-responsive dystonia)
[NPU19250](#)
DNA(spec.)—GCH1 gene; seq.var. = ?

DNA(specification)—
GCHFR gene;
sequence variation
name of component: GTP cyclohydrolase I feedback regulatory protein
[NPU33372](#)
DNA(spec.)—GCHFR gene; seq.var. = ?

DNA(specification)—
GCK gene;
sequence variation
name of component: glucokinase (hexokinase 4, maturity onset diabetes of the young 2)
[NPU19234](#)
DNA(spec.)—GCK gene; seq.var. = ?

DNA(specification)—
GCKR gene;
sequence variation
name of component: glucokinase (hexokinase 4) regulatory protein
[NPU33373](#)
DNA(spec.)—GCKR gene; seq.var. = ?

DNA(specification)—
GCLC gene;
sequence variation
name of component: glutamate-cysteine ligase, catalytic subunit
[NPU33465](#)
DNA(spec.)—GCLC gene; seq.var. = ?

DNA(specification)—
GCLM gene;
sequence variation
name of component: glutamate-cysteine ligase, modifier subunit
[NPU33466](#)
DNA(spec.)—GCLM gene; seq.var. = ?

DNA(specification)—
GCM1 gene;
sequence variation
name of component: glial cells missing homolog 1 (Drosophila)
[NPU33374](#)
DNA(spec.)—GCM1 gene; seq.var. = ?

DNA(specification)—
GCM2 gene;
sequence variation
name of component: glial cells missing homolog 2 (Drosophila)
[NPU33375](#)
DNA(spec.)—GCM2 gene; seq.var. = ?

DNA(specification)—**GCN1L1 gene;****sequence variation**

name of component: GCN1 general control of amino-acid synthesis 1-like 1 (yeast)

[NPU33376](#)

DNA(spec.)—GCN1L1 gene; seq.var. = ?

DNA(specification)—**GCN5L1 gene;****sequence variation**

name of component: GCN5 general control of amino-acid synthesis 5-like 1 (yeast)

[NPU33377](#)

DNA(spec.)—GCN5L1 gene; seq.var. = ?

DNA(specification)—**GCN5L2 gene;****sequence variation**

name of component: GCN5 general control of amino-acid synthesis 5-like 2 (yeast)

[NPU33378](#)

DNA(spec.)—GCN5L2 gene; seq.var. = ?

DNA(specification)—**GCNT1 gene;****sequence variation**

name of component: glucosaminyl (N-acetyl) transferase 1, core 2 (beta-1,6-N-acetylglucosaminyltransferase)

[NPU33379](#)

DNA(spec.)—GCNT1 gene; seq.var. = ?

DNA(specification)—**GCNT1P gene;****sequence variation**

name of component: glucosaminyl (N-acetyl) transferase 1, core 2 (beta-1,6-N-acetylglucosaminyltransferase) pseudogene

[NPU44513](#)

DNA(spec.)—GCNT1P gene; seq.var. = ?

DNA(specification)—**GCNT2 gene;****sequence variation**

name of component: glucosaminyl (N-acetyl) transferase 2, I-branching enzyme

[NPU33380](#)

DNA(spec.)—GCNT2 gene; seq.var. = ?

DNA(specification)—**GCNT3 gene;****sequence variation**

name of component: glucosaminyl (N-acetyl) transferase 3, mucin type

[NPU33381](#)

DNA(spec.)—GCNT3 gene; seq.var. = ?

DNA(specification)—**GCSH gene;****sequence variation**

name of component: glycine cleavage system protein H (aminomethyl carrier)

[NPU19094](#)

DNA(spec.)—GCSH gene; seq.var. = ?

DNA(specification)—**GCSL gene;****sequence variation**

name of component: glycine cleavage system protein L

[NPU33383](#)

DNA(spec.)—GCSL gene; seq.var. = ?

DNA(specification)—**GCTG gene;****sequence variation**

name of component: gamma-glutamylcyclotransferase

[NPU33384](#)

DNA(spec.)—GCTG gene; seq.var. = ?

DNA(specification)—**GCY gene;****sequence variation**

name of component: growth control, Y chromosome influenced

[NPU33385](#)

DNA(spec.)—GCY gene; seq.var. = ?

DNA(specification)—**GDA gene;****sequence variation**

name of component: guanine deaminase

[NPU33386](#)

DNA(spec.)—GDA gene; seq.var. = ?

DNA(specification)—**GDAP1 gene;****sequence variation**

name of component: ganglioside-induced differentiation-associated protein 1

[NPU44046](#)

DNA(spec.)—GDAP1 gene; seq.var. = ?

DNA(specification)—**GDAP1L1 gene;****sequence variation**

name of component: ganglioside-induced differentiation-associated protein 1-like 1

[NPU33387](#)

DNA(spec.)—GDAP1L1 gene; seq.var. = ?

DNA(specification)—**GDP2 gene;****sequence variation**

name of component: ganglioside induced differentiation associated protein 2

[NPU46226](#)

DNA(spec.)—GDP2 gene; seq.var. = ?

DNA(specification)—**GDF1 gene;****sequence variation**

name of component: growth differentiation factor 1

[NPU33388](#)

DNA(spec.)—GDF1 gene; seq.var. = ?

DNA(specification)—**GDF10 gene;****sequence variation**

name of component: growth differentiation factor 10

[NPU33389](#)

DNA(spec.)—GDF10 gene; seq.var. = ?

DNA(specification)—**GDF11 gene;****sequence variation**

name of component: growth differentiation factor 11

[NPU33390](#)

DNA(spec.)—GDF11 gene; seq.var. = ?

DNA(specification)—**GDF2 gene;****sequence variation**

name of component: growth differentiation factor 2

[NPU33391](#)

DNA(spec.)—GDF2 gene; seq.var. = ?

DNA(specification)—**GDF3 gene;****sequence variation**

name of component: growth differentiation factor 3

[NPU33392](#)

DNA(spec.)—GDF3 gene; seq.var. = ?

DNA(specification)—**GDF4 gene;****sequence variation**

name of component: growth differentiation factor 4

[NPU33393](#)

DNA(spec.)—GDF4 gene; seq.var. = ?

DNA(specification)—**GDF5 gene;****sequence variation**

name of component: growth differentiation factor 5 (cartilage-derived morphogenetic protein-1)

[NPU33394](#)

DNA(spec.)—GDF5 gene; seq.var. = ?

DNA(specification)—**GDF6 gene;****sequence variation**

name of component: growth differentiation factor 6

[NPU33395](#)

DNA(spec.)—GDF6 gene; seq.var. = ?

DNA(specification)—**GDF7 gene;****sequence variation**

name of component: growth differentiation factor 7

[NPU33396](#)

DNA(spec.)—GDF7 gene; seq.var. = ?

DNA(specification)—**GDF8 gene;****sequence variation**

name of component: growth differentiation factor 8

[NPU33397](#)

DNA(spec.)—GDF8 gene; seq.var. = ?

DNA(specification)—**GDF9 gene;****sequence variation**

name of component: growth differentiation factor 9

[NPU33398](#)

DNA(spec.)—GDF9 gene; seq.var. = ?

DNA(specification)—**GDH gene;****sequence variation**

name of component: glucose dehydrogenase

[NPU33399](#)

DNA(spec.)—GDH gene; seq.var. = ?

DNA(specification)—**GDI1 gene;****sequence variation**

name of component: GDP dissociation inhibitor 1

[NPU33400](#)

DNA(spec.)—GDI1 gene; seq.var. = ?

DNA(specification)—**GDI2 gene;****sequence variation**

name of component: GDP dissociation inhibitor 2

[NPU33401](#)

DNA(spec.)—GDI2 gene; seq.var. = ?

DNA(specification)—**GDI2P gene;****sequence variation**

name of component: GDP dissociation inhibitor 2 pseudogene

[NPU33402](#)

DNA(spec.)—GDI2P gene; seq.var. = ?

DNA(specification)—**GDNF gene;****sequence variation**

name of component: glial cell derived neurotrophic factor

[NPU33403](#)

DNA(spec.)—GDNF gene; seq.var. = ?

DNA(specification)—**GEM gene;****sequence variation**

name of component: GTP binding protein overexpressed in skeletal muscle

[NPU33404](#)

DNA(spec.)—GEM gene; seq.var. = ?

DNA(specification)—**GEMIN4 gene;****sequence variation**

name of component: gem (nuclear organelle) associated protein 4

[NPU43848](#)

DNA(spec.)—GEMIN4 gene; seq.var. = ?

DNA(specification)—**GEMIN5 gene;****sequence variation**

name of component: gem (nuclear organelle) associated protein 5

[NPU47384](#)

DNA(spec.)—GEMIN5 gene; seq.var. = ?

DNA(specification)—**GEMIN6 gene;****sequence variation**

name of component: gem (nuclear organelle) associated protein 6

[NPU47385](#)

DNA(spec.)—GEMIN6 gene; seq.var. = ?

DNA(specification)—**GEMIN7 gene;****sequence variation**

name of component: gem (nuclear organelle) associated protein 7

[NPU47386](#)

DNA(spec.)—GEMIN7 gene; seq.var. = ?

DNA(specification)—**GFAP gene;****sequence variation**

name of component: glial fibrillary acidic protein

[NPU33405](#)

DNA(spec.)—GFAP gene; seq.var. = ?

DNA(specification)—**GFER gene;****sequence variation**

name of component: growth factor, augments liver regeneration (ERV1 homolog, *S. cerevisiae*)

[NPU33406](#)

DNA(spec.)—GFER gene; seq.var. = ?

DNA(specification)—**GFI1 gene;****sequence variation**

name of component: growth factor independent 1

[NPU33407](#)

DNA(spec.)—GFI1 gene; seq.var. = ?

DNA(specification)—**GFI1B gene;****sequence variation**

name of component: growth factor independent 1B (potential regulator of CDKN1A, translocated in CML)

[NPU33408](#)

DNA(spec.)—GFI1B gene; seq.var. = ?

DNA(specification)—**GFI2 gene;****sequence variation**

name of component: growth factor independent 2

[NPU33409](#)

DNA(spec.)—GFI2 gene; seq.var. = ?

DNA(specification)—**GFOD1 gene;****sequence variation**

name of component: glucose-fructose oxidoreductase domain containing 1

[NPU47865](#)

DNA(spec.)—GFOD1 gene; seq.var. = ?

DNA(specification)—**GFPT1 gene;****sequence variation**

name of component: glutamine-fructose-6-phosphate transaminase 1

[NPU33410](#)

DNA(spec.)—GFPT1 gene; seq.var. = ?

DNA(specification)—**GFPT2 gene;****sequence variation**

name of component: glutamine-fructose-6-phosphate transaminase 2

[NPU33411](#)

DNA(spec.)—GFPT2 gene; seq.var. = ?

DNA(specification)—**GFRA1 gene;****sequence variation**

name of component: GDNF family receptor alpha 1

[NPU33412](#)

DNA(spec.)—GFRA1 gene; seq.var. = ?

DNA(specification)—**GFRA2 gene;****sequence variation**

name of component: GDNF family receptor alpha 2

[NPU33413](#)

DNA(spec.)—GFRA2 gene; seq.var. = ?

DNA(specification)—**GFRA3 gene;****sequence variation**

name of component: GDNF family receptor alpha 3

[NPU33414](#)

DNA(spec.)—GFRA3 gene; seq.var. = ?

DNA(specification)—**GFRA4 gene;****sequence variation**

name of component: GDNF family receptor alpha 4

[NPU42342](#)

DNA(spec.)—GFRA4 gene; seq.var. = ?

DNA(specification)—**GGA1 gene;****sequence variation**

name of component: golgi associated, gamma adaptin ear containing, ARF binding protein 1

[NPU46139](#)

DNA(spec.)—GGA1 gene; seq.var. = ?

DNA(specification)—**GGA2 gene;****sequence variation**

name of component: golgi associated, gamma adaptin ear containing, ARF binding protein 2

[NPU44118](#)

DNA(spec.)—GGA2 gene; seq.var. = ?

DNA(specification)—**GGA3 gene;****sequence variation**

name of component: golgi associated, gamma adaptin ear containing, ARF binding protein 3

[NPU44840](#)

DNA(spec.)—GGA3 gene; seq.var. = ?

DNA(specification)—**GGCX gene;****sequence variation**

name of component: gamma-glutamyl carboxylase

[NPU33415](#)

DNA(spec.)—GGCX gene; seq.var. = ?

DNA(specification)—**GGH gene;****sequence variation**

name of component: gamma-glutamyl hydrolase (conjugase, folylpolygamaglutamyl hydrolase)

[NPU33416](#)

DNA(spec.)—GGH gene; seq.var. = ?

DNA(specification)—**GGPS1 gene;****sequence variation**

name of component: geranylgeranyl diphosphate synthase 1

[NPU33417](#)

DNA(spec.)—GGPS1 gene; seq.var. = ?

DNA(specification)—**GGT1 gene;****sequence variation**

name of component: gamma-glutamyltransferase 1

[NPU33418](#)

DNA(spec.)—GGT1 gene; seq.var. = ?

DNA(specification)—**GGT2 gene;****sequence variation**

name of component: gamma-glutamyltransferase 2

[NPU33419](#)

DNA(spec.)—GGT2 gene; seq.var. = ?

DNA(specification)—**GGT3 gene;****sequence variation**

name of component: gamma-glutamyltransferase 3

[NPU33420](#)

DNA(spec.)—GGT3 gene; seq.var. = ?

DNA(specification)—**GGTA1 gene;****sequence variation**

name of component: glycoprotein, alpha-galactosyltransferase 1

[NPU33421](#)

DNA(spec.)—GGTA1 gene; seq.var. = ?

DNA(specification)—**GGTA1P gene;****sequence variation**

name of component: glycoprotein, alpha-galactosyltransferase 1 pseudogene

[NPU33422](#)

DNA(spec.)—GGTA1P gene; seq.var. = ?

DNA(specification)—**GGTL1 gene;****sequence variation**

name of component: gamma-glutamyltransferase-like 1

[NPU33423](#)

DNA(spec.)—GGTL1 gene; seq.var. = ?

DNA(specification)—**GGTL2 gene;****sequence variation**

name of component: gamma-glutamyltransferase-like 2

[NPU33424](#)

DNA(spec.)—GGTL2 gene; seq.var. = ?

DNA(specification)—**GGTL3 gene;****sequence variation**

name of component: gamma-glutamyltransferase-like 3

[NPU33425](#)

DNA(spec.)—GGTL3 gene; seq.var. = ?

DNA(specification)—**GGTL4 gene;****sequence variation**

name of component: gamma-glutamyltransferase-like 4

[NPU46564](#)

DNA(spec.)—GGTL4 gene; seq.var. = ?

DNA(specification)—**GGTLA1 gene;****sequence variation**

name of component: gamma-glutamyltransferase-like activity 1

[NPU33426](#)

DNA(spec.)—GGTLA1 gene; seq.var. = ?

DNA(specification)—**GGTLA3 gene;****sequence variation**

name of component: gamma-glutamyltransferase-like activity 3

[NPU44435](#)

DNA(spec.)—GGTLA3 gene; seq.var. = ?

DNA(specification)—**GGTLA4 gene;****sequence variation**

name of component: gamma-glutamyltransferase-like activity 4

[NPU44436](#)

DNA(spec.)—GGTLA4 gene; seq.var. = ?

DNA(specification)—**GH1 gene;****sequence variation**

name of component: growth hormone 1

[NPU33427](#)

DNA(spec.)—GH1 gene; seq.var. = ?

DNA(specification)—**GH2 gene;****sequence variation**

name of component: growth hormone 2

[NPU33428](#)

DNA(spec.)—GH2 gene; seq.var. = ?

DNA(specification)—**GHITM gene;****sequence variation**

name of component: growth hormone inducible transmembrane protein

[NPU44952](#)

DNA(spec.)—GHITM gene; seq.var. = ?

DNA(specification)—**GHR gene;****sequence variation**

name of component: growth hormone receptor

[NPU33429](#)

DNA(spec.)—GHR gene; seq.var. = ?

DNA(specification)—**GHRH gene;****sequence variation**

name of component: growth hormone releasing hormone

[NPU33430](#)

DNA(spec.)—GHRH gene; seq.var. = ?

DNA(specification)—**GHRHR gene;****sequence variation**

name of component: growth hormone releasing hormone receptor

[NPU33431](#)

DNA(spec.)—GHRHR gene; seq.var. = ?

DNA(specification)—**GHSR gene;****sequence variation**

name of component: growth hormone secretagogue receptor

[NPU33432](#)

DNA(spec.)—GHSR gene; seq.var. = ?

DNA(specification)—**GIF gene;****sequence variation**

name of component: gastric intrinsic factor (vitamin B synthesis)

[NPU33433](#)

DNA(spec.)—GIF gene; seq.var. = ?

DNA(specification)—**GINGF2 gene;****sequence variation**

name of component: gingival fibromatosis, hereditary, 2

[NPU42619](#)

DNA(spec.)—GINGF2 gene; seq.var. = ?

DNA(specification)—**GIP gene;****sequence variation**

name of component: gastric inhibitory polypeptide

[NPU33434](#)

DNA(spec.)—GIP gene; seq.var. = ?

DNA(specification)—**GIPR gene;****sequence variation**

name of component: gastric inhibitory polypeptide receptor

[NPU33435](#)

DNA(spec.)—GIPR gene; seq.var. = ?

DNA(specification)—**GIT1 gene;****sequence variation**

name of component: G protein-coupled receptor kinase-interactor 1

[NPU33436](#)

DNA(spec.)—GIT1 gene; seq.var. = ?

DNA(specification)—**GIT2 gene;****sequence variation**

name of component: G protein-coupled receptor kinase-interactor 2

[NPU33437](#)

DNA(spec.)—GIT2 gene; seq.var. = ?

DNA(specification)—**GJA1 gene;****sequence variation**

name of component: gap junction protein, alpha 1, 43 kDa (connexin 43)

[NPU33438](#)

DNA(spec.)—GJA1 gene; seq.var. = ?

DNA(specification)—**GJA10 gene;****sequence variation**

name of component: gap junction protein, alpha 10, 59 kDa

[NPU46885](#)

DNA(spec.)—GJA10 gene; seq.var. = ?

DNA(specification)—**GJA12 gene;****sequence variation**

name of component: gap junction protein, alpha 12, 47 kDa

[NPU46036](#)

DNA(spec.)—GJA12 gene; seq.var. = ?

DNA(specification)—**GJA1P1 gene;****sequence variation**

name of component: gap junction protein, alpha 1, 43 kDa (connexin 43) pseudogene 1

[NPU33439](#)

DNA(spec.)—GJA1P1 gene; seq.var. = ?

DNA(specification)—**GJA2 gene;****sequence variation**

name of component: gap junction protein, alpha 2, 38 kDa (connexin 38)

[NPU33440](#)

DNA(spec.)—GJA2 gene; seq.var. = ?

DNA(specification)—**GJA3 gene;****sequence variation**

name of component: gap junction protein, alpha 3, 46 kDa (connexin 46)

[NPU33441](#)

DNA(spec.)—GJA3 gene; seq.var. = ?

DNA(specification)—**GJA4 gene;****sequence variation**

name of component: gap junction protein, alpha 4, 37 kDa (connexin 37)

[NPU33442](#)

DNA(spec.)—GJA4 gene; seq.var. = ?

DNA(specification)—**GJA5 gene;****sequence variation**

name of component: gap junction protein, alpha 5, 40 kDa (connexin 40)

[NPU33443](#)

DNA(spec.)—GJA5 gene; seq.var. = ?

DNA(specification)—**GJA7 gene;****sequence variation**

name of component: gap junction protein, alpha 7, 45 kDa (connexin 45)

[NPU33444](#)

DNA(spec.)—GJA7 gene; seq.var. = ?

DNA(specification)—**GJA8 gene;****sequence variation**

name of component: gap junction protein, alpha 8, 50 kDa (connexin 50)

[NPU33445](#)

DNA(spec.)—GJA8 gene; seq.var. = ?

DNA(specification)—**GJAL gene;****sequence variation**

name of component: gap junction protein, alpha-like

[NPU33446](#)

DNA(spec.)—GJAL gene; seq.var. = ?

DNA(specification)—**GJB1 gene;****sequence variation**

name of component: gap junction protein, beta 1, 32 kDa (connexin 32, Charcot-Marie-Tooth neuropathy, X-linked)

[NPU19096](#)

DNA(spec.)—GJB1 gene; seq.var. = ?

DNA(specification)—**GJB2 gene;****sequence variation**

name of component: gap junction protein, beta 2, 26 kDa (connexin 26)

[NPU19232](#)

DNA(spec.)—GJB2 gene; seq.var. = ?

DNA(specification)—**GJB3 gene;****sequence variation**

name of component: gap junction protein, beta 3, 31 kDa (connexin 31)

[NPU33447](#)

DNA(spec.)—GJB3 gene; seq.var. = ?

DNA(specification)—**GJB4 gene;****sequence variation**

name of component: gap junction protein, beta 4 (connexin 30.3)

[NPU33448](#)

DNA(spec.)—GJB4 gene; seq.var. = ?

DNA(specification)—**GJB5 gene;****sequence variation**

name of component: gap junction protein, beta 5 (connexin 31.1)

[NPU33449](#)

DNA(spec.)—GJB5 gene; seq.var. = ?

DNA(specification)—**GJB6 gene;****sequence variation**

name of component: gap junction protein, beta 6 (connexin 30)

[NPU33450](#)

DNA(spec.)—GJB6 gene; seq.var. = ?

DNA(specification)—**GJC1 gene;****sequence variation**

name of component: gap junction protein, chi 1, 31.9 kDa (connexin 31.9)

[NPU46884](#)

DNA(spec.)—GJC1 gene; seq.var. = ?

DNA(specification)—**GK gene;****sequence variation**

name of component: glycerol kinase

[NPU19247](#)

DNA(spec.)—GK gene; seq.var. = ?

DNA(specification)—**GK2 gene;****sequence variation**

name of component: glycerol kinase 2

[NPU33452](#)

DNA(spec.)—GK2 gene; seq.var. = ?

DNA(specification)—**GKP1 gene;****sequence variation**

name of component: glycerol kinase pseudogene 1

[NPU33451](#)

DNA(spec.)—GKP1 gene; seq.var. = ?

DNA(specification)—**GKP3 gene;****sequence variation**

name of component: glycerol kinase pseudogene 3

[NPU33453](#)

DNA(spec.)—GKP3 gene; seq.var. = ?

DNA(specification)—**GKP4 gene;****sequence variation**

name of component: glycerol kinase pseudogene 4

[NPU33454](#)

DNA(spec.)—GKP4 gene; seq.var. = ?

DNA(specification)—**GKP5 gene;****sequence variation**

name of component: glycerol kinase pseudogene 5

[NPU33455](#)

DNA(spec.)—GKP5 gene; seq.var. = ?

DNA(specification)—
GKP6 gene;
sequence variation
name of component: glycerol kinase pseudogene 6
[NPU33456](#)
DNA(spec.)—GKP6 gene; seq.var. = ?

DNA(specification)—
GLA gene;
sequence variation
name of component: galactosidase, alpha
[NPU19097](#)
DNA(spec.)—GLA gene; seq.var. = ?

DNA(specification)—
GLAT gene;
sequence variation
name of component: galactose enzyme activator
[NPU33457](#)
DNA(spec.)—GLAT gene; seq.var. = ?

DNA(specification)—
GLB1 gene;
sequence variation
name of component: galactosidase, beta 1
[NPU19098](#)
DNA(spec.)—GLB1 gene; seq.var. = ?

DNA(specification)—
GLC1B gene;
sequence variation
name of component: glaucoma 1, open angle, B (adult-onset)
[NPU33458](#)
DNA(spec.)—GLC1B gene; seq.var. = ?

DNA(specification)—
GLC1C gene;
sequence variation
name of component: glaucoma 1, open angle, C
[NPU33459](#)
DNA(spec.)—GLC1C gene; seq.var. = ?

DNA(specification)—
GLC1D gene;
sequence variation
name of component: glaucoma 1, open angle, D (adult-onset)
[NPU33460](#)
DNA(spec.)—GLC1D gene; seq.var. = ?

DNA(specification)—
GLC1E gene;
sequence variation
name of component: glaucoma 1, open angle, E (adult-onset)
[NPU33461](#)
DNA(spec.)—GLC1E gene; seq.var. = ?

DNA(specification)—
GLC1F gene;
sequence variation
name of component: glaucoma 1, open angle, F (adult-onset)
[NPU33462](#)
DNA(spec.)—GLC1F gene; seq.var. = ?

DNA(specification)—
GLC2A gene;
sequence variation
name of component: glaucoma 2, angle closure
[NPU33463](#)
DNA(spec.)—GLC2A gene; seq.var. = ?

DNA(specification)—
GLC3B gene;
sequence variation
name of component: glaucoma 3, primary infantile, B
[NPU33464](#)
DNA(spec.)—GLC3B gene; seq.var. = ?

DNA(specification)—
GLCCI1 gene;
sequence variation
name of component: glucocorticoid induced transcript 1
[NPU46636](#)
DNA(spec.)—GLCCI1 gene; seq.var. = ?

DNA(specification)—
GLDC gene;
sequence variation
name of component: glycine dehydrogenase (decarboxylating; glycine decarboxylase, glycine cleavage system protein P)
[NPU19095](#)
DNA(spec.)—GLDC gene; seq.var. = ?

DNA(specification)—
GLDCP gene;
sequence variation
name of component: glycine dehydrogenase (decarboxylase) pseudogene
[NPU33467](#)
DNA(spec.)—GLDCP gene; seq.var. = ?

DNA(specification)—
GLE1L gene;
sequence variation
name of component: GLE1 RNA export mediator-like (yeast)
[NPU33468](#)
DNA(spec.)—GLE1L gene; seq.var. = ?

DNA(specification)—**GLG1 gene;****sequence variation**

name of component: golgi apparatus protein 1

[NPU33469](#)

DNA(spec.)—GLG1 gene; seq.var. = ?

DNA(specification)—**GLI gene;****sequence variation**

name of component: glioma-associated oncogene homolog (zinc finger protein)

[NPU33470](#)

DNA(spec.)—GLI gene; seq.var. = ?

DNA(specification)—**GLI2 gene;****sequence variation**

name of component: GLI-Kruppel family member GLI2

[NPU33471](#)

DNA(spec.)—GLI2 gene; seq.var. = ?

DNA(specification)—**GLI3 gene;****sequence variation**

name of component: GLI-Kruppel family member GLI3 (Greig cephalopolysyndactyly syndrome)

[NPU33472](#)

DNA(spec.)—GLI3 gene; seq.var. = ?

DNA(specification)—**GLI4 gene;****sequence variation**

name of component: GLI-Kruppel family member GLI4

[NPU33473](#)

DNA(spec.)—GLI4 gene; seq.var. = ?

DNA(specification)—**GLIPR1 gene;****sequence variation**

name of component: GLI pathogenesis-related 1 (glioma)

[NPU44806](#)

DNA(spec.)—GLIPR1 gene; seq.var. = ?

DNA(specification)—**GLO1 gene;****sequence variation**

name of component: glyoxalase I

[NPU33474](#)

DNA(spec.)—GLO1 gene; seq.var. = ?

DNA(specification)—**GLP1R gene;****sequence variation**

name of component: glucagon-like peptide 1 receptor

[NPU33475](#)

DNA(spec.)—GLP1R gene; seq.var. = ?

DNA(specification)—**GLP2R gene;****sequence variation**

name of component: glucagon-like peptide 2 receptor

[NPU33476](#)

DNA(spec.)—GLP2R gene; seq.var. = ?

DNA(specification)—**GLRA1 gene;****sequence variation**

name of component: glycine receptor, alpha 1 (startle disease/hyperekplexia, stiff man syndrome)

[NPU33477](#)

DNA(spec.)—GLRA1 gene; seq.var. = ?

DNA(specification)—**GLRA2 gene;****sequence variation**

name of component: glycine receptor, alpha 2

[NPU33478](#)

DNA(spec.)—GLRA2 gene; seq.var. = ?

DNA(specification)—**GLRA3 gene;****sequence variation**

name of component: glycine receptor, alpha 3

[NPU33479](#)

DNA(spec.)—GLRA3 gene; seq.var. = ?

DNA(specification)—**GLRB gene;****sequence variation**

name of component: glycine receptor, beta

[NPU33480](#)

DNA(spec.)—GLRB gene; seq.var. = ?

DNA(specification)—**GLRX gene;****sequence variation**

name of component: glutaredoxin (thioltransferase)

[NPU33481](#)

DNA(spec.)—GLRX gene; seq.var. = ?

DNA(specification)—**GLRX2 gene;****sequence variation**

name of component: glutaredoxin 2

[NPU44119](#)

DNA(spec.)—GLRX2 gene; seq.var. = ?

DNA(specification)—
GLRXP gene;
sequence variation
name of component: glutaredoxin (thioltransferase)
pseudogene
[NPU44525](#)
DNA(spec.)—GLRXP gene; seq.var. = ?

DNA(specification)—
GLRXP2 gene;
sequence variation
name of component: glutaredoxin pseudogene 2
[NPU46434](#)
DNA(spec.)—GLRXP2 gene; seq.var. = ?

DNA(specification)—
GLS gene;
sequence variation
name of component: glutaminase
[NPU33482](#)
DNA(spec.)—GLS gene; seq.var. = ?

DNA(specification)—
GLTSCR1 gene;
sequence variation
name of component: glioma tumor suppressor candidate region gene 1
[NPU33483](#)
DNA(spec.)—GLTSCR1 gene; seq.var. = ?

DNA(specification)—
GLTSCR2 gene;
sequence variation
name of component: glioma tumor suppressor candidate region gene 2
[NPU33484](#)
DNA(spec.)—GLTSCR2 gene; seq.var. = ?

DNA(specification)—
GLUD1 gene;
sequence variation
name of component: glutamate dehydrogenase 1
[NPU19235](#)
DNA(spec.)—GLUD1 gene; seq.var. = ?

DNA(specification)—
GLUD2 gene;
sequence variation
name of component: glutamate dehydrogenase 2
[NPU33485](#)
DNA(spec.)—GLUD2 gene; seq.var. = ?

DNA(specification)—
GLUDP2 gene;
sequence variation
name of component: glutamate dehydrogenase pseudogene 2
[NPU33486](#)
DNA(spec.)—GLUDP2 gene; seq.var. = ?

DNA(specification)—
GLUDP3 gene;
sequence variation
name of component: glutamate dehydrogenase pseudogene 3
[NPU33487](#)
DNA(spec.)—GLUDP3 gene; seq.var. = ?

DNA(specification)—
GLUDP4 gene;
sequence variation
name of component: glutamate dehydrogenase pseudogene 4
[NPU33488](#)
DNA(spec.)—GLUDP4 gene; seq.var. = ?

DNA(specification)—
GLUDP5 gene;
sequence variation
name of component: glutamate dehydrogenase pseudogene 5
[NPU33489](#)
DNA(spec.)—GLUDP5 gene; seq.var. = ?

DNA(specification)—
GLUL gene;
sequence variation
name of component: glutamate-ammonia ligase (glutamine synthase)
[NPU33490](#)
DNA(spec.)—GLUL gene; seq.var. = ?

DNA(specification)—
GLULD1 gene;
sequence variation
name of component: glutamate-ammonia ligase (glutamine synthase) domain containing 1
[NPU47830](#)
DNA(spec.)—GLULD1 gene; seq.var. = ?

DNA(specification)—
GLULL1 gene;
sequence variation
name of component: glutamate-ammonia ligase (glutamine synthase)-like 1
[NPU33491](#)
DNA(spec.)—GLULL1 gene; seq.var. = ?

DNA(specification)—
GLULL2 gene;
sequence variation
name of component: glutamate-ammonia ligase (glutamine synthase)-like 2
[NPU33492](#)
DNA(spec.)—GLULL2 gene; seq.var. = ?

DNA(specification)—**GLULL3 gene;****sequence variation**

name of component: glutamate-ammonia ligase
(glutamine synthase)-like 3

[NPU33493](#)

DNA(spec.)—GLULL3 gene; seq.var. = ?

DNA(specification)—**GLULP gene;****sequence variation**

name of component: glutamate-ammonia ligase
(glutamine synthase) pseudogene

[NPU33494](#)

DNA(spec.)—GLULP gene; seq.var. = ?

DNA(specification)—**GLYAT gene;****sequence variation**

name of component: glycine-N-acyltransferase

[NPU42299](#)

DNA(spec.)—GLYAT gene; seq.var. = ?

DNA(specification)—**GLYB gene;****sequence variation**

name of component: glycine B complementing

[NPU33495](#)

DNA(spec.)—GLYB gene; seq.var. = ?

DNA(specification)—**GLYD gene;****sequence variation**

name of component: glycerate-2-dehydrogenase

[NPU33496](#)

DNA(spec.)—GLYD gene; seq.var. = ?

DNA(specification)—**GLYS1 gene;****sequence variation**

name of component: glycosuria 1, renal

[NPU33497](#)

DNA(spec.)—GLYS1 gene; seq.var. = ?

DNA(specification)—**GM2A gene;****sequence variation**

name of component: GM2 ganglioside activator
protein

[NPU33498](#)

DNA(spec.)—GM2A gene; seq.var. = ?

DNA(specification)—**GM2AP gene;****sequence variation**

name of component: GM2 ganglioside activator
protein pseudogene

[NPU33499](#)

DNA(spec.)—GM2AP gene; seq.var. = ?

DNA(specification)—**GMDS gene;****sequence variation**

name of component: GDP-mannose 4,6-
dehydratase

[NPU33500](#)

DNA(spec.)—GMDS gene; seq.var. = ?

DNA(specification)—**GMEB1 gene;****sequence variation**

name of component: glucocorticoid modulatory
element binding protein 1

[NPU33501](#)

DNA(spec.)—GMEB1 gene; seq.var. = ?

DNA(specification)—**GMEB2 gene;****sequence variation**

name of component: glucocorticoid modulatory
element binding protein 2

[NPU33502](#)

DNA(spec.)—GMEB2 gene; seq.var. = ?

DNA(specification)—**GMFA gene;****sequence variation**

name of component: glia maturation factor, alpha

[NPU33503](#)

DNA(spec.)—GMFA gene; seq.var. = ?

DNA(specification)—**GMFB gene;****sequence variation**

name of component: glia maturation factor, beta

[NPU33504](#)

DNA(spec.)—GMFB gene; seq.var. = ?

DNA(specification)—**GMFG gene;****sequence variation**

name of component: glia maturation factor, gamma

[NPU33505](#)

DNA(spec.)—GMFG gene; seq.var. = ?

DNA(specification)—**GML gene;****sequence variation**

name of component: GPI anchored molecule like
protein

[NPU33506](#)

DNA(spec.)—GML gene; seq.var. = ?

DNA(specification)—**GMNN gene;****sequence variation**

name of component: geminin, DNA replication
inhibitor

[NPU46035](#)

DNA(spec.)—GMNN gene; seq.var. = ?

DNA(specification)—**GMPR gene;****sequence variation**

name of component: guanosine monophosphate reductase

[NPU33507](#)

DNA(spec.)—GMPR gene; seq.var. = ?

DNA(specification)—**GMPR2 gene;****sequence variation**

name of component: guanosine monophosphate reductase 2

[NPU33508](#)

DNA(spec.)—GMPR2 gene; seq.var. = ?

DNA(specification)—**GMPS gene;****sequence variation**

name of component: guanine monphosphate synthetase

[NPU33509](#)

DNA(spec.)—GMPS gene; seq.var. = ?

DNA(specification)—**GNA11 gene;****sequence variation**

name of component: guanine nucleotide binding protein (G protein), alpha 11 (Gq class)

[NPU33510](#)

DNA(spec.)—GNA11 gene; seq.var. = ?

DNA(specification)—**GNA12 gene;****sequence variation**

name of component: guanine nucleotide binding protein (G protein) alpha 12

[NPU33511](#)

DNA(spec.)—GNA12 gene; seq.var. = ?

DNA(specification)—**GNA13 gene;****sequence variation**

name of component: guanine nucleotide binding protein (G protein), alpha 13

[NPU33512](#)

DNA(spec.)—GNA13 gene; seq.var. = ?

DNA(specification)—**GNA14 gene;****sequence variation**

name of component: guanine nucleotide binding protein (G protein), alpha 14

[NPU33513](#)

DNA(spec.)—GNA14 gene; seq.var. = ?

DNA(specification)—**GNA15 gene;****sequence variation**

name of component: guanine nucleotide binding protein (G protein), alpha 15 (Gq class)

[NPU33514](#)

DNA(spec.)—GNA15 gene; seq.var. = ?

DNA(specification)—**GNAI1 gene;****sequence variation**

name of component: guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 1

[NPU33515](#)

DNA(spec.)—GNAI1 gene; seq.var. = ?

DNA(specification)—**GNAI2 gene;****sequence variation**

name of component: guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2

[NPU33516](#)

DNA(spec.)—GNAI2 gene; seq.var. = ?

DNA(specification)—**GNAI2L gene;****sequence variation**

name of component: guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2-like

[NPU33517](#)

DNA(spec.)—GNAI2L gene; seq.var. = ?

DNA(specification)—**GNAI3 gene;****sequence variation**

name of component: guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3

[NPU33518](#)

DNA(spec.)—GNAI3 gene; seq.var. = ?

DNA(specification)—**GNAL gene;****sequence variation**

name of component: guanine nucleotide binding protein (G protein), alpha activating activity polypeptide, olfactory type

[NPU33519](#)

DNA(spec.)—GNAL gene; seq.var. = ?

DNA(specification)—**GNAO1 gene;****sequence variation**

name of component: guanine nucleotide binding protein (G protein), alpha activating activity polypeptide O

[NPU33520](#)

DNA(spec.)—GNAO1 gene; seq.var. = ?

DNA(specification)—**GNAQ gene;****sequence variation**

name of component: guanine nucleotide binding protein (G protein), q polypeptide

[NPU33521](#)

DNA(spec.)—GNAQ gene; seq.var. = ?

DNA(specification)—**GNAQP gene;****sequence variation**

name of component: guanine nucleotide binding protein (G protein), q polypeptide pseudogene

[NPU33522](#)

DNA(spec.)—GNAQP gene; seq.var. = ?

DNA(specification)—**GNAS gene;****sequence variation**

name of component: GNAS complex locus

[NPU33523](#)

DNA(spec.)—GNAS gene; seq.var. = ?

DNA(specification)—**GNAT1 gene;****sequence variation**

name of component: guanine nucleotide binding protein (G protein), alpha transducing activity polypeptide 1

[NPU33524](#)

DNA(spec.)—GNAT1 gene; seq.var. = ?

DNA(specification)—**GNAT2 gene;****sequence variation**

name of component: guanine nucleotide binding protein (G protein), alpha transducing activity polypeptide 2

[NPU33525](#)

DNA(spec.)—GNAT2 gene; seq.var. = ?

DNA(specification)—**GNAZ gene;****sequence variation**

name of component: guanine nucleotide binding protein (G protein), alpha z polypeptide

[NPU33526](#)

DNA(spec.)—GNAZ gene; seq.var. = ?

DNA(specification)—**GNB1 gene;****sequence variation**

name of component: guanine nucleotide binding protein (G protein), beta polypeptide 1

[NPU33527](#)

DNA(spec.)—GNB1 gene; seq.var. = ?

DNA(specification)—**GNB1L gene;****sequence variation**

name of component: guanine nucleotide binding protein (G protein), beta polypeptide 1-like

[NPU33528](#)

DNA(spec.)—GNB1L gene; seq.var. = ?

DNA(specification)—**GNB2 gene;****sequence variation**

name of component: guanine nucleotide binding protein (G protein), beta polypeptide 2

[NPU33529](#)

DNA(spec.)—GNB2 gene; seq.var. = ?

DNA(specification)—**GNB2L1 gene;****sequence variation**

name of component: guanine nucleotide binding protein (G protein), beta polypeptide 2-like 1

[NPU33530](#)

DNA(spec.)—GNB2L1 gene; seq.var. = ?

DNA(specification)—**GNB3 gene;****sequence variation**

name of component: guanine nucleotide binding protein (G protein), beta polypeptide 3

[NPU33531](#)

DNA(spec.)—GNB3 gene; seq.var. = ?

DNA(specification)—**GNB4 gene;****sequence variation**

name of component: guanine nucleotide binding protein (G protein), beta polypeptide 4

[NPU47739](#)

DNA(spec.)—GNB4 gene; seq.var. = ?

DNA(specification)—**GNB5 gene;****sequence variation**

name of component: guanine nucleotide binding protein (G protein), beta 5

[NPU33532](#)

DNA(spec.)—GNB5 gene; seq.var. = ?

DNA(specification)—**GNG10 gene;****sequence variation**

name of component: guanine nucleotide binding protein (G protein), gamma 10

[NPU33533](#)

DNA(spec.)—GNG10 gene; seq.var. = ?

DNA(specification)—**GNG11 gene;****sequence variation**

name of component: guanine nucleotide binding protein (G protein), gamma 11

[NPU33534](#)

DNA(spec.)—GNG11 gene; seq.var. = ?

DNA(specification)—**GNG12 gene;****sequence variation**

name of component: guanine nucleotide binding protein (G protein), gamma 12

[NPU47136](#)

DNA(spec.)—GNG12 gene; seq.var. = ?

DNA(specification)—**GNG13 gene;****sequence variation**

name of component: guanine nucleotide binding protein (G protein), gamma 13

[NPU42528](#)

DNA(spec.)—GNG13 gene; seq.var. = ?

DNA(specification)—**GNG2 gene;****sequence variation**

name of component: guanine nucleotide binding protein (G protein), gamma 2

[NPU33535](#)

DNA(spec.)—GNG2 gene; seq.var. = ?

DNA(specification)—**GNG3 gene;****sequence variation**

name of component: guanine nucleotide binding protein (G protein), gamma 3

[NPU33536](#)

DNA(spec.)—GNG3 gene; seq.var. = ?

DNA(specification)—**GNG4 gene;****sequence variation**

name of component: guanine nucleotide binding protein (G protein), gamma 4

[NPU33537](#)

DNA(spec.)—GNG4 gene; seq.var. = ?

DNA(specification)—**GNG5 gene;****sequence variation**

name of component: guanine nucleotide binding protein (G protein), gamma 5

[NPU33538](#)

DNA(spec.)—GNG5 gene; seq.var. = ?

DNA(specification)—**GNG5P gene;****sequence variation**

name of component: guanine nucleotide binding protein (G protein), gamma 5 pseudogene

[NPU33539](#)

DNA(spec.)—GNG5P gene; seq.var. = ?

DNA(specification)—**GNG7 gene;****sequence variation**

name of component: guanine nucleotide binding protein (G protein), gamma 7

[NPU33540](#)

DNA(spec.)—GNG7 gene; seq.var. = ?

DNA(specification)—**GNG8 gene;****sequence variation**

name of component: guanine nucleotide binding protein (G protein), gamma 8

[NPU47137](#)

DNA(spec.)—GNG8 gene; seq.var. = ?

DNA(specification)—**GNGT1 gene;****sequence variation**

name of component: guanine nucleotide binding protein (G protein), gamma transducing activity polypeptide 1

[NPU33541](#)

DNA(spec.)—GNGT1 gene; seq.var. = ?

DNA(specification)—**GNGT2 gene;****sequence variation**

name of component: guanine nucleotide binding protein (G protein), gamma transducing activity polypeptide 2

[NPU33542](#)

DNA(spec.)—GNGT2 gene; seq.var. = ?

DNA(specification)—**GNL1 gene;****sequence variation**

name of component: guanine nucleotide binding protein-like 1

[NPU33543](#)

DNA(spec.)—GNL1 gene; seq.var. = ?

DNA(specification)—**GNLY gene;****sequence variation**

name of component: granulysin

[NPU33544](#)

DNA(spec.)—GNLY gene; seq.var. = ?

DNA(specification)—**GNMT gene;****sequence variation**

name of component: glycine N-methyltransferase

[NPU33545](#)

DNA(spec.)—GNMT gene; seq.var. = ?

DNA(specification)—**GNPAT gene;****sequence variation**

name of component: glyceronephosphate O-acyltransferase

[NPU19099](#)

DNA(spec.)—GNPAT gene; seq.var. = ?

DNA(specification)—**GNPI gene;****sequence variation**

name of component: glucosamine-6-phosphate isomerase

[NPU33546](#)

DNA(spec.)—GNPI gene; seq.var. = ?

DNA(specification)—**GNPNAT1 gene;****sequence variation**

name of component: glucosamine-phosphate N-acetyltransferase 1

[NPU47342](#)

DNA(spec.)—GNPNAT1 gene; seq.var. = ?

DNA(specification)—**GNPTA gene;****sequence variation**

name of component: glucosamine (UDP-N-acetyl)-lysosomal-enzyme N-acetylglucosamine phosphotransferase (mucopolidoses II & III)

[NPU33547](#)

DNA(spec.)—GNPTA gene; seq.var. = ?

DNA(specification)—**GNRH1 gene;****sequence variation**

name of component: gonadotropin-releasing hormone 1 (leutinizing-releasing hormone)

[NPU33548](#)

DNA(spec.)—GNRH1 gene; seq.var. = ?

DNA(specification)—**GNRH2 gene;****sequence variation**

name of component: gonadotropin-releasing hormone 2

[NPU33549](#)

DNA(spec.)—GNRH2 gene; seq.var. = ?

DNA(specification)—**GNRHR gene;****sequence variation**

name of component: gonadotropin-releasing hormone receptor

[NPU33550](#)

DNA(spec.)—GNRHR gene; seq.var. = ?

DNA(specification)—**GNRHR2 gene;****sequence variation**

name of component: gonadotropin-releasing hormone (type 2) receptor 2

[NPU44363](#)

DNA(spec.)—GNRHR2 gene; seq.var. = ?

DNA(specification)—**GNS gene;****sequence variation**

name of component: glucosamine (N-acetyl)-6-sulfatase (Sanfilippo disease IIID)

[NPU33551](#)

DNA(spec.)—GNS gene; seq.var. = ?

DNA(specification)—**GOCAP1 gene;****sequence variation**

name of component: golgi complex associated protein 1, 60 kDa

[NPU43671](#)

DNA(spec.)—GOCAP1 gene; seq.var. = ?

DNA(specification)—**GOLGA1 gene;****sequence variation**

name of component: golgi autoantigen, golgin subfamily a, 1

[NPU33552](#)

DNA(spec.)—GOLGA1 gene; seq.var. = ?

DNA(specification)—**GOLGA2 gene;****sequence variation**

name of component: golgi autoantigen, golgin subfamily a, 2

[NPU33553](#)

DNA(spec.)—GOLGA2 gene; seq.var. = ?

DNA(specification)—
GOLGA2LY gene;
sequence variation
name of component: golgi autoantigen, golgin sub-family a, 2-like, Y-linked
[NPU44470](#)
DNA(spec.)—GOLGA2LY gene; seq.var. = ?

DNA(specification)—
GOLGA3 gene;
sequence variation
name of component: golgi autoantigen, golgin sub-family a, 3
[NPU33554](#)
DNA(spec.)—GOLGA3 gene; seq.var. = ?

DNA(specification)—
GOLGA4 gene;
sequence variation
name of component: golgi autoantigen, golgin sub-family a, 4
[NPU33555](#)
DNA(spec.)—GOLGA4 gene; seq.var. = ?

DNA(specification)—
GOLGA4P1 gene;
sequence variation
name of component: GOLGA4 pseudogene 1
[NPU46602](#)
DNA(spec.)—GOLGA4P1 gene; seq.var. = ?

DNA(specification)—
GOLGA5 gene;
sequence variation
name of component: golgi autoantigen, golgin sub-family a, 5
[NPU33556](#)
DNA(spec.)—GOLGA5 gene; seq.var. = ?

DNA(specification)—
GOLGA6 gene;
sequence variation
name of component: golgi autoantigen, golgin sub-family a, member 6
[NPU42199](#)
DNA(spec.)—GOLGA6 gene; seq.var. = ?

DNA(specification)—
GOLGB1 gene;
sequence variation
name of component: golgi autoantigen, golgin sub-family b, macrogolgin (with transmembrane signal), 1
[NPU33557](#)
DNA(spec.)—GOLGB1 gene; seq.var. = ?

DNA(specification)—
GOLPH2 gene;
sequence variation
name of component: golgi phosphoprotein 2
[NPU43669](#)
DNA(spec.)—GOLPH2 gene; seq.var. = ?

DNA(specification)—
GOLPH3 gene;
sequence variation
name of component: golgi phosphoprotein 3 (coat-protein)
[NPU43670](#)
DNA(spec.)—GOLPH3 gene; seq.var. = ?

DNA(specification)—
GOLPH4 gene;
sequence variation
name of component: golgi phosphoprotein 4
[NPU43667](#)
DNA(spec.)—GOLPH4 gene; seq.var. = ?

DNA(specification)—
GORASP1 gene;
sequence variation
name of component: golgi reassembly stacking protein 1, 65 kDa
[NPU44676](#)
DNA(spec.)—GORASP1 gene; seq.var. = ?

DNA(specification)—
GORASP2 gene;
sequence variation
name of component: golgi reassembly stacking protein 2, 55 kDa
[NPU46038](#)
DNA(spec.)—GORASP2 gene; seq.var. = ?

DNA(specification)—
GOSR1 gene;
sequence variation
name of component: golgi SNAP receptor complex member 1
[NPU33558](#)
DNA(spec.)—GOSR1 gene; seq.var. = ?

DNA(specification)—
GOSR2 gene;
sequence variation
name of component: golgi SNAP receptor complex member 2
[NPU33559](#)
DNA(spec.)—GOSR2 gene; seq.var. = ?

DNA(specification)—**GOT1 gene;****sequence variation**

name of component: glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1)

[NPU33560](#)

DNA(spec.)—GOT1 gene; seq.var. = ?

DNA(specification)—**GOT2 gene;****sequence variation**

name of component: glutamic-oxaloacetic transaminase 2, mitochondrial (aspartate aminotransferase 2)

[NPU33561](#)

DNA(spec.)—GOT2 gene; seq.var. = ?

DNA(specification)—**GOT2L1 gene;****sequence variation**

name of component: glutamic-oxaloacetic transaminase 2-like 1

[NPU33562](#)

DNA(spec.)—GOT2L1 gene; seq.var. = ?

DNA(specification)—**GOT2L2 gene;****sequence variation**

name of component: glutamic-oxaloacetic transaminase 2-like 2

[NPU33563](#)

DNA(spec.)—GOT2L2 gene; seq.var. = ?

DNA(specification)—**GOT2L3 gene;****sequence variation**

name of component: glutamic-oxaloacetic transaminase 2-like 3

[NPU33564](#)

DNA(spec.)—GOT2L3 gene; seq.var. = ?

DNA(specification)—**GP1BA gene;****sequence variation**

name of component: glycoprotein Ib (platelet), alpha polypeptide

[NPU33565](#)

DNA(spec.)—GP1BA gene; seq.var. = ?

DNA(specification)—**GP1BB gene;****sequence variation**

name of component: glycoprotein Ib (platelet), beta polypeptide

[NPU33566](#)

DNA(spec.)—GP1BB gene; seq.var. = ?

DNA(specification)—**GP2 gene;****sequence variation**

name of component: glycoprotein 2 (zymogen granule membrane)

[NPU33567](#)

DNA(spec.)—GP2 gene; seq.var. = ?

DNA(specification)—**GP5 gene;****sequence variation**

name of component: glycoprotein V (platelet)

[NPU33568](#)

DNA(spec.)—GP5 gene; seq.var. = ?

DNA(specification)—**GP6 gene;****sequence variation**

name of component: glycoprotein VI (platelet)

[NPU42716](#)

DNA(spec.)—GP6 gene; seq.var. = ?

DNA(specification)—**GP9 gene;****sequence variation**

name of component: glycoprotein IX (platelet)

[NPU33569](#)

DNA(spec.)—GP9 gene; seq.var. = ?

DNA(specification)—**GPA33 gene;****sequence variation**

name of component: glycoprotein A33 (transmembrane)

[NPU33570](#)

DNA(spec.)—GPA33 gene; seq.var. = ?

DNA(specification)—**GPB gene;****sequence variation**

name of component: glycerol phosphatase, beta-

[NPU33573](#)

DNA(spec.)—GPB gene; seq.var. = ?

DNA(specification)—**GPBAR1 gene;****sequence variation**

name of component: G protein-coupled bile acid receptor 1

[NPU47151](#)

DNA(spec.)—GPBAR1 gene; seq.var. = ?

DNA(specification)—**GPC1 gene;****sequence variation**

name of component: glypican 1

[NPU33574](#)

DNA(spec.)—GPC1 gene; seq.var. = ?

DNA(specification)—
GPC2 gene;
sequence variation
name of component: glypican 2 (cerebroglycan)
[NPU33575](#)
DNA(spec.)—GPC2 gene; seq.var. = ?

DNA(specification)—
GPC3 gene;
sequence variation
name of component: glypican 3
[NPU33576](#)
DNA(spec.)—GPC3 gene; seq.var. = ?

DNA(specification)—
GPC4 gene;
sequence variation
name of component: glypican 4
[NPU33577](#)
DNA(spec.)—GPC4 gene; seq.var. = ?

DNA(specification)—
GPC5 gene;
sequence variation
name of component: glypican 5
[NPU33578](#)
DNA(spec.)—GPC5 gene; seq.var. = ?

DNA(specification)—
GPC6 gene;
sequence variation
name of component: glypican 6
[NPU33579](#)
DNA(spec.)—GPC6 gene; seq.var. = ?

DNA(specification)—
GPD1 gene;
sequence variation
name of component: glycerol-3-phosphate dehydrogenase 1 (soluble)
[NPU33580](#)
DNA(spec.)—GPD1 gene; seq.var. = ?

DNA(specification)—
GPD2 gene;
sequence variation
name of component: glycerol-3-phosphate dehydrogenase 2 (mitochondrial)
[NPU33581](#)
DNA(spec.)—GPD2 gene; seq.var. = ?

DNA(specification)—
GPDS1 gene;
sequence variation
name of component: glaucoma-related pigment dispersion syndrome 1
[NPU33582](#)
DNA(spec.)—GPDS1 gene; seq.var. = ?

DNA(specification)—
GPHA2 gene;
sequence variation
name of component: glycoprotein hormone alpha 2
[NPU46253](#)
DNA(spec.)—GPHA2 gene; seq.var. = ?

DNA(specification)—
GPHN gene;
sequence variation
name of component: gephyrin
[NPU43680](#)
DNA(spec.)—GPHN gene; seq.var. = ?

DNA(specification)—
GPI gene;
sequence variation
name of component: glucose phosphate isomerase
[NPU33583](#)
DNA(spec.)—GPI gene; seq.var. = ?

DNA(specification)—
GPLD1 gene;
sequence variation
name of component: glycosylphosphatidylinositol specific phospholipase D1
[NPU33584](#)
DNA(spec.)—GPLD1 gene; seq.var. = ?

DNA(specification)—
GPM6A gene;
sequence variation
name of component: glycoprotein M6A
[NPU33585](#)
DNA(spec.)—GPM6A gene; seq.var. = ?

DNA(specification)—
GPM6B gene;
sequence variation
name of component: glycoprotein M6B
[NPU33586](#)
DNA(spec.)—GPM6B gene; seq.var. = ?

DNA(specification)—
GPNMB gene;
sequence variation
name of component: glycoprotein (transmembrane) nmb
[NPU33587](#)
DNA(spec.)—GPNMB gene; seq.var. = ?

DNA(specification)—
GPR1 gene;
sequence variation
name of component: G protein-coupled receptor 1
[NPU33588](#)
DNA(spec.)—GPR1 gene; seq.var. = ?

DNA(specification)—**GPR10 gene;****sequence variation**

name of component: G protein-coupled receptor 10

[NPU33589](#)

DNA(spec.)—GPR10 gene; seq.var. = ?

DNA(specification)—**GPR100 gene;****sequence variation**

name of component: G protein-coupled receptor 100

[NPU42931](#)

DNA(spec.)—GPR100 gene; seq.var. = ?

DNA(specification)—**GPR101 gene;****sequence variation**

name of component: G protein-coupled receptor 101

[NPU43204](#)

DNA(spec.)—GPR101 gene; seq.var. = ?

DNA(specification)—**GPR102 gene;****sequence variation**

name of component: G protein-coupled receptor 102

[NPU43205](#)

DNA(spec.)—GPR102 gene; seq.var. = ?

DNA(specification)—**GPR103 gene;****sequence variation**

name of component: G protein-coupled receptor 103

[NPU43742](#)

DNA(spec.)—GPR103 gene; seq.var. = ?

DNA(specification)—**GPR104 gene;****sequence variation**

name of component: G protein-coupled receptor 104

[NPU43812](#)

DNA(spec.)—GPR104 gene; seq.var. = ?

DNA(specification)—**GPR105 gene;****sequence variation**

name of component: G protein-coupled receptor 105

[NPU44441](#)

DNA(spec.)—GPR105 gene; seq.var. = ?

DNA(specification)—**GPR107 gene;****sequence variation**

name of component: G protein-coupled receptor 107

[NPU46127](#)

DNA(spec.)—GPR107 gene; seq.var. = ?

DNA(specification)—**GPR108 gene;****sequence variation**

name of component: G protein-coupled receptor 108

[NPU46126](#)

DNA(spec.)—GPR108 gene; seq.var. = ?

DNA(specification)—**GPR110 gene;****sequence variation**

name of component: G protein-coupled receptor 110

[NPU46806](#)

DNA(spec.)—GPR110 gene; seq.var. = ?

DNA(specification)—**GPR111 gene;****sequence variation**

name of component: G protein-coupled receptor 111

[NPU46807](#)

DNA(spec.)—GPR111 gene; seq.var. = ?

DNA(specification)—**GPR112 gene;****sequence variation**

name of component: G protein-coupled receptor 112

[NPU46808](#)

DNA(spec.)—GPR112 gene; seq.var. = ?

DNA(specification)—**GPR113 gene;****sequence variation**

name of component: G protein-coupled receptor 113

[NPU46805](#)

DNA(spec.)—GPR113 gene; seq.var. = ?

DNA(specification)—**GPR114 gene;****sequence variation**

name of component: G protein-coupled receptor 114

[NPU46813](#)

DNA(spec.)—GPR114 gene; seq.var. = ?

DNA(specification)—
GPR115 gene;
sequence variation
name of component: G protein-coupled receptor
115
[NPU46814](#)
DNA(spec.)—GPR115 gene; seq.var. = ?

DNA(specification)—
GPR116 gene;
sequence variation
name of component: G protein-coupled receptor
116
[NPU46830](#)
DNA(spec.)—GPR116 gene; seq.var. = ?

DNA(specification)—
GPR12 gene;
sequence variation
name of component: G protein-coupled receptor 12
[NPU33590](#)
DNA(spec.)—GPR12 gene; seq.var. = ?

DNA(specification)—
GPR123 gene;
sequence variation
name of component: G protein-coupled receptor
123
[NPU42352](#)
DNA(spec.)—GPR123 gene; seq.var. = ?

DNA(specification)—
GPR124 gene;
sequence variation
name of component: G protein-coupled receptor
124
[NPU46146](#)
DNA(spec.)—GPR124 gene; seq.var. = ?

DNA(specification)—
GPR125 gene;
sequence variation
name of component: G protein-coupled receptor
125
[NPU42353](#)
DNA(spec.)—GPR125 gene; seq.var. = ?

DNA(specification)—
GPR126 gene;
sequence variation
name of component: G protein-coupled receptor
126
[NPU42354](#)
DNA(spec.)—GPR126 gene; seq.var. = ?

DNA(specification)—
GPR127 gene;
sequence variation
name of component: G protein-coupled receptor
127
[NPU46929](#)
DNA(spec.)—GPR127 gene; seq.var. = ?

DNA(specification)—
GPR128 gene;
sequence variation
name of component: G protein-coupled receptor
128
[NPU46930](#)
DNA(spec.)—GPR128 gene; seq.var. = ?

DNA(specification)—
GPR14 gene;
sequence variation
name of component: G protein-coupled receptor 14
[NPU33591](#)
DNA(spec.)—GPR14 gene; seq.var. = ?

DNA(specification)—
GPR145 gene;
sequence variation
name of component: G protein-coupled receptor
145
[NPU47784](#)
DNA(spec.)—GPR145 gene; seq.var. = ?

DNA(specification)—
GPR15 gene;
sequence variation
name of component: G protein-coupled receptor 15
[NPU33592](#)
DNA(spec.)—GPR15 gene; seq.var. = ?

DNA(specification)—
GPR17 gene;
sequence variation
name of component: G protein-coupled receptor 17
[NPU33593](#)
DNA(spec.)—GPR17 gene; seq.var. = ?

DNA(specification)—
GPR18 gene;
sequence variation
name of component: G protein-coupled receptor 18
[NPU33594](#)
DNA(spec.)—GPR18 gene; seq.var. = ?

DNA(specification)—
GPR19 gene;
sequence variation
name of component: G protein-coupled receptor 19
[NPU33595](#)
DNA(spec.)—GPR19 gene; seq.var. = ?

DNA(specification)—**GPR2 gene;****sequence variation**

name of component: G protein-coupled receptor 2

[NPU33596](#)

DNA(spec.)—GPR2 gene; seq.var. = ?

DNA(specification)—**GPR20 gene;****sequence variation**

name of component: G protein-coupled receptor 20

[NPU33597](#)

DNA(spec.)—GPR20 gene; seq.var. = ?

DNA(specification)—**GPR21 gene;****sequence variation**

name of component: G protein-coupled receptor 21

[NPU33598](#)

DNA(spec.)—GPR21 gene; seq.var. = ?

DNA(specification)—**GPR22 gene;****sequence variation**

name of component: G protein-coupled receptor 22

[NPU33599](#)

DNA(spec.)—GPR22 gene; seq.var. = ?

DNA(specification)—**GPR23 gene;****sequence variation**

name of component: G protein-coupled receptor 23

[NPU33600](#)

DNA(spec.)—GPR23 gene; seq.var. = ?

DNA(specification)—**GPR24 gene;****sequence variation**

name of component: G protein-coupled receptor 24

[NPU33601](#)

DNA(spec.)—GPR24 gene; seq.var. = ?

DNA(specification)—**GPR25 gene;****sequence variation**

name of component: G protein-coupled receptor 25

[NPU33602](#)

DNA(spec.)—GPR25 gene; seq.var. = ?

DNA(specification)—**GPR26 gene;****sequence variation**

name of component: G protein-coupled receptor 26

[NPU33603](#)

DNA(spec.)—GPR26 gene; seq.var. = ?

DNA(specification)—**GPR27 gene;****sequence variation**

name of component: G protein-coupled receptor 27

[NPU33604](#)

DNA(spec.)—GPR27 gene; seq.var. = ?

DNA(specification)—**GPR28 gene;****sequence variation**

name of component: G protein-coupled receptor 28

[NPU33605](#)

DNA(spec.)—GPR28 gene; seq.var. = ?

DNA(specification)—**GPR3 gene;****sequence variation**

name of component: G protein-coupled receptor 3

[NPU33606](#)

DNA(spec.)—GPR3 gene; seq.var. = ?

DNA(specification)—**GPR30 gene;****sequence variation**

name of component: G protein-coupled receptor 30

[NPU33607](#)

DNA(spec.)—GPR30 gene; seq.var. = ?

DNA(specification)—**GPR31 gene;****sequence variation**

name of component: G protein-coupled receptor 31

[NPU33608](#)

DNA(spec.)—GPR31 gene; seq.var. = ?

DNA(specification)—**GPR32 gene;****sequence variation**

name of component: G protein-coupled receptor 32

[NPU33609](#)

DNA(spec.)—GPR32 gene; seq.var. = ?

DNA(specification)—**GPR32P gene;****sequence variation**

name of component: G protein-coupled receptor 32, pseudogene

[NPU33610](#)

DNA(spec.)—GPR32P gene; seq.var. = ?

DNA(specification)—**GPR33 gene;****sequence variation**

name of component: G protein-coupled receptor 33, pseudogene

[NPU33611](#)

DNA(spec.)—GPR33 gene; seq.var. = ?

DNA(specification)—
GPR34 gene;
sequence variation
name of component: G protein-coupled receptor 34
[NPU33612](#)
DNA(spec.)—GPR34 gene; seq.var. = ?

DNA(specification)—
GPR34P gene;
sequence variation
name of component: G protein-coupled receptor 34
pseudogene
[NPU33613](#)
DNA(spec.)—GPR34P gene; seq.var. = ?

DNA(specification)—
GPR35 gene;
sequence variation
name of component: G protein-coupled receptor 35
[NPU33614](#)
DNA(spec.)—GPR35 gene; seq.var. = ?

DNA(specification)—
GPR36 gene;
sequence variation
name of component: G protein-coupled receptor 36
[NPU33615](#)
DNA(spec.)—GPR36 gene; seq.var. = ?

DNA(specification)—
GPR37 gene;
sequence variation
name of component: G protein-coupled receptor 37
(endothelin receptor type B-like)
[NPU33616](#)
DNA(spec.)—GPR37 gene; seq.var. = ?

DNA(specification)—
GPR37L1 gene;
sequence variation
name of component: G-protein coupled receptor 37
like 1
[NPU43170](#)
DNA(spec.)—GPR37L1 gene; seq.var. = ?

DNA(specification)—
GPR38 gene;
sequence variation
name of component: G protein-coupled receptor 38
[NPU33617](#)
DNA(spec.)—GPR38 gene; seq.var. = ?

DNA(specification)—
GPR39 gene;
sequence variation
name of component: G protein-coupled receptor 39
[NPU33618](#)
DNA(spec.)—GPR39 gene; seq.var. = ?

DNA(specification)—
GPR4 gene;
sequence variation
name of component: G protein-coupled receptor 4
[NPU33619](#)
DNA(spec.)—GPR4 gene; seq.var. = ?

DNA(specification)—
GPR40 gene;
sequence variation
name of component: G protein-coupled receptor 40
[NPU33620](#)
DNA(spec.)—GPR40 gene; seq.var. = ?

DNA(specification)—
GPR41 gene;
sequence variation
name of component: G protein-coupled receptor 41
[NPU33621](#)
DNA(spec.)—GPR41 gene; seq.var. = ?

DNA(specification)—
GPR42 gene;
sequence variation
name of component: G protein-coupled receptor 42
[NPU33622](#)
DNA(spec.)—GPR42 gene; seq.var. = ?

DNA(specification)—
GPR43 gene;
sequence variation
name of component: G protein-coupled receptor 43
[NPU33623](#)
DNA(spec.)—GPR43 gene; seq.var. = ?

DNA(specification)—
GPR44 gene;
sequence variation
name of component: G protein-coupled receptor 44
[NPU33624](#)
DNA(spec.)—GPR44 gene; seq.var. = ?

DNA(specification)—
GPR45 gene;
sequence variation
name of component: G protein-coupled receptor 45
[NPU33625](#)
DNA(spec.)—GPR45 gene; seq.var. = ?

DNA(specification)—
GPR48 gene;
sequence variation
name of component: G protein-coupled receptor 48
[NPU42083](#)
DNA(spec.)—GPR48 gene; seq.var. = ?

DNA(specification)—
GPR49 gene;
sequence variation
name of component: G protein-coupled receptor 49
[NPU33626](#)
DNA(spec.)—GPR49 gene; seq.var. = ?

DNA(specification)—
GPR50 gene;
sequence variation
name of component: G protein-coupled receptor 50
[NPU33627](#)
DNA(spec.)—GPR50 gene; seq.var. = ?

DNA(specification)—
GPR51 gene;
sequence variation
name of component: G protein-coupled receptor 51
[NPU33628](#)
DNA(spec.)—GPR51 gene; seq.var. = ?

DNA(specification)—
GPR52 gene;
sequence variation
name of component: G protein-coupled receptor 52
[NPU33629](#)
DNA(spec.)—GPR52 gene; seq.var. = ?

DNA(specification)—
GPR53P gene;
sequence variation
name of component: G protein-coupled receptor 53, pseudogene
[NPU33630](#)
DNA(spec.)—GPR53P gene; seq.var. = ?

DNA(specification)—
GPR54 gene;
sequence variation
name of component: G protein-coupled receptor 54
[NPU33631](#)
DNA(spec.)—GPR54 gene; seq.var. = ?

DNA(specification)—
GPR55 gene;
sequence variation
name of component: G protein-coupled receptor 55
[NPU33632](#)
DNA(spec.)—GPR55 gene; seq.var. = ?

DNA(specification)—
GPR56 gene;
sequence variation
name of component: G protein-coupled receptor 56
[NPU33633](#)
DNA(spec.)—GPR56 gene; seq.var. = ?

DNA(specification)—
GPR57 gene;
sequence variation
name of component: G protein-coupled receptor 57
[NPU33634](#)
DNA(spec.)—GPR57 gene; seq.var. = ?

DNA(specification)—
GPR58 gene;
sequence variation
name of component: G protein-coupled receptor 58
[NPU33635](#)
DNA(spec.)—GPR58 gene; seq.var. = ?

DNA(specification)—
GPR6 gene;
sequence variation
name of component: G protein-coupled receptor 6
[NPU33636](#)
DNA(spec.)—GPR6 gene; seq.var. = ?

DNA(specification)—
GPR61 gene;
sequence variation
name of component: G protein-coupled receptor 61
[NPU42084](#)
DNA(spec.)—GPR61 gene; seq.var. = ?

DNA(specification)—
GPR62 gene;
sequence variation
name of component: G protein-coupled receptor 62
[NPU42085](#)
DNA(spec.)—GPR62 gene; seq.var. = ?

DNA(specification)—
GPR63 gene;
sequence variation
name of component: G protein-coupled receptor 63
[NPU42086](#)
DNA(spec.)—GPR63 gene; seq.var. = ?

DNA(specification)—
GPR64 gene;
sequence variation
name of component: G protein-coupled receptor 64
[NPU33637](#)
DNA(spec.)—GPR64 gene; seq.var. = ?

DNA(specification)—
GPR65 gene;
sequence variation
name of component: G protein-coupled receptor 65
[NPU33638](#)
DNA(spec.)—GPR65 gene; seq.var. = ?

DNA(specification)—
GPR66 gene;
sequence variation
name of component: G protein-coupled receptor 66
[NPU33639](#)
DNA(spec.)—GPR66 gene; seq.var. = ?

DNA(specification)—
GPR68 gene;
sequence variation
name of component: G protein-coupled receptor 68
[NPU33640](#)
DNA(spec.)—GPR68 gene; seq.var. = ?

DNA(specification)—
GPR7 gene;
sequence variation
name of component: G protein-coupled receptor 7
[NPU33641](#)
DNA(spec.)—GPR7 gene; seq.var. = ?

DNA(specification)—
GPR72 gene;
sequence variation
name of component: G protein-coupled receptor 72
[NPU33642](#)
DNA(spec.)—GPR72 gene; seq.var. = ?

DNA(specification)—
GPR73 gene;
sequence variation
name of component: G protein-coupled receptor 73
[NPU33643](#)
DNA(spec.)—GPR73 gene; seq.var. = ?

DNA(specification)—
GPR73L1 gene;
sequence variation
name of component: G protein-coupled receptor 73-like 1
[NPU43933](#)
DNA(spec.)—GPR73L1 gene; seq.var. = ?

DNA(specification)—
GPR74 gene;
sequence variation
name of component: G protein-coupled receptor 74
[NPU33644](#)
DNA(spec.)—GPR74 gene; seq.var. = ?

DNA(specification)—
GPR75 gene;
sequence variation
name of component: G protein-coupled receptor 75
[NPU33645](#)
DNA(spec.)—GPR75 gene; seq.var. = ?

DNA(specification)—
GPR77 gene;
sequence variation
name of component: G protein-coupled receptor 77
[NPU33646](#)
DNA(spec.)—GPR77 gene; seq.var. = ?

DNA(specification)—
GPR78 gene;
sequence variation
name of component: G protein-coupled receptor 78
[NPU33647](#)
DNA(spec.)—GPR78 gene; seq.var. = ?

DNA(specification)—
GPR79 gene;
sequence variation
name of component: G protein-coupled receptor 79
pseudogene
[NPU33648](#)
DNA(spec.)—GPR79 gene; seq.var. = ?

DNA(specification)—
GPR8 gene;
sequence variation
name of component: G protein-coupled receptor 8
[NPU33649](#)
DNA(spec.)—GPR8 gene; seq.var. = ?

DNA(specification)—
GPR80 gene;
sequence variation
name of component: G protein-coupled receptor 80
[NPU33650](#)
DNA(spec.)—GPR80 gene; seq.var. = ?

DNA(specification)—
GPR81 gene;
sequence variation
name of component: G protein-coupled receptor 81
[NPU33651](#)
DNA(spec.)—GPR81 gene; seq.var. = ?

DNA(specification)—
GPR82 gene;
sequence variation
name of component: G protein-coupled receptor 82
[NPU33652](#)
DNA(spec.)—GPR82 gene; seq.var. = ?

DNA(specification)—
GPR83 gene;
sequence variation
name of component: G protein-coupled receptor 83
[NPU33653](#)
DNA(spec.)—GPR83 gene; seq.var. = ?

DNA(specification)—
GPR84 gene;
sequence variation
name of component: G protein-coupled receptor 84
[NPU33654](#)
DNA(spec.)—GPR84 gene; seq.var. = ?

DNA(specification)—
GPR85 gene;
sequence variation
name of component: G protein-coupled receptor 85
[NPU33655](#)
DNA(spec.)—GPR85 gene; seq.var. = ?

DNA(specification)—
GPR86 gene;
sequence variation
name of component: G protein-coupled receptor 86
[NPU33656](#)
DNA(spec.)—GPR86 gene; seq.var. = ?

DNA(specification)—
GPR87 gene;
sequence variation
name of component: G protein-coupled receptor 87
[NPU33657](#)
DNA(spec.)—GPR87 gene; seq.var. = ?

DNA(specification)—
GPR88 gene;
sequence variation
name of component: G-protein coupled receptor 88
[NPU33658](#)
DNA(spec.)—GPR88 gene; seq.var. = ?

DNA(specification)—
GPR90 gene;
sequence variation
name of component: G protein-coupled receptor 90
[NPU33660](#)
DNA(spec.)—GPR90 gene; seq.var. = ?

DNA(specification)—
GPR91 gene;
sequence variation
name of component: G protein-coupled receptor 91
[NPU33661](#)
DNA(spec.)—GPR91 gene; seq.var. = ?

DNA(specification)—
GPR92 gene;
sequence variation
name of component: G protein-coupled receptor 92
[NPU42087](#)
DNA(spec.)—GPR92 gene; seq.var. = ?

DNA(specification)—
GPR97 gene;
sequence variation
name of component: G protein-coupled receptor 97
[NPU42293](#)
DNA(spec.)—GPR97 gene; seq.var. = ?

DNA(specification)—
GPRC5B gene;
sequence variation
name of component: G protein-coupled receptor,
family C, group 5, member B
[NPU42088](#)
DNA(spec.)—GPRC5B gene; seq.var. = ?

DNA(specification)—
GPRC5C gene;
sequence variation
name of component: G protein-coupled receptor,
family C, group 5, member C
[NPU42089](#)
DNA(spec.)—GPRC5C gene; seq.var. = ?

DNA(specification)—
GPRC5D gene;
sequence variation
name of component: G protein-coupled receptor,
family C, group 5, member D
[NPU42090](#)
DNA(spec.)—GPRC5D gene; seq.var. = ?

DNA(specification)—
GPRC6A gene;
sequence variation
name of component: G protein-coupled receptor,
family C, group 6, member A
[NPU46510](#)
DNA(spec.)—GPRC6A gene; seq.var. = ?

DNA(specification)—
GPRK2L gene;
sequence variation
name of component: G protein-coupled receptor
kinase 2-like (Drosophila)
[NPU33662](#)
DNA(spec.)—GPRK2L gene; seq.var. = ?

DNA(specification)—
GPRK5 gene;
sequence variation
name of component: G protein-coupled receptor
kinase 5
[NPU33663](#)
DNA(spec.)—GPRK5 gene; seq.var. = ?

DNA(specification)—**GPRK6 gene;****sequence variation**

name of component: G protein-coupled receptor kinase 6

[NPU33664](#)

DNA(spec.)—GPRK6 gene; seq.var. = ?

DNA(specification)—**GPRK6P gene;****sequence variation**

name of component: G protein-coupled receptor kinase 6 pseudogene

[NPU33665](#)

DNA(spec.)—GPRK6P gene; seq.var. = ?

DNA(specification)—**GPRK7 gene;****sequence variation**

name of component: G protein-coupled receptor kinase 7

[NPU44821](#)

DNA(spec.)—GPRK7 gene; seq.var. = ?

DNA(specification)—**GPS1 gene;****sequence variation**

name of component: G protein pathway suppressor 1

[NPU33666](#)

DNA(spec.)—GPS1 gene; seq.var. = ?

DNA(specification)—**GPS2 gene;****sequence variation**

name of component: G protein pathway suppressor 2

[NPU33667](#)

DNA(spec.)—GPS2 gene; seq.var. = ?

DNA(specification)—**GPSN2 gene;****sequence variation**

name of component: glycoprotein, synaptic 2

[NPU33668](#)

DNA(spec.)—GPSN2 gene; seq.var. = ?

DNA(specification)—**GPT gene;****sequence variation**

name of component: glutamic-pyruvate transaminase (alanine aminotransferase)

[NPU33669](#)

DNA(spec.)—GPT gene; seq.var. = ?

DNA(specification)—**GPT2 gene;****sequence variation**

name of component: glutamic pyruvate transaminase (alanine aminotransferase) 2

[NPU46258](#)

DNA(spec.)—GPT2 gene; seq.var. = ?

DNA(specification)—**GPX1 gene;****sequence variation**

name of component: glutathione peroxidase 1

[NPU33670](#)

DNA(spec.)—GPX1 gene; seq.var. = ?

DNA(specification)—**GPX2 gene;****sequence variation**

name of component: glutathione peroxidase 2 (gastrointestinal)

[NPU33671](#)

DNA(spec.)—GPX2 gene; seq.var. = ?

DNA(specification)—**GPX3 gene;****sequence variation**

name of component: glutathione peroxidase 3 (plasma)

[NPU33672](#)

DNA(spec.)—GPX3 gene; seq.var. = ?

DNA(specification)—**GPX4 gene;****sequence variation**

name of component: glutathione peroxidase 4 (phospholipid hydroperoxidase)

[NPU33673](#)

DNA(spec.)—GPX4 gene; seq.var. = ?

DNA(specification)—**GPX5 gene;****sequence variation**

name of component: glutathione peroxidase 5 (epididymal androgen-related protein)

[NPU33674](#)

DNA(spec.)—GPX5 gene; seq.var. = ?

DNA(specification)—**GPX6 gene;****sequence variation**

name of component: glutathione peroxidase 6 (olfactory)

[NPU33675](#)

DNA(spec.)—GPX6 gene; seq.var. = ?

DNA(specification)—**GPX7 gene;****sequence variation**

name of component: glutathione peroxidase 7

[NPU33676](#)

DNA(spec.)—GPX7 gene; seq.var. = ?

DNA(specification)—**GPXP1 gene;****sequence variation**

name of component: glutathione peroxidase pseudogene 1

[NPU33677](#)

DNA(spec.)—GPXP1 gene; seq.var. = ?

DNA(specification)—**GPXP2 gene;****sequence variation**

name of component: glutathione peroxidase pseudogene 2

[NPU33678](#)

DNA(spec.)—GPXP2 gene; seq.var. = ?

DNA(specification)—**GPAA1 gene;****sequence variation**

name of component: GPAA1P anchor attachment protein 1 homolog (yeast)

[NPU33571](#)

DNA(spec.)—GPAA1 gene; seq.var. = ?

DNA(specification)—**GPAA1P1 gene;****sequence variation**

name of component: glycosylphosphatidylinositol anchor attachment 1 pseudogene 1

[NPU33572](#)

DNA(spec.)—GPAA1P1 gene; seq.var. = ?

DNA(specification)—**GRAP gene;****sequence variation**

name of component: GRB2-related adaptor protein

[NPU33679](#)

DNA(spec.)—GRAP gene; seq.var. = ?

DNA(specification)—**GRAP2 gene;****sequence variation**

name of component: GRB2-related adaptor protein 2

[NPU33680](#)

DNA(spec.)—GRAP2 gene; seq.var. = ?

DNA(specification)—**GRASP gene;****sequence variation**

name of component: GRP1 (general receptor for phosphoinositides 1)-associated scaffold protein

[NPU46630](#)

DNA(spec.)—GRASP gene; seq.var. = ?

DNA(specification)—**GRB10 gene;****sequence variation**

name of component: growth factor receptor-bound protein 10

[NPU19100](#)

DNA(spec.)—GRB10 gene; seq.var. = ?

DNA(specification)—**GRB14 gene;****sequence variation**

name of component: growth factor receptor-bound protein 14

[NPU33681](#)

DNA(spec.)—GRB14 gene; seq.var. = ?

DNA(specification)—**GRB2 gene;****sequence variation**

name of component: growth factor receptor-bound protein 2

[NPU33682](#)

DNA(spec.)—GRB2 gene; seq.var. = ?

DNA(specification)—**GRB7 gene;****sequence variation**

name of component: growth factor receptor-bound protein 7

[NPU33683](#)

DNA(spec.)—GRB7 gene; seq.var. = ?

DNA(specification)—**GRF2 gene;****sequence variation**

name of component: guanine nucleotide-releasing factor 2 (specific for crk proto-oncogene)

[NPU33684](#)

DNA(spec.)—GRF2 gene; seq.var. = ?

DNA(specification)—**GRHPR gene;****sequence variation**

name of component: glyoxylate reductase/hydroxypyruvate reductase

[NPU33685](#)

DNA(spec.)—GRHPR gene; seq.var. = ?

DNA(specification)—**GRIA1 gene;****sequence variation**

name of component: glutamate receptor, ionotropic, AMPA 1

[NPU33686](#)

DNA(spec.)—GRIA1 gene; seq.var. = ?

DNA(specification)—**GRIA2 gene;****sequence variation**

name of component: glutamate receptor, ionotropic, AMPA 2

[NPU33687](#)

DNA(spec.)—GRIA2 gene; seq.var. = ?

DNA(specification)—**GRIA3 gene;****sequence variation**

name of component: glutamate receptor, ionotropic, AMPA 3

[NPU33688](#)

DNA(spec.)—GRIA3 gene; seq.var. = ?

DNA(specification)—**GRIA4 gene;****sequence variation**

name of component: glutamate receptor, ionotropic, AMPA 4

[NPU33689](#)

DNA(spec.)—GRIA4 gene; seq.var. = ?

DNA(specification)—**GRID1 gene;****sequence variation**

name of component: glutamate receptor, ionotropic, delta 1

[NPU33690](#)

DNA(spec.)—GRID1 gene; seq.var. = ?

DNA(specification)—**GRID2 gene;****sequence variation**

name of component: glutamate receptor, ionotropic, delta 2

[NPU33691](#)

DNA(spec.)—GRID2 gene; seq.var. = ?

DNA(specification)—**GRIFIN gene;****sequence variation**

name of component: galectin-related inter-fiber protein

[NPU33692](#)

DNA(spec.)—GRIFIN gene; seq.var. = ?

DNA(specification)—**GRIK1 gene;****sequence variation**

name of component: glutamate receptor, ionotropic, kainate 1

[NPU33693](#)

DNA(spec.)—GRIK1 gene; seq.var. = ?

DNA(specification)—**GRIK2 gene;****sequence variation**

name of component: glutamate receptor, ionotropic, kainate 2

[NPU33694](#)

DNA(spec.)—GRIK2 gene; seq.var. = ?

DNA(specification)—**GRIK3 gene;****sequence variation**

name of component: glutamate receptor, ionotropic, kainate 3

[NPU33695](#)

DNA(spec.)—GRIK3 gene; seq.var. = ?

DNA(specification)—**GRIK4 gene;****sequence variation**

name of component: glutamate receptor, ionotropic, kainate 4

[NPU33696](#)

DNA(spec.)—GRIK4 gene; seq.var. = ?

DNA(specification)—**GRIK5 gene;****sequence variation**

name of component: glutamate receptor, ionotropic, kainate 5

[NPU33697](#)

DNA(spec.)—GRIK5 gene; seq.var. = ?

DNA(specification)—**GRIN1 gene;****sequence variation**

name of component: glutamate receptor, ionotropic, N-methyl D-aspartate 1

[NPU33698](#)

DNA(spec.)—GRIN1 gene; seq.var. = ?

DNA(specification)—**GRIN2A gene;****sequence variation**

name of component: glutamate receptor, ionotropic, N-methyl D-aspartate 2A

[NPU33699](#)

DNA(spec.)—GRIN2A gene; seq.var. = ?

DNA(specification)—
GRIN2B gene;
sequence variation
name of component: glutamate receptor, ionotropic, N-methyl D-aspartate 2B
[NPU33700](#)
DNA(spec.)—GRIN2B gene; seq.var. = ?

DNA(specification)—
GRIN2C gene;
sequence variation
name of component: glutamate receptor, ionotropic, N-methyl D-aspartate 2C
[NPU33701](#)
DNA(spec.)—GRIN2C gene; seq.var. = ?

DNA(specification)—
GRIN2D gene;
sequence variation
name of component: glutamate receptor, ionotropic, N-methyl D-aspartate 2D
[NPU33702](#)
DNA(spec.)—GRIN2D gene; seq.var. = ?

DNA(specification)—
GRIN3A gene;
sequence variation
name of component: glutamate receptor, ionotropic, N-methyl-D-aspartate 3A
[NPU44674](#)
DNA(spec.)—GRIN3A gene; seq.var. = ?

DNA(specification)—
GRIN3B gene;
sequence variation
name of component: glutamate receptor, ionotropic, N-methyl-D-aspartate 3B
[NPU44675](#)
DNA(spec.)—GRIN3B gene; seq.var. = ?

DNA(specification)—
GRINA gene;
sequence variation
name of component: glutamate receptor, ionotropic, N-methyl D-aspartate-associated protein 1 (glutamate binding)
[NPU33703](#)
DNA(spec.)—GRINA gene; seq.var. = ?

DNA(specification)—
GRINL1A gene;
sequence variation
name of component: glutamate receptor, ionotropic, N-methyl D-aspartate-like 1A
[NPU43120](#)
DNA(spec.)—GRINL1A gene; seq.var. = ?

DNA(specification)—
GRINL1B gene;
sequence variation
name of component: glutamate receptor, ionotropic, N-methyl D-aspartate-like 1B
[NPU43843](#)
DNA(spec.)—GRINL1B gene; seq.var. = ?

DNA(specification)—
GRIP1 gene;
sequence variation
name of component: glutamate receptor interacting protein 1
[NPU46631](#)
DNA(spec.)—GRIP1 gene; seq.var. = ?

DNA(specification)—
GRIPAP1 gene;
sequence variation
name of component: GRIP1 associated protein 1
[NPU46629](#)
DNA(spec.)—GRIPAP1 gene; seq.var. = ?

DNA(specification)—
GRLF1 gene;
sequence variation
name of component: glucocorticoid receptor DNA binding factor 1
[NPU33704](#)
DNA(spec.)—GRLF1 gene; seq.var. = ?

DNA(specification)—
GRLL1 gene;
sequence variation
name of component: glucocorticoid receptor-like 1
[NPU33705](#)
DNA(spec.)—GRLL1 gene; seq.var. = ?

DNA(specification)—
GRM1 gene;
sequence variation
name of component: glutamate receptor, metabotropic 1
[NPU33706](#)
DNA(spec.)—GRM1 gene; seq.var. = ?

DNA(specification)—
GRM2 gene;
sequence variation
name of component: glutamate receptor, metabotropic 2
[NPU33707](#)
DNA(spec.)—GRM2 gene; seq.var. = ?

DNA(specification)—**GRM3 gene;****sequence variation**

name of component: glutamate receptor, metabotropic 3

[NPU33708](#)

DNA(spec.)—GRM3 gene; seq.var. = ?

DNA(specification)—**GRM4 gene;****sequence variation**

name of component: glutamate receptor, metabotropic 4

[NPU33709](#)

DNA(spec.)—GRM4 gene; seq.var. = ?

DNA(specification)—**GRM5 gene;****sequence variation**

name of component: glutamate receptor, metabotropic 5

[NPU33710](#)

DNA(spec.)—GRM5 gene; seq.var. = ?

DNA(specification)—**GRM6 gene;****sequence variation**

name of component: glutamate receptor, metabotropic 6

[NPU33711](#)

DNA(spec.)—GRM6 gene; seq.var. = ?

DNA(specification)—**GRM7 gene;****sequence variation**

name of component: glutamate receptor, metabotropic 7

[NPU33712](#)

DNA(spec.)—GRM7 gene; seq.var. = ?

DNA(specification)—**GRM8 gene;****sequence variation**

name of component: glutamate receptor, metabotropic 8

[NPU33713](#)

DNA(spec.)—GRM8 gene; seq.var. = ?

DNA(specification)—**GRN gene;****sequence variation**

name of component: granulin

[NPU33714](#)

DNA(spec.)—GRN gene; seq.var. = ?

DNA(specification)—**GRP gene;****sequence variation**

name of component: gastrin-releasing peptide

[NPU33718](#)

DNA(spec.)—GRP gene; seq.var. = ?

DNA(specification)—**GRP58 gene;****sequence variation**

name of component: glucose regulated protein, 58 kDa

[NPU33719](#)

DNA(spec.)—GRP58 gene; seq.var. = ?

DNA(specification)—**GRP58P gene;****sequence variation**

name of component: glucose regulated protein, 58 kDa pseudogene

[NPU33720](#)

DNA(spec.)—GRP58P gene; seq.var. = ?

DNA(specification)—**GRPEL1 gene;****sequence variation**

name of component: GrpE-like 1, mitochondrial (E. coli)

[NPU47156](#)

DNA(spec.)—GRPEL1 gene; seq.var. = ?

DNA(specification)—**GRPR gene;****sequence variation**

name of component: gastrin-releasing peptide receptor

[NPU33721](#)

DNA(spec.)—GRPR gene; seq.var. = ?

DNA(specification)—**GRSF1 gene;****sequence variation**

name of component: G-rich RNA sequence binding factor 1

[NPU33722](#)

DNA(spec.)—GRSF1 gene; seq.var. = ?

DNA(specification)—**GRTP1 gene;****sequence variation**

name of component: growth hormone regulated TBC protein 1

[NPU47544](#)

DNA(spec.)—GRTP1 gene; seq.var. = ?

DNA(specification)—**GSC gene;****sequence variation**

name of component: goosecoid

[NPU33723](#)

DNA(spec.)—GSC gene; seq.var. = ?

DNA(specification)—**GSCL gene;****sequence variation**

name of component: goosecoid-like

[NPU33724](#)

DNA(spec.)—GSCL gene; seq.var. = ?

DNA(specification)—**GSG1 gene;****sequence variation**

name of component: germ cell associated 1

[NPU47165](#)

DNA(spec.)—GSG1 gene; seq.var. = ?

DNA(specification)—**GSH1 gene;****sequence variation**

name of component: GS homeobox 1

[NPU47590](#)

DNA(spec.)—GSH1 gene; seq.var. = ?

DNA(specification)—**GSK1 gene;****sequence variation**

name of component: glycogen synthase kinase 1

[NPU33725](#)

DNA(spec.)—GSK1 gene; seq.var. = ?

DNA(specification)—**GSK2 gene;****sequence variation**

name of component: glycogen synthase kinase 2

[NPU33726](#)

DNA(spec.)—GSK2 gene; seq.var. = ?

DNA(specification)—**GSK3A gene;****sequence variation**name of component: glycogen synthase kinase 3
alpha[NPU33727](#)

DNA(spec.)—GSK3A gene; seq.var. = ?

DNA(specification)—**GSK3B gene;****sequence variation**name of component: glycogen synthase kinase 3
beta[NPU33728](#)

DNA(spec.)—GSK3B gene; seq.var. = ?

DNA(specification)—**GSM1 gene;****sequence variation**

name of component: geniospasm 1

[NPU33729](#)

DNA(spec.)—GSM1 gene; seq.var. = ?

DNA(specification)—**GSN gene;****sequence variation**name of component: gelsolin (amyloidosis, Finnish
type)[NPU33730](#)

DNA(spec.)—GSN gene; seq.var. = ?

DNA(specification)—**GSPT1 gene;****sequence variation**

name of component: G1 to S phase transition 1

[NPU33731](#)

DNA(spec.)—GSPT1 gene; seq.var. = ?

DNA(specification)—**GSPT2 gene;****sequence variation**

name of component: G1 to S phase transition 2

[NPU33732](#)

DNA(spec.)—GSPT2 gene; seq.var. = ?

DNA(specification)—**GSR gene;****sequence variation**

name of component: glutathione reductase

[NPU33733](#)

DNA(spec.)—GSR gene; seq.var. = ?

DNA(specification)—**GSS gene;****sequence variation**

name of component: glutathione synthetase

[NPU33734](#)

DNA(spec.)—GSS gene; seq.var. = ?

DNA(specification)—**GSTA1 gene;****sequence variation**

name of component: glutathione S-transferase A1

[NPU33735](#)

DNA(spec.)—GSTA1 gene; seq.var. = ?

DNA(specification)—**GSTA2 gene;****sequence variation**

name of component: glutathione S-transferase A2

[NPU33736](#)

DNA(spec.)—GSTA2 gene; seq.var. = ?

DNA(specification)—
GSTA3 gene;
sequence variation
 name of component: glutathione S-transferase A3
[NPU33737](#)
 DNA(spec.)—GSTA3 gene; seq.var. = ?

DNA(specification)—
GSTA4 gene;
sequence variation
 name of component: glutathione S-transferase A4
[NPU33738](#)
 DNA(spec.)—GSTA4 gene; seq.var. = ?

DNA(specification)—
GSTA5 gene;
sequence variation
 name of component: glutathione S-transferase A5
[NPU47135](#)
 DNA(spec.)—GSTA5 gene; seq.var. = ?

DNA(specification)—
GSTAP1 gene;
sequence variation
 name of component: glutathione S-transferase A
 pseudogene 1
[NPU33739](#)
 DNA(spec.)—GSTAP1 gene; seq.var. = ?

DNA(specification)—
GSTAP2 gene;
sequence variation
 name of component: glutathione S-transferase A
 pseudogene 2
[NPU33740](#)
 DNA(spec.)—GSTAP2 gene; seq.var. = ?

DNA(specification)—
GSTM1 gene;
sequence variation
 name of component: glutathione S-transferase M1
[NPU19236](#)
 DNA(spec.)—GSTM1 gene; seq.var. = ?

DNA(specification)—
GSTM1L gene;
sequence variation
 name of component: glutathione S-transferase M1-
 like
[NPU33741](#)
 DNA(spec.)—GSTM1L gene; seq.var. = ?

DNA(specification)—
GSTM2 gene;
sequence variation
 name of component: glutathione S-transferase M2
 (muscle)
[NPU33742](#)
 DNA(spec.)—GSTM2 gene; seq.var. = ?

DNA(specification)—
GSTM3 gene;
sequence variation
 name of component: glutathione S-transferase M3
 (brain)
[NPU33743](#)
 DNA(spec.)—GSTM3 gene; seq.var. = ?

DNA(specification)—
GSTM3P gene;
sequence variation
 name of component: glutathione S-transferase M3
 pseudogene
[NPU44586](#)
 DNA(spec.)—GSTM3P gene; seq.var. = ?

DNA(specification)—
GSTM4 gene;
sequence variation
 name of component: glutathione S-transferase M4
[NPU33744](#)
 DNA(spec.)—GSTM4 gene; seq.var. = ?

DNA(specification)—
GSTM5 gene;
sequence variation
 name of component: glutathione S-transferase M5
[NPU33745](#)
 DNA(spec.)—GSTM5 gene; seq.var. = ?

DNA(specification)—
GSTP1 gene;
sequence variation
 name of component: glutathione S-transferase pi
[NPU33746](#)
 DNA(spec.)—GSTP1 gene; seq.var. = ?

DNA(specification)—
GSTPP gene;
sequence variation
 name of component: glutathione S-transferase pi
 pseudogene
[NPU33747](#)
 DNA(spec.)—GSTPP gene; seq.var. = ?

DNA(specification)—
GSTT1 gene;
sequence variation
 name of component: glutathione S-transferase theta
 1
[NPU33748](#)
 DNA(spec.)—GSTT1 gene; seq.var. = ?

DNA(specification)—
GSTT2 gene;
sequence variation
 name of component: glutathione S-transferase theta
 2
[NPU33749](#)
 DNA(spec.)—GSTT2 gene; seq.var. = ?

DNA(specification)—**GSTZ1 gene;****sequence variation**

name of component: glutathione transferase zeta 1
(maleylacetoacetate isomerase)

[NPU33750](#)

DNA(spec.)—GSTZ1 gene; seq.var. = ?

DNA(specification)—**GTA gene;****sequence variation**

name of component: galactosyltransferase activator

[NPU33751](#)

DNA(spec.)—GTA gene; seq.var. = ?

DNA(specification)—**GTF2A1 gene;****sequence variation**

name of component: general transcription factor
IIA, 1, 19/37 kDa

[NPU33752](#)

DNA(spec.)—GTF2A1 gene; seq.var. = ?

DNA(specification)—**GTF2A2 gene;****sequence variation**

name of component: general transcription factor
IIA, 2, 12 kDa

[NPU33753](#)

DNA(spec.)—GTF2A2 gene; seq.var. = ?

DNA(specification)—**GTF2B gene;****sequence variation**

name of component: general transcription factor
IIB

[NPU33754](#)

DNA(spec.)—GTF2B gene; seq.var. = ?

DNA(specification)—**GTF2E1 gene;****sequence variation**

name of component: general transcription factor
IIE, polypeptide 1, alpha 56 kDa

[NPU33755](#)

DNA(spec.)—GTF2E1 gene; seq.var. = ?

DNA(specification)—**GTF2E2 gene;****sequence variation**

name of component: general transcription factor
IIE, polypeptide 2, beta 34 kDa

[NPU33756](#)

DNA(spec.)—GTF2E2 gene; seq.var. = ?

DNA(specification)—**GTF2F1 gene;****sequence variation**

name of component: general transcription factor
IIF, polypeptide 1, 74 kDa

[NPU33757](#)

DNA(spec.)—GTF2F1 gene; seq.var. = ?

DNA(specification)—**GTF2F2 gene;****sequence variation**

name of component: general transcription factor
IIF, polypeptide 2, 30 kDa

[NPU33758](#)

DNA(spec.)—GTF2F2 gene; seq.var. = ?

DNA(specification)—**GTF2F2L gene;****sequence variation**

name of component: general transcription factor
IIF, polypeptide 2-like

[NPU33759](#)

DNA(spec.)—GTF2F2L gene; seq.var. = ?

DNA(specification)—**GTF2H1 gene;****sequence variation**

name of component: general transcription factor
IIH, polypeptide 1, 62 kDa

[NPU33760](#)

DNA(spec.)—GTF2H1 gene; seq.var. = ?

DNA(specification)—**GTF2H2 gene;****sequence variation**

name of component: general transcription factor
IIH, polypeptide 2, 44 kDa

[NPU33761](#)

DNA(spec.)—GTF2H2 gene; seq.var. = ?

DNA(specification)—**GTF2H3 gene;****sequence variation**

name of component: general transcription factor
IIH, polypeptide 3, 34 kDa

[NPU33762](#)

DNA(spec.)—GTF2H3 gene; seq.var. = ?

DNA(specification)—**GTF2H4 gene;****sequence variation**

name of component: general transcription factor
IIH, polypeptide 4, 52 kDa

[NPU33763](#)

DNA(spec.)—GTF2H4 gene; seq.var. = ?

DNA(specification)—**GTF2I gene;****sequence variation**

name of component: general transcription factor II, i

[NPU33764](#)

DNA(spec.)—GTF2I gene; seq.var. = ?

DNA(specification)—**GTF2IP1 gene;****sequence variation**

name of component: general transcription factor II, i, pseudogene 1

[NPU33765](#)

DNA(spec.)—GTF2IP1 gene; seq.var. = ?

DNA(specification)—**GTF2IP2 gene;****sequence variation**

name of component: general transcription factor II, i, pseudogene 2

[NPU44130](#)

DNA(spec.)—GTF2IP2 gene; seq.var. = ?

DNA(specification)—**GTF2IRD1 gene;****sequence variation**

name of component: GTF2I repeat domain containing 1

[NPU33766](#)

DNA(spec.)—GTF2IRD1 gene; seq.var. = ?

DNA(specification)—**GTF3A gene;****sequence variation**

name of component: general transcription factor IIIA

[NPU33767](#)

DNA(spec.)—GTF3A gene; seq.var. = ?

DNA(specification)—**GTF3BAP1 gene;****sequence variation**

name of component: general transcription factor IIIB, associated protein 1

[NPU40586](#)

DNA(spec.)—GTF3BAP1 gene; seq.var. = ?

DNA(specification)—**GTF3BAP2 gene;****sequence variation**

name of component: general transcription factor IIIB, associated protein 2

[NPU40587](#)

DNA(spec.)—GTF3BAP2 gene; seq.var. = ?

DNA(specification)—**GTF3BAP3 gene;****sequence variation**

name of component: general transcription factor IIIB, associated protein 3

[NPU40589](#)

DNA(spec.)—GTF3BAP3 gene; seq.var. = ?

DNA(specification)—**GTF3C1 gene;****sequence variation**

name of component: general transcription factor IIIC, polypeptide 1, alpha 220 kDa

[NPU33768](#)

DNA(spec.)—GTF3C1 gene; seq.var. = ?

DNA(specification)—**GTF3C2 gene;****sequence variation**

name of component: general transcription factor IIIC, polypeptide 2, beta 110 kDa

[NPU33769](#)

DNA(spec.)—GTF3C2 gene; seq.var. = ?

DNA(specification)—**GTF3C3 gene;****sequence variation**

name of component: general transcription factor IIIC, polypeptide 3, 102 kDa

[NPU33770](#)

DNA(spec.)—GTF3C3 gene; seq.var. = ?

DNA(specification)—**GTF3C4 gene;****sequence variation**

name of component: general transcription factor IIIC, polypeptide 4, 90 kDa

[NPU33771](#)

DNA(spec.)—GTF3C4 gene; seq.var. = ?

DNA(specification)—**GTF3C5 gene;****sequence variation**

name of component: general transcription factor IIIC, polypeptide 5, 63 kDa

[NPU33772](#)

DNA(spec.)—GTF3C5 gene; seq.var. = ?

DNA(specification)—**GTPBP1 gene;****sequence variation**

name of component: GTP binding protein 1

[NPU33773](#)

DNA(spec.)—GTPBP1 gene; seq.var. = ?

DNA(specification)—**GTPBP2 gene;****sequence variation**

name of component: GTP binding protein 2

[NPU33774](#)

DNA(spec.)—GTPBP2 gene; seq.var. = ?

DNA(specification)—**GTPBP5 gene;****sequence variation**

name of component: GTP binding protein 5 (putative)

[NPU44281](#)

DNA(spec.)—GTPBP5 gene; seq.var. = ?

DNA(specification)—**GTS gene;****sequence variation**

name of component: Gilles de la Tourette syndrome

[NPU33775](#)

DNA(spec.)—GTS gene; seq.var. = ?

DNA(specification)—**GTSE1 gene;****sequence variation**

name of component: G-2 and S-phase expressed 1

[NPU42273](#)

DNA(spec.)—GTSE1 gene; seq.var. = ?

DNA(specification)—**GUCA1A gene;****sequence variation**

name of component: guanylate cyclase activator 1A (retina)

[NPU33776](#)

DNA(spec.)—GUCA1A gene; seq.var. = ?

DNA(specification)—**GUCA1B gene;****sequence variation**

name of component: guanylate cyclase activator 1B (retina)

[NPU33777](#)

DNA(spec.)—GUCA1B gene; seq.var. = ?

DNA(specification)—**GUCA1C gene;****sequence variation**

name of component: guanylate cyclase activator 1C

[NPU33778](#)

DNA(spec.)—GUCA1C gene; seq.var. = ?

DNA(specification)—**GUCA2A gene;****sequence variation**

name of component: guanylate cyclase activator 2A (guanylin)

[NPU33779](#)

DNA(spec.)—GUCA2A gene; seq.var. = ?

DNA(specification)—**GUCA2B gene;****sequence variation**

name of component: guanylate cyclase activator 2B (uroguanylin)

[NPU33780](#)

DNA(spec.)—GUCA2B gene; seq.var. = ?

DNA(specification)—**GUCY1A2 gene;****sequence variation**

name of component: guanylate cyclase 1, soluble, alpha 2

[NPU33781](#)

DNA(spec.)—GUCY1A2 gene; seq.var. = ?

DNA(specification)—**GUCY1A3 gene;****sequence variation**

name of component: guanylate cyclase 1, soluble, alpha 3

[NPU33782](#)

DNA(spec.)—GUCY1A3 gene; seq.var. = ?

DNA(specification)—**GUCY1B2 gene;****sequence variation**

name of component: guanylate cyclase 1, soluble, beta 2

[NPU33783](#)

DNA(spec.)—GUCY1B2 gene; seq.var. = ?

DNA(specification)—**GUCY1B3 gene;****sequence variation**

name of component: guanylate cyclase 1, soluble, beta 3

[NPU33784](#)

DNA(spec.)—GUCY1B3 gene; seq.var. = ?

DNA(specification)—**GUCY2C gene;****sequence variation**

name of component: guanylate cyclase 2C (heat stable enterotoxin receptor)

[NPU33785](#)

DNA(spec.)—GUCY2C gene; seq.var. = ?

DNA(specification)—**GUCY2D gene;****sequence variation**

name of component: guanylate cyclase 2D, membrane (retina-specific)

[NPU33786](#)

DNA(spec.)—GUCY2D gene; seq.var. = ?

DNA(specification)—**GUCY2E gene;****sequence variation**

name of component: guanylate cyclase 2E

[NPU33787](#)

DNA(spec.)—GUCY2E gene; seq.var. = ?

DNA(specification)—**GUCY2F gene;****sequence variation**

name of component: guanylate cyclase 2F, retinal

[NPU33788](#)

DNA(spec.)—GUCY2F gene; seq.var. = ?

DNA(specification)—**GUK1 gene;****sequence variation**

name of component: guanylate kinase 1

[NPU33789](#)

DNA(spec.)—GUK1 gene; seq.var. = ?

DNA(specification)—**GUK2 gene;****sequence variation**

name of component: guanylate kinase 2

[NPU33790](#)

DNA(spec.)—GUK2 gene; seq.var. = ?

DNA(specification)—**GULOP gene;****sequence variation**

name of component: gulonolactone (L-) oxidase pseudogene

[NPU33791](#)

DNA(spec.)—GULOP gene; seq.var. = ?

DNA(specification)—**GUSB gene;****sequence variation**

name of component: glucuronidase, beta

[NPU19101](#)

DNA(spec.)—GUSB gene; seq.var. = ?

DNA(specification)—**GUSM gene;****sequence variation**

name of component: glucuronidase, beta (mouse) modifier of

[NPU33792](#)

DNA(spec.)—GUSM gene; seq.var. = ?

DNA(specification)—**GYG gene;****sequence variation**

name of component: glycogenin

[NPU33793](#)

DNA(spec.)—GYG gene; seq.var. = ?

DNA(specification)—**GYG2 gene;****sequence variation**

name of component: glycogenin 2

[NPU33794](#)

DNA(spec.)—GYG2 gene; seq.var. = ?

DNA(specification)—**GYG2P gene;****sequence variation**

name of component: glycogenin 2 pseudogene

[NPU33795](#)

DNA(spec.)—GYG2P gene; seq.var. = ?

DNA(specification)—**GYPA gene;****sequence variation**

name of component: glycophorin A (includes MN blood group)

[NPU33796](#)

DNA(spec.)—GYPA gene; seq.var. = ?

DNA(specification)—**GYPB gene;****sequence variation**

name of component: glycophorin B (includes Ss blood group)

[NPU33797](#)

DNA(spec.)—GYPB gene; seq.var. = ?

DNA(specification)—**GYPC gene;****sequence variation**

name of component: glycophorin C (Gerbich blood group)

[NPU33798](#)

DNA(spec.)—GYPC gene; seq.var. = ?

DNA(specification)—**GYPE gene;****sequence variation**

name of component: glycophorin E

[NPU33799](#)

DNA(spec.)—GYPE gene; seq.var. = ?

DNA(specification)—**GYS1 gene;****sequence variation**

name of component: glycogen synthase 1 (muscle)

[NPU33800](#)

DNA(spec.)—GYS1 gene; seq.var. = ?

DNA(specification)—**GYS2 gene;****sequence variation**

name of component: glycogen synthase 2 (liver)

[NPU33801](#)

DNA(spec.)—GYS2 gene; seq.var. = ?

DNA(specification)—**GZMA gene;****sequence variation**

name of component: granzyme A (granzyme 1, cytotoxic T-lymphocyte-associated serine esterase 3)

[NPU33802](#)

DNA(spec.)—GZMA gene; seq.var. = ?

DNA(specification)—**GZMB gene;****sequence variation**

name of component: granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1)

[NPU33803](#)

DNA(spec.)—GZMB gene; seq.var. = ?

DNA(specification)—**GZMH gene;****sequence variation**

name of component: granzyme H (cathepsin G-like 2, protein h-CCPX)

[NPU33804](#)

DNA(spec.)—GZMH gene; seq.var. = ?

DNA(specification)—**GZMK gene;****sequence variation**

name of component: granzyme K (serine protease, granzyme 3; tryptase II)

[NPU33805](#)

DNA(spec.)—GZMK gene; seq.var. = ?

DNA(specification)—**GZMM gene;****sequence variation**

name of component: granzyme M (lymphocyte met-ase 1)

[NPU33806](#)

DNA(spec.)—GZMM gene; seq.var. = ?

DNA(specification)—**GAA gene;****sequence variation**

name of component: glucosidase, alpha; acid (Pompe disease, glycogen storage disease type II)

[NPU19102](#)

DNA(spec.)—GAA gene; seq.var. = ?

DNA(specification)—**H19 gene;****sequence variation**

name of component: H19, imprinted maternally expressed untranslated mRNA

[NPU33807](#)

DNA(spec.)—H19 gene; seq.var. = ?

DNA(specification)—**H1F0 gene;****sequence variation**

name of component: H1 histone family, member 0

[NPU33808](#)

DNA(spec.)—H1F0 gene; seq.var. = ?

DNA(specification)—**H1FX gene;****sequence variation**

name of component: H1 histone family, member X

[NPU33815](#)

DNA(spec.)—H1FX gene; seq.var. = ?

DNA(specification)—**H2AFB gene;****sequence variation**

name of component: H2A histone family, member B

[NPU42770](#)

DNA(spec.)—H2AFB gene; seq.var. = ?

DNA(specification)—**H2AFFP gene;****sequence variation**

name of component: H2A histone family, member F, pseudogene

[NPU33820](#)

DNA(spec.)—H2AFFP gene; seq.var. = ?

DNA(specification)—**H2AFJ gene;****sequence variation**

name of component: H2A histone family, member J

[NPU42771](#)

DNA(spec.)—H2AFJ gene; seq.var. = ?

DNA(specification)—**H2AFKP gene;****sequence variation**

name of component: H2A histone family, member K, pseudogene

[NPU33823](#)

DNA(spec.)—H2AFKP gene; seq.var. = ?

DNA(specification)—**H2AFTP gene;****sequence variation**

name of component: H2A histone family, member T, pseudogene

[NPU46673](#)

DNA(spec.)—H2AFTP gene; seq.var. = ?

DNA(specification)—**H2AFX gene;****sequence variation**

name of component: H2A histone family, member X

[NPU33830](#)

DNA(spec.)—H2AFX gene; seq.var. = ?

DNA(specification)—**H2AFY gene;****sequence variation**

name of component: H2A histone family, member Y

[NPU33831](#)

DNA(spec.)—H2AFY gene; seq.var. = ?

DNA(specification)—**H2AFY2 gene;****sequence variation**

name of component: H2A histone family, member Y2

[NPU42768](#)

DNA(spec.)—H2AFY2 gene; seq.var. = ?

DNA(specification)—**H2AFZ gene;****sequence variation**

name of component: H2A histone family, member Z

[NPU33832](#)

DNA(spec.)—H2AFZ gene; seq.var. = ?

DNA(specification)—**H2AFZP gene;****sequence variation**

name of component: H2A histone family, member Z, pseudogene

[NPU33833](#)

DNA(spec.)—H2AFZP gene; seq.var. = ?

DNA(specification)—**H2BFIP gene;****sequence variation**

name of component: H2B histone family, member I, pseudogene

[NPU33842](#)

DNA(spec.)—H2BFIP gene; seq.var. = ?

DNA(specification)—**H2BFO gene;****sequence variation**

name of component: H2B histone family, member O

[NPU33847](#)

DNA(spec.)—H2BFO gene; seq.var. = ?

DNA(specification)—**H2BFS gene;****sequence variation**

name of component: H2B histone family, member S

[NPU33850](#)

DNA(spec.)—H2BFS gene; seq.var. = ?

DNA(specification)—**H3F3A gene;****sequence variation**

name of component: H3 histone, family 3A

[NPU33851](#)

DNA(spec.)—H3F3A gene; seq.var. = ?

DNA(specification)—**H3F3B gene;****sequence variation**

name of component: H3 histone, family 3B (H3.3B)

[NPU33852](#)

DNA(spec.)—H3F3B gene; seq.var. = ?

DNA(specification)—**H3FEP gene;****sequence variation**

name of component: H3 histone family, member E, pseudogene

[NPU33857](#)

DNA(spec.)—H3FEP gene; seq.var. = ?

DNA(specification)—**H4F3 gene;****sequence variation**

name of component: H4 histone, family 3

[NPU33865](#)

DNA(spec.)—H4F3 gene; seq.var. = ?

DNA(specification)—**H4FFP gene;****sequence variation**

name of component: H4 histone family, member F, pseudogene

[NPU33871](#)

DNA(spec.)—H4FFP gene; seq.var. = ?

DNA(specification)—**H6PD gene;****sequence variation**

name of component: hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)

[NPU33880](#)

DNA(spec.)—H6PD gene; seq.var. = ?

DNA(specification)—**HABP2 gene;****sequence variation**

name of component: hyaluronan binding protein 2

[NPU33882](#)

DNA(spec.)—HABP2 gene; seq.var. = ?

DNA(specification)—**HABP4 gene;****sequence variation**

name of component: hyaluronan binding protein 4

[NPU44833](#)

DNA(spec.)—HABP4 gene; seq.var. = ?

DNA(specification)—**HACE1 gene;****sequence variation**

name of component: HECT domain and ankyrin repeat containing, E3 ubiquitin protein ligase 1

[NPU47839](#)

DNA(spec.)—HACE1 gene; seq.var. = ?

DNA(specification)—**HADH gene;****sequence variation**

name of component: hydroxyacyl-Coenzyme A dehydrogenase

[NPU33883](#)

DNA(spec.)—HADH gene; seq.var. = ?

DNA(specification)—**HADH2 gene;****sequence variation**

name of component: hydroxyacyl-Coenzyme A dehydrogenase, type II

[NPU33884](#)

DNA(spec.)—HADH2 gene; seq.var. = ?

DNA(specification)—**HADHA gene;****sequence variation**

name of component: hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), alpha subunit

[NPU33885](#)

DNA(spec.)—HADHA gene; seq.var. = ?

DNA(specification)—**HADHAP gene;****sequence variation**

name of component: hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase pseudogene (gastrin binding protein pseudogene)

[NPU33886](#)

DNA(spec.)—HADHAP gene; seq.var. = ?

DNA(specification)—**HADHB gene;****sequence variation**

name of component: hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), beta subunit

[NPU19103](#)

DNA(spec.)—HADHB gene; seq.var. = ?

DNA(specification)—**HADHSC gene;****sequence variation**

name of component: L-3-hydroxyacyl-Coenzyme A dehydrogenase, short chain

[NPU33887](#)

DNA(spec.)—HADHSC gene; seq.var. = ?

DNA(specification)—**HAGH gene;****sequence variation**

name of component: hydroxyacyl glutathione hydrolase

[NPU33888](#)

DNA(spec.)—HAGH gene; seq.var. = ?

DNA(specification)—**HAGHL gene;****sequence variation**

name of component: hydroxyacyl glutathione hydrolase-like

[NPU42569](#)

DNA(spec.)—HAGHL gene; seq.var. = ?

DNA(specification)—**HAL gene;****sequence variation**

name of component: histidine ammonia-lyase

[NPU33889](#)

DNA(spec.)—HAL gene; seq.var. = ?

DNA(specification)—**HAMP gene;****sequence variation**

name of component: hepcidin antimicrobial peptide

[NPU43772](#)

DNA(spec.)—HAMP gene; seq.var. = ?

DNA(specification)—**HAND1 gene;****sequence variation**

name of component: heart and neural crest derivatives expressed 1

[NPU33890](#)

DNA(spec.)—HAND1 gene; seq.var. = ?

DNA(specification)—**HAND2 gene;****sequence variation**

name of component: heart and neural crest derivatives expressed 2

[NPU33891](#)

DNA(spec.)—HAND2 gene; seq.var. = ?

DNA(specification)—**HAO1 gene;****sequence variation**

name of component: hydroxyacid oxidase (glycolate oxidase) 1

[NPU33892](#)

DNA(spec.)—HAO1 gene; seq.var. = ?

DNA(specification)—**HAO2 gene;****sequence variation**

name of component: hydroxyacid oxidase 2 (long chain)

[NPU33893](#)

DNA(spec.)—HAO2 gene; seq.var. = ?

DNA(specification)—**HAP1 gene;****sequence variation**

name of component: huntingtin-associated protein 1 (neuroan 1)

[NPU33894](#)

DNA(spec.)—HAP1 gene; seq.var. = ?

DNA(specification)—**HAPIP gene;****sequence variation**

name of component: huntingtin-associated protein interacting protein (duo)

[NPU33895](#)

DNA(spec.)—HAPIP gene; seq.var. = ?

DNA(specification)—**HAPP gene;****sequence variation**

name of component: huntingtin-associated protein 1, pseudogene

[NPU33896](#)

DNA(spec.)—HAPP gene; seq.var. = ?

DNA(specification)—**HARS gene;****sequence variation**

name of component: histidyl-tRNA synthetase

[NPU33897](#)

DNA(spec.)—HARS gene; seq.var. = ?

DNA(specification)—**HARS2 gene;****sequence variation**

name of component: histidyl-tRNA synthetase 2

[NPU44262](#)

DNA(spec.)—HARS2 gene; seq.var. = ?

DNA(specification)—**HARSL gene;****sequence variation**

name of component: histidyl-tRNA synthetase-like

[NPU33898](#)

DNA(spec.)—HARSL gene; seq.var. = ?

DNA(specification)—**HAS1 gene;****sequence variation**

name of component: hyaluronan synthase 1

[NPU33899](#)

DNA(spec.)—HAS1 gene; seq.var. = ?

DNA(specification)—**HAS2 gene;****sequence variation**

name of component: hyaluronan synthase 2

[NPU33900](#)

DNA(spec.)—HAS2 gene; seq.var. = ?

DNA(specification)—**HAS3 gene;****sequence variation**

name of component: hyaluronan synthase 3

[NPU33901](#)

DNA(spec.)—HAS3 gene; seq.var. = ?

DNA(specification)—**HAT1 gene;****sequence variation**

name of component: histone acetyltransferase 1

[NPU33902](#)

DNA(spec.)—HAT1 gene; seq.var. = ?

DNA(specification)—**HAVCR1 gene;****sequence variation**

name of component: hepatitis A virus cellular receptor 1

[NPU46152](#)

DNA(spec.)—HAVCR1 gene; seq.var. = ?

DNA(specification)—**HAVCR2 gene;****sequence variation**

name of component: hepatitis A virus cellular receptor 2

[NPU46461](#)

DNA(spec.)—HAVCR2 gene; seq.var. = ?

DNA(specification)—**HBA1 gene;****sequence variation**

name of component: hemoglobin, alpha 1

[NPU19105](#)

DNA(spec.)—HBA1 gene; seq.var. = ?

DNA(specification)—**HBA2 gene;****sequence variation**

name of component: hemoglobin, alpha 2

[NPU19106](#)

DNA(spec.)—HBA2 gene; seq.var. = ?

DNA(specification)—**HBAP1 gene;****sequence variation**

name of component: hemoglobin, alpha pseudogene 1

[NPU33903](#)

DNA(spec.)—HBAP1 gene; seq.var. = ?

DNA(specification)—**HBAP2 gene;****sequence variation**

name of component: hemoglobin, alpha pseudogene 2

[NPU33904](#)

DNA(spec.)—HBAP2 gene; seq.var. = ?

DNA(specification)—**HBB gene;****sequence variation**

name of component: hemoglobin, beta

[NPU19107](#)

DNA(spec.)—HBB gene; seq.var. = ?

DNA(specification)—**HBB gene(MIM141900.0243);****entitit number(0 1 2)**

[NPU19291](#)

DNA(spec.)—HBB gene(MIM141900.0243); entitit num.(0 1 2) = ?

DNA(specification)—**HBBP1 gene;****sequence variation**

name of component: hemoglobin, beta pseudogene 1

[NPU33905](#)

DNA(spec.)—HBBP1 gene; seq.var. = ?

DNA(specification)—**HBD gene;****sequence variation**

name of component: hemoglobin, delta

[NPU19108](#)

DNA(spec.)—HBD gene; seq.var. = ?

DNA(specification)—**HBE1 gene;****sequence variation**

name of component: hemoglobin, epsilon 1

[NPU33906](#)

DNA(spec.)—HBE1 gene; seq.var. = ?

DNA(specification)—**HBG1 gene;****sequence variation**

name of component: hemoglobin, gamma A

[NPU33907](#)

DNA(spec.)—HBG1 gene; seq.var. = ?

DNA(specification)—**HBG2 gene;****sequence variation**

name of component: hemoglobin, gamma G

[NPU33908](#)

DNA(spec.)—HBG2 gene; seq.var. = ?

DNA(specification)—**HBLD1 gene;****sequence variation**

name of component: HESB like domain containing 1

[NPU47278](#)

DNA(spec.)—HBLD1 gene; seq.var. = ?

DNA(specification)—**HBQ1 gene;****sequence variation**

name of component: hemoglobin, theta 1

[NPU33909](#)

DNA(spec.)—HBQ1 gene; seq.var. = ?

DNA(specification)—**HBS1L gene;****sequence variation**

name of component: HBS1-like (*S. cerevisiae*)

[NPU33910](#)

DNA(spec.)—HBS1L gene; seq.var. = ?

DNA(specification)—**HBXAP gene;****sequence variation**

name of component: hepatitis B virus x associated protein

[NPU46306](#)

DNA(spec.)—HBXAP gene; seq.var. = ?

DNA(specification)—**HBXIP gene;****sequence variation**

name of component: hepatitis B virus x interacting protein

[NPU46192](#)

DNA(spec.)—HBXIP gene; seq.var. = ?

DNA(specification)—**HBZ gene;****sequence variation**

name of component: hemoglobin, zeta

[NPU33911](#)

DNA(spec.)—HBZ gene; seq.var. = ?

DNA(specification)—**HBZP gene;****sequence variation**

name of component: hemoglobin, zeta pseudogene

[NPU33912](#)

DNA(spec.)—HBZP gene; seq.var. = ?

DNA(specification)—**HCCS gene;****sequence variation**

name of component: holocytochrome c synthase (cytochrome c heme-lyase)

[NPU33913](#)

DNA(spec.)—HCCS gene; seq.var. = ?

DNA(specification)—**HCFC1 gene;****sequence variation**

name of component: host cell factor C1 (VP16-accessory protein)

[NPU33915](#)

DNA(spec.)—HCFC1 gene; seq.var. = ?

DNA(specification)—**HCHOLA4 gene;****sequence variation**

name of component: hypercholesterolemia, autosomal dominant 4

[NPU46541](#)

DNA(spec.)—HCHOLA4 gene; seq.var. = ?

DNA(specification)—**HCK gene;****sequence variation**

name of component: hemopoietic cell kinase

[NPU33916](#)

DNA(spec.)—HCK gene; seq.var. = ?

DNA(specification)—**HCL1 gene;****sequence variation**

name of component: hair color 1 (brown)

[NPU33917](#)

DNA(spec.)—HCL1 gene; seq.var. = ?

DNA(specification)—**HCL2 gene;****sequence variation**

name of component: hair color 2 (red)

[NPU33918](#)

DNA(spec.)—HCL2 gene; seq.var. = ?

DNA(specification)—**HCL3 gene;****sequence variation**

name of component: hair color 3 (brown)

[NPU33919](#)

DNA(spec.)—HCL3 gene; seq.var. = ?

DNA(specification)—**HCLS1 gene;****sequence variation**

name of component: hematopoietic cell-specific Lyn substrate 1

[NPU33920](#)

DNA(spec.)—HCLS1 gene; seq.var. = ?

DNA(specification)—**HCN1 gene;****sequence variation**

name of component: hyperpolarization activated cyclic nucleotide-gated potassium channel 1

[NPU33921](#)

DNA(spec.)—HCN1 gene; seq.var. = ?

DNA(specification)—**HCN2 gene;****sequence variation**

name of component: hyperpolarization activated cyclic nucleotide-gated potassium channel 2

[NPU33922](#)

DNA(spec.)—HCN2 gene; seq.var. = ?

DNA(specification)—**HCN3 gene;****sequence variation**

name of component: hyperpolarization activated cyclic nucleotide-gated potassium channel 3

[NPU46909](#)

DNA(spec.)—HCN3 gene; seq.var. = ?

DNA(specification)—**HCN4 gene;****sequence variation**

name of component: hyperpolarization activated cyclic nucleotide-gated potassium channel 4

[NPU44758](#)

DNA(spec.)—HCN4 gene; seq.var. = ?

DNA(specification)—**HCRT gene;****sequence variation**

name of component: hypocretin (orexin) neuropeptide precursor

[NPU33923](#)

DNA(spec.)—HCRT gene; seq.var. = ?

DNA(specification)—**HCRT1 gene;****sequence variation**

name of component: hypocretin (orexin) receptor 1

[NPU33924](#)

DNA(spec.)—HCRT1 gene; seq.var. = ?

DNA(specification)—**HCRT2 gene;****sequence variation**

name of component: hypocretin (orexin) receptor 2

[NPU33925](#)

DNA(spec.)—HCRT2 gene; seq.var. = ?

DNA(specification)—**HCVS gene;****sequence variation**

name of component: human coronavirus sensitivity

[NPU33926](#)

DNA(spec.)—HCVS gene; seq.var. = ?

DNA(specification)—**HD gene;****sequence variation**

name of component: huntingtin (Huntington disease)

[NPU19109](#)

DNA(spec.)—HD gene; seq.var. = ?

DNA(specification)—**HDAC1 gene;****sequence variation**

name of component: histone deacetylase 1

[NPU33927](#)

DNA(spec.)—HDAC1 gene; seq.var. = ?

DNA(specification)—**HDAC10 gene;****sequence variation**

name of component: histone deacetylase 10

[NPU46314](#)

DNA(spec.)—HDAC10 gene; seq.var. = ?

DNA(specification)—**HDAC11 gene;****sequence variation**

name of component: histone deacetylase 11

[NPU46854](#)

DNA(spec.)—HDAC11 gene; seq.var. = ?

DNA(specification)—**HDAC2 gene;****sequence variation**

name of component: histone deacetylase 2

[NPU33928](#)

DNA(spec.)—HDAC2 gene; seq.var. = ?

DNA(specification)—**HDAC3 gene;****sequence variation**

name of component: histone deacetylase 3

[NPU33929](#)

DNA(spec.)—HDAC3 gene; seq.var. = ?

DNA(specification)—**HDAC4 gene;****sequence variation**

name of component: histone deacetylase 4

[NPU42486](#)

DNA(spec.)—HDAC4 gene; seq.var. = ?

DNA(specification)—**HDAC5 gene;****sequence variation**

name of component: histone deacetylase 5

[NPU42490](#)

DNA(spec.)—HDAC5 gene; seq.var. = ?

DNA(specification)—**HDAC6 gene;****sequence variation**

name of component: histone deacetylase 6

[NPU42487](#)

DNA(spec.)—HDAC6 gene; seq.var. = ?

DNA(specification)—**HDAC7A gene;****sequence variation**

name of component: histone deacetylase 7A

[NPU42489](#)

DNA(spec.)—HDAC7A gene; seq.var. = ?

DNA(specification)—**HDAC8 gene;****sequence variation**

name of component: histone deacetylase 8

[NPU42091](#)

DNA(spec.)—HDAC8 gene; seq.var. = ?

DNA(specification)—**HDAC9 gene;****sequence variation**

name of component: histone deacetylase 9

[NPU42488](#)

DNA(spec.)—HDAC9 gene; seq.var. = ?

DNA(specification)—**HDC gene;****sequence variation**

name of component: histidine decarboxylase

[NPU33930](#)

DNA(spec.)—HDC gene; seq.var. = ?

DNA(specification)—**HDGF gene;****sequence variation**

name of component: hepatoma-derived growth factor (high-mobility group protein 1-like)

[NPU33931](#)

DNA(spec.)—HDGF gene; seq.var. = ?

DNA(specification)—**HDLBP gene;****sequence variation**

name of component: high density lipoprotein binding protein (vigilin)

[NPU33932](#)

DNA(spec.)—HDLBP gene; seq.var. = ?

DNA(specification)—**HEBP1 gene;****sequence variation**

name of component: heme binding protein 1

[NPU44898](#)

DNA(spec.)—HEBP1 gene; seq.var. = ?

DNA(specification)—**HEBP2 gene;****sequence variation**

name of component: heme binding protein 2

[NPU43847](#)

DNA(spec.)—HEBP2 gene; seq.var. = ?

DNA(specification)—**HECTD1 gene;****sequence variation**

name of component: HECT domain containing 1

[NPU47458](#)

DNA(spec.)—HECTD1 gene; seq.var. = ?

DNA(specification)—**HELLS gene;****sequence variation**

name of component: helicase, lymphoid-specific

[NPU33933](#)

DNA(spec.)—HELLS gene; seq.var. = ?

DNA(specification)—**HELSNF1 gene;****sequence variation**

name of component: helicase with SNF2 domain 1

[NPU47454](#)

DNA(spec.)—HELSNF1 gene; seq.var. = ?

DNA(specification)—**HELZ gene;****sequence variation**

name of component: helicase with zinc finger domain

[NPU44756](#)

DNA(spec.)—HELZ gene; seq.var. = ?

DNA(specification)—**HEM1 gene;****sequence variation**

name of component: hematopoietic protein 1

[NPU33934](#)

DNA(spec.)—HEM1 gene; seq.var. = ?

DNA(specification)—**HEMGN gene;****sequence variation**

name of component: hemogen

[NPU46039](#)

DNA(spec.)—HEMGN gene; seq.var. = ?

DNA(specification)—**HEP10 gene;****sequence variation**

name of component: hepatic protein 10

[NPU33935](#)

DNA(spec.)—HEP10 gene; seq.var. = ?

DNA(specification)—**HEPH gene;****sequence variation**

name of component: hephaestin

[NPU33936](#)

DNA(spec.)—HEPH gene; seq.var. = ?

DNA(specification)—**HERC1 gene;****sequence variation**

name of component: hect (homologous to the E6-AP (UBE3A) carboxyl terminus) domain and RCC1 (CHC1)-like domain (RLD) 1

[NPU33937](#)

DNA(spec.)—HERC1 gene; seq.var. = ?

DNA(specification)—**HERC2 gene;****sequence variation**

name of component: hect domain and RLD 2

[NPU33938](#)

DNA(spec.)—HERC2 gene; seq.var. = ?

DNA(specification)—**HERC2P1 gene;****sequence variation**

name of component: hect domain and RLD 2 pseudogene 1

[NPU33939](#)

DNA(spec.)—HERC2P1 gene; seq.var. = ?

DNA(specification)—**HERC2P2 gene;****sequence variation**

name of component: hect domain and RLD 2 pseudogene 2

[NPU33940](#)

DNA(spec.)—HERC2P2 gene; seq.var. = ?

DNA(specification)—**HERC2P3 gene;****sequence variation**

name of component: hect domain and RLD 2 pseudogene 3

[NPU33941](#)

DNA(spec.)—HERC2P3 gene; seq.var. = ?

DNA(specification)—**HERC2P4 gene;****sequence variation**

name of component: hect domain and RLD 2 pseudogene 4

[NPU33942](#)

DNA(spec.)—HERC2P4 gene; seq.var. = ?

DNA(specification)—**HERC2P5 gene;****sequence variation**

name of component: hect domain and RLD 2 pseudogene 5

[NPU33943](#)

DNA(spec.)—HERC2P5 gene; seq.var. = ?

DNA(specification)—**HERC2P6 gene;****sequence variation**

name of component: hect domain and RLD 2 pseudogene 6

[NPU33944](#)

DNA(spec.)—HERC2P6 gene; seq.var. = ?

DNA(specification)—**HERC2P7 gene;****sequence variation**

name of component: hect domain and RLD 2 pseudogene 7

[NPU33945](#)

DNA(spec.)—HERC2P7 gene; seq.var. = ?

DNA(specification)—**HERC3 gene;****sequence variation**

name of component: hect domain and RLD 3

[NPU33946](#)

DNA(spec.)—HERC3 gene; seq.var. = ?

DNA(specification)—**HERPUD1 gene;****sequence variation**

name of component: homocysteine-inducible, endoplasmic reticulum stress-inducible, ubiquitin-like domain member 1

[NPU42306](#)

DNA(spec.)—HERPUD1 gene; seq.var. = ?

DNA(specification)—**HES1 gene;****sequence variation**

name of component: hairy and enhancer of split 1, (Drosophila)

[NPU34178](#)

DNA(spec.)—HES1 gene; seq.var. = ?

DNA(specification)—**HES5 gene;****sequence variation**

name of component: hairy and enhancer of split 5 (Drosophila)

[NPU47188](#)

DNA(spec.)—HES5 gene; seq.var. = ?

DNA(specification)—**HES6 gene;****sequence variation**

name of component: hairy and enhancer of split 6 (Drosophila)

[NPU46363](#)

DNA(spec.)—HES6 gene; seq.var. = ?

DNA(specification)—**HES7 gene;****sequence variation**

name of component: hairy and enhancer of split 7 (Drosophila)

[NPU44055](#)

DNA(spec.)—HES7 gene; seq.var. = ?

DNA(specification)—**HESX1 gene;****sequence variation**

name of component: homeo box (expressed in ES cells) 1

[NPU33947](#)

DNA(spec.)—HESX1 gene; seq.var. = ?

DNA(specification)—**HEXA gene;****sequence variation**

name of component: hexosaminidase A (alpha polypeptide)

[NPU19203](#)

DNA(spec.)—HEXA gene; seq.var. = ?

DNA(specification)—**HEXB gene;****sequence variation**

name of component: hexosaminidase B (beta polypeptide)

[NPU19110](#)

DNA(spec.)—HEXB gene; seq.var. = ?

DNA(specification)—**HEY1 gene;****sequence variation**

name of component: hairy/enhancer-of-split related with YRPW motif 1

[NPU33948](#)

DNA(spec.)—HEY1 gene; seq.var. = ?

DNA(specification)—**HEY2 gene;****sequence variation**

name of component: hairy/enhancer-of-split related with YRPW motif 2

[NPU33949](#)

DNA(spec.)—HEY2 gene; seq.var. = ?

DNA(specification)—**HEYL gene;****sequence variation**

name of component: hairy/enhancer-of-split related with YRPW motif-like

[NPU33950](#)

DNA(spec.)—HEYL gene; seq.var. = ?

DNA(specification)—**HF1 gene;****sequence variation**

name of component: H factor 1 (complement)

[NPU19233](#)

DNA(spec.)—HF1 gene; seq.var. = ?

DNA(specification)—**HF2 gene;****sequence variation**

name of component: H factor 2 (complement)

[NPU33951](#)

DNA(spec.)—HF2 gene; seq.var. = ?

DNA(specification)—**HFE gene;****sequence variation**

name of component: hemochromatosis

[NPU19111](#)

DNA(spec.)—HFE gene; seq.var. = ?

DNA(specification)—

HFE gene(MIM235200.0001);

entitic number(0 1 2)

NPU19276

DNA(spec.)—HFE gene(MIM235200.0001); entitic num.(0 1 2) = ?

DNA(specification)—

HFE gene(MIM235200.0002);

entitic number(0 1 2)

NPU19275

DNA(spec.)—HFE gene(MIM235200.0002); entitic num.(0 1 2) = ?

DNA(specification)—

HFE gene(MIM235200.0003);

entitic number(0 1 2)

NPU20192

DNA(spec.)—HFE gene(MIM235200.0003); entitic num.(0 1 2) = ?

DNA(specification)—**HFE2 gene;****sequence variation**

name of component: hemochromatosis type 2 (juvenile)

[NPU33952](#)

DNA(spec.)—HFE2 gene; seq.var. = ?

DNA(specification)—**HFL1 gene;****sequence variation**

name of component: H factor (complement)-like 1

[NPU33953](#)

DNA(spec.)—HFL1 gene; seq.var. = ?

DNA(specification)—**HFL2 gene;****sequence variation**

name of component: H factor (complement)-like 2

[NPU33954](#)

DNA(spec.)—HFL2 gene; seq.var. = ?

DNA(specification)—**HFL3 gene;****sequence variation**

name of component: H factor (complement)-like 3

[NPU33955](#)

DNA(spec.)—HFL3 gene; seq.var. = ?

DNA(specification)—**HGD gene;****sequence variation**

name of component: homogentisate 1,2-dioxygenase (homogentisate oxidase)

[NPU19112](#)

DNA(spec.)—HGD gene; seq.var. = ?

DNA(specification)—**HGF gene;****sequence variation**

name of component: hepatocyte growth factor (hepapoietin A; scatter factor)

[NPU33956](#)

DNA(spec.)—HGF gene; seq.var. = ?

DNA(specification)—**HGFAC gene;****sequence variation**

name of component: HGF activator

[NPU33957](#)

DNA(spec.)—HGFAC gene; seq.var. = ?

DNA(specification)—**HGPPS gene;****sequence variation**

name of component: horizontal gaze palsy with progressive scoliosis

[NPU47710](#)

DNA(spec.)—HGPPS gene; seq.var. = ?

DNA(specification)—**HGS gene;****sequence variation**

name of component: hepatocyte growth factor-regulated tyrosine kinase substrate

[NPU33958](#)

DNA(spec.)—HGS gene; seq.var. = ?

DNA(specification)—**HHC2 gene;****sequence variation**

name of component: hypocalciuric hypercalcemia 2

[NPU33959](#)

DNA(spec.)—HHC2 gene; seq.var. = ?

DNA(specification)—**HHC3 gene;****sequence variation**

name of component: hypocalciuric hypercalcemia 3 (Oklahoma type)

[NPU33960](#)

DNA(spec.)—HHC3 gene; seq.var. = ?

DNA(specification)—**HHEX gene;****sequence variation**

name of component: hematopoietically expressed homeobox

[NPU33961](#)

DNA(spec.)—HHEX gene; seq.var. = ?

DNA(specification)—**HHG gene;****sequence variation**

name of component: hypergonadotropic hypogonadism

[NPU33962](#)

DNA(spec.)—HHG gene; seq.var. = ?

DNA(specification)—**HHIP gene;****sequence variation**

name of component: hedgehog interacting protein

[NPU43123](#)

DNA(spec.)—HHIP gene; seq.var. = ?

DNA(specification)—**HHLA1 gene;****sequence variation**

name of component: HERV-H LTR-associating 1

[NPU33963](#)

DNA(spec.)—HHLA1 gene; seq.var. = ?

DNA(specification)—**HHLA2 gene;****sequence variation**

name of component: HERV-H LTR-associating 2

[NPU33964](#)

DNA(spec.)—HHLA2 gene; seq.var. = ?

DNA(specification)—**HHLA3 gene;****sequence variation**

name of component: HERV-H LTR-associating 3

[NPU33965](#)

DNA(spec.)—HHLA3 gene; seq.var. = ?

DNA(specification)—**HIBADH gene;****sequence variation**

name of component: 3-hydroxyisobutyrate dehydrogenase

[NPU33966](#)

DNA(spec.)—HIBADH gene; seq.var. = ?

DNA(specification)—**HIBCH gene;****sequence variation**

name of component: 3-hydroxyisobutyryl-Coenzyme A hydrolase

[NPU33967](#)

DNA(spec.)—HIBCH gene; seq.var. = ?

DNA(specification)—**HIC1 gene;****sequence variation**

name of component: hypermethylated in cancer 1

[NPU33968](#)

DNA(spec.)—HIC1 gene; seq.var. = ?

DNA(specification)—**HIC2 gene;****sequence variation**

name of component: hypermethylated in cancer 2

[NPU46563](#)

DNA(spec.)—HIC2 gene; seq.var. = ?

DNA(specification)—**HIF1A gene;****sequence variation**

name of component: hypoxia-inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)

[NPU33969](#)

DNA(spec.)—HIF1A gene; seq.var. = ?

DNA(specification)—**HIF1AN gene;****sequence variation**

name of component: hypoxia-inducible factor 1, alpha subunit inhibitor

[NPU44855](#)

DNA(spec.)—HIF1AN gene; seq.var. = ?

DNA(specification)—**HIF3A gene;****sequence variation**

name of component: hypoxia inducible factor 3, alpha subunit

[NPU43926](#)

DNA(spec.)—HIF3A gene; seq.var. = ?

DNA(specification)—**HINT1 gene;****sequence variation**

name of component: histidine triad nucleotide binding protein 1

[NPU33970](#)

DNA(spec.)—HINT1 gene; seq.var. = ?

DNA(specification)—**HINT2 gene;****sequence variation**

name of component: histidine triad nucleotide binding protein 2

[NPU46416](#)

DNA(spec.)—HINT2 gene; seq.var. = ?

DNA(specification)—**HINT3 gene;****sequence variation**

name of component: histidine triad nucleotide binding protein 3

[NPU46477](#)

DNA(spec.)—HINT3 gene; seq.var. = ?

DNA(specification)—**HIP1 gene;****sequence variation**

name of component: huntingtin interacting protein 1

[NPU33971](#)

DNA(spec.)—HIP1 gene; seq.var. = ?

DNA(specification)—**HIP2 gene;****sequence variation**

name of component: huntingtin interacting protein 2

[NPU33972](#)

DNA(spec.)—HIP2 gene; seq.var. = ?

DNA(specification)—**HIPK2 gene;****sequence variation**

name of component: homeodomain interacting protein kinase 2

[NPU42727](#)

DNA(spec.)—HIPK2 gene; seq.var. = ?

DNA(specification)—**HIPK3 gene;****sequence variation**

name of component: homeodomain interacting protein kinase 3

[NPU33973](#)

DNA(spec.)—HIPK3 gene; seq.var. = ?

DNA(specification)—**HIRA gene;****sequence variation**

name of component: HIR histone cell cycle regulation defective homolog A (*S. cerevisiae*)

[NPU33974](#)

DNA(spec.)—HIRA gene; seq.var. = ?

DNA(specification)—**HIRIP3 gene;****sequence variation**

name of component: HIRA interacting protein 3

[NPU33975](#)

DNA(spec.)—HIRIP3 gene; seq.var. = ?

DNA(specification)—**HIRIP5 gene;****sequence variation**

name of component: HIRA interacting protein 5

[NPU44322](#)

DNA(spec.)—HIRIP5 gene; seq.var. = ?

DNA(specification)—**HIST1H1A gene;****sequence variation**

name of component: histone 1, H1a

[NPU33809](#)

DNA(spec.)—HIST1H1A gene; seq.var. = ?

DNA(specification)—**HIST1H1B gene;****sequence variation**

name of component: histone 1, H1b

[NPU33813](#)

DNA(spec.)—HIST1H1B gene; seq.var. = ?

DNA(specification)—
HIST1H1C gene;
sequence variation
name of component: histone 1, H1c
[NPU33810](#)
DNA(spec.)—HIST1H1C gene; seq.var. = ?

DNA(specification)—
HIST1H1D gene;
sequence variation
name of component: histone 1, H1d
[NPU33811](#)
DNA(spec.)—HIST1H1D gene; seq.var. = ?

DNA(specification)—
HIST1H1E gene;
sequence variation
name of component: histone 1, H1e
[NPU33812](#)
DNA(spec.)—HIST1H1E gene; seq.var. = ?

DNA(specification)—
HIST1H1T gene;
sequence variation
name of component: histone 1, H1t
[NPU33814](#)
DNA(spec.)—HIST1H1T gene; seq.var. = ?

DNA(specification)—
HIST1H2AB gene;
sequence variation
name of component: histone 1, H2ab
[NPU33825](#)
DNA(spec.)—HIST1H2AB gene; seq.var. = ?

DNA(specification)—
HIST1H2AC gene;
sequence variation
name of component: histone 1, H2ac
[NPU33824](#)
DNA(spec.)—HIST1H2AC gene; seq.var. = ?

DNA(specification)—
HIST1H2AD gene;
sequence variation
name of component: histone 1, H2ad
[NPU33821](#)
DNA(spec.)—HIST1H2AD gene; seq.var. = ?

DNA(specification)—
HIST1H2AE gene;
sequence variation
name of component: histone 1, H2ae
[NPU33816](#)
DNA(spec.)—HIST1H2AE gene; seq.var. = ?

DNA(specification)—
HIST1H2AG gene;
sequence variation
name of component: histone 1, H2ag
[NPU33828](#)
DNA(spec.)—HIST1H2AG gene; seq.var. = ?

DNA(specification)—
HIST1H2AH gene;
sequence variation
name of component: histone 1, H2ah
[NPU42262](#)
DNA(spec.)—HIST1H2AH gene; seq.var. = ?

DNA(specification)—
HIST1H2AI gene;
sequence variation
name of component: histone 1, H2ai
[NPU33817](#)
DNA(spec.)—HIST1H2AI gene; seq.var. = ?

DNA(specification)—
HIST1H2AJ gene;
sequence variation
name of component: histone 1, H2aj
[NPU33819](#)
DNA(spec.)—HIST1H2AJ gene; seq.var. = ?

DNA(specification)—
HIST1H2AK gene;
sequence variation
name of component: histone 1, H2ak
[NPU33818](#)
DNA(spec.)—HIST1H2AK gene; seq.var. = ?

DNA(specification)—
HIST1H2AL gene;
sequence variation
name of component: histone 1, H2al
[NPU33822](#)
DNA(spec.)—HIST1H2AL gene; seq.var. = ?

DNA(specification)—
HIST1H2AM gene;
sequence variation
name of component: histone 1, H2am
[NPU33826](#)
DNA(spec.)—HIST1H2AM gene; seq.var. = ?

DNA(specification)—
HIST1H2BA gene;
sequence variation
name of component: histone 1, H2ba
[NPU46642](#)
DNA(spec.)—HIST1H2BA gene; seq.var. = ?

DNA(specification)—
HIST1H2BB gene;
sequence variation
name of component: histone 1, H2bb
[NPU33839](#)
DNA(spec.)—HIST1H2BB gene; seq.var. = ?

DNA(specification)—
HIST1H2BC gene;
sequence variation
name of component: histone 1, H2bc
[NPU33845](#)
DNA(spec.)—HIST1H2BC gene; seq.var. = ?

DNA(specification)—
HIST1H2BD gene;
sequence variation
name of component: histone 1, H2bd
[NPU33835](#)
DNA(spec.)—HIST1H2BD gene; seq.var. = ?

DNA(specification)—
HIST1H2BE gene;
sequence variation
name of component: histone 1, H2be
[NPU33841](#)
DNA(spec.)—HIST1H2BE gene; seq.var. = ?

DNA(specification)—
HIST1H2BF gene;
sequence variation
name of component: histone 1, H2bf
[NPU33840](#)
DNA(spec.)—HIST1H2BF gene; seq.var. = ?

DNA(specification)—
HIST1H2BG gene;
sequence variation
name of component: histone 1, H2bg
[NPU33834](#)
DNA(spec.)—HIST1H2BG gene; seq.var. = ?

DNA(specification)—
HIST1H2BH gene;
sequence variation
name of component: histone 1, H2bh
[NPU33843](#)
DNA(spec.)—HIST1H2BH gene; seq.var. = ?

DNA(specification)—
HIST1H2BI gene;
sequence variation
name of component: histone 1, H2bi
[NPU33844](#)
DNA(spec.)—HIST1H2BI gene; seq.var. = ?

DNA(specification)—
HIST1H2BJ gene;
sequence variation
name of component: histone 1, H2bj
[NPU33849](#)
DNA(spec.)—HIST1H2BJ gene; seq.var. = ?

DNA(specification)—
HIST1H2BK gene;
sequence variation
name of component: histone 1, H2bk
[NPU42415](#)
DNA(spec.)—HIST1H2BK gene; seq.var. = ?

DNA(specification)—
HIST1H2BL gene;
sequence variation
name of component: histone 1, H2bl
[NPU33836](#)
DNA(spec.)—HIST1H2BL gene; seq.var. = ?

DNA(specification)—
HIST1H2BM gene;
sequence variation
name of component: histone 1, H2bm
[NPU33838](#)
DNA(spec.)—HIST1H2BM gene; seq.var. = ?

DNA(specification)—
HIST1H2BN gene;
sequence variation
name of component: histone 1, H2bn
[NPU33837](#)
DNA(spec.)—HIST1H2BN gene; seq.var. = ?

DNA(specification)—
HIST1H2BO gene;
sequence variation
name of component: histone 1, H2bo
[NPU33846](#)
DNA(spec.)—HIST1H2BO gene; seq.var. = ?

DNA(specification)—
HIST1H2AA gene;
sequence variation
name of component: histone 1, H2aa
[NPU46641](#)
DNA(spec.)—HIST1H2AA gene; seq.var. = ?

DNA(specification)—
HIST1H3A gene;
sequence variation
name of component: histone 1, H3a
[NPU33853](#)
DNA(spec.)—HIST1H3A gene; seq.var. = ?

DNA(specification)—
HIST1H3B gene;
sequence variation
name of component: histone 1, H3b
[NPU33863](#)
DNA(spec.)—HIST1H3B gene; seq.var. = ?

DNA(specification)—
HIST1H3C gene;
sequence variation
name of component: histone 1, H3c
[NPU33855](#)
DNA(spec.)—HIST1H3C gene; seq.var. = ?

DNA(specification)—
HIST1H3D gene;
sequence variation
name of component: histone 1, H3d
[NPU33854](#)
DNA(spec.)—HIST1H3D gene; seq.var. = ?

DNA(specification)—
HIST1H3E gene;
sequence variation
name of component: histone 1, H3e
[NPU33856](#)
DNA(spec.)—HIST1H3E gene; seq.var. = ?

DNA(specification)—
HIST1H3F gene;
sequence variation
name of component: histone 1, H3f
[NPU33860](#)
DNA(spec.)—HIST1H3F gene; seq.var. = ?

DNA(specification)—
HIST1H3G gene;
sequence variation
name of component: histone 1, H3g
[NPU33859](#)
DNA(spec.)—HIST1H3G gene; seq.var. = ?

DNA(specification)—
HIST1H3H gene;
sequence variation
name of component: histone 1, H3h
[NPU33862](#)
DNA(spec.)—HIST1H3H gene; seq.var. = ?

DNA(specification)—
HIST1H3I gene;
sequence variation
name of component: histone 1, H3i
[NPU33858](#)
DNA(spec.)—HIST1H3I gene; seq.var. = ?

DNA(specification)—
HIST1H3J gene;
sequence variation
name of component: histone 1, H3j
[NPU33861](#)
DNA(spec.)—HIST1H3J gene; seq.var. = ?

DNA(specification)—
HIST1H4A gene;
sequence variation
name of component: histone 1, H4a
[NPU33866](#)
DNA(spec.)—HIST1H4A gene; seq.var. = ?

DNA(specification)—
HIST1H4B gene;
sequence variation
name of component: histone 1, H4b
[NPU33874](#)
DNA(spec.)—HIST1H4B gene; seq.var. = ?

DNA(specification)—
HIST1H4C gene;
sequence variation
name of component: histone 1, H4c
[NPU33872](#)
DNA(spec.)—HIST1H4C gene; seq.var. = ?

DNA(specification)—
HIST1H4D gene;
sequence variation
name of component: histone 1, H4d
[NPU33867](#)
DNA(spec.)—HIST1H4D gene; seq.var. = ?

DNA(specification)—
HIST1H4E gene;
sequence variation
name of component: histone 1, H4e
[NPU33875](#)
DNA(spec.)—HIST1H4E gene; seq.var. = ?

DNA(specification)—
HIST1H4F gene;
sequence variation
name of component: histone 1, H4f
[NPU33868](#)
DNA(spec.)—HIST1H4F gene; seq.var. = ?

DNA(specification)—
HIST1H4G gene;
sequence variation
name of component: histone 1, H4g
[NPU33877](#)
DNA(spec.)—HIST1H4G gene; seq.var. = ?

DNA(specification)—
HIST1H4H gene;
sequence variation
name of component: histone 1, H4h
[NPU33873](#)
DNA(spec.)—HIST1H4H gene; seq.var. = ?

DNA(specification)—
HIST1H4I gene;
sequence variation
name of component: histone 1, H4i
[NPU33878](#)
DNA(spec.)—HIST1H4I gene; seq.var. = ?

DNA(specification)—
HIST1H4J gene;
sequence variation
name of component: histone 1, H4j
[NPU33870](#)
DNA(spec.)—HIST1H4J gene; seq.var. = ?

DNA(specification)—
HIST1H4K gene;
sequence variation
name of component: histone 1, H4k
[NPU33869](#)
DNA(spec.)—HIST1H4K gene; seq.var. = ?

DNA(specification)—
HIST1H4L gene;
sequence variation
name of component: histone 1, H4l
[NPU33876](#)
DNA(spec.)—HIST1H4L gene; seq.var. = ?

DNA(specification)—
HIST2H2AB gene;
sequence variation
name of component: histone 2, H2ab
[NPU47652](#)
DNA(spec.)—HIST2H2AB gene; seq.var. = ?

DNA(specification)—
HIST2H2AC gene;
sequence variation
name of component: histone 2, H2ac
[NPU33829](#)
DNA(spec.)—HIST2H2AC gene; seq.var. = ?

DNA(specification)—
HIST2H2BA gene;
sequence variation
name of component: histone 2, H2ba
[NPU47660](#)
DNA(spec.)—HIST2H2BA gene; seq.var. = ?

DNA(specification)—
HIST2H2BB gene;
sequence variation
name of component: histone 2, H2bb
[NPU47708](#)
DNA(spec.)—HIST2H2BB gene; seq.var. = ?

DNA(specification)—
HIST2H2BC gene;
sequence variation
name of component: histone 2, H2bc
[NPU47658](#)
DNA(spec.)—HIST2H2BC gene; seq.var. = ?

DNA(specification)—
HIST2H2BD gene;
sequence variation
name of component: histone 2, H2bd
[NPU47659](#)
DNA(spec.)—HIST2H2BD gene; seq.var. = ?

DNA(specification)—
HIST2H2BE gene;
sequence variation
name of component: histone 2, H2be
[NPU33848](#)
DNA(spec.)—HIST2H2BE gene; seq.var. = ?

DNA(specification)—
HIST2H2AA gene;
sequence variation
name of component: histone 2, H2aa
[NPU33827](#)
DNA(spec.)—HIST2H2AA gene; seq.var. = ?

DNA(specification)—
HIST2H3A gene;
sequence variation
name of component: histone 2, H3a
[NPU47650](#)
DNA(spec.)—HIST2H3A gene; seq.var. = ?

DNA(specification)—
HIST2H3B gene;
sequence variation
name of component: histone 2, H3b
[NPU47649](#)
DNA(spec.)—HIST2H3B gene; seq.var. = ?

DNA(specification)—
HIST2H3C gene;
sequence variation
name of component: histone 2, H3c
[NPU47648](#)
DNA(spec.)—HIST2H3C gene; seq.var. = ?

DNA(specification)—
HIST2H4 gene;
sequence variation
name of component: histone 2, H4
[NPU33879](#)
DNA(spec.)—HIST2H4 gene; seq.var. = ?

DNA(specification)—
HIST3H2A gene;
sequence variation
name of component: histone 3, H2a
[NPU47651](#)
DNA(spec.)—HIST3H2A gene; seq.var. = ?

DNA(specification)—
HIST3H2BA gene;
sequence variation
name of component: histone 3, H2ba
[NPU47657](#)
DNA(spec.)—HIST3H2BA gene; seq.var. = ?

DNA(specification)—
HIST3H2BB gene;
sequence variation
name of component: histone 3, H2bb
[NPU47656](#)
DNA(spec.)—HIST3H2BB gene; seq.var. = ?

DNA(specification)—
HIST3H3 gene;
sequence variation
name of component: histone 3, H3
[NPU33864](#)
DNA(spec.)—HIST3H3 gene; seq.var. = ?

DNA(specification)—
HIST4H4 gene;
sequence variation
name of component: histone 4, H4
[NPU47653](#)
DNA(spec.)—HIST4H4 gene; seq.var. = ?

DNA(specification)—
HIVE1 gene;
sequence variation
name of component: human immunodeficiency virus type 1 (HIV-1) expression (elevated) 1
[NPU33976](#)
DNA(spec.)—HIVE1 gene; seq.var. = ?

DNA(specification)—
HIVEP1 gene;
sequence variation
name of component: human immunodeficiency virus type I enhancer binding protein 1
[NPU33977](#)
DNA(spec.)—HIVEP1 gene; seq.var. = ?

DNA(specification)—
HIVEP2 gene;
sequence variation
name of component: human immunodeficiency virus type I enhancer binding protein 2
[NPU33978](#)
DNA(spec.)—HIVEP2 gene; seq.var. = ?

DNA(specification)—
HIVEP3 gene;
sequence variation
name of component: human immunodeficiency virus type I enhancer binding protein 3
[NPU42196](#)
DNA(spec.)—HIVEP3 gene; seq.var. = ?

DNA(specification)—
HK1 gene;
sequence variation
name of component: hexokinase 1
[NPU33979](#)
DNA(spec.)—HK1 gene; seq.var. = ?

DNA(specification)—
HK2 gene;
sequence variation
name of component: hexokinase 2
[NPU33980](#)
DNA(spec.)—HK2 gene; seq.var. = ?

DNA(specification)—
HK2P gene;
sequence variation
name of component: hexokinase 2 pseudogene
[NPU33981](#)
DNA(spec.)—HK2P gene; seq.var. = ?

DNA(specification)—
HK3 gene;
sequence variation
name of component: hexokinase 3 (white cell)
[NPU33982](#)
DNA(spec.)—HK3 gene; seq.var. = ?

DNA(specification)—
HKE2 gene;
sequence variation
name of component: HLA class II region expressed gene KE2
[NPU33983](#)
DNA(spec.)—HKE2 gene; seq.var. = ?

DNA(specification)—
HKE4 gene;
sequence variation
name of component: HLA class II region expressed gene KE4
[NPU33984](#)
DNA(spec.)—HKE4 gene; seq.var. = ?

DNA(specification)—**HKR1 gene;****sequence variation**

name of component: GLI-Kruppel family member
HKR1

[NPU33985](#)

DNA(spec.)—HKR1 gene; seq.var. = ?

DNA(specification)—**HKR2 gene;****sequence variation**

name of component: GLI-Kruppel family member
HKR2

[NPU33986](#)

DNA(spec.)—HKR2 gene; seq.var. = ?

DNA(specification)—**HKR3 gene;****sequence variation**

name of component: GLI-Kruppel family member
HKR3

[NPU33987](#)

DNA(spec.)—HKR3 gene; seq.var. = ?

DNA(specification)—**HLA-A gene;****sequence variation**

name of component: major histocompatibility
complex, class I, A

[NPU33988](#)

DNA(spec.)—HLA-A gene; seq.var. = ?

DNA(specification)—**HLA-A gene;****taxon**

[NPU21378](#)

DNA(spec.)—HLA-A gene; taxon = ?

DNA(specification)—**HLA-B gene;****sequence variation**

name of component: major histocompatibility
complex, class I, B

[NPU33989](#)

DNA(spec.)—HLA-B gene; seq.var. = ?

DNA(specification)—**HLA-B gene;****taxon**

[NPU21379](#)

DNA(spec.)—HLA-B gene; taxon = ?

DNA(specification)—**HLA-C gene;****sequence variation**

name of component: major histocompatibility
complex, class I, C

[NPU33990](#)

DNA(spec.)—HLA-C gene; seq.var. = ?

DNA(specification)—**HLA-C gene;****taxon**

[NPU21380](#)

DNA(spec.)—HLA-C gene; taxon = ?

DNA(specification)—**HLA-DMA gene;****sequence variation**

name of component: major histocompatibility
complex, class II, DM alpha

[NPU33991](#)

DNA(spec.)—HLA-DMA gene; seq.var. = ?

DNA(specification)—**HLA-DMA gene;****taxon**

[NPU21388](#)

DNA(spec.)—HLA-DMA gene; taxon = ?

DNA(specification)—**HLA-DMB gene;****sequence variation**

name of component: major histocompatibility
complex, class II, DM beta

[NPU33992](#)

DNA(spec.)—HLA-DMB gene; seq.var. = ?

DNA(specification)—**HLA-DMB gene;****taxon**

[NPU21389](#)

DNA(spec.)—HLA-DMB gene; taxon = ?

DNA(specification)—**HLA-DOA gene;****sequence variation**

name of component: major histocompatibility
complex, class II, DO alpha

[NPU33993](#)

DNA(spec.)—HLA-DOA gene; seq.var. = ?

DNA(specification)—**HLA-DOA gene;****taxon**

[NPU21390](#)

DNA(spec.)—HLA-DOA gene; taxon = ?

DNA(specification)—**HLA-DOB gene;****sequence variation**

name of component: major histocompatibility
complex, class II, DO beta

[NPU33994](#)

DNA(spec.)—HLA-DOB gene; seq.var. = ?

DNA(specification)—**HLA-DOB gene;****taxon****NPU21391**

DNA(spec.)—HLA-DOB gene; taxon = ?

DNA(specification)—**HLA-DPA1 gene;****sequence variation**

name of component: major histocompatibility complex, class II, DP alpha 1

[**NPU33995**](#)

DNA(spec.)—HLA-DPA1 gene; seq.var. = ?

DNA(specification)—**HLA-DPA1 gene;****taxon****NPU21392**

DNA(spec.)—HLA-DPA1 gene; taxon = ?

DNA(specification)—**HLA-DPA2 gene;****sequence variation**

name of component: major histocompatibility complex, class II, DP alpha 2 (pseudogene)

[**NPU33996**](#)

DNA(spec.)—HLA-DPA2 gene; seq.var. = ?

DNA(specification)—**HLA-DPA3 gene;****sequence variation**

name of component: major histocompatibility complex, class II, DP alpha 2 (pseudogene)

[**NPU47012**](#)

DNA(spec.)—HLA-DPA3 gene; seq.var. = ?

DNA(specification)—**HLA-DPB1 gene;****sequence variation**

name of component: major histocompatibility complex, class II, DP beta 1

[**NPU33997**](#)

DNA(spec.)—HLA-DPB1 gene; seq.var. = ?

DNA(specification)—**HLA-DPB1 gene;****taxon****NPU21393**

DNA(spec.)—HLA-DPB1 gene; taxon = ?

DNA(specification)—**HLA-DPB2 gene;****sequence variation**

name of component: major histocompatibility complex, class II, DP beta 2 (pseudogene)

[**NPU33998**](#)

DNA(spec.)—HLA-DPB2 gene; seq.var. = ?

DNA(specification)—**HLA-DQA1 gene;****sequence variation**

name of component: major histocompatibility complex, class II, DQ alpha 1

[**NPU33999**](#)

DNA(spec.)—HLA-DQA1 gene; seq.var. = ?

DNA(specification)—**HLA-DQA1 gene;****taxon****NPU21394**

DNA(spec.)—HLA-DQA1 gene; taxon = ?

DNA(specification)—**HLA-DQA2 gene;****sequence variation**

name of component: major histocompatibility complex, class II, DQ alpha 2

[**NPU34000**](#)

DNA(spec.)—HLA-DQA2 gene; seq.var. = ?

DNA(specification)—**HLA-DQB1 gene;****sequence variation**

name of component: major histocompatibility complex, class II, DQ beta 1

[**NPU34001**](#)

DNA(spec.)—HLA-DQB1 gene; seq.var. = ?

DNA(specification)—**HLA-DQB1 gene;****taxon****NPU21395**

DNA(spec.)—HLA-DQB1 gene; taxon = ?

DNA(specification)—**HLA-DQB2 gene;****sequence variation**

name of component: major histocompatibility complex, class II, DQ beta 2

[**NPU34002**](#)

DNA(spec.)—HLA-DQB2 gene; seq.var. = ?

DNA(specification)—**HLA-DQB3 gene;****sequence variation**

name of component: major histocompatibility complex, class II, DQ beta 3

[**NPU34003**](#)

DNA(spec.)—HLA-DQB3 gene; seq.var. = ?

DNA(specification)—**HLA-DRA gene;****sequence variation**

name of component: major histocompatibility complex, class II, DR alpha

[**NPU34004**](#)

DNA(spec.)—HLA-DRA gene; seq.var. = ?

DNA(specification)—**HLA-DRA gene;****taxon****NPU21396**

DNA(spec.)—HLA-DRA gene; taxon = ?

DNA(specification)—**HLA-DRB1 gene;****sequence variation**

name of component: major histocompatibility complex, class II, DR beta 1

[**NPU34005**](#)

DNA(spec.)—HLA-DRB1 gene; seq.var. = ?

DNA(specification)—**HLA-DRB1 gene;****taxon****NPU21397**

DNA(spec.)—HLA-DRB1 gene; taxon = ?

DNA(specification)—**HLA-DRB2 gene;****sequence variation**

name of component: major histocompatibility complex, class II, DR beta 2

[**NPU34006**](#)

DNA(spec.)—HLA-DRB2 gene; seq.var. = ?

DNA(specification)—**HLA-DRB2 gene;****taxon****NPU21398**

DNA(spec.)—HLA-DRB2 gene; taxon = ?

DNA(specification)—**HLA-DRB3 gene;****sequence variation**

name of component: major histocompatibility complex, class II, DR beta 3

[**NPU34007**](#)

DNA(spec.)—HLA-DRB3 gene; seq.var. = ?

DNA(specification)—**HLA-DRB3 gene;****taxon****NPU21399**

DNA(spec.)—HLA-DRB3 gene; taxon = ?

DNA(specification)—**HLA-DRB4 gene;****sequence variation**

name of component: major histocompatibility complex, class II, DR beta 4

[**NPU34008**](#)

DNA(spec.)—HLA-DRB4 gene; seq.var. = ?

DNA(specification)—**HLA-DRB4 gene;****taxon****NPU21400**

DNA(spec.)—HLA-DRB4 gene; taxon = ?

DNA(specification)—**HLA-DRB5 gene;****sequence variation**

name of component: major histocompatibility complex, class II, DR beta 5

[**NPU34009**](#)

DNA(spec.)—HLA-DRB5 gene; seq.var. = ?

DNA(specification)—**HLA-DRB5 gene;****taxon****NPU21401**

DNA(spec.)—HLA-DRB5 gene; taxon = ?

DNA(specification)—**HLA-DRB6 gene;****sequence variation**

name of component: major histocompatibility complex, class II, DR beta 6 (pseudogene)

[**NPU34010**](#)

DNA(spec.)—HLA-DRB6 gene; seq.var. = ?

DNA(specification)—**HLA-DRB6 gene;****taxon****NPU21402**

DNA(spec.)—HLA-DRB6 gene; taxon = ?

DNA(specification)—**HLA-DRB7 gene;****sequence variation**

name of component: major histocompatibility complex, class II, DR beta 7 (pseudogene)

[**NPU34011**](#)

DNA(spec.)—HLA-DRB7 gene; seq.var. = ?

DNA(specification)—**HLA-DRB7 gene;****taxon****NPU21403**

DNA(spec.)—HLA-DRB7 gene; taxon = ?

DNA(specification)—**HLA-DRB8 gene;****sequence variation**

name of component: major histocompatibility complex, class II, DR beta 8 (pseudogene)

[**NPU34012**](#)

DNA(spec.)—HLA-DRB8 gene; seq.var. = ?

DNA(specification)—**HLA-DRB8 gene;****taxon****NPU21404**

DNA(spec.)—HLA-DRB8 gene; taxon = ?

DNA(specification)—**HLA-DRB9 gene;****sequence variation**

name of component: major histocompatibility complex, class II, DR beta 9 (pseudogene)

[**NPU34013**](#)

DNA(spec.)—HLA-DRB9 gene; seq.var. = ?

DNA(specification)—**HLA-DRB9 gene;****taxon****NPU21405**

DNA(spec.)—HLA-DRB9 gene; taxon = ?

DNA(specification)—**HLA-E gene;****sequence variation**

name of component: major histocompatibility complex, class I, E

[**NPU34014**](#)

DNA(spec.)—HLA-E gene; seq.var. = ?

DNA(specification)—**HLA-E gene;****taxon****NPU21381**

DNA(spec.)—HLA-E gene; taxon = ?

DNA(specification)—**HLA-F gene;****sequence variation**

name of component: major histocompatibility complex, class I, F

[**NPU19113**](#)

DNA(spec.)—HLA-F gene; seq.var. = ?

DNA(specification)—**HLA-F gene;****taxon****NPU21382**

DNA(spec.)—HLA-F gene; taxon = ?

DNA(specification)—**HLA-G gene;****sequence variation**

name of component: HLA-G histocompatibility antigen, class I, G

[**NPU34015**](#)

DNA(spec.)—HLA-G gene; seq.var. = ?

DNA(specification)—**HLA-G gene;****taxon****NPU21383**

DNA(spec.)—HLA-G gene; taxon = ?

DNA(specification)—**HLA-H gene;****sequence variation**

name of component: major histocompatibility complex, class I, H (pseudogene)

[**NPU34016**](#)

DNA(spec.)—HLA-H gene; seq.var. = ?

DNA(specification)—**HLA-J gene;****sequence variation**

name of component: major histocompatibility complex, class I, J (pseudogene)

[**NPU34017**](#)

DNA(spec.)—HLA-J gene; seq.var. = ?

DNA(specification)—**HLA-K gene;****sequence variation**

name of component: major histocompatibility complex, class I, K

[**NPU34018**](#)

DNA(spec.)—HLA-K gene; seq.var. = ?

DNA(specification)—**HLA-L gene;****sequence variation**

name of component: major histocompatibility complex, class I, L

[**NPU34019**](#)

DNA(spec.)—HLA-L gene; seq.var. = ?

DNA(specification)—**HLA-N gene;****sequence variation**

name of component: major histocompatibility complex, class I, N (pseudogene)

[**NPU47024**](#)

DNA(spec.)—HLA-N gene; seq.var. = ?

DNA(specification)—**HLA-S gene;****sequence variation**

name of component: major histocompatibility complex, class I, S (pseudogene)

[**NPU47014**](#)

DNA(spec.)—HLA-S gene; seq.var. = ?

DNA(specification)—**HLA-X gene;****sequence variation**

name of component: major histocompatibility complex, class I, X (pseudogene)

[NPU47008](#)

DNA(spec.)—HLA-X gene; seq.var. = ?

DNA(specification)—**HLA-Z gene;****sequence variation**

name of component: major histocompatibility complex, class I, Z (pseudogene)

[NPU47013](#)

DNA(spec.)—HLA-Z gene; seq.var. = ?

DNA(specification)—**HLCS gene;****sequence variation**

name of component: holocarboxylase synthetase (biotin-[propionyl-Coenzyme A-carboxylase (ATP-hydrolysing)] ligase)

[NPU19114](#)

DNA(spec.)—HLCS gene; seq.var. = ?

DNA(specification)—**HLF gene;****sequence variation**

name of component: hepatic leukemia factor

[NPU34021](#)

DNA(spec.)—HLF gene; seq.var. = ?

DNA(specification)—**HLX1 gene;****sequence variation**

name of component: H2.0-like homeo box 1 (Drosophila)

[NPU34022](#)

DNA(spec.)—HLX1 gene; seq.var. = ?

DNA(specification)—**HLXB9 gene;****sequence variation**

name of component: homeo box HB9

[NPU34023](#)

DNA(spec.)—HLXB9 gene; seq.var. = ?

DNA(specification)—**HM13 gene;****sequence variation**

name of component: histocompatibility (minor) 13

[NPU44434](#)

DNA(spec.)—HM13 gene; seq.var. = ?

DNA(specification)—**HMAB gene;****sequence variation**

name of component: monocyte antigen B

[NPU34025](#)

DNA(spec.)—HMAB gene; seq.var. = ?

DNA(specification)—**HMBS gene;****sequence variation**

name of component: hydroxymethylbilane synthase

[NPU34026](#)

DNA(spec.)—HMBS gene; seq.var. = ?

DNA(specification)—**HMG14P gene;****sequence variation**

name of component: high-mobility group (nonhistone chromosomal) protein 14 pseudogene

[NPU34029](#)

DNA(spec.)—HMG14P gene; seq.var. = ?

DNA(specification)—**HMG17L1 gene;****sequence variation**

name of component: high-mobility group (nonhistone chromosomal) protein 17-like 1

[NPU34031](#)

DNA(spec.)—HMG17L1 gene; seq.var. = ?

DNA(specification)—**HMG17L2 gene;****sequence variation**

name of component: high-mobility group (nonhistone chromosomal) protein 17-like 2

[NPU34032](#)

DNA(spec.)—HMG17L2 gene; seq.var. = ?

DNA(specification)—**HMG17P1 gene;****sequence variation**

name of component: high-mobility group (nonhistone chromosomal) protein 17 pseudogene 1

[NPU34034](#)

DNA(spec.)—HMG17P1 gene; seq.var. = ?

DNA(specification)—**HMG17P2 gene;****sequence variation**

name of component: high-mobility group (nonhistone chromosomal) protein 17 pseudogene 2

[NPU34035](#)

DNA(spec.)—HMG17P2 gene; seq.var. = ?

DNA(specification)—**HMG1L gene;****sequence variation**

name of component: high-mobility group (nonhistone chromosomal) protein 1-like

[NPU34036](#)

DNA(spec.)—HMG1L gene; seq.var. = ?

DNA(specification)—**HMG1L1 gene;****sequence variation**

name of component: high-mobility group (nonhistone chromosomal) protein 1-like 1

[NPU34037](#)

DNA(spec.)—HMG1L1 gene; seq.var. = ?

DNA(specification)—**HMG1L10 gene;****sequence variation**

name of component: high-mobility group (nonhistone chromosomal) protein 1-like 10

[NPU34038](#)

DNA(spec.)—HMG1L10 gene; seq.var. = ?

DNA(specification)—**HMG1L3 gene;****sequence variation**

name of component: high-mobility group (nonhistone chromosomal) protein 1-like 3

[NPU34039](#)

DNA(spec.)—HMG1L3 gene; seq.var. = ?

DNA(specification)—**HMG1L4 gene;****sequence variation**

name of component: high-mobility group (nonhistone chromosomal) protein 1-like 4

[NPU34040](#)

DNA(spec.)—HMG1L4 gene; seq.var. = ?

DNA(specification)—**HMG1L5 gene;****sequence variation**

name of component: high-mobility group (nonhistone chromosomal) protein 1-like 5

[NPU34041](#)

DNA(spec.)—HMG1L5 gene; seq.var. = ?

DNA(specification)—**HMG1L6 gene;****sequence variation**

name of component: high-mobility group (nonhistone chromosomal) protein 1-like 6

[NPU34042](#)

DNA(spec.)—HMG1L6 gene; seq.var. = ?

DNA(specification)—**HMG1P gene;****sequence variation**

name of component: high-mobility group (nonhistone chromosomal) protein 1 pseudogene

[NPU34043](#)

DNA(spec.)—HMG1P gene; seq.var. = ?

DNA(specification)—**HMG20A gene;****sequence variation**

name of component: high-mobility group 20A

[NPU34045](#)

DNA(spec.)—HMG20A gene; seq.var. = ?

DNA(specification)—**HMG20B gene;****sequence variation**

name of component: high-mobility group 20B

[NPU34046](#)

DNA(spec.)—HMG20B gene; seq.var. = ?

DNA(specification)—**HMG2L1 gene;****sequence variation**

name of component: high-mobility group protein 2-like 1

[NPU34047](#)

DNA(spec.)—HMG2L1 gene; seq.var. = ?

DNA(specification)—**HMG4L gene;****sequence variation**

name of component: high-mobility group (nonhistone chromosomal) protein 4-like

[NPU44282](#)

DNA(spec.)—HMG4L gene; seq.var. = ?

DNA(specification)—**HMG4L2 gene;****sequence variation**

name of component: high-mobility group (nonhistone chromosomal) protein 4-like 2

[NPU44555](#)

DNA(spec.)—HMG4L2 gene; seq.var. = ?

DNA(specification)—**HMG4L1 gene;****sequence variation**

name of component: high mobility group AT-hook 1

[NPU34054](#)

DNA(spec.)—HMG4L1 gene; seq.var. = ?

DNA(specification)—**HMG4L2 gene;****sequence variation**

name of component: high mobility group AT-hook 2

[NPU34053](#)

DNA(spec.)—HMG4L2 gene; seq.var. = ?

DNA(specification)—**HMG4L1 gene;****sequence variation**

name of component: high-mobility group box 1

[NPU34027](#)

DNA(spec.)—HMG4L1 gene; seq.var. = ?

DNA(specification)—**HMGB1P gene;****sequence variation**

name of component: high-mobility group box 1
pseudogene

[NPU47358](#)

DNA(spec.)—HMGB1P gene; seq.var. = ?

DNA(specification)—**HMGB2 gene;****sequence variation**

name of component: high-mobility group box 2

[NPU34044](#)

DNA(spec.)—HMGB2 gene; seq.var. = ?

DNA(specification)—**HMGB3 gene;****sequence variation**

name of component: high-mobility group box 3

[NPU34048](#)

DNA(spec.)—HMGB3 gene; seq.var. = ?

DNA(specification)—**HMGCL gene;****sequence variation**

name of component: 3-hydroxymethyl-3-methylglutaryl-Coenzyme A lyase (hydroxymethylglutaricaciduria)

[NPU34049](#)

DNA(spec.)—HMGCL gene; seq.var. = ?

DNA(specification)—**HMGCR gene;****sequence variation**

name of component: 3-hydroxy-3-methylglutaryl-Coenzyme A reductase

[NPU34050](#)

DNA(spec.)—HMGCR gene; seq.var. = ?

DNA(specification)—**HMGCS1 gene;****sequence variation**

name of component: 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 (soluble)

[NPU34051](#)

DNA(spec.)—HMGCS1 gene; seq.var. = ?

DNA(specification)—**HMGCS2 gene;****sequence variation**

name of component: 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 2 (mitochondrial)

[NPU34052](#)

DNA(spec.)—HMGCS2 gene; seq.var. = ?

DNA(specification)—**HMGN1 gene;****sequence variation**

name of component: high-mobility group nucleosome binding domain 1

[NPU34028](#)

DNA(spec.)—HMGN1 gene; seq.var. = ?

DNA(specification)—**HMGN1P1 gene;****sequence variation**

name of component: high-mobility group nucleosome binding domain 1 pseudogene 1

[NPU47359](#)

DNA(spec.)—HMGN1P1 gene; seq.var. = ?

DNA(specification)—**HMGN2 gene;****sequence variation**

name of component: high-mobility group nucleosomal binding domain 2

[NPU34030](#)

DNA(spec.)—HMGN2 gene; seq.var. = ?

DNA(specification)—**HMGN2P gene;****sequence variation**

name of component: high-mobility group nucleosomal binding domain 2 pseudogene

[NPU47321](#)

DNA(spec.)—HMGN2P gene; seq.var. = ?

DNA(specification)—**HMGN2P2 gene;****sequence variation**

name of component: high-mobility group nucleosomal binding domain 2 pseudogene 2

[NPU47360](#)

DNA(spec.)—HMGN2P2 gene; seq.var. = ?

DNA(specification)—**HMGN3 gene;****sequence variation**

name of component: high mobility group nucleosomal binding domain 3

[NPU41258](#)

DNA(spec.)—HMGN3 gene; seq.var. = ?

DNA(specification)—**HMGN4 gene;****sequence variation**

name of component: high mobility group nucleosomal binding domain 4

[NPU34033](#)

DNA(spec.)—HMGN4 gene; seq.var. = ?

DNA(specification)—**HMI gene;****sequence variation**

name of component: hypomelanosis of Ito

[NPU34055](#)

DNA(spec.)—HMI gene; seq.var. = ?

DNA(specification)—**HMMR gene;****sequence variation**

name of component: hyaluronan-mediated motility receptor (RHAMM)

[NPU34056](#)

DNA(spec.)—HMMR gene; seq.var. = ?

DNA(specification)—**HMOX1 gene;****sequence variation**

name of component: heme oxygenase (decycling) 1

[NPU34057](#)

DNA(spec.)—HMOX1 gene; seq.var. = ?

DNA(specification)—**HMOX2 gene;****sequence variation**

name of component: heme oxygenase (decycling) 2

[NPU34058](#)

DNA(spec.)—HMOX2 gene; seq.var. = ?

DNA(specification)—**HMS1 gene;****sequence variation**

name of component: homosexuality 1

[NPU34059](#)

DNA(spec.)—HMS1 gene; seq.var. = ?

DNA(specification)—**HMX1 gene;****sequence variation**

name of component: homeo box (H6 family) 1

[NPU34060](#)

DNA(spec.)—HMX1 gene; seq.var. = ?

DNA(specification)—**HMX2 gene;****sequence variation**

name of component: homeo box (H6 family) 2

[NPU34061](#)

DNA(spec.)—HMX2 gene; seq.var. = ?

DNA(specification)—**HMX3 gene;****sequence variation**

name of component: homeo box (H6 family) 3

[NPU34062](#)

DNA(spec.)—HMX3 gene; seq.var. = ?

DNA(specification)—**HMAA gene;****sequence variation**

name of component: monocyte antigen A

[NPU34024](#)

DNA(spec.)—HMAA gene; seq.var. = ?

DNA(specification)—**HN1 gene;****sequence variation**

name of component: hematological and neurological expressed 1

[NPU42869](#)

DNA(spec.)—HN1 gene; seq.var. = ?

DNA(specification)—**HNB1 gene;****sequence variation**

name of component: hereditary neuroblastoma 1

[NPU34063](#)

DNA(spec.)—HNB1 gene; seq.var. = ?

DNA(specification)—**HNF4A gene;****sequence variation**

name of component: hepatocyte nuclear factor 4, alpha

[NPU19253](#)

DNA(spec.)—HNF4A gene; seq.var. = ?

DNA(specification)—**HNF4B gene;****sequence variation**

name of component: hepatocyte nuclear factor 4, beta

[NPU34067](#)

DNA(spec.)—HNF4B gene; seq.var. = ?

DNA(specification)—**HNF4G gene;****sequence variation**

name of component: hepatocyte nuclear factor 4, gamma

[NPU34068](#)

DNA(spec.)—HNF4G gene; seq.var. = ?

DNA(specification)—**HNMT gene;****sequence variation**

name of component: histamine N-methyltransferase

[NPU34069](#)

DNA(spec.)—HNMT gene; seq.var. = ?

DNA(specification)—
HNRPA0 gene;
sequence variation
name of component: heterogeneous nuclear ribo-
nucleoprotein A0
[NPU34070](#)
DNA(spec.)—HNRPA0 gene; seq.var. = ?

DNA(specification)—
HNRPA1 gene;
sequence variation
name of component: heterogeneous nuclear ribo-
nucleoprotein A1
[NPU34071](#)
DNA(spec.)—HNRPA1 gene; seq.var. = ?

DNA(specification)—
HNRPA1L gene;
sequence variation
name of component: heterogeneous nuclear ribo-
nucleoprotein A1-like
[NPU34072](#)
DNA(spec.)—HNRPA1L gene; seq.var. = ?

DNA(specification)—
HNRPA1P3 gene;
sequence variation
name of component: heterogeneous nuclear ribo-
nucleoprotein A1 pseudogene 3
[NPU44548](#)
DNA(spec.)—HNRPA1P3 gene; seq.var. = ?

DNA(specification)—
HNRPA2B1 gene;
sequence variation
name of component: heterogeneous nuclear ribo-
nucleoprotein A2/B1
[NPU34073](#)
DNA(spec.)—HNRPA2B1 gene; seq.var. = ?

DNA(specification)—
HNRPA3 gene;
sequence variation
name of component: heterogeneous nuclear ribo-
nucleoprotein A3
[NPU42294](#)
DNA(spec.)—HNRPA3 gene; seq.var. = ?

DNA(specification)—
HNRPA3P gene;
sequence variation
name of component: heterogeneous nuclear ribo-
nucleoprotein A3 pseudogene
[NPU44585](#)
DNA(spec.)—HNRPA3P gene; seq.var. = ?

DNA(specification)—
HNRPAB gene;
sequence variation
name of component: heterogeneous nuclear ribo-
nucleoprotein A/B
[NPU34074](#)
DNA(spec.)—HNRPAB gene; seq.var. = ?

DNA(specification)—
HNRPC gene;
sequence variation
name of component: heterogeneous nuclear ribo-
nucleoprotein C (C1/C2)
[NPU34075](#)
DNA(spec.)—HNRPC gene; seq.var. = ?

DNA(specification)—
HNRPCP gene;
sequence variation
name of component: heterogeneous nuclear ribo-
nucleoprotein C pseudogene
[NPU47361](#)
DNA(spec.)—HNRPCP gene; seq.var. = ?

DNA(specification)—
HNRPD gene;
sequence variation
name of component: heterogeneous nuclear ribo-
nucleoprotein D (AU-rich element RNA binding
protein 1, 37 kDa)
[NPU34076](#)
DNA(spec.)—HNRPD gene; seq.var. = ?

DNA(specification)—
HNRPDL gene;
sequence variation
name of component: heterogeneous nuclear ribo-
nucleoprotein D-like
[NPU34077](#)
DNA(spec.)—HNRPDL gene; seq.var. = ?

DNA(specification)—
HNRPDP gene;
sequence variation
name of component: heterogeneous nuclear ribo-
nucleoprotein D (AU-rich element RNA binding
protein 1, 37 kDa) pseudogene
[NPU34078](#)
DNA(spec.)—HNRPDP gene; seq.var. = ?

DNA(specification)—
HNRPF gene;
sequence variation
name of component: heterogeneous nuclear ribo-
nucleoprotein F
[NPU34079](#)
DNA(spec.)—HNRPF gene; seq.var. = ?

DNA(specification)—**HNRPH1 gene;****sequence variation**

name of component: heterogeneous nuclear ribonucleoprotein H1 (H)

[NPU34080](#)

DNA(spec.)—HNRPH1 gene; seq.var. = ?

DNA(specification)—**HNRPH2 gene;****sequence variation**

name of component: heterogeneous nuclear ribonucleoprotein H2 (H')

[NPU34081](#)

DNA(spec.)—HNRPH2 gene; seq.var. = ?

DNA(specification)—**HNRPH3 gene;****sequence variation**

name of component: heterogeneous nuclear ribonucleoprotein H3 (2H9)

[NPU34082](#)

DNA(spec.)—HNRPH3 gene; seq.var. = ?

DNA(specification)—**HNRPK gene;****sequence variation**

name of component: heterogeneous nuclear ribonucleoprotein K

[NPU34083](#)

DNA(spec.)—HNRPK gene; seq.var. = ?

DNA(specification)—**HNRPL gene;****sequence variation**

name of component: heterogeneous nuclear ribonucleoprotein L

[NPU34084](#)

DNA(spec.)—HNRPL gene; seq.var. = ?

DNA(specification)—**HNRPM gene;****sequence variation**

name of component: heterogeneous nuclear ribonucleoprotein M

[NPU34085](#)

DNA(spec.)—HNRPM gene; seq.var. = ?

DNA(specification)—**HNRPR gene;****sequence variation**

name of component: heterogeneous nuclear ribonucleoprotein R

[NPU34086](#)

DNA(spec.)—HNRPR gene; seq.var. = ?

DNA(specification)—**HNRPU gene;****sequence variation**

name of component: heterogeneous nuclear ribonucleoprotein U (scaffold attachment factor A)

[NPU34087](#)

DNA(spec.)—HNRPU gene; seq.var. = ?

DNA(specification)—**HNRPUP gene;****sequence variation**

name of component: heterogeneous nuclear ribonucleoprotein U pseudogene

[NPU47322](#)

DNA(spec.)—HNRPUP gene; seq.var. = ?

DNA(specification)—**HOAC gene;****sequence variation**

name of component: hypoacsis 2 (autosomal recessive)

[NPU34088](#)

DNA(spec.)—HOAC gene; seq.var. = ?

DNA(specification)—**HOMER1 gene;****sequence variation**

name of component: homer homolog 1 (Drosophila)

[NPU46040](#)

DNA(spec.)—HOMER1 gene; seq.var. = ?

DNA(specification)—**HOMER2 gene;****sequence variation**

name of component: homer homolog 2 (Drosophila)

[NPU46041](#)

DNA(spec.)—HOMER2 gene; seq.var. = ?

DNA(specification)—**HOMER2P1 gene;****sequence variation**

name of component: homer homolog 2 pseudogene 1 (Drosophila)

[NPU47565](#)

DNA(spec.)—HOMER2P1 gene; seq.var. = ?

DNA(specification)—**HOMER2P2 gene;****sequence variation**

name of component: homer homolog 2 pseudogene 2 (Drosophila)

[NPU47563](#)

DNA(spec.)—HOMER2P2 gene; seq.var. = ?

DNA(specification)—
HOMER3 gene;
sequence variation
name of component: homer homolog 3 (Drosophila)
[NPU46042](#)
DNA(spec.)—HOMER3 gene; seq.var. = ?

DNA(specification)—
HOMG gene;
sequence variation
name of component: hypomagnesemia, secondary hypocalcemia
[NPU34089](#)
DNA(spec.)—HOMG gene; seq.var. = ?

DNA(specification)—
HOXA@ gene;
sequence variation
name of component: homeo box A cluster
[NPU34092](#)
DNA(spec.)—HOXA@ gene; seq.var. = ?

DNA(specification)—
HOXA1 gene;
sequence variation
name of component: homeo box A1
[NPU34093](#)
DNA(spec.)—HOXA1 gene; seq.var. = ?

DNA(specification)—
HOXA10 gene;
sequence variation
name of component: homeo box A10
[NPU34094](#)
DNA(spec.)—HOXA10 gene; seq.var. = ?

DNA(specification)—
HOXA11 gene;
sequence variation
name of component: homeo box A11
[NPU34095](#)
DNA(spec.)—HOXA11 gene; seq.var. = ?

DNA(specification)—
HOXA13 gene;
sequence variation
name of component: homeo box A13
[NPU34096](#)
DNA(spec.)—HOXA13 gene; seq.var. = ?

DNA(specification)—
HOXA2 gene;
sequence variation
name of component: homeo box A2
[NPU34097](#)
DNA(spec.)—HOXA2 gene; seq.var. = ?

DNA(specification)—
HOXA3 gene;
sequence variation
name of component: homeo box A3
[NPU34098](#)
DNA(spec.)—HOXA3 gene; seq.var. = ?

DNA(specification)—
HOXA4 gene;
sequence variation
name of component: homeo box A4
[NPU34099](#)
DNA(spec.)—HOXA4 gene; seq.var. = ?

DNA(specification)—
HOXA5 gene;
sequence variation
name of component: homeo box A5
[NPU34100](#)
DNA(spec.)—HOXA5 gene; seq.var. = ?

DNA(specification)—
HOXA6 gene;
sequence variation
name of component: homeo box A6
[NPU34101](#)
DNA(spec.)—HOXA6 gene; seq.var. = ?

DNA(specification)—
HOXA7 gene;
sequence variation
name of component: homeo box A7
[NPU34102](#)
DNA(spec.)—HOXA7 gene; seq.var. = ?

DNA(specification)—
HOXA9 gene;
sequence variation
name of component: homeo box A9
[NPU34103](#)
DNA(spec.)—HOXA9 gene; seq.var. = ?

DNA(specification)—
HOXB@ gene;
sequence variation
name of component: homeo box B cluster
[NPU34104](#)
DNA(spec.)—HOXB@ gene; seq.var. = ?

DNA(specification)—
HOXB1 gene;
sequence variation
name of component: homeo box B1
[NPU34105](#)
DNA(spec.)—HOXB1 gene; seq.var. = ?

DNA(specification)—
HOXB13 gene;
sequence variation
name of component: homeo box B13
[NPU34106](#)
DNA(spec.)—HOXB13 gene; seq.var. = ?

DNA(specification)—
HOXB2 gene;
sequence variation
name of component: homeo box B2
[NPU34107](#)
DNA(spec.)—HOXB2 gene; seq.var. = ?

DNA(specification)—
HOXB3 gene;
sequence variation
name of component: homeo box B3
[NPU34108](#)
DNA(spec.)—HOXB3 gene; seq.var. = ?

DNA(specification)—
HOXB4 gene;
sequence variation
name of component: homeo box B4
[NPU34109](#)
DNA(spec.)—HOXB4 gene; seq.var. = ?

DNA(specification)—
HOXB5 gene;
sequence variation
name of component: homeo box B5
[NPU34110](#)
DNA(spec.)—HOXB5 gene; seq.var. = ?

DNA(specification)—
HOXB6 gene;
sequence variation
name of component: homeo box B6
[NPU34111](#)
DNA(spec.)—HOXB6 gene; seq.var. = ?

DNA(specification)—
HOXB7 gene;
sequence variation
name of component: homeo box B7
[NPU34112](#)
DNA(spec.)—HOXB7 gene; seq.var. = ?

DNA(specification)—
HOXB8 gene;
sequence variation
name of component: homeo box B8
[NPU34113](#)
DNA(spec.)—HOXB8 gene; seq.var. = ?

DNA(specification)—
HOXB9 gene;
sequence variation
name of component: homeo box B9
[NPU34114](#)
DNA(spec.)—HOXB9 gene; seq.var. = ?

DNA(specification)—
HOXC@ gene;
sequence variation
name of component: homeo box C cluster
[NPU34115](#)
DNA(spec.)—HOXC@ gene; seq.var. = ?

DNA(specification)—
HOXC10 gene;
sequence variation
name of component: homeo box C10
[NPU34116](#)
DNA(spec.)—HOXC10 gene; seq.var. = ?

DNA(specification)—
HOXC11 gene;
sequence variation
name of component: homeo box C11
[NPU34117](#)
DNA(spec.)—HOXC11 gene; seq.var. = ?

DNA(specification)—
HOXC12 gene;
sequence variation
name of component: homeo box C12
[NPU34118](#)
DNA(spec.)—HOXC12 gene; seq.var. = ?

DNA(specification)—
HOXC13 gene;
sequence variation
name of component: homeo box C13
[NPU34119](#)
DNA(spec.)—HOXC13 gene; seq.var. = ?

DNA(specification)—
HOXC4 gene;
sequence variation
name of component: homeo box C4
[NPU34120](#)
DNA(spec.)—HOXC4 gene; seq.var. = ?

DNA(specification)—
HOXC5 gene;
sequence variation
name of component: homeo box C5
[NPU34121](#)
DNA(spec.)—HOXC5 gene; seq.var. = ?

DNA(specification)—**HOXC6 gene;****sequence variation**

name of component: homeo box C6

[NPU34122](#)

DNA(spec.)—HOXC6 gene; seq.var. = ?

DNA(specification)—**HOXC8 gene;****sequence variation**

name of component: homeo box C8

[NPU34123](#)

DNA(spec.)—HOXC8 gene; seq.var. = ?

DNA(specification)—**HOXC9 gene;****sequence variation**

name of component: homeo box C9

[NPU34124](#)

DNA(spec.)—HOXC9 gene; seq.var. = ?

DNA(specification)—**HOXD@ gene;****sequence variation**

name of component: homeo box D cluster

[NPU34125](#)

DNA(spec.)—HOXD@ gene; seq.var. = ?

DNA(specification)—**HOXD1 gene;****sequence variation**

name of component: homeo box D1

[NPU34126](#)

DNA(spec.)—HOXD1 gene; seq.var. = ?

DNA(specification)—**HOXD10 gene;****sequence variation**

name of component: homeo box D10

[NPU34127](#)

DNA(spec.)—HOXD10 gene; seq.var. = ?

DNA(specification)—**HOXD11 gene;****sequence variation**

name of component: homeo box D11

[NPU34128](#)

DNA(spec.)—HOXD11 gene; seq.var. = ?

DNA(specification)—**HOXD12 gene;****sequence variation**

name of component: homeo box D12

[NPU34129](#)

DNA(spec.)—HOXD12 gene; seq.var. = ?

DNA(specification)—**HOXD13 gene;****sequence variation**

name of component: homeo box D13

[NPU34130](#)

DNA(spec.)—HOXD13 gene; seq.var. = ?

DNA(specification)—**HOXD3 gene;****sequence variation**

name of component: homeo box D3

[NPU34131](#)

DNA(spec.)—HOXD3 gene; seq.var. = ?

DNA(specification)—**HOXD4 gene;****sequence variation**

name of component: homeo box D4

[NPU34132](#)

DNA(spec.)—HOXD4 gene; seq.var. = ?

DNA(specification)—**HOXD8 gene;****sequence variation**

name of component: homeo box D8

[NPU34133](#)

DNA(spec.)—HOXD8 gene; seq.var. = ?

DNA(specification)—**HOXD9 gene;****sequence variation**

name of component: homeo box D9

[NPU34134](#)

DNA(spec.)—HOXD9 gene; seq.var. = ?

DNA(specification)—**HP gene;****sequence variation**

name of component: haptoglobin

[NPU34135](#)

DNA(spec.)—HP gene; seq.var. = ?

DNA(specification)—**HPC1 gene;****sequence variation**

name of component: hereditary prostate cancer 1

[NPU34136](#)

DNA(spec.)—HPC1 gene; seq.var. = ?

DNA(specification)—**HPCA gene;****sequence variation**

name of component: hippocalcin

[NPU34137](#)

DNA(spec.)—HPCA gene; seq.var. = ?

DNA(specification)—**HPCAL1 gene;****sequence variation**

name of component: hippocalcin-like 1

[NPU34138](#)

DNA(spec.)—HPCAL1 gene; seq.var. = ?

DNA(specification)—**HPCAL4 gene;****sequence variation**

name of component: hippocalcin like 4

[NPU46349](#)

DNA(spec.)—HPCAL4 gene; seq.var. = ?

DNA(specification)—**HPCX gene;****sequence variation**

name of component: hereditary prostate cancer, X-linked

[NPU34139](#)

DNA(spec.)—HPCX gene; seq.var. = ?

DNA(specification)—**HPD gene;****sequence variation**

name of component: 4-hydroxyphenylpyruvate dioxygenase

[NPU34140](#)

DNA(spec.)—HPD gene; seq.var. = ?

DNA(specification)—**HPE1 gene;****sequence variation**

name of component: holoprosencephaly 1, alobar

[NPU34141](#)

DNA(spec.)—HPE1 gene; seq.var. = ?

DNA(specification)—**HPE2 gene;****sequence variation**

name of component: holoprosencephaly 2, alobar or semilobar

[NPU34142](#)

DNA(spec.)—HPE2 gene; seq.var. = ?

DNA(specification)—**HPFH2 gene;****sequence variation**

name of component: hereditary persistence of fetal hemoglobin, heterocellular, Indian type

[NPU34143](#)

DNA(spec.)—HPFH2 gene; seq.var. = ?

DNA(specification)—**HPGD gene;****sequence variation**

name of component: hydroxyprostaglandin dehydrogenase 15-(NAD)

[NPU34144](#)

DNA(spec.)—HPGD gene; seq.var. = ?

DNA(specification)—**HPN gene;****sequence variation**

name of component: hepsin (transmembrane protease, serine 1)

[NPU34145](#)

DNA(spec.)—HPN gene; seq.var. = ?

DNA(specification)—**HPR gene;****sequence variation**

name of component: haptoglobin-related protein

[NPU34146](#)

DNA(spec.)—HPR gene; seq.var. = ?

DNA(specification)—**HPRT1 gene;****sequence variation**

name of component: hypoxanthine phosphoribosyltransferase 1 (Lesch-Nyhan syndrome)

[NPU19116](#)

DNA(spec.)—HPRT1 gene; seq.var. = ?

DNA(specification)—**HPRT2 gene;****sequence variation**

name of component: hypoxanthine phosphoribosyltransferase 2

[NPU34147](#)

DNA(spec.)—HPRT2 gene; seq.var. = ?

DNA(specification)—**HPRTP1 gene;****sequence variation**

name of component: hypoxanthine phosphoribosyltransferase pseudogene 1

[NPU34148](#)

DNA(spec.)—HPRTP1 gene; seq.var. = ?

DNA(specification)—**HPRTP2 gene;****sequence variation**

name of component: hypoxanthine phosphoribosyltransferase pseudogene 2

[NPU34149](#)

DNA(spec.)—HPRTP2 gene; seq.var. = ?

DNA(specification)—**HPRTP3 gene;****sequence variation**

name of component: hypoxanthine phosphoribosyltransferase pseudogene 3

[NPU34150](#)

DNA(spec.)—HPRTP3 gene; seq.var. = ?

DNA(specification)—**HP RTP4 gene;****sequence variation**

name of component: hypoxanthine phosphoribosyl-transferase pseudogene 4

[NPU34151](#)

DNA(spec.)—HP RTP4 gene; seq.var. = ?

DNA(specification)—**HPS1 gene;****sequence variation**

name of component: Hermansky-Pudlak syndrome 1

[NPU34152](#)

DNA(spec.)—HPS1 gene; seq.var. = ?

DNA(specification)—**HPS3 gene;****sequence variation**

name of component: Hermansky-Pudlak syndrome 3

[NPU43771](#)

DNA(spec.)—HPS3 gene; seq.var. = ?

DNA(specification)—**HPS4 gene;****sequence variation**

name of component: Hermansky-Pudlak syndrome 4

[NPU43937](#)

DNA(spec.)—HPS4 gene; seq.var. = ?

DNA(specification)—**HPS5 gene;****sequence variation**

name of component: Hermansky-Pudlak syndrome 5

[NPU44816](#)

DNA(spec.)—HPS5 gene; seq.var. = ?

DNA(specification)—**HPSE gene;****sequence variation**

name of component: heparanase

[NPU34153](#)

DNA(spec.)—HPSE gene; seq.var. = ?

DNA(specification)—**HPSE2 gene;****sequence variation**

name of component: heparanase 2

[NPU46433](#)

DNA(spec.)—HPSE2 gene; seq.var. = ?

DNA(specification)—**HPT gene;****sequence variation**

name of component: hypoparathyroidism

[NPU34154](#)

DNA(spec.)—HPT gene; seq.var. = ?

DNA(specification)—**HPV18I1 gene;****sequence variation**

name of component: human papilloma virus (type 18) integration site 1

[NPU34155](#)

DNA(spec.)—HPV18I1 gene; seq.var. = ?

DNA(specification)—**HPV18I2 gene;****sequence variation**

name of component: human papillomavirus (type 18) integration site 2

[NPU34156](#)

DNA(spec.)—HPV18I2 gene; seq.var. = ?

DNA(specification)—**HPV6AI1 gene;****sequence variation**

name of component: human papillomavirus (type 6a) integration site 1

[NPU34157](#)

DNA(spec.)—HPV6AI1 gene; seq.var. = ?

DNA(specification)—**HPVC1 gene;****sequence variation**

name of component: human papillomavirus (type 18) E5 central sequence-like 1

[NPU34158](#)

DNA(spec.)—HPVC1 gene; seq.var. = ?

DNA(specification)—**HPX gene;****sequence variation**

name of component: hemopexin

[NPU34159](#)

DNA(spec.)—HPX gene; seq.var. = ?

DNA(specification)—**HPYR1 gene;****sequence variation**

name of component: Helicobacter pylori responsive 1

[NPU44123](#)

DNA(spec.)—HPYR1 gene; seq.var. = ?

DNA(specification)—**HR gene;****sequence variation**

name of component: hairless homolog (mouse)

[NPU34160](#)

DNA(spec.)—HR gene; seq.var. = ?

DNA(specification)—**HRAS gene;****sequence variation**

name of component: v-Ha-ras Harvey rat sarcoma
viral oncogene homolog

[NPU19117](#)

DNA(spec.)—HRAS gene; seq.var. = ?

DNA(specification)—**HRASLS gene;****sequence variation**

name of component: HRAS-like suppressor

[NPU43169](#)

DNA(spec.)—HRASLS gene; seq.var. = ?

DNA(specification)—**HRASLS2 gene;****sequence variation**

name of component: HRAS-like suppressor 2

[NPU46122](#)

DNA(spec.)—HRASLS2 gene; seq.var. = ?

DNA(specification)—**HRASLS3 gene;****sequence variation**

name of component: HRAS-like suppressor 3

[NPU46123](#)

DNA(spec.)—HRASLS3 gene; seq.var. = ?

DNA(specification)—**HRASP gene;****sequence variation**

name of component: v-Ha-ras Harvey rat sarcoma
viral oncogene homolog pseudogene

[NPU34161](#)

DNA(spec.)—HRASP gene; seq.var. = ?

DNA(specification)—**HRB gene;****sequence variation**

name of component: HIV-1 Rev binding protein

[NPU34162](#)

DNA(spec.)—HRB gene; seq.var. = ?

DNA(specification)—**HRB2 gene;****sequence variation**

name of component: HIV-1 rev binding protein 2

[NPU34163](#)

DNA(spec.)—HRB2 gene; seq.var. = ?

DNA(specification)—**HRBL gene;****sequence variation**

name of component: HIV-1 Rev binding protein-
like

[NPU34164](#)

DNA(spec.)—HRBL gene; seq.var. = ?

DNA(specification)—**HRC gene;****sequence variation**

name of component: histidine rich calcium binding
protein

[NPU34165](#)

DNA(spec.)—HRC gene; seq.var. = ?

DNA(specification)—**HRD gene;****sequence variation**

name of component: hypoparathyroidism, growth
and mental retardation, and dysmorphism

[NPU34166](#)

DNA(spec.)—HRD gene; seq.var. = ?

DNA(specification)—**HRES1 gene;****sequence variation**

name of component: HTLV-1 related endogenous
sequence

[NPU34167](#)

DNA(spec.)—HRES1 gene; seq.var. = ?

DNA(specification)—**HRG gene;****sequence variation**

name of component: histidine-rich glycoprotein

[NPU34168](#)

DNA(spec.)—HRG gene; seq.var. = ?

DNA(specification)—**HRH1 gene;****sequence variation**

name of component: histamine receptor H1

[NPU34169](#)

DNA(spec.)—HRH1 gene; seq.var. = ?

DNA(specification)—**HRH2 gene;****sequence variation**

name of component: histamine receptor H2

[NPU34170](#)

DNA(spec.)—HRH2 gene; seq.var. = ?

DNA(specification)—**HRH3 gene;****sequence variation**

name of component: histamine receptor H3

[NPU34171](#)

DNA(spec.)—HRH3 gene; seq.var. = ?

DNA(specification)—**HRH4 gene;****sequence variation**

name of component: histamine receptor H4

[NPU46017](#)

DNA(spec.)—HRH4 gene; seq.var. = ?

DNA(specification)—**HRK gene;****sequence variation**

name of component: harakiri, BCL2 interacting protein (contains only BH3 domain)

[NPU34172](#)

DNA(spec.)—HRK gene; seq.var. = ?

DNA(specification)—**HRMT1L1 gene;****sequence variation**

name of component: HMT1 hnRNP methyltransferase-like 1 (*S. cerevisiae*)

[NPU34173](#)

DNA(spec.)—HRMT1L1 gene; seq.var. = ?

DNA(specification)—**HRMT1L2 gene;****sequence variation**

name of component: HMT1 hnRNP methyltransferase-like 2 (*S. cerevisiae*)

[NPU34174](#)

DNA(spec.)—HRMT1L2 gene; seq.var. = ?

DNA(specification)—**HRMT1L3 gene;****sequence variation**

name of component: HMT1 hnRNP methyltransferase-like 3 (*S. cerevisiae*)

[NPU34175](#)

DNA(spec.)—HRMT1L3 gene; seq.var. = ?

DNA(specification)—**HRPT1 gene;****sequence variation**

name of component: hyperparathyroidism 1

[NPU34176](#)

DNA(spec.)—HRPT1 gene; seq.var. = ?

DNA(specification)—**HRPT2 gene;****sequence variation**

name of component: hyperparathyroidism 2 (with jaw tumor)

[NPU34177](#)

DNA(spec.)—HRPT2 gene; seq.var. = ?

DNA(specification)—**HS2ST1 gene;****sequence variation**

name of component: heparan sulfate 2-O-sulfotransferase 1

[NPU34179](#)

DNA(spec.)—HS2ST1 gene; seq.var. = ?

DNA(specification)—**HS3ST1 gene;****sequence variation**

name of component: heparan sulfate (glucosamine) 3-O-sulfotransferase 1

[NPU34180](#)

DNA(spec.)—HS3ST1 gene; seq.var. = ?

DNA(specification)—**HS3ST2 gene;****sequence variation**

name of component: heparan sulfate (glucosamine) 3-O-sulfotransferase 2

[NPU34181](#)

DNA(spec.)—HS3ST2 gene; seq.var. = ?

DNA(specification)—**HS3ST3A1 gene;****sequence variation**

name of component: heparan sulfate (glucosamine) 3-O-sulfotransferase 3A1

[NPU34182](#)

DNA(spec.)—HS3ST3A1 gene; seq.var. = ?

DNA(specification)—**HS3ST3A2 gene;****sequence variation**

name of component: heparan sulfate (glucosamine) 3-O-sulfotransferase 3A2

[NPU34183](#)

DNA(spec.)—HS3ST3A2 gene; seq.var. = ?

DNA(specification)—**HS3ST3B1 gene;****sequence variation**

name of component: heparan sulfate (glucosamine) 3-O-sulfotransferase 3B1

[NPU34184](#)

DNA(spec.)—HS3ST3B1 gene; seq.var. = ?

DNA(specification)—**HS3ST3B2 gene;****sequence variation**

name of component: heparan sulfate (glucosamine) 3-O-sulfotransferase 3B2

[NPU34185](#)

DNA(spec.)—HS3ST3B2 gene; seq.var. = ?

DNA(specification)—**HS3ST4 gene;****sequence variation**

name of component: heparan sulfate (glucosamine) 3-O-sulfotransferase 4

[NPU34186](#)

DNA(spec.)—HS3ST4 gene; seq.var. = ?

DNA(specification)—**HS3ST5 gene;****sequence variation**

name of component: heparan sulfate (glucosamine)
3-O-sulfotransferase 5

[NPU42570](#)

DNA(spec.)—HS3ST5 gene; seq.var. = ?

DNA(specification)—**HS6ST1 gene;****sequence variation**

name of component: heparan sulfate 6-O-
sulfotransferase 1

[NPU34187](#)

DNA(spec.)—HS6ST1 gene; seq.var. = ?

DNA(specification)—**HS6ST2 gene;****sequence variation**

name of component: heparan sulfate 6-O-
sulfotransferase 2

[NPU46880](#)

DNA(spec.)—HS6ST2 gene; seq.var. = ?

DNA(specification)—**HS6ST3 gene;****sequence variation**

name of component: heparan sulfate 6-O-
sulfotransferase 3

[NPU46881](#)

DNA(spec.)—HS6ST3 gene; seq.var. = ?

DNA(specification)—**HSBP1 gene;****sequence variation**

name of component: heat shock factor binding pro-
tein 1

[NPU34188](#)

DNA(spec.)—HSBP1 gene; seq.var. = ?

DNA(specification)—**HSBP1P1 gene;****sequence variation**

name of component: heat shock factor binding pro-
tein 1 pseudogene 1

[NPU47393](#)

DNA(spec.)—HSBP1P1 gene; seq.var. = ?

DNA(specification)—**HSD11B1 gene;****sequence variation**

name of component: hydroxysteroid (11-beta) de-
hydrogenase 1

[NPU34189](#)

DNA(spec.)—HSD11B1 gene; seq.var. = ?

DNA(specification)—**HSD11B2 gene;****sequence variation**

name of component: hydroxysteroid (11-beta) de-
hydrogenase 2

[NPU34190](#)

DNA(spec.)—HSD11B2 gene; seq.var. = ?

DNA(specification)—**HSD17B1 gene;****sequence variation**

name of component: hydroxysteroid (17-beta) de-
hydrogenase 1

[NPU34191](#)

DNA(spec.)—HSD17B1 gene; seq.var. = ?

DNA(specification)—**HSD17B12 gene;****sequence variation**

name of component: hydroxysteroid (17-beta) de-
hydrogenase 12

[NPU46594](#)

DNA(spec.)—HSD17B12 gene; seq.var. = ?

DNA(specification)—**HSD17B13 gene;****sequence variation**

name of component: hydroxysteroid (17-beta) de-
hydrogenase 13

[NPU46613](#)

DNA(spec.)—HSD17B13 gene; seq.var. = ?

DNA(specification)—**HSD17B2 gene;****sequence variation**

name of component: hydroxysteroid (17-beta) de-
hydrogenase 2

[NPU34192](#)

DNA(spec.)—HSD17B2 gene; seq.var. = ?

DNA(specification)—**HSD17B3 gene;****sequence variation**

name of component: hydroxysteroid (17-beta) de-
hydrogenase 3

[NPU34193](#)

DNA(spec.)—HSD17B3 gene; seq.var. = ?

DNA(specification)—**HSD17B4 gene;****sequence variation**

name of component: hydroxysteroid (17-beta) de-
hydrogenase 4

[NPU34194](#)

DNA(spec.)—HSD17B4 gene; seq.var. = ?

DNA(specification)—**HSD17B7 gene;****sequence variation**

name of component: hydroxysteroid (17-beta) dehydrogenase 7

[NPU34195](#)

DNA(spec.)—HSD17B7 gene; seq.var. = ?

DNA(specification)—**HSD17B7P1 gene;****sequence variation**

name of component: hydroxysteroid (17-beta) dehydrogenase 7 pseudogene 1

[NPU46616](#)

DNA(spec.)—HSD17B7P1 gene; seq.var. = ?

DNA(specification)—**HSD17B8 gene;****sequence variation**

name of component: hydroxysteroid (17-beta) dehydrogenase 8

[NPU32820](#)

DNA(spec.)—HSD17B8 gene; seq.var. = ?

DNA(specification)—**HSD17BP1 gene;****sequence variation**

name of component: hydroxysteroid (17-beta) dehydrogenase pseudogene 1

[NPU34196](#)

DNA(spec.)—HSD17BP1 gene; seq.var. = ?

DNA(specification)—**HSD3B1 gene;****sequence variation**

name of component: hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1

[NPU34197](#)

DNA(spec.)—HSD3B1 gene; seq.var. = ?

DNA(specification)—**HSD3B2 gene;****sequence variation**

name of component: hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 2

[NPU34198](#)

DNA(spec.)—HSD3B2 gene; seq.var. = ?

DNA(specification)—**HSD3B7 gene;****sequence variation**

name of component: hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 7

[NPU46404](#)

DNA(spec.)—HSD3B7 gene; seq.var. = ?

DNA(specification)—**HSD3BP1 gene;****sequence variation**

name of component: hydroxy-delta-5-steroid dehydrogenase, 3 beta, pseudogene 1

[NPU34199](#)

DNA(spec.)—HSD3BP1 gene; seq.var. = ?

DNA(specification)—**HSD3BP2 gene;****sequence variation**

name of component: hydroxy-delta-5-steroid dehydrogenase, 3 beta, pseudogene 2

[NPU34200](#)

DNA(spec.)—HSD3BP2 gene; seq.var. = ?

DNA(specification)—**HSD3BP3 gene;****sequence variation**

name of component: hydroxy-delta-5-steroid dehydrogenase, 3 beta, pseudogene 3

[NPU34201](#)

DNA(spec.)—HSD3BP3 gene; seq.var. = ?

DNA(specification)—**HSD3BP4 gene;****sequence variation**

name of component: hydroxy-delta-5-steroid dehydrogenase, 3 beta, pseudogene 4

[NPU34202](#)

DNA(spec.)—HSD3BP4 gene; seq.var. = ?

DNA(specification)—**HSD3BP5 gene;****sequence variation**

name of component: hydroxy-delta-5-steroid dehydrogenase, 3 beta, pseudogene 5

[NPU34203](#)

DNA(spec.)—HSD3BP5 gene; seq.var. = ?

DNA(specification)—**HSF1 gene;****sequence variation**

name of component: heat shock transcription factor 1

[NPU34204](#)

DNA(spec.)—HSF1 gene; seq.var. = ?

DNA(specification)—**HSF2 gene;****sequence variation**

name of component: heat shock transcription factor 2

[NPU34205](#)

DNA(spec.)—HSF2 gene; seq.var. = ?

DNA(specification)—**HSF2BP gene;****sequence variation**

name of component: heat shock transcription factor 2 binding protein

[NPU34206](#)

DNA(spec.)—HSF2BP gene; seq.var. = ?

DNA(specification)—**HSF4 gene;****sequence variation**

name of component: heat shock transcription factor 4

[NPU34207](#)

DNA(spec.)—HSF4 gene; seq.var. = ?

DNA(specification)—**HSFY gene;****sequence variation**

name of component: heat shock transcription factor, Y-linked

[NPU46537](#)

DNA(spec.)—HSFY gene; seq.var. = ?

DNA(specification)—**HSN1 gene;****sequence variation**

name of component: hereditary sensory neuropathy, type 1

[NPU34210](#)

DNA(spec.)—HSN1 gene; seq.var. = ?

DNA(specification)—**HSPA12A gene;****sequence variation**

name of component: heat shock 70 kDa protein 12A

[NPU46824](#)

DNA(spec.)—HSPA12A gene; seq.var. = ?

DNA(specification)—**HSPA12B gene;****sequence variation**

name of component: heat shock 70kD protein 12B

[NPU44237](#)

DNA(spec.)—HSPA12B gene; seq.var. = ?

DNA(specification)—**HSPA1A gene;****sequence variation**

name of component: heat shock 70 kDa protein 1A

[NPU34211](#)

DNA(spec.)—HSPA1A gene; seq.var. = ?

DNA(specification)—**HSPA1B gene;****sequence variation**

name of component: heat shock 70 kDa protein 1B

[NPU34212](#)

DNA(spec.)—HSPA1B gene; seq.var. = ?

DNA(specification)—**HSPA1L gene;****sequence variation**

name of component: heat shock 70 kDa protein 1-like

[NPU34213](#)

DNA(spec.)—HSPA1L gene; seq.var. = ?

DNA(specification)—**HSPA2 gene;****sequence variation**

name of component: heat shock 70 kDa protein 2

[NPU34214](#)

DNA(spec.)—HSPA2 gene; seq.var. = ?

DNA(specification)—**HSPA3 gene;****sequence variation**

name of component: heat shock 70 kDa protein 3

[NPU34215](#)

DNA(spec.)—HSPA3 gene; seq.var. = ?

DNA(specification)—**HSPA4 gene;****sequence variation**

name of component: heat shock 70 kDa protein 4

[NPU34216](#)

DNA(spec.)—HSPA4 gene; seq.var. = ?

DNA(specification)—**HSPA5 gene;****sequence variation**

name of component: heat shock 70 kDa protein 5 (glucose-regulated protein, 78 kDa)

[NPU34217](#)

DNA(spec.)—HSPA5 gene; seq.var. = ?

DNA(specification)—**HSPA6 gene;****sequence variation**

name of component: heat shock 70 kDa protein 6 (HSP70B')

[NPU34218](#)

DNA(spec.)—HSPA6 gene; seq.var. = ?

DNA(specification)—**HSPA7 gene;****sequence variation**

name of component: heat shock 70 kDa protein 7 (HSP70B)

[NPU34219](#)

DNA(spec.)—HSPA7 gene; seq.var. = ?

DNA(specification)—**HSPA8 gene;****sequence variation**

name of component: heat shock 70 kDa protein 8

[NPU34220](#)

DNA(spec.)—HSPA8 gene; seq.var. = ?

DNA(specification)—**HSPA9A gene;****sequence variation**

name of component: heat shock 70 kDa protein 9A (mortalin-1)

[NPU34221](#)

DNA(spec.)—HSPA9A gene; seq.var. = ?

DNA(specification)—**HSPA9B gene;****sequence variation**

name of component: heat shock 70 kDa protein 9B (mortalin-2)

[NPU34222](#)

DNA(spec.)—HSPA9B gene; seq.var. = ?

DNA(specification)—**HSPAP1 gene;****sequence variation**

name of component: heat shock 70 kDa protein pseudogene 1

[NPU34223](#)

DNA(spec.)—HSPAP1 gene; seq.var. = ?

DNA(specification)—**HSPB1 gene;****sequence variation**

name of component: heat shock 27 kDa protein 1

[NPU34224](#)

DNA(spec.)—HSPB1 gene; seq.var. = ?

DNA(specification)—**HSPB2 gene;****sequence variation**

name of component: heat shock 27 kDa protein 2

[NPU34225](#)

DNA(spec.)—HSPB2 gene; seq.var. = ?

DNA(specification)—**HSPB3 gene;****sequence variation**

name of component: heat shock 27 kDa protein 3

[NPU34226](#)

DNA(spec.)—HSPB3 gene; seq.var. = ?

DNA(specification)—**HSPB7 gene;****sequence variation**

name of component: heat shock 27 kDa protein family, member 7 (cardiovascular)

[NPU34227](#)

DNA(spec.)—HSPB7 gene; seq.var. = ?

DNA(specification)—**HSPBAP1 gene;****sequence variation**

name of component: HSPB (heat shock 27 kDa) associated protein 1

[NPU44397](#)

DNA(spec.)—HSPBAP1 gene; seq.var. = ?

DNA(specification)—**HSPBL1 gene;****sequence variation**

name of component: heat shock 27 kDa protein-like 1

[NPU34228](#)

DNA(spec.)—HSPBL1 gene; seq.var. = ?

DNA(specification)—**HSPBL2 gene;****sequence variation**

name of component: heat shock 27 kDa protein-like 2

[NPU34229](#)

DNA(spec.)—HSPBL2 gene; seq.var. = ?

DNA(specification)—**HSPBL3 gene;****sequence variation**

name of component: heat shock 27 kDa protein-like 3

[NPU34230](#)

DNA(spec.)—HSPBL3 gene; seq.var. = ?

DNA(specification)—**HSPCA gene;****sequence variation**

name of component: heat shock 90 kDa protein 1, alpha

[NPU34231](#)

DNA(spec.)—HSPCA gene; seq.var. = ?

DNA(specification)—**HSPCAL1 gene;****sequence variation**

name of component: heat shock 90 kDa protein 1, alpha-like 1

[NPU34232](#)

DNA(spec.)—HSPCAL1 gene; seq.var. = ?

DNA(specification)—**HSPCAL2 gene;****sequence variation**

name of component: heat shock 90 kDa protein 1, alpha-like 2

[NPU34233](#)

DNA(spec.)—HSPCAL2 gene; seq.var. = ?

DNA(specification)—**HSPCAL3 gene;****sequence variation**

name of component: heat shock 90 kDa protein 1, alpha-like 3

[NPU34234](#)

DNA(spec.)—HSPCAL3 gene; seq.var. = ?

DNA(specification)—**HSPCAL4 gene;****sequence variation**

name of component: heat shock 90 kDa protein 1, alpha-like 4

[NPU34235](#)

DNA(spec.)—HSPCAL4 gene; seq.var. = ?

DNA(specification)—**HSPCB gene;****sequence variation**

name of component: heat shock 90 kDa protein 1, beta

[NPU34236](#)

DNA(spec.)—HSPCB gene; seq.var. = ?

DNA(specification)—**HSPCP1 gene;****sequence variation**

name of component: heat shock 90 kDa protein 1, beta pseudogene 1

[NPU34237](#)

DNA(spec.)—HSPCP1 gene; seq.var. = ?

DNA(specification)—**HSPCP2 gene;****sequence variation**

name of component: heat shock 90 kDa protein 1, beta pseudogene 2

[NPU34238](#)

DNA(spec.)—HSPCP2 gene; seq.var. = ?

DNA(specification)—**HSPD1 gene;****sequence variation**

name of component: heat shock 60 kDa protein 1 (chaperonin)

[NPU34239](#)

DNA(spec.)—HSPD1 gene; seq.var. = ?

DNA(specification)—**HSPDP1 gene;****sequence variation**

name of component: heat shock 60 kDa protein 1 (chaperonin) pseudogene 1

[NPU34240](#)

DNA(spec.)—HSPDP1 gene; seq.var. = ?

DNA(specification)—**HSPDP2 gene;****sequence variation**

name of component: heat shock 60 kDa protein 1 (chaperonin) pseudogene 2

[NPU34241](#)

DNA(spec.)—HSPDP2 gene; seq.var. = ?

DNA(specification)—**HSPDP3 gene;****sequence variation**

name of component: heat shock 60 kDa protein 1 (chaperonin) pseudogene 3

[NPU34242](#)

DNA(spec.)—HSPDP3 gene; seq.var. = ?

DNA(specification)—**HSPDP4 gene;****sequence variation**

name of component: heat shock 60 kDa protein 1 (chaperonin) pseudogene 4

[NPU34243](#)

DNA(spec.)—HSPDP4 gene; seq.var. = ?

DNA(specification)—**HSPDP5 gene;****sequence variation**

name of component: heat shock 60 kDa protein 1 (chaperonin) pseudogene 5

[NPU34244](#)

DNA(spec.)—HSPDP5 gene; seq.var. = ?

DNA(specification)—**HSPDP6 gene;****sequence variation**

name of component: heat shock 60 kDa protein 1 (chaperonin) pseudogene 6

[NPU34245](#)

DNA(spec.)—HSPDP6 gene; seq.var. = ?

DNA(specification)—**HSPDP7 gene;****sequence variation**

name of component: heat shock 60 kDa protein 1 (chaperonin) pseudogene 7

[NPU34246](#)

DNA(spec.)—HSPDP7 gene; seq.var. = ?

DNA(specification)—**HSPE1 gene;****sequence variation**

name of component: heat shock 10 kDa protein 1 (chaperonin 10)

[NPU34247](#)

DNA(spec.)—HSPE1 gene; seq.var. = ?

DNA(specification)—**HSPEP1 gene;****sequence variation**

name of component: heat shock 10 kDa protein 1 (chaperonin 10) pseudogene 1

[NPU44511](#)

DNA(spec.)—HSPEP1 gene; seq.var. = ?

DNA(specification)—**HSPEP2 gene;****sequence variation**

name of component: heat shock 10 kDa protein 1 (chaperonin 10) pseudogene 2

[NPU47392](#)

DNA(spec.)—HSPEP2 gene; seq.var. = ?

DNA(specification)—**HSPG2 gene;****sequence variation**

name of component: heparan sulfate proteoglycan 2 (perlecan)

[NPU34250](#)

DNA(spec.)—HSPG2 gene; seq.var. = ?

DNA(specification)—**HSPH1 gene;****sequence variation**

name of component: heat shock 105 kDa/110 kDa protein 1

[NPU44793](#)

DNA(spec.)—HSPH1 gene; seq.var. = ?

DNA(specification)—**HTATIP gene;****sequence variation**

name of component: HIV-1 Tat interactive protein, 60 kDa

[NPU34251](#)

DNA(spec.)—HTATIP gene; seq.var. = ?

DNA(specification)—**HTATIP2 gene;****sequence variation**

name of component: HIV-1 Tat interactive protein 2, 30 kDa

[NPU44609](#)

DNA(spec.)—HTATIP2 gene; seq.var. = ?

DNA(specification)—**HTATSF1 gene;****sequence variation**

name of component: HIV TAT specific factor 1

[NPU34252](#)

DNA(spec.)—HTATSF1 gene; seq.var. = ?

DNA(specification)—**HTC1 gene;****sequence variation**

name of component: hypertrichosis 1 (universalis, congenital)

[NPU34253](#)

DNA(spec.)—HTC1 gene; seq.var. = ?

DNA(specification)—**HTC2 gene;****sequence variation**

name of component: hypertrichosis 2 (generalised, congenital)

[NPU34254](#)

DNA(spec.)—HTC2 gene; seq.var. = ?

DNA(specification)—**HTL gene;****sequence variation**

name of component: high L-leucine transport

[NPU34255](#)

DNA(spec.)—HTL gene; seq.var. = ?

DNA(specification)—**HTLF gene;****sequence variation**

name of component: human T-cell leukemia virus enhancer factor

[NPU34256](#)

DNA(spec.)—HTLF gene; seq.var. = ?

DNA(specification)—**HTLVR gene;****sequence variation**

name of component: human T-cell leukemia virus (I and II) receptor

[NPU34257](#)

DNA(spec.)—HTLVR gene; seq.var. = ?

DNA(specification)—**HTN1 gene;****sequence variation**

name of component: histatin 1

[NPU34258](#)

DNA(spec.)—HTN1 gene; seq.var. = ?

DNA(specification)—**HTN3 gene;****sequence variation**

name of component: histatin 3

[NPU34259](#)

DNA(spec.)—HTN3 gene; seq.var. = ?

DNA(specification)—**HTOR gene;****sequence variation**

name of component: 5-hydroxytryptamine (serotonin) oxygenase regulator

[NPU34260](#)

DNA(spec.)—HTOR gene; seq.var. = ?

DNA(specification)—**HTR1A gene;****sequence variation**

name of component: 5-hydroxytryptamine (serotonin) receptor 1A

[NPU34261](#)

DNA(spec.)—HTR1A gene; seq.var. = ?

DNA(specification)—**HTR1B gene;****sequence variation**

name of component: 5-hydroxytryptamine (serotonin) receptor 1B

[NPU34262](#)

DNA(spec.)—HTR1B gene; seq.var. = ?

DNA(specification)—**HTR1D gene;****sequence variation**

name of component: 5-hydroxytryptamine (serotonin) receptor 1D

[NPU34263](#)

DNA(spec.)—HTR1D gene; seq.var. = ?

DNA(specification)—**HTR1DP1 gene;****sequence variation**

name of component: 5-hydroxytryptamine (serotonin) receptor 1D pseudogene 1

[NPU34264](#)

DNA(spec.)—HTR1DP1 gene; seq.var. = ?

DNA(specification)—**HTR1E gene;****sequence variation**

name of component: 5-hydroxytryptamine (serotonin) receptor 1E

[NPU34265](#)

DNA(spec.)—HTR1E gene; seq.var. = ?

DNA(specification)—**HTR1F gene;****sequence variation**

name of component: 5-hydroxytryptamine (serotonin) receptor 1F

[NPU34266](#)

DNA(spec.)—HTR1F gene; seq.var. = ?

DNA(specification)—**HTR2A gene;****sequence variation**

name of component: 5-hydroxytryptamine (serotonin) receptor 2A

[NPU34267](#)

DNA(spec.)—HTR2A gene; seq.var. = ?

DNA(specification)—**HTR2B gene;****sequence variation**

name of component: 5-hydroxytryptamine (serotonin) receptor 2B

[NPU34268](#)

DNA(spec.)—HTR2B gene; seq.var. = ?

DNA(specification)—**HTR2C gene;****sequence variation**

name of component: 5-hydroxytryptamine (serotonin) receptor 2C

[NPU34269](#)

DNA(spec.)—HTR2C gene; seq.var. = ?

DNA(specification)—**HTR3A gene;****sequence variation**

name of component: 5-hydroxytryptamine (serotonin) receptor 3A

[NPU34270](#)

DNA(spec.)—HTR3A gene; seq.var. = ?

DNA(specification)—**HTR3B gene;****sequence variation**

name of component: 5-hydroxytryptamine (serotonin) receptor 3B

[NPU34271](#)

DNA(spec.)—HTR3B gene; seq.var. = ?

DNA(specification)—**HTR4 gene;****sequence variation**

name of component: 5-hydroxytryptamine (serotonin) receptor 4

[NPU34272](#)

DNA(spec.)—HTR4 gene; seq.var. = ?

DNA(specification)—**HTR5A gene;****sequence variation**

name of component: 5-hydroxytryptamine (serotonin) receptor 5A

[NPU34273](#)

DNA(spec.)—HTR5A gene; seq.var. = ?

DNA(specification)—**HTR5B gene;****sequence variation**

name of component: 5-hydroxytryptamine (serotonin) receptor 5B

[NPU44326](#)

DNA(spec.)—HTR5B gene; seq.var. = ?

DNA(specification)—**HTR6 gene;****sequence variation**

name of component: 5-hydroxytryptamine (serotonin) receptor 6

[NPU34274](#)

DNA(spec.)—HTR6 gene; seq.var. = ?

DNA(specification)—**HTR7 gene;****sequence variation**

name of component: 5-hydroxytryptamine (serotonin) receptor 7 (adenylate cyclase-coupled)

[NPU34275](#)

DNA(spec.)—HTR7 gene; seq.var. = ?

DNA(specification)—**HTX2 gene;****sequence variation**

name of component: heterotaxy 2 (autosomal dominant)

[NPU34276](#)

DNA(spec.)—HTX2 gene; seq.var. = ?

DNA(specification)—**HUNK gene;****sequence variation**

name of component: hormonally upregulated Neu-associated kinase

[NPU42092](#)

DNA(spec.)—HUNK gene; seq.var. = ?

DNA(specification)—**HUS1 gene;****sequence variation**

name of component: HUS1 checkpoint homolog (S. pombe)

[NPU34277](#)

DNA(spec.)—HUS1 gene; seq.var. = ?

DNA(specification)—**HV1S gene;****sequence variation**

name of component: herpes simplex virus type 1 sensitivity

[NPU34278](#)

DNA(spec.)—HV1S gene; seq.var. = ?

DNA(specification)—**HVBS1 gene;****sequence variation**

name of component: hepatitis B virus integration site 1

[NPU34279](#)

DNA(spec.)—HVBS1 gene; seq.var. = ?

DNA(specification)—**HVBS4 gene;****sequence variation**

name of component: hepatitis B virus integration site 4

[NPU34280](#)

DNA(spec.)—HVBS4 gene; seq.var. = ?

DNA(specification)—**HVBS6 gene;****sequence variation**

name of component: hepatitis B virus integration site 6

[NPU34281](#)

DNA(spec.)—HVBS6 gene; seq.var. = ?

DNA(specification)—**HVBS7 gene;****sequence variation**

name of component: hepatitis B virus integration site 7

[NPU34282](#)

DNA(spec.)—HVBS7 gene; seq.var. = ?

DNA(specification)—**HVBS8 gene;****sequence variation**

name of component: hepatitis B virus integration site 8

[NPU34283](#)

DNA(spec.)—HVBS8 gene; seq.var. = ?

DNA(specification)—**HYAL1 gene;****sequence variation**

name of component: hyaluronoglucosaminidase 1

[NPU34285](#)

DNA(spec.)—HYAL1 gene; seq.var. = ?

DNA(specification)—**HYAL2 gene;****sequence variation**

name of component: hyaluronoglucosaminidase 2

[NPU34286](#)

DNA(spec.)—HYAL2 gene; seq.var. = ?

DNA(specification)—**HYAL3 gene;****sequence variation**

name of component: hyaluronoglucosaminidase 3

[NPU34287](#)

DNA(spec.)—HYAL3 gene; seq.var. = ?

DNA(specification)—**HYAL4 gene;****sequence variation**

name of component: hyaluronoglucosaminidase 4

[NPU34288](#)

DNA(spec.)—HYAL4 gene; seq.var. = ?

DNA(specification)—**HYALP1 gene;****sequence variation**

name of component: hyaluronoglucosaminidase
pseudogene 1

[NPU34289](#)

DNA(spec.)—HYALP1 gene; seq.var. = ?

DNA(specification)—**HYD2 gene;****sequence variation**

name of component: hypodontia, autosomal recessive (2)

[NPU42343](#)

DNA(spec.)—HYD2 gene; seq.var. = ?

DNA(specification)—**HYMAI gene;****sequence variation**

name of component: hydatidiform mole associated and imprinted

[NPU34290](#)

DNA(spec.)—HYMAI gene; seq.var. = ?

DNA(specification)—**HYOU1 gene;****sequence variation**

name of component: hypoxia up-regulated 1

[NPU44779](#)

DNA(spec.)—HYOU1 gene; seq.var. = ?

DNA(specification)—**HAAO gene;****sequence variation**

name of component: 3-hydroxyanthranilate 3,4-dioxygenase

[NPU33881](#)

DNA(spec.)—HAAO gene; seq.var. = ?

DNA(specification)—**IAN4L1 gene;****sequence variation**

name of component: immune associated nucleotide 4 like 1 (mouse)

[NPU46221](#)

DNA(spec.)—IAN4L1 gene; seq.var. = ?

DNA(specification)—**IAPP gene;****sequence variation**

name of component: islet amyloid polypeptide

[NPU34291](#)

DNA(spec.)—IAPP gene; seq.var. = ?

DNA(specification)—**IARS gene;****sequence variation**

name of component: isoleucine-tRNA synthetase

[NPU34292](#)

DNA(spec.)—IARS gene; seq.var. = ?

DNA(specification)—**IBD2 gene;****sequence variation**

name of component: inflammatory bowel disease 2

[NPU34294](#)

DNA(spec.)—IBD2 gene; seq.var. = ?

DNA(specification)—**IBD3 gene;****sequence variation**

name of component: inflammatory bowel disease 3

[NPU42361](#)

DNA(spec.)—IBD3 gene; seq.var. = ?

DNA(specification)—**IBD4 gene;****sequence variation**

name of component: inflammatory bowel disease 4

[NPU34295](#)

DNA(spec.)—IBD4 gene; seq.var. = ?

DNA(specification)—**IBD5 gene;****sequence variation**

name of component: inflammatory bowel disease 5

[NPU34296](#)

DNA(spec.)—IBD5 gene; seq.var. = ?

DNA(specification)—**IBD6 gene;****sequence variation**

name of component: inflammatory bowel disease 6

[NPU34297](#)

DNA(spec.)—IBD6 gene; seq.var. = ?

DNA(specification)—**IBD7 gene;****sequence variation**

name of component: inflammatory bowel disease 7

[NPU42610](#)

DNA(spec.)—IBD7 gene; seq.var. = ?

DNA(specification)—**IBD8 gene;****sequence variation**

name of component: inflammatory bowel disease 8

[NPU47508](#)

DNA(spec.)—IBD8 gene; seq.var. = ?

DNA(specification)—**IBD9 gene;****sequence variation**

name of component: inflammatory bowel disease 9

[NPU47509](#)

DNA(spec.)—IBD9 gene; seq.var. = ?

DNA(specification)—**IBGC1 gene;****sequence variation**

name of component: idiopathic basal ganglia calcification 1

[NPU34298](#)

DNA(spec.)—IBGC1 gene; seq.var. = ?

DNA(specification)—**IBM2 gene;****sequence variation**

name of component: inclusion body myopathy 2, autosomal recessive

[NPU34299](#)

DNA(spec.)—IBM2 gene; seq.var. = ?

DNA(specification)—**IBM3 gene;****sequence variation**

name of component: inclusion body myopathy 3, autosomal dominant

[NPU34300](#)

DNA(spec.)—IBM3 gene; seq.var. = ?

DNA(specification)—**IBSP gene;****sequence variation**

name of component: integrin-binding sialoprotein (bone sialoprotein, bone sialoprotein II)

[NPU34301](#)

DNA(spec.)—IBSP gene; seq.var. = ?

DNA(specification)—**ICA1 gene;****sequence variation**

name of component: islet cell autoantigen 1, 69 kDa

[NPU34302](#)

DNA(spec.)—ICA1 gene; seq.var. = ?

DNA(specification)—**ICAM1 gene;****sequence variation**

name of component: intercellular adhesion molecule 1 (CD54), human rhinovirus receptor

[NPU34303](#)

DNA(spec.)—ICAM1 gene; seq.var. = ?

DNA(specification)—**ICAM2 gene;****sequence variation**

name of component: intercellular adhesion molecule 2

[NPU34304](#)

DNA(spec.)—ICAM2 gene; seq.var. = ?

DNA(specification)—**ICAM3 gene;****sequence variation**

name of component: intercellular adhesion molecule 3

[NPU34305](#)

DNA(spec.)—ICAM3 gene; seq.var. = ?

DNA(specification)—**ICAM4 gene;****sequence variation**

name of component: intercellular adhesion molecule 4, Landsteiner-Wiener blood group

[NPU34306](#)

DNA(spec.)—ICAM4 gene; seq.var. = ?

DNA(specification)—**ICAM5 gene;****sequence variation**

name of component: intercellular adhesion molecule 5, telencephalin

[NPU34307](#)

DNA(spec.)—ICAM5 gene; seq.var. = ?

DNA(specification)—**ICCA gene;****sequence variation**

name of component: infantile convulsions and paroxysmal choreoathetosis

[NPU34308](#)

DNA(spec.)—ICCA gene; seq.var. = ?

DNA(specification)—**ICMT gene;****sequence variation**

name of component: isoprenylcysteine carboxyl methyltransferase

[NPU34309](#)

DNA(spec.)—ICMT gene; seq.var. = ?

DNA(specification)—**ICOS gene;****sequence variation**

name of component: inducible T-cell co-stimulator

[NPU34310](#)

DNA(spec.)—ICOS gene; seq.var. = ?

DNA(specification)—**ICR1 gene;****sequence variation**

name of component: ichthyosis congenita I, erythromatous lamellar ichthyosis, ichthyosiform erythroderma

[NPU34311](#)

DNA(spec.)—ICR1 gene; seq.var. = ?

DNA(specification)—**ICR2B gene;****sequence variation**

name of component: ichthyosis congenita II, lamellar ichthyosis B

[NPU34312](#)

DNA(spec.)—ICR2B gene; seq.var. = ?

DNA(specification)—**ICR3 gene;****sequence variation**

name of component: ichthyosis congenita III, vulgaris-like recessive ichthyosis

[NPU34313](#)

DNA(spec.)—ICR3 gene; seq.var. = ?

DNA(specification)—**ICR4 gene;****sequence variation**

name of component: ichthyosis congenita IV, ichthyosis-prematurity syndrome

[NPU34314](#)

DNA(spec.)—ICR4 gene; seq.var. = ?

DNA(specification)—**ICR5 gene;****sequence variation**

name of component: ichthyosis congenita V, Sjogren-Larsson-like

[NPU34315](#)

DNA(spec.)—ICR5 gene; seq.var. = ?

DNA(specification)—**ICS1 gene;****sequence variation**

name of component: immotile cilia syndrome 1

[NPU34316](#)

DNA(spec.)—ICS1 gene; seq.var. = ?

DNA(specification)—**ICSBP1 gene;****sequence variation**

name of component: interferon consensus sequence binding protein 1

[NPU34317](#)

DNA(spec.)—ICSBP1 gene; seq.var. = ?

DNA(specification)—**ICT1 gene;****sequence variation**

name of component: immature colon carcinoma transcript 1

[NPU34318](#)

DNA(spec.)—ICT1 gene; seq.var. = ?

DNA(specification)—**ID1 gene;****sequence variation**

name of component: inhibitor of DNA binding 1, dominant negative helix-loop-helix protein

[NPU34319](#)

DNA(spec.)—ID1 gene; seq.var. = ?

DNA(specification)—**ID2 gene;****sequence variation**

name of component: inhibitor of DNA binding 2, dominant negative helix-loop-helix protein

[NPU34320](#)

DNA(spec.)—ID2 gene; seq.var. = ?

DNA(specification)—**ID3 gene;****sequence variation**

name of component: inhibitor of DNA binding 3, dominant negative helix-loop-helix protein

[NPU34321](#)

DNA(spec.)—ID3 gene; seq.var. = ?

DNA(specification)—**ID4 gene;****sequence variation**

name of component: inhibitor of DNA binding 4, dominant negative helix-loop-helix protein

[NPU34322](#)

DNA(spec.)—ID4 gene; seq.var. = ?

DNA(specification)—**IDDM10 gene;****sequence variation**

name of component: insulin-dependent diabetes mellitus 10

[NPU34323](#)

DNA(spec.)—IDDM10 gene; seq.var. = ?

DNA(specification)—**IDDM11 gene;****sequence variation**

name of component: insulin-dependent diabetes mellitus 11

[NPU34324](#)

DNA(spec.)—IDDM11 gene; seq.var. = ?

DNA(specification)—**IDDM12 gene;****sequence variation**

name of component: insulin-dependent diabetes mellitus 12

[NPU34325](#)

DNA(spec.)—IDDM12 gene; seq.var. = ?

DNA(specification)—
IDDM13 gene;
sequence variation
name of component: insulin-dependent diabetes mellitus 13
[NPU34326](#)
DNA(spec.)—IDDM13 gene; seq.var. = ?

DNA(specification)—
IDDM14 gene;
sequence variation
name of component: insulin-dependent diabetes mellitus 14
[NPU34327](#)
DNA(spec.)—IDDM14 gene; seq.var. = ?

DNA(specification)—
IDDM15 gene;
sequence variation
name of component: insulin-dependent diabetes mellitus 15
[NPU34328](#)
DNA(spec.)—IDDM15 gene; seq.var. = ?

DNA(specification)—
IDDM16 gene;
sequence variation
name of component: insulin-dependent diabetes mellitus 16
[NPU34329](#)
DNA(spec.)—IDDM16 gene; seq.var. = ?

DNA(specification)—
IDDM17 gene;
sequence variation
name of component: insulin-dependent diabetes mellitus 17
[NPU34330](#)
DNA(spec.)—IDDM17 gene; seq.var. = ?

DNA(specification)—
IDDM18 gene;
sequence variation
name of component: insulin-dependent diabetes mellitus 18
[NPU34331](#)
DNA(spec.)—IDDM18 gene; seq.var. = ?

DNA(specification)—
IDDM2 gene;
sequence variation
name of component: insulin-dependent diabetes mellitus 2
[NPU34332](#)
DNA(spec.)—IDDM2 gene; seq.var. = ?

DNA(specification)—
IDDM3 gene;
sequence variation
name of component: insulin-dependent diabetes mellitus 3
[NPU34333](#)
DNA(spec.)—IDDM3 gene; seq.var. = ?

DNA(specification)—
IDDM4 gene;
sequence variation
name of component: insulin-dependent diabetes mellitus 4
[NPU34334](#)
DNA(spec.)—IDDM4 gene; seq.var. = ?

DNA(specification)—
IDDM5 gene;
sequence variation
name of component: insulin-dependent diabetes mellitus 5
[NPU34335](#)
DNA(spec.)—IDDM5 gene; seq.var. = ?

DNA(specification)—
IDDM6 gene;
sequence variation
name of component: insulin-dependent diabetes mellitus 6
[NPU34336](#)
DNA(spec.)—IDDM6 gene; seq.var. = ?

DNA(specification)—
IDDM7 gene;
sequence variation
name of component: insulin-dependent diabetes mellitus 7
[NPU34337](#)
DNA(spec.)—IDDM7 gene; seq.var. = ?

DNA(specification)—
IDDM8 gene;
sequence variation
name of component: insulin-dependent diabetes mellitus 8
[NPU34338](#)
DNA(spec.)—IDDM8 gene; seq.var. = ?

DNA(specification)—
IDDM9 gene;
sequence variation
name of component: insulin-dependent diabetes mellitus 9
[NPU34339](#)
DNA(spec.)—IDDM9 gene; seq.var. = ?

DNA(specification)—**IDE gene;****sequence variation**

name of component: insulin-degrading enzyme

[NPU34340](#)

DNA(spec.)—IDE gene; seq.var. = ?

DNA(specification)—**IDH1 gene;****sequence variation**

name of component: isocitrate dehydrogenase 1 (NADP+), soluble

[NPU34341](#)

DNA(spec.)—IDH1 gene; seq.var. = ?

DNA(specification)—**IDH2 gene;****sequence variation**

name of component: isocitrate dehydrogenase 2 (NADP+), mitochondrial

[NPU34342](#)

DNA(spec.)—IDH2 gene; seq.var. = ?

DNA(specification)—**IDH3A gene;****sequence variation**

name of component: isocitrate dehydrogenase 3 (NAD+) alpha

[NPU34343](#)

DNA(spec.)—IDH3A gene; seq.var. = ?

DNA(specification)—**IDH3B gene;****sequence variation**

name of component: isocitrate dehydrogenase 3 (NAD+) beta

[NPU34344](#)

DNA(spec.)—IDH3B gene; seq.var. = ?

DNA(specification)—**IDH3G gene;****sequence variation**

name of component: isocitrate dehydrogenase 3 (NAD+) gamma

[NPU34345](#)

DNA(spec.)—IDH3G gene; seq.var. = ?

DNA(specification)—**IDI1 gene;****sequence variation**

name of component: isopentenyl-diphosphate delta isomerase

[NPU34346](#)

DNA(spec.)—IDI1 gene; seq.var. = ?

DNA(specification)—**IDS gene;****sequence variation**

name of component: iduronate 2-sulfatase (Hunter syndrome)

[NPU19118](#)

DNA(spec.)—IDS gene; seq.var. = ?

DNA(specification)—**IDSP1 gene;****sequence variation**

name of component: iduronate 2-sulfatase pseudogene 1

[NPU34347](#)

DNA(spec.)—IDSP1 gene; seq.var. = ?

DNA(specification)—**IDUA gene;****sequence variation**

name of component: iduronidase, alpha-L-

[NPU19119](#)

DNA(spec.)—IDUA gene; seq.var. = ?

DNA(specification)—**IER3 gene;****sequence variation**

name of component: immediate early response 3

[NPU34348](#)

DNA(spec.)—IER3 gene; seq.var. = ?

DNA(specification)—**IER5 gene;****sequence variation**

name of component: immediate early response 5

[NPU34349](#)

DNA(spec.)—IER5 gene; seq.var. = ?

DNA(specification)—**IF gene;****sequence variation**

name of component: I factor (complement)

[NPU19244](#)

DNA(spec.)—IF gene; seq.var. = ?

DNA(specification)—**IFI16 gene;****sequence variation**

name of component: interferon, gamma-inducible protein 16

[NPU34350](#)

DNA(spec.)—IFI16 gene; seq.var. = ?

DNA(specification)—**IFI27 gene;****sequence variation**

name of component: interferon, alpha-inducible protein 27

[NPU34351](#)

DNA(spec.)—IFI27 gene; seq.var. = ?

DNA(specification)—**IFI30 gene;****sequence variation**

name of component: interferon, gamma-inducible protein 30

[NPU34352](#)

DNA(spec.)—IFI30 gene; seq.var. = ?

DNA(specification)—**IFI35 gene;****sequence variation**

name of component: interferon-induced protein 35

[NPU34353](#)

DNA(spec.)—IFI35 gene; seq.var. = ?

DNA(specification)—**IFI4 gene;****sequence variation**

name of component: interferon-induced protein 4

[NPU34354](#)

DNA(spec.)—IFI4 gene; seq.var. = ?

DNA(specification)—**IFI44 gene;****sequence variation**

name of component: interferon-induced protein 44

[NPU44783](#)

DNA(spec.)—IFI44 gene; seq.var. = ?

DNA(specification)—**IFIT1 gene;****sequence variation**

name of component: interferon-induced protein with tetratricopeptide repeats 1

[NPU34356](#)

DNA(spec.)—IFIT1 gene; seq.var. = ?

DNA(specification)—**IFIT1P gene;****sequence variation**

name of component: interferon-induced protein with tetratricopeptide repeats 1, pseudogene

[NPU34357](#)

DNA(spec.)—IFIT1P gene; seq.var. = ?

DNA(specification)—**IFIT2 gene;****sequence variation**

name of component: interferon-induced protein with tetratricopeptide repeats 2

[NPU34358](#)

DNA(spec.)—IFIT2 gene; seq.var. = ?

DNA(specification)—**IFIT3 gene;****sequence variation**

name of component: interferon-induced protein with tetratricopeptide repeats 3

[NPU34359](#)

DNA(spec.)—IFIT3 gene; seq.var. = ?

DNA(specification)—**IFIT4 gene;****sequence variation**

name of component: interferon-induced protein with tetratricopeptide repeats 4

[NPU34360](#)

DNA(spec.)—IFIT4 gene; seq.var. = ?

DNA(specification)—**IFITM1 gene;****sequence variation**

name of component: interferon induced transmembrane protein 1 (9-27)

[NPU34361](#)

DNA(spec.)—IFITM1 gene; seq.var. = ?

DNA(specification)—**IFITM2 gene;****sequence variation**

name of component: interferon induced transmembrane protein 2 (1-8D)

[NPU34362](#)

DNA(spec.)—IFITM2 gene; seq.var. = ?

DNA(specification)—**IFITM3 gene;****sequence variation**

name of component: interferon induced transmembrane protein 3 (1-8U)

[NPU34363](#)

DNA(spec.)—IFITM3 gene; seq.var. = ?

DNA(specification)—**IFN1@ gene;****sequence variation**

name of component: interferon, type 1, cluster

[NPU34364](#)

DNA(spec.)—IFN1@ gene; seq.var. = ?

DNA(specification)—**IFNA1 gene;****sequence variation**

name of component: interferon, alpha 1

[NPU34365](#)

DNA(spec.)—IFNA1 gene; seq.var. = ?

DNA(specification)—**IFNA10 gene;****sequence variation**

name of component: interferon, alpha 10

[NPU34366](#)

DNA(spec.)—IFNA10 gene; seq.var. = ?

DNA(specification)—**IFNA13 gene;****sequence variation**

name of component: interferon, alpha 13

[NPU34367](#)

DNA(spec.)—IFNA13 gene; seq.var. = ?

DNA(specification)—
IFNA14 gene;
sequence variation
name of component: interferon, alpha 14
[NPU34368](#)
DNA(spec.)—IFNA14 gene; seq.var. = ?

DNA(specification)—
IFNA16 gene;
sequence variation
name of component: interferon, alpha 16
[NPU34369](#)
DNA(spec.)—IFNA16 gene; seq.var. = ?

DNA(specification)—
IFNA17 gene;
sequence variation
name of component: interferon, alpha 17
[NPU34370](#)
DNA(spec.)—IFNA17 gene; seq.var. = ?

DNA(specification)—
IFNA2 gene;
sequence variation
name of component: interferon, alpha 2
[NPU34371](#)
DNA(spec.)—IFNA2 gene; seq.var. = ?

DNA(specification)—
IFNA21 gene;
sequence variation
name of component: interferon, alpha 21
[NPU34372](#)
DNA(spec.)—IFNA21 gene; seq.var. = ?

DNA(specification)—
IFNA4 gene;
sequence variation
name of component: interferon, alpha 4
[NPU34373](#)
DNA(spec.)—IFNA4 gene; seq.var. = ?

DNA(specification)—
IFNA5 gene;
sequence variation
name of component: interferon, alpha 5
[NPU34374](#)
DNA(spec.)—IFNA5 gene; seq.var. = ?

DNA(specification)—
IFNA6 gene;
sequence variation
name of component: interferon, alpha 6
[NPU34375](#)
DNA(spec.)—IFNA6 gene; seq.var. = ?

DNA(specification)—
IFNA7 gene;
sequence variation
name of component: interferon, alpha 7
[NPU34376](#)
DNA(spec.)—IFNA7 gene; seq.var. = ?

DNA(specification)—
IFNA8 gene;
sequence variation
name of component: interferon, alpha 8
[NPU34377](#)
DNA(spec.)—IFNA8 gene; seq.var. = ?

DNA(specification)—
IFNAP22 gene;
sequence variation
name of component: interferon, alpha pseudogene 22
[NPU34378](#)
DNA(spec.)—IFNAP22 gene; seq.var. = ?

DNA(specification)—
IFNAR1 gene;
sequence variation
name of component: interferon (alpha, beta and omega) receptor 1
[NPU34379](#)
DNA(spec.)—IFNAR1 gene; seq.var. = ?

DNA(specification)—
IFNAR2 gene;
sequence variation
name of component: interferon (alpha, beta and omega) receptor 2
[NPU34380](#)
DNA(spec.)—IFNAR2 gene; seq.var. = ?

DNA(specification)—
IFNB1 gene;
sequence variation
name of component: interferon, beta 1, fibroblast
[NPU34381](#)
DNA(spec.)—IFNB1 gene; seq.var. = ?

DNA(specification)—
IFNB3 gene;
sequence variation
name of component: interferon, beta 3, fibroblast
[NPU34382](#)
DNA(spec.)—IFNB3 gene; seq.var. = ?

DNA(specification)—
IFNG gene;
sequence variation
name of component: interferon, gamma
[NPU34383](#)
DNA(spec.)—IFNG gene; seq.var. = ?

DNA(specification)—
IFNGR1 gene;
sequence variation
name of component: interferon gamma receptor 1
[NPU34384](#)
DNA(spec.)—IFNGR1 gene; seq.var. = ?

DNA(specification)—
IFNGR2 gene;
sequence variation
name of component: interferon gamma receptor 2
(interferon gamma transducer 1)
[NPU34385](#)
DNA(spec.)—IFNGR2 gene; seq.var. = ?

DNA(specification)—
IFNP11 gene;
sequence variation
name of component: interferon pseudogene 11
[NPU34386](#)
DNA(spec.)—IFNP11 gene; seq.var. = ?

DNA(specification)—
IFNP12 gene;
sequence variation
name of component: interferon pseudogene 12
[NPU34387](#)
DNA(spec.)—IFNP12 gene; seq.var. = ?

DNA(specification)—
IFNP20 gene;
sequence variation
name of component: interferon pseudogene 20
[NPU34388](#)
DNA(spec.)—IFNP20 gene; seq.var. = ?

DNA(specification)—
IFNP23 gene;
sequence variation
name of component: interferon pseudogene 23
[NPU34389](#)
DNA(spec.)—IFNP23 gene; seq.var. = ?

DNA(specification)—
IFNP24 gene;
sequence variation
name of component: interferon pseudogene 24
[NPU34390](#)
DNA(spec.)—IFNP24 gene; seq.var. = ?

DNA(specification)—
IFNR gene;
sequence variation
name of component: interferon production regula-
tor
[NPU34391](#)
DNA(spec.)—IFNR gene; seq.var. = ?

DNA(specification)—
IFNW1 gene;
sequence variation
name of component: interferon, omega 1
[NPU34392](#)
DNA(spec.)—IFNW1 gene; seq.var. = ?

DNA(specification)—
IFNWP15 gene;
sequence variation
name of component: interferon, omega 15 (pseu-
dogene)
[NPU34393](#)
DNA(spec.)—IFNWP15 gene; seq.var. = ?

DNA(specification)—
IFNWP18 gene;
sequence variation
name of component: interferon, omega 18 (pseu-
dogene)
[NPU34394](#)
DNA(spec.)—IFNWP18 gene; seq.var. = ?

DNA(specification)—
IFNWP19 gene;
sequence variation
name of component: interferon, omega 19 (pseu-
dogene)
[NPU34395](#)
DNA(spec.)—IFNWP19 gene; seq.var. = ?

DNA(specification)—
IFNWP2 gene;
sequence variation
name of component: interferon, omega 2 (pseu-
dogene)
[NPU34396](#)
DNA(spec.)—IFNWP2 gene; seq.var. = ?

DNA(specification)—
IFNWP4 gene;
sequence variation
name of component: interferon, omega 4 (pseu-
dogene)
[NPU34397](#)
DNA(spec.)—IFNWP4 gene; seq.var. = ?

DNA(specification)—
IFNWP5 gene;
sequence variation
name of component: interferon, omega 5 (pseu-
dogene)
[NPU34398](#)
DNA(spec.)—IFNWP5 gene; seq.var. = ?

DNA(specification)—**IFNWP9 gene;****sequence variation**

name of component: interferon, omega 9 (pseudogene)

[NPU34399](#)

DNA(spec.)—IFNWP9 gene; seq.var. = ?

DNA(specification)—**IFRD1 gene;****sequence variation**

name of component: interferon-related developmental regulator 1

[NPU34400](#)

DNA(spec.)—IFRD1 gene; seq.var. = ?

DNA(specification)—**IFRD2 gene;****sequence variation**

name of component: interferon-related developmental regulator 2

[NPU34401](#)

DNA(spec.)—IFRD2 gene; seq.var. = ?

DNA(specification)—**IGAD1 gene;****sequence variation**

name of component: immunoglobulin A (IgA) deficiency susceptibility 1

[NPU34402](#)

DNA(spec.)—IGAD1 gene; seq.var. = ?

DNA(specification)—**IGBP1 gene;****sequence variation**

name of component: immunoglobulin (CD79A) binding protein 1

[NPU34403](#)

DNA(spec.)—IGBP1 gene; seq.var. = ?

DNA(specification)—**IGER gene;****sequence variation**

name of component: IgE responsiveness (atopic)

[NPU34404](#)

DNA(spec.)—IGER gene; seq.var. = ?

DNA(specification)—**IGES gene;****sequence variation**

name of component: immunoglobulin E concentration, serum

[NPU34405](#)

DNA(spec.)—IGES gene; seq.var. = ?

DNA(specification)—**IGF1 gene;****sequence variation**

name of component: insulin-like growth factor 1 (somatomedin C)

[NPU34406](#)

DNA(spec.)—IGF1 gene; seq.var. = ?

DNA(specification)—**IGF1R gene;****sequence variation**

name of component: insulin-like growth factor 1 receptor

[NPU34407](#)

DNA(spec.)—IGF1R gene; seq.var. = ?

DNA(specification)—**IGF2 gene;****sequence variation**

name of component: insulin-like growth factor 2 (somatomedin A)

[NPU34408](#)

DNA(spec.)—IGF2 gene; seq.var. = ?

DNA(specification)—**IGF2AS gene;****sequence variation**

name of component: insulin-like growth factor 2, antisense

[NPU42485](#)

DNA(spec.)—IGF2AS gene; seq.var. = ?

DNA(specification)—**IGF2R gene;****sequence variation**

name of component: insulin-like growth factor 2 receptor

[NPU34409](#)

DNA(spec.)—IGF2R gene; seq.var. = ?

DNA(specification)—**IGFALS gene;****sequence variation**

name of component: insulin-like growth factor binding protein, acid labile subunit

[NPU34410](#)

DNA(spec.)—IGFALS gene; seq.var. = ?

DNA(specification)—**IGFBP1 gene;****sequence variation**

name of component: insulin-like growth factor binding protein 1

[NPU34411](#)

DNA(spec.)—IGFBP1 gene; seq.var. = ?

DNA(specification)—**IGFBP2 gene;****sequence variation**

name of component: insulin-like growth factor binding protein 2, 36 kDa

[NPU34412](#)

DNA(spec.)—IGFBP2 gene; seq.var. = ?

DNA(specification)—**IGFBP3 gene;****sequence variation**

name of component: insulin-like growth factor binding protein 3

[NPU34413](#)

DNA(spec.)—IGFBP3 gene; seq.var. = ?

DNA(specification)—**IGFBP4 gene;****sequence variation**

name of component: insulin-like growth factor binding protein 4

[NPU34414](#)

DNA(spec.)—IGFBP4 gene; seq.var. = ?

DNA(specification)—**IGFBP5 gene;****sequence variation**

name of component: insulin-like growth factor binding protein 5

[NPU34415](#)

DNA(spec.)—IGFBP5 gene; seq.var. = ?

DNA(specification)—**IGFBP6 gene;****sequence variation**

name of component: insulin-like growth factor binding protein 6

[NPU34416](#)

DNA(spec.)—IGFBP6 gene; seq.var. = ?

DNA(specification)—**IGFBP7 gene;****sequence variation**

name of component: insulin-like growth factor binding protein 7

[NPU34417](#)

DNA(spec.)—IGFBP7 gene; seq.var. = ?

DNA(specification)—**IGH@ gene;****sequence variation**

name of component: immunoglobulin heavy locus

[NPU34418](#)

DNA(spec.)—IGH@ gene; seq.var. = ?

DNA(specification)—**IGHA1 gene;****sequence variation**

name of component: immunoglobulin heavy constant alpha 1

[NPU34419](#)

DNA(spec.)—IGHA1 gene; seq.var. = ?

DNA(specification)—**IGHA2 gene;****sequence variation**

name of component: immunoglobulin heavy constant alpha 2 (A2m marker)

[NPU34420](#)

DNA(spec.)—IGHA2 gene; seq.var. = ?

DNA(specification)—**IGHD gene;****sequence variation**

name of component: immunoglobulin heavy constant delta

[NPU34421](#)

DNA(spec.)—IGHD gene; seq.var. = ?

DNA(specification)—**IGHD@ gene;****sequence variation**

name of component: immunoglobulin heavy diversity group

[NPU34422](#)

DNA(spec.)—IGHD@ gene; seq.var. = ?

DNA(specification)—**IGHD1-1 gene;****sequence variation**

name of component: immunoglobulin heavy diversity 1-1

[NPU34423](#)

DNA(spec.)—IGHD1-1 gene; seq.var. = ?

DNA(specification)—**IGHD1-14 gene;****sequence variation**

name of component: immunoglobulin heavy diversity 1-14

[NPU34424](#)

DNA(spec.)—IGHD1-14 gene; seq.var. = ?

DNA(specification)—**IGHD1-20 gene;****sequence variation**

name of component: immunoglobulin heavy diversity 1-20

[NPU34425](#)

DNA(spec.)—IGHD1-20 gene; seq.var. = ?

DNA(specification)—**IGHD1-26 gene;****sequence variation**

name of component: immunoglobulin heavy diversity 1-26

[NPU34426](#)

DNA(spec.)—IGHD1-26 gene; seq.var. = ?

DNA(specification)—**IGHD1-7 gene;****sequence variation**

name of component: immunoglobulin heavy diversity 1-7

[NPU34427](#)

DNA(spec.)—IGHD1-7 gene; seq.var. = ?

DNA(specification)—**IGHD1OR15-1A gene;****sequence variation**

name of component: immunoglobulin heavy diversity 1/OR15-1A

[NPU34428](#)

DNA(spec.)—IGHD1OR15-1A gene; seq.var. = ?

DNA(specification)—**IGHD1OR15-1B gene;****sequence variation**

name of component: immunoglobulin heavy diversity 1/OR15-1B

[NPU34429](#)

DNA(spec.)—IGHD1OR15-1B gene; seq.var. = ?

DNA(specification)—**IGHD2-15 gene;****sequence variation**

name of component: immunoglobulin heavy diversity 2-15

[NPU34430](#)

DNA(spec.)—IGHD2-15 gene; seq.var. = ?

DNA(specification)—**IGHD2-2 gene;****sequence variation**

name of component: immunoglobulin heavy diversity 2-2

[NPU34431](#)

DNA(spec.)—IGHD2-2 gene; seq.var. = ?

DNA(specification)—**IGHD2-21 gene;****sequence variation**

name of component: immunoglobulin heavy diversity 2-21

[NPU34432](#)

DNA(spec.)—IGHD2-21 gene; seq.var. = ?

DNA(specification)—**IGHD2-8 gene;****sequence variation**

name of component: immunoglobulin heavy diversity 2-8

[NPU34433](#)

DNA(spec.)—IGHD2-8 gene; seq.var. = ?

DNA(specification)—**IGHD2OR15-2A gene;****sequence variation**

name of component: immunoglobulin heavy diversity 2/OR15-2A

[NPU34434](#)

DNA(spec.)—IGHD2OR15-2A gene; seq.var. = ?

DNA(specification)—**IGHD2OR15-2B gene;****sequence variation**

name of component: immunoglobulin heavy diversity 2/OR15-2B

[NPU34435](#)

DNA(spec.)—IGHD2OR15-2B gene; seq.var. = ?

DNA(specification)—**IGHD3-10 gene;****sequence variation**

name of component: immunoglobulin heavy diversity 3-10

[NPU34436](#)

DNA(spec.)—IGHD3-10 gene; seq.var. = ?

DNA(specification)—**IGHD3-16 gene;****sequence variation**

name of component: immunoglobulin heavy diversity 3-16

[NPU34437](#)

DNA(spec.)—IGHD3-16 gene; seq.var. = ?

DNA(specification)—**IGHD3-22 gene;****sequence variation**

name of component: immunoglobulin heavy diversity 3-22

[NPU34438](#)

DNA(spec.)—IGHD3-22 gene; seq.var. = ?

DNA(specification)—**IGHD3-3 gene;****sequence variation**

name of component: immunoglobulin heavy diversity 3-3

[NPU34439](#)

DNA(spec.)—IGHD3-3 gene; seq.var. = ?

DNA(specification)—**IGHD3-9 gene;****sequence variation**

name of component: immunoglobulin heavy diversity 3-9

[NPU34440](#)

DNA(spec.)—IGHD3-9 gene; seq.var. = ?

DNA(specification)—**IGHD3OR15-3A gene;****sequence variation**

name of component: immunoglobulin heavy diversity 3/OR15-3A

[NPU34441](#)

DNA(spec.)—IGHD3OR15-3A gene; seq.var. = ?

DNA(specification)—**IGHD3OR15-3B gene;****sequence variation**

name of component: immunoglobulin heavy diversity 3/OR15-3B

[NPU34442](#)

DNA(spec.)—IGHD3OR15-3B gene; seq.var. = ?

DNA(specification)—**IGHD4-11 gene;****sequence variation**

name of component: immunoglobulin heavy diversity 4-11

[NPU34443](#)

DNA(spec.)—IGHD4-11 gene; seq.var. = ?

DNA(specification)—**IGHD4-17 gene;****sequence variation**

name of component: immunoglobulin heavy diversity 4-17

[NPU34444](#)

DNA(spec.)—IGHD4-17 gene; seq.var. = ?

DNA(specification)—**IGHD4-23 gene;****sequence variation**

name of component: immunoglobulin heavy diversity 4-23

[NPU34445](#)

DNA(spec.)—IGHD4-23 gene; seq.var. = ?

DNA(specification)—**IGHD4-4 gene;****sequence variation**

name of component: immunoglobulin heavy diversity 4-4

[NPU34446](#)

DNA(spec.)—IGHD4-4 gene; seq.var. = ?

DNA(specification)—**IGHD4OR15-4A gene;****sequence variation**

name of component: immunoglobulin heavy diversity 4/OR15-4A

[NPU34447](#)

DNA(spec.)—IGHD4OR15-4A gene; seq.var. = ?

DNA(specification)—**IGHD4OR15-4B gene;****sequence variation**

name of component: immunoglobulin heavy diversity 4/OR15-4B

[NPU34448](#)

DNA(spec.)—IGHD4OR15-4B gene; seq.var. = ?

DNA(specification)—**IGHD5-12 gene;****sequence variation**

name of component: immunoglobulin heavy diversity 5-12

[NPU34449](#)

DNA(spec.)—IGHD5-12 gene; seq.var. = ?

DNA(specification)—**IGHD5-18 gene;****sequence variation**

name of component: immunoglobulin heavy diversity 5-18

[NPU34450](#)

DNA(spec.)—IGHD5-18 gene; seq.var. = ?

DNA(specification)—**IGHD5-24 gene;****sequence variation**

name of component: immunoglobulin heavy diversity 5-24

[NPU34451](#)

DNA(spec.)—IGHD5-24 gene; seq.var. = ?

DNA(specification)—**IGHD5-5 gene;****sequence variation**

name of component: immunoglobulin heavy diversity 5-5

[NPU34452](#)

DNA(spec.)—IGHD5-5 gene; seq.var. = ?

DNA(specification)—**IGHD5OR15-5A gene;****sequence variation**

name of component: immunoglobulin heavy diversity 5/OR15-5A

[NPU34453](#)

DNA(spec.)—IGHD5OR15-5A gene; seq.var. = ?

**DNA(specification)—
IGHD5OR15-5B gene;****sequence variation**

name of component: immunoglobulin heavy diversity 5/OR15-5B

[NPU34454](#)

DNA(spec.)—IGHD5OR15-5B gene; seq.var. = ?

**DNA(specification)—
IGHD6-13 gene;****sequence variation**

name of component: immunoglobulin heavy diversity 6-13

[NPU34455](#)

DNA(spec.)—IGHD6-13 gene; seq.var. = ?

**DNA(specification)—
IGHD6-19 gene;****sequence variation**

name of component: immunoglobulin heavy diversity 6-19

[NPU34456](#)

DNA(spec.)—IGHD6-19 gene; seq.var. = ?

**DNA(specification)—
IGHD6-25 gene;****sequence variation**

name of component: immunoglobulin heavy diversity 6-25

[NPU34457](#)

DNA(spec.)—IGHD6-25 gene; seq.var. = ?

**DNA(specification)—
IGHD6-6 gene;****sequence variation**

name of component: immunoglobulin heavy diversity 6-6

[NPU34458](#)

DNA(spec.)—IGHD6-6 gene; seq.var. = ?

**DNA(specification)—
IGHD7-27 gene;****sequence variation**

name of component: immunoglobulin heavy diversity 7-27

[NPU34459](#)

DNA(spec.)—IGHD7-27 gene; seq.var. = ?

**DNA(specification)—
IGHDOR15@ gene;****sequence variation**

name of component: immunoglobulin heavy diversity orphans on chromosome 15

[NPU34460](#)

DNA(spec.)—IGHDOR15@ gene; seq.var. = ?

**DNA(specification)—
IGHE gene;****sequence variation**

name of component: immunoglobulin heavy constant epsilon

[NPU34461](#)

DNA(spec.)—IGHE gene; seq.var. = ?

**DNA(specification)—
IGHEP1 gene;****sequence variation**

name of component: immunoglobulin heavy constant epsilon P1

[NPU34462](#)

DNA(spec.)—IGHEP1 gene; seq.var. = ?

**DNA(specification)—
IGHEP2 gene;****sequence variation**

name of component: immunoglobulin heavy constant epsilon P2

[NPU34463](#)

DNA(spec.)—IGHEP2 gene; seq.var. = ?

**DNA(specification)—
IGHG1 gene;****sequence variation**

name of component: immunoglobulin heavy constant gamma 1 (G1m marker)

[NPU19120](#)

DNA(spec.)—IGHG1 gene; seq.var. = ?

**DNA(specification)—
IGHG2 gene;****sequence variation**

name of component: immunoglobulin heavy constant gamma 2 (G2m marker)

[NPU34464](#)

DNA(spec.)—IGHG2 gene; seq.var. = ?

**DNA(specification)—
IGHG3 gene;****sequence variation**

name of component: immunoglobulin heavy constant gamma 3 (G3m marker)

[NPU34465](#)

DNA(spec.)—IGHG3 gene; seq.var. = ?

**DNA(specification)—
IGHG4 gene;****sequence variation**

name of component: immunoglobulin heavy constant gamma 4 (G4m marker)

[NPU34466](#)

DNA(spec.)—IGHG4 gene; seq.var. = ?

DNA(specification)—**IGHGP gene;****sequence variation**

name of component: immunoglobulin heavy constant gamma P

[NPU34467](#)

DNA(spec.)—IGHGP gene; seq.var. = ?

DNA(specification)—**IGHJ@ gene;****sequence variation**

name of component: immunoglobulin heavy joining group

[NPU34468](#)

DNA(spec.)—IGHJ@ gene; seq.var. = ?

DNA(specification)—**IGHJ1 gene;****sequence variation**

name of component: immunoglobulin heavy joining 1

[NPU34469](#)

DNA(spec.)—IGHJ1 gene; seq.var. = ?

DNA(specification)—**IGHJ1P gene;****sequence variation**

name of component: immunoglobulin heavy joining 1P

[NPU34470](#)

DNA(spec.)—IGHJ1P gene; seq.var. = ?

DNA(specification)—**IGHJ2 gene;****sequence variation**

name of component: immunoglobulin heavy joining 2

[NPU34471](#)

DNA(spec.)—IGHJ2 gene; seq.var. = ?

DNA(specification)—**IGHJ2P gene;****sequence variation**

name of component: immunoglobulin heavy joining 2P

[NPU34472](#)

DNA(spec.)—IGHJ2P gene; seq.var. = ?

DNA(specification)—**IGHJ3 gene;****sequence variation**

name of component: immunoglobulin heavy joining 3

[NPU34473](#)

DNA(spec.)—IGHJ3 gene; seq.var. = ?

DNA(specification)—**IGHJ3P gene;****sequence variation**

name of component: immunoglobulin heavy joining 3P

[NPU34474](#)

DNA(spec.)—IGHJ3P gene; seq.var. = ?

DNA(specification)—**IGHJ4 gene;****sequence variation**

name of component: immunoglobulin heavy joining 4

[NPU34475](#)

DNA(spec.)—IGHJ4 gene; seq.var. = ?

DNA(specification)—**IGHJ5 gene;****sequence variation**

name of component: immunoglobulin heavy joining 5

[NPU34476](#)

DNA(spec.)—IGHJ5 gene; seq.var. = ?

DNA(specification)—**IGHJ6 gene;****sequence variation**

name of component: immunoglobulin heavy joining 6

[NPU34477](#)

DNA(spec.)—IGHJ6 gene; seq.var. = ?

DNA(specification)—**IGHM gene;****sequence variation**

name of component: immunoglobulin heavy constant mu

[NPU34478](#)

DNA(spec.)—IGHM gene; seq.var. = ?

DNA(specification)—**IGHMBP2 gene;****sequence variation**

name of component: immunoglobulin mu binding protein 2

[NPU34479](#)

DNA(spec.)—IGHMBP2 gene; seq.var. = ?

DNA(specification)—**IGHR gene;****sequence variation**

name of component: immunoglobulin heavy chain regulator

[NPU34480](#)

DNA(spec.)—IGHR gene; seq.var. = ?

DNA(specification)—**IGHV@ gene;****sequence variation**

name of component: immunoglobulin heavy variable group

[NPU34481](#)

DNA(spec.)—IGHV@ gene; seq.var. = ?

DNA(specification)—**IGHV1-12 gene;****sequence variation**

name of component: immunoglobulin heavy variable 1-12

[NPU34482](#)

DNA(spec.)—IGHV1-12 gene; seq.var. = ?

DNA(specification)—**IGHV1-14 gene;****sequence variation**

name of component: immunoglobulin heavy variable 1-14

[NPU34483](#)

DNA(spec.)—IGHV1-14 gene; seq.var. = ?

DNA(specification)—**IGHV1-17 gene;****sequence variation**

name of component: immunoglobulin heavy variable 1-17

[NPU34484](#)

DNA(spec.)—IGHV1-17 gene; seq.var. = ?

DNA(specification)—**IGHV1-18 gene;****sequence variation**

name of component: immunoglobulin heavy variable 1-18

[NPU34485](#)

DNA(spec.)—IGHV1-18 gene; seq.var. = ?

DNA(specification)—**IGHV1-2 gene;****sequence variation**

name of component: immunoglobulin heavy variable 1-2

[NPU34486](#)

DNA(spec.)—IGHV1-2 gene; seq.var. = ?

DNA(specification)—**IGHV1-24 gene;****sequence variation**

name of component: immunoglobulin heavy variable 1-24

[NPU34487](#)

DNA(spec.)—IGHV1-24 gene; seq.var. = ?

DNA(specification)—**IGHV1-3 gene;****sequence variation**

name of component: immunoglobulin heavy variable 1-3

[NPU34488](#)

DNA(spec.)—IGHV1-3 gene; seq.var. = ?

DNA(specification)—**IGHV1-45 gene;****sequence variation**

name of component: immunoglobulin heavy variable 1-45

[NPU34489](#)

DNA(spec.)—IGHV1-45 gene; seq.var. = ?

DNA(specification)—**IGHV1-46 gene;****sequence variation**

name of component: immunoglobulin heavy variable 1-46

[NPU34490](#)

DNA(spec.)—IGHV1-46 gene; seq.var. = ?

DNA(specification)—**IGHV1-58 gene;****sequence variation**

name of component: immunoglobulin heavy variable 1-58

[NPU34491](#)

DNA(spec.)—IGHV1-58 gene; seq.var. = ?

DNA(specification)—**IGHV1-67 gene;****sequence variation**

name of component: immunoglobulin heavy variable 1-67

[NPU34492](#)

DNA(spec.)—IGHV1-67 gene; seq.var. = ?

DNA(specification)—**IGHV1-68 gene;****sequence variation**

name of component: immunoglobulin heavy variable 1-68

[NPU34493](#)

DNA(spec.)—IGHV1-68 gene; seq.var. = ?

DNA(specification)—**IGHV1-69 gene;****sequence variation**

name of component: immunoglobulin heavy variable 1-69

[NPU34494](#)

DNA(spec.)—IGHV1-69 gene; seq.var. = ?

DNA(specification)—
IGHV1-8 gene;
sequence variation
name of component: immunoglobulin heavy variable 1-8
[NPU34495](#)
DNA(spec.)—IGHV1-8 gene; seq.var. = ?

DNA(specification)—
IGHV1-C gene;
sequence variation
name of component: immunoglobulin heavy variable 1-C (provisional)
[NPU34496](#)
DNA(spec.)—IGHV1-C gene; seq.var. = ?

DNA(specification)—
IGHV1-F gene;
sequence variation
name of component: immunoglobulin heavy variable 1-F (provisional)
[NPU34497](#)
DNA(spec.)—IGHV1-F gene; seq.var. = ?

DNA(specification)—
IGHV1OR15-1 gene;
sequence variation
name of component: immunoglobulin heavy variable 1/OR15-1
[NPU34498](#)
DNA(spec.)—IGHV1OR15-1 gene; seq.var. = ?

DNA(specification)—
IGHV1OR15-2 gene;
sequence variation
name of component: immunoglobulin heavy variable 1/OR15-2
[NPU34499](#)
DNA(spec.)—IGHV1OR15-2 gene; seq.var. = ?

DNA(specification)—
IGHV1OR15-3 gene;
sequence variation
name of component: immunoglobulin heavy variable 1/OR15-3
[NPU34500](#)
DNA(spec.)—IGHV1OR15-3 gene; seq.var. = ?

DNA(specification)—
IGHV1OR15-4 gene;
sequence variation
name of component: immunoglobulin heavy variable 1/OR15-4
[NPU34501](#)
DNA(spec.)—IGHV1OR15-4 gene; seq.var. = ?

DNA(specification)—
IGHV1OR15-5 gene;
sequence variation
name of component: immunoglobulin heavy variable 1/OR15-5
[NPU34502](#)
DNA(spec.)—IGHV1OR15-5 gene; seq.var. = ?

DNA(specification)—
IGHV1OR15-6 gene;
sequence variation
name of component: immunoglobulin heavy variable 1/OR15-6
[NPU34503](#)
DNA(spec.)—IGHV1OR15-6 gene; seq.var. = ?

DNA(specification)—
IGHV1OR15-9 gene;
sequence variation
name of component: immunoglobulin heavy variable 1/OR15-9
[NPU34504](#)
DNA(spec.)—IGHV1OR15-9 gene; seq.var. = ?

DNA(specification)—
IGHV1OR16-1 gene;
sequence variation
name of component: immunoglobulin heavy variable 1/OR16-1
[NPU34505](#)
DNA(spec.)—IGHV1OR16-1 gene; seq.var. = ?

DNA(specification)—
IGHV1OR16-2 gene;
sequence variation
name of component: immunoglobulin heavy variable 1/OR16-2
[NPU34506](#)
DNA(spec.)—IGHV1OR16-2 gene; seq.var. = ?

DNA(specification)—
IGHV1OR16-3 gene;
sequence variation
name of component: immunoglobulin heavy variable 1/OR16-3
[NPU34507](#)
DNA(spec.)—IGHV1OR16-3 gene; seq.var. = ?

DNA(specification)—
IGHV1OR16-4 gene;
sequence variation
name of component: immunoglobulin heavy variable 1/OR16-4
[NPU34508](#)
DNA(spec.)—IGHV1OR16-4 gene; seq.var. = ?

DNA(specification)—**IGHV2-10 gene;****sequence variation**

name of component: immunoglobulin heavy variable 2-10

[NPU34509](#)

DNA(spec.)—IGHV2-10 gene; seq.var. = ?

DNA(specification)—**IGHV2-26 gene;****sequence variation**

name of component: immunoglobulin heavy variable 2-26

[NPU34510](#)

DNA(spec.)—IGHV2-26 gene; seq.var. = ?

DNA(specification)—**IGHV2-5 gene;****sequence variation**

name of component: immunoglobulin heavy variable 2-5

[NPU34511](#)

DNA(spec.)—IGHV2-5 gene; seq.var. = ?

DNA(specification)—**IGHV2-70 gene;****sequence variation**

name of component: immunoglobulin heavy variable 2-70

[NPU34512](#)

DNA(spec.)—IGHV2-70 gene; seq.var. = ?

DNA(specification)—**IGHV2OR16-5 gene;****sequence variation**

name of component: immunoglobulin heavy variable 2/OR16-5

[NPU34513](#)

DNA(spec.)—IGHV2OR16-5 gene; seq.var. = ?

DNA(specification)—**IGHV3-11 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3-11

[NPU34514](#)

DNA(spec.)—IGHV3-11 gene; seq.var. = ?

DNA(specification)—**IGHV3-13 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3-13

[NPU34515](#)

DNA(spec.)—IGHV3-13 gene; seq.var. = ?

DNA(specification)—**IGHV3-15 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3-15

[NPU34516](#)

DNA(spec.)—IGHV3-15 gene; seq.var. = ?

DNA(specification)—**IGHV3-16 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3-16

[NPU34517](#)

DNA(spec.)—IGHV3-16 gene; seq.var. = ?

DNA(specification)—**IGHV3-19 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3-19

[NPU34518](#)

DNA(spec.)—IGHV3-19 gene; seq.var. = ?

DNA(specification)—**IGHV3-20 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3-20

[NPU34519](#)

DNA(spec.)—IGHV3-20 gene; seq.var. = ?

DNA(specification)—**IGHV3-21 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3-21

[NPU34520](#)

DNA(spec.)—IGHV3-21 gene; seq.var. = ?

DNA(specification)—**IGHV3-22 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3-22

[NPU34521](#)

DNA(spec.)—IGHV3-22 gene; seq.var. = ?

DNA(specification)—**IGHV3-23 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3-23

[NPU34522](#)

DNA(spec.)—IGHV3-23 gene; seq.var. = ?

DNA(specification)—
IGHV3-25 gene;
sequence variation
name of component: immunoglobulin heavy variable 3-25
[NPU34523](#)
DNA(spec.)—IGHV3-25 gene; seq.var. = ?

DNA(specification)—
IGHV3-29 gene;
sequence variation
name of component: immunoglobulin heavy variable 3-29
[NPU34524](#)
DNA(spec.)—IGHV3-29 gene; seq.var. = ?

DNA(specification)—
IGHV3-30 gene;
sequence variation
name of component: immunoglobulin heavy variable 3-30
[NPU34525](#)
DNA(spec.)—IGHV3-30 gene; seq.var. = ?

DNA(specification)—
IGHV3-30-2 gene;
sequence variation
name of component: immunoglobulin heavy variable 3-30-2
[NPU34526](#)
DNA(spec.)—IGHV3-30-2 gene; seq.var. = ?

DNA(specification)—
IGHV3-30-3 gene;
sequence variation
name of component: immunoglobulin heavy variable 3-30-3
[NPU34527](#)
DNA(spec.)—IGHV3-30-3 gene; seq.var. = ?

DNA(specification)—
IGHV3-30-5 gene;
sequence variation
name of component: immunoglobulin heavy variable 3-30-5
[NPU34528](#)
DNA(spec.)—IGHV3-30-5 gene; seq.var. = ?

DNA(specification)—
IGHV3-32 gene;
sequence variation
name of component: immunoglobulin heavy variable 3-32
[NPU34529](#)
DNA(spec.)—IGHV3-32 gene; seq.var. = ?

DNA(specification)—
IGHV3-33 gene;
sequence variation
name of component: immunoglobulin heavy variable 3-33
[NPU34530](#)
DNA(spec.)—IGHV3-33 gene; seq.var. = ?

DNA(specification)—
IGHV3-33-2 gene;
sequence variation
name of component: immunoglobulin heavy variable 3-33-2
[NPU34531](#)
DNA(spec.)—IGHV3-33-2 gene; seq.var. = ?

DNA(specification)—
IGHV3-35 gene;
sequence variation
name of component: immunoglobulin heavy variable 3-35
[NPU34532](#)
DNA(spec.)—IGHV3-35 gene; seq.var. = ?

DNA(specification)—
IGHV3-36 gene;
sequence variation
name of component: immunoglobulin heavy variable 3-36
[NPU34533](#)
DNA(spec.)—IGHV3-36 gene; seq.var. = ?

DNA(specification)—
IGHV3-37 gene;
sequence variation
name of component: immunoglobulin heavy variable 3-37
[NPU34534](#)
DNA(spec.)—IGHV3-37 gene; seq.var. = ?

DNA(specification)—
IGHV3-38 gene;
sequence variation
name of component: immunoglobulin heavy variable 3-38
[NPU34535](#)
DNA(spec.)—IGHV3-38 gene; seq.var. = ?

DNA(specification)—
IGHV3-41 gene;
sequence variation
name of component: immunoglobulin heavy variable 3-41
[NPU34536](#)
DNA(spec.)—IGHV3-41 gene; seq.var. = ?

DNA(specification)—**IGHV3-42 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3-42

[NPU34537](#)

DNA(spec.)—IGHV3-42 gene; seq.var. = ?

DNA(specification)—**IGHV3-43 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3-43

[NPU34538](#)

DNA(spec.)—IGHV3-43 gene; seq.var. = ?

DNA(specification)—**IGHV3-47 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3-47

[NPU34539](#)

DNA(spec.)—IGHV3-47 gene; seq.var. = ?

DNA(specification)—**IGHV3-48 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3-48

[NPU34540](#)

DNA(spec.)—IGHV3-48 gene; seq.var. = ?

DNA(specification)—**IGHV3-49 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3-49

[NPU34541](#)

DNA(spec.)—IGHV3-49 gene; seq.var. = ?

DNA(specification)—**IGHV3-50 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3-50

[NPU34542](#)

DNA(spec.)—IGHV3-50 gene; seq.var. = ?

DNA(specification)—**IGHV3-52 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3-52

[NPU34543](#)

DNA(spec.)—IGHV3-52 gene; seq.var. = ?

DNA(specification)—**IGHV3-53 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3-53

[NPU34544](#)

DNA(spec.)—IGHV3-53 gene; seq.var. = ?

DNA(specification)—**IGHV3-54 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3-54

[NPU34545](#)

DNA(spec.)—IGHV3-54 gene; seq.var. = ?

DNA(specification)—**IGHV3-57 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3-57

[NPU34546](#)

DNA(spec.)—IGHV3-57 gene; seq.var. = ?

DNA(specification)—**IGHV3-6 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3-6

[NPU34547](#)

DNA(spec.)—IGHV3-6 gene; seq.var. = ?

DNA(specification)—**IGHV3-60 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3-60

[NPU34548](#)

DNA(spec.)—IGHV3-60 gene; seq.var. = ?

DNA(specification)—**IGHV3-62 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3-62

[NPU34549](#)

DNA(spec.)—IGHV3-62 gene; seq.var. = ?

DNA(specification)—**IGHV3-63 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3-63

[NPU34550](#)

DNA(spec.)—IGHV3-63 gene; seq.var. = ?

DNA(specification)—**IGHV3-64 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3-64

[NPU34551](#)

DNA(spec.)—IGHV3-64 gene; seq.var. = ?

DNA(specification)—**IGHV3-65 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3-65

[NPU34552](#)

DNA(spec.)—IGHV3-65 gene; seq.var. = ?

DNA(specification)—**IGHV3-66 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3-66

[NPU34553](#)

DNA(spec.)—IGHV3-66 gene; seq.var. = ?

DNA(specification)—**IGHV3-7 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3-7

[NPU34554](#)

DNA(spec.)—IGHV3-7 gene; seq.var. = ?

DNA(specification)—**IGHV3-71 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3-71

[NPU34555](#)

DNA(spec.)—IGHV3-71 gene; seq.var. = ?

DNA(specification)—**IGHV3-72 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3-72

[NPU34556](#)

DNA(spec.)—IGHV3-72 gene; seq.var. = ?

DNA(specification)—**IGHV3-73 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3-73

[NPU34557](#)

DNA(spec.)—IGHV3-73 gene; seq.var. = ?

DNA(specification)—**IGHV3-74 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3-74

[NPU34558](#)

DNA(spec.)—IGHV3-74 gene; seq.var. = ?

DNA(specification)—**IGHV3-75 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3-75

[NPU34559](#)

DNA(spec.)—IGHV3-75 gene; seq.var. = ?

DNA(specification)—**IGHV3-76 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3-76

[NPU34560](#)

DNA(spec.)—IGHV3-76 gene; seq.var. = ?

DNA(specification)—**IGHV3-79 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3-79

[NPU34561](#)

DNA(spec.)—IGHV3-79 gene; seq.var. = ?

DNA(specification)—**IGHV3-9 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3-9

[NPU34562](#)

DNA(spec.)—IGHV3-9 gene; seq.var. = ?

DNA(specification)—**IGHV3-D gene;****sequence variation**

name of component: immunoglobulin heavy variable 3-D (provisional)

[NPU34563](#)

DNA(spec.)—IGHV3-D gene; seq.var. = ?

DNA(specification)—**IGHV3-G gene;****sequence variation**

name of component: immunoglobulin heavy variable 3-G (provisional)

[NPU34564](#)

DNA(spec.)—IGHV3-G gene; seq.var. = ?

DNA(specification)—**IGHV3-H gene;****sequence variation**

name of component: immunoglobulin heavy variable 3-H (provisional)

[NPU34565](#)

DNA(spec.)—IGHV3-H gene; seq.var. = ?

DNA(specification)—**IGHV3OR15-7 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3/OR15-7

[NPU34566](#)

DNA(spec.)—IGHV3OR15-7 gene; seq.var. = ?

DNA(specification)—**IGHV3OR16-10 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3/OR16-10

[NPU34567](#)

DNA(spec.)—IGHV3OR16-10 gene; seq.var. = ?

DNA(specification)—**IGHV3OR16-11 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3/OR16-11

[NPU34568](#)

DNA(spec.)—IGHV3OR16-11 gene; seq.var. = ?

DNA(specification)—**IGHV3OR16-12 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3/OR16-12

[NPU34569](#)

DNA(spec.)—IGHV3OR16-12 gene; seq.var. = ?

DNA(specification)—**IGHV3OR16-13 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3/OR16-13

[NPU34570](#)

DNA(spec.)—IGHV3OR16-13 gene; seq.var. = ?

DNA(specification)—**IGHV3OR16-14 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3/OR16-14

[NPU34571](#)

DNA(spec.)—IGHV3OR16-14 gene; seq.var. = ?

DNA(specification)—**IGHV3OR16-15 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3/OR16-15

[NPU34572](#)

DNA(spec.)—IGHV3OR16-15 gene; seq.var. = ?

DNA(specification)—**IGHV3OR16-16 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3/OR16-16

[NPU34573](#)

DNA(spec.)—IGHV3OR16-16 gene; seq.var. = ?

DNA(specification)—**IGHV3OR16-6 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3/OR16-6

[NPU34574](#)

DNA(spec.)—IGHV3OR16-6 gene; seq.var. = ?

DNA(specification)—**IGHV3OR16-7 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3/OR16-7

[NPU34575](#)

DNA(spec.)—IGHV3OR16-7 gene; seq.var. = ?

DNA(specification)—**IGHV3OR16-8 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3/OR16-8

[NPU34576](#)

DNA(spec.)—IGHV3OR16-8 gene; seq.var. = ?

DNA(specification)—**IGHV3OR16-9 gene;****sequence variation**

name of component: immunoglobulin heavy variable 3/OR16-9

[NPU34577](#)

DNA(spec.)—IGHV3OR16-9 gene; seq.var. = ?

DNA(specification)—**IGHV4-28 gene;****sequence variation**

name of component: immunoglobulin heavy variable 4-28

[NPU34578](#)

DNA(spec.)—IGHV4-28 gene; seq.var. = ?

DNA(specification)—
IGHV4-30-1 gene;
sequence variation
name of component: immunoglobulin heavy variable 4-30-1
[NPU34579](#)
DNA(spec.)—IGHV4-30-1 gene; seq.var. = ?

DNA(specification)—
IGHV4-30-2 gene;
sequence variation
name of component: immunoglobulin heavy variable 4-30-2
[NPU34580](#)
DNA(spec.)—IGHV4-30-2 gene; seq.var. = ?

DNA(specification)—
IGHV4-30-4 gene;
sequence variation
name of component: immunoglobulin heavy variable 4-30-4
[NPU34581](#)
DNA(spec.)—IGHV4-30-4 gene; seq.var. = ?

DNA(specification)—
IGHV4-31 gene;
sequence variation
name of component: immunoglobulin heavy variable 4-31
[NPU34582](#)
DNA(spec.)—IGHV4-31 gene; seq.var. = ?

DNA(specification)—
IGHV4-34 gene;
sequence variation
name of component: immunoglobulin heavy variable 4-34
[NPU34583](#)
DNA(spec.)—IGHV4-34 gene; seq.var. = ?

DNA(specification)—
IGHV4-39 gene;
sequence variation
name of component: immunoglobulin heavy variable 4-39
[NPU34584](#)
DNA(spec.)—IGHV4-39 gene; seq.var. = ?

DNA(specification)—
IGHV4-4 gene;
sequence variation
name of component: immunoglobulin heavy variable 4-4
[NPU34585](#)
DNA(spec.)—IGHV4-4 gene; seq.var. = ?

DNA(specification)—
IGHV4-55 gene;
sequence variation
name of component: immunoglobulin heavy variable 4-55
[NPU34586](#)
DNA(spec.)—IGHV4-55 gene; seq.var. = ?

DNA(specification)—
IGHV4-59 gene;
sequence variation
name of component: immunoglobulin heavy variable 4-59
[NPU34587](#)
DNA(spec.)—IGHV4-59 gene; seq.var. = ?

DNA(specification)—
IGHV4-61 gene;
sequence variation
name of component: immunoglobulin heavy variable 4-61
[NPU34588](#)
DNA(spec.)—IGHV4-61 gene; seq.var. = ?

DNA(specification)—
IGHV4-80 gene;
sequence variation
name of component: immunoglobulin heavy variable 4-80
[NPU34589](#)
DNA(spec.)—IGHV4-80 gene; seq.var. = ?

DNA(specification)—
IGHV4-B gene;
sequence variation
name of component: immunoglobulin heavy variable 4-B (provisional)
[NPU34590](#)
DNA(spec.)—IGHV4-B gene; seq.var. = ?

DNA(specification)—
IGHV4OR15-8 gene;
sequence variation
name of component: immunoglobulin heavy variable 4/OR15-8
[NPU34591](#)
DNA(spec.)—IGHV4OR15-8 gene; seq.var. = ?

DNA(specification)—
IGHV5-51 gene;
sequence variation
name of component: immunoglobulin heavy variable 5-51
[NPU34592](#)
DNA(spec.)—IGHV5-51 gene; seq.var. = ?

DNA(specification)—**IGHV5-78 gene;****sequence variation**

name of component: immunoglobulin heavy variable 5-78

[NPU34593](#)

DNA(spec.)—IGHV5-78 gene; seq.var. = ?

DNA(specification)—**IGHV5-A gene;****sequence variation**

name of component: immunoglobulin heavy variable 5-A (provisional)

[NPU34594](#)

DNA(spec.)—IGHV5-A gene; seq.var. = ?

DNA(specification)—**IGHV6-1 gene;****sequence variation**

name of component: immunoglobulin heavy variable 6-1

[NPU34595](#)

DNA(spec.)—IGHV6-1 gene; seq.var. = ?

DNA(specification)—**IGHV7-27 gene;****sequence variation**

name of component: immunoglobulin heavy variable 7-27

[NPU34596](#)

DNA(spec.)—IGHV7-27 gene; seq.var. = ?

DNA(specification)—**IGHV7-34-1 gene;****sequence variation**

name of component: immunoglobulin heavy variable 7-34-1

[NPU34597](#)

DNA(spec.)—IGHV7-34-1 gene; seq.var. = ?

DNA(specification)—**IGHV7-40 gene;****sequence variation**

name of component: immunoglobulin heavy variable 7-40

[NPU34599](#)

DNA(spec.)—IGHV7-40 gene; seq.var. = ?

DNA(specification)—**IGHV7-4-1 gene;****sequence variation**

name of component: immunoglobulin heavy variable 7-4-1

[NPU34598](#)

DNA(spec.)—IGHV7-4-1 gene; seq.var. = ?

DNA(specification)—**IGHV7-56 gene;****sequence variation**

name of component: immunoglobulin heavy variable 7-56

[NPU34600](#)

DNA(spec.)—IGHV7-56 gene; seq.var. = ?

DNA(specification)—**IGHV7-77 gene;****sequence variation**

name of component: immunoglobulin heavy variable 7-77 (provisional)

[NPU34601](#)

DNA(spec.)—IGHV7-77 gene; seq.var. = ?

DNA(specification)—**IGHV7-81 gene;****sequence variation**

name of component: immunoglobulin heavy variable 7-81

[NPU34602](#)

DNA(spec.)—IGHV7-81 gene; seq.var. = ?

DNA(specification)—**IGHVII-1-1 gene;****sequence variation**

name of component: immunoglobulin heavy variable (II)-1-1

[NPU34603](#)

DNA(spec.)—IGHVII-1-1 gene; seq.var. = ?

DNA(specification)—**IGHVII-15-1 gene;****sequence variation**

name of component: immunoglobulin heavy variable (II)-15-1

[NPU34604](#)

DNA(spec.)—IGHVII-15-1 gene; seq.var. = ?

DNA(specification)—**IGHVII-20-1 gene;****sequence variation**

name of component: immunoglobulin heavy variable (II)-20-1

[NPU34605](#)

DNA(spec.)—IGHVII-20-1 gene; seq.var. = ?

DNA(specification)—**IGHVII-22-1 gene;****sequence variation**

name of component: immunoglobulin heavy variable (II)-22-1

[NPU34606](#)

DNA(spec.)—IGHVII-22-1 gene; seq.var. = ?

DNA(specification)—
IGHVII-26-2 gene;
sequence variation
name of component: immunoglobulin heavy variable (II)-26-2
[NPU34607](#)
DNA(spec.)—IGHVII-26-2 gene; seq.var. = ?

DNA(specification)—
IGHVII-28-1 gene;
sequence variation
name of component: immunoglobulin heavy variable (II)-28-1
[NPU34608](#)
DNA(spec.)—IGHVII-28-1 gene; seq.var. = ?

DNA(specification)—
IGHVII-30-1 gene;
sequence variation
name of component: immunoglobulin heavy variable (II)-30-1
[NPU34609](#)
DNA(spec.)—IGHVII-30-1 gene; seq.var. = ?

DNA(specification)—
IGHVII-31-1 gene;
sequence variation
name of component: immunoglobulin heavy variable (II)-31-1
[NPU34610](#)
DNA(spec.)—IGHVII-31-1 gene; seq.var. = ?

DNA(specification)—
IGHVII-33-1 gene;
sequence variation
name of component: immunoglobulin heavy variable (II)-33-1
[NPU34611](#)
DNA(spec.)—IGHVII-33-1 gene; seq.var. = ?

DNA(specification)—
IGHVII-40-1 gene;
sequence variation
name of component: immunoglobulin heavy variable (II)-40-1
[NPU34612](#)
DNA(spec.)—IGHVII-40-1 gene; seq.var. = ?

DNA(specification)—
IGHVII-43-1 gene;
sequence variation
name of component: immunoglobulin heavy variable (II)-43-1
[NPU34613](#)
DNA(spec.)—IGHVII-43-1 gene; seq.var. = ?

DNA(specification)—
IGHVII-44-2 gene;
sequence variation
name of component: immunoglobulin heavy variable (II)-44-2
[NPU34614](#)
DNA(spec.)—IGHVII-44-2 gene; seq.var. = ?

DNA(specification)—
IGHVII-46-1 gene;
sequence variation
name of component: immunoglobulin heavy variable (II)-46-1
[NPU34615](#)
DNA(spec.)—IGHVII-46-1 gene; seq.var. = ?

DNA(specification)—
IGHVII-49-1 gene;
sequence variation
name of component: immunoglobulin heavy variable (II)-49-1
[NPU34616](#)
DNA(spec.)—IGHVII-49-1 gene; seq.var. = ?

DNA(specification)—
IGHVII-51-2 gene;
sequence variation
name of component: immunoglobulin heavy variable (II)-51-2
[NPU34617](#)
DNA(spec.)—IGHVII-51-2 gene; seq.var. = ?

DNA(specification)—
IGHVII-53-1 gene;
sequence variation
name of component: immunoglobulin heavy variable (II)-53-1
[NPU34618](#)
DNA(spec.)—IGHVII-53-1 gene; seq.var. = ?

DNA(specification)—
IGHVII-60-1 gene;
sequence variation
name of component: immunoglobulin heavy variable (II)-60-1
[NPU34619](#)
DNA(spec.)—IGHVII-60-1 gene; seq.var. = ?

DNA(specification)—
IGHVII-62-1 gene;
sequence variation
name of component: immunoglobulin heavy variable (II)-62-1
[NPU34620](#)
DNA(spec.)—IGHVII-62-1 gene; seq.var. = ?

DNA(specification)—**IGHVII-65-1 gene;****sequence variation**

name of component: immunoglobulin heavy variable (II)-65-1

[NPU34621](#)

DNA(spec.)—IGHVII-65-1 gene; seq.var. = ?

DNA(specification)—**IGHVII-67-1 gene;****sequence variation**

name of component: immunoglobulin heavy variable (II)-67-1

[NPU34622](#)

DNA(spec.)—IGHVII-67-1 gene; seq.var. = ?

DNA(specification)—**IGHVII-74-1 gene;****sequence variation**

name of component: immunoglobulin heavy variable (II)-74-1

[NPU34623](#)

DNA(spec.)—IGHVII-74-1 gene; seq.var. = ?

DNA(specification)—**IGHVII-78-1 gene;****sequence variation**

name of component: immunoglobulin heavy variable (II)-78-1

[NPU34624](#)

DNA(spec.)—IGHVII-78-1 gene; seq.var. = ?

DNA(specification)—**IGHVIII-11-1 gene;****sequence variation**

name of component: immunoglobulin heavy variable (III)-11-1

[NPU34625](#)

DNA(spec.)—IGHVIII-11-1 gene; seq.var. = ?

DNA(specification)—**IGHVIII-13-1 gene;****sequence variation**

name of component: immunoglobulin heavy variable (III)-13-1

[NPU34626](#)

DNA(spec.)—IGHVIII-13-1 gene; seq.var. = ?

DNA(specification)—**IGHVIII-16-1 gene;****sequence variation**

name of component: immunoglobulin heavy variable (III)-16-1

[NPU34627](#)

DNA(spec.)—IGHVIII-16-1 gene; seq.var. = ?

DNA(specification)—**IGHVIII-2-1 gene;****sequence variation**

name of component: immunoglobulin heavy variable (III)-2-1

[NPU34628](#)

DNA(spec.)—IGHVIII-2-1 gene; seq.var. = ?

DNA(specification)—**IGHVIII-22-2 gene;****sequence variation**

name of component: immunoglobulin heavy variable (III)-22-2

[NPU34629](#)

DNA(spec.)—IGHVIII-22-2 gene; seq.var. = ?

DNA(specification)—**IGHVIII-25-1 gene;****sequence variation**

name of component: immunoglobulin heavy variable (III)-25-1

[NPU34630](#)

DNA(spec.)—IGHVIII-25-1 gene; seq.var. = ?

DNA(specification)—**IGHVIII-26-1 gene;****sequence variation**

name of component: immunoglobulin heavy variable (III)-26-1

[NPU34631](#)

DNA(spec.)—IGHVIII-26-1 gene; seq.var. = ?

DNA(specification)—**IGHVIII-38-1 gene;****sequence variation**

name of component: immunoglobulin heavy variable (III)-38-1

[NPU34632](#)

DNA(spec.)—IGHVIII-38-1 gene; seq.var. = ?

DNA(specification)—**IGHVIII-44 gene;****sequence variation**

name of component: immunoglobulin heavy variable (III)-44

[NPU34633](#)

DNA(spec.)—IGHVIII-44 gene; seq.var. = ?

DNA(specification)—**IGHVIII-47-1 gene;****sequence variation**

name of component: immunoglobulin heavy variable (III)-47-1

[NPU34634](#)

DNA(spec.)—IGHVIII-47-1 gene; seq.var. = ?

DNA(specification)—**IGHVIII-5-1 gene;****sequence variation**

name of component: immunoglobulin heavy variable (III)-5-1

[NPU34635](#)

DNA(spec.)—IGHVIII-5-1 gene; seq.var. = ?

DNA(specification)—**IGHVIII-51-1 gene;****sequence variation**

name of component: immunoglobulin heavy variable (III)-51-1

[NPU34637](#)

DNA(spec.)—IGHVIII-51-1 gene; seq.var. = ?

DNA(specification)—**IGHVIII-5-2 gene;****sequence variation**

name of component: immunoglobulin heavy variable (III)-5-2

[NPU34636](#)

DNA(spec.)—IGHVIII-5-2 gene; seq.var. = ?

DNA(specification)—**IGHVIII-67-2 gene;****sequence variation**

name of component: immunoglobulin heavy variable (III)-67-2

[NPU34638](#)

DNA(spec.)—IGHVIII-67-2 gene; seq.var. = ?

DNA(specification)—**IGHVIII-67-3 gene;****sequence variation**

name of component: immunoglobulin heavy variable (III)-67-3

[NPU34639](#)

DNA(spec.)—IGHVIII-67-3 gene; seq.var. = ?

DNA(specification)—**IGHVIII-67-4 gene;****sequence variation**

name of component: immunoglobulin heavy variable (III)-67-4

[NPU34640](#)

DNA(spec.)—IGHVIII-67-4 gene; seq.var. = ?

DNA(specification)—**IGHVIII-76-1 gene;****sequence variation**

name of component: immunoglobulin heavy variable (III)-76-1

[NPU34641](#)

DNA(spec.)—IGHVIII-76-1 gene; seq.var. = ?

DNA(specification)—**IGHVIII-82 gene;****sequence variation**

name of component: immunoglobulin heavy variable (III)-82

[NPU34642](#)

DNA(spec.)—IGHVIII-82 gene; seq.var. = ?

DNA(specification)—**IGHVIV-44-1 gene;****sequence variation**

name of component: immunoglobulin heavy variable (IV)-44-1

[NPU34643](#)

DNA(spec.)—IGHVIV-44-1 gene; seq.var. = ?

DNA(specification)—**IGHVOR15@ gene;****sequence variation**

name of component: immunoglobulin heavy variable orphans on chromosome 15

[NPU34644](#)

DNA(spec.)—IGHVOR15@ gene; seq.var. = ?

DNA(specification)—**IGHVOR16@ gene;****sequence variation**

name of component: immunoglobulin heavy variable orphans on chromosome 16

[NPU34645](#)

DNA(spec.)—IGHVOR16@ gene; seq.var. = ?

DNA(specification)—**IGJ gene;****sequence variation**

name of component: immunoglobulin J polypeptide, linker protein for immunoglobulin alpha and mu polypeptides

[NPU34646](#)

DNA(spec.)—IGJ gene; seq.var. = ?

DNA(specification)—**IGJP1 gene;****sequence variation**

name of component: immunoglobulin J polypeptide pseudogene 1

[NPU34647](#)

DNA(spec.)—IGJP1 gene; seq.var. = ?

DNA(specification)—**IGK@ gene;****sequence variation**

name of component: immunoglobulin kappa locus

[NPU34648](#)

DNA(spec.)—IGK@ gene; seq.var. = ?

DNA(specification)—**IGKC gene;****sequence variation**

name of component: immunoglobulin kappa constant

[NPU19121](#)

DNA(spec.)—IGKC gene; seq.var. = ?

DNA(specification)—**IGKDEL gene;****sequence variation**

name of component: immunoglobulin kappa deleting element or like

[NPU34649](#)

DNA(spec.)—IGKDEL gene; seq.var. = ?

DNA(specification)—**IGKJ@ gene;****sequence variation**

name of component: immunoglobulin kappa joining group

[NPU34650](#)

DNA(spec.)—IGKJ@ gene; seq.var. = ?

DNA(specification)—**IGKJ1 gene;****sequence variation**

name of component: immunoglobulin kappa joining 1

[NPU34651](#)

DNA(spec.)—IGKJ1 gene; seq.var. = ?

DNA(specification)—**IGKJ2 gene;****sequence variation**

name of component: immunoglobulin kappa joining 2

[NPU34652](#)

DNA(spec.)—IGKJ2 gene; seq.var. = ?

DNA(specification)—**IGKJ3 gene;****sequence variation**

name of component: immunoglobulin kappa joining 3

[NPU34653](#)

DNA(spec.)—IGKJ3 gene; seq.var. = ?

DNA(specification)—**IGKJ4 gene;****sequence variation**

name of component: immunoglobulin kappa joining 4

[NPU34654](#)

DNA(spec.)—IGKJ4 gene; seq.var. = ?

DNA(specification)—**IGKJ5 gene;****sequence variation**

name of component: immunoglobulin kappa joining 5

[NPU34655](#)

DNA(spec.)—IGKJ5 gene; seq.var. = ?

DNA(specification)—**IGKV@ gene;****sequence variation**

name of component: immunoglobulin kappa variable group

[NPU34659](#)

DNA(spec.)—IGKV@ gene; seq.var. = ?

DNA(specification)—**IGKV1-12 gene;****sequence variation**

name of component: immunoglobulin kappa variable 1-12

[NPU34660](#)

DNA(spec.)—IGKV1-12 gene; seq.var. = ?

DNA(specification)—**IGKV1-13 gene;****sequence variation**

name of component: immunoglobulin kappa variable 1-13

[NPU34661](#)

DNA(spec.)—IGKV1-13 gene; seq.var. = ?

DNA(specification)—**IGKV1-16 gene;****sequence variation**

name of component: immunoglobulin kappa variable 1-16

[NPU34662](#)

DNA(spec.)—IGKV1-16 gene; seq.var. = ?

DNA(specification)—**IGKV1-17 gene;****sequence variation**

name of component: immunoglobulin kappa variable 1-17

[NPU34663](#)

DNA(spec.)—IGKV1-17 gene; seq.var. = ?

DNA(specification)—**IGKV1-22 gene;****sequence variation**

name of component: immunoglobulin kappa variable 1-22

[NPU34664](#)

DNA(spec.)—IGKV1-22 gene; seq.var. = ?

DNA(specification)—
IGKV1-27 gene;
sequence variation
name of component: immunoglobulin kappa variable 1-27
[NPU34665](#)
DNA(spec.)—IGKV1-27 gene; seq.var. = ?

DNA(specification)—
IGKV1-32 gene;
sequence variation
name of component: immunoglobulin kappa variable 1-32
[NPU34666](#)
DNA(spec.)—IGKV1-32 gene; seq.var. = ?

DNA(specification)—
IGKV1-33 gene;
sequence variation
name of component: immunoglobulin kappa variable 1-33
[NPU34667](#)
DNA(spec.)—IGKV1-33 gene; seq.var. = ?

DNA(specification)—
IGKV1-35 gene;
sequence variation
name of component: immunoglobulin kappa variable 1-35
[NPU34668](#)
DNA(spec.)—IGKV1-35 gene; seq.var. = ?

DNA(specification)—
IGKV1-37 gene;
sequence variation
name of component: immunoglobulin kappa variable 1-37
[NPU34669](#)
DNA(spec.)—IGKV1-37 gene; seq.var. = ?

DNA(specification)—
IGKV1-39 gene;
sequence variation
name of component: immunoglobulin kappa variable 1-39
[NPU34670](#)
DNA(spec.)—IGKV1-39 gene; seq.var. = ?

DNA(specification)—
IGKV1-5 gene;
sequence variation
name of component: immunoglobulin kappa variable 1-5
[NPU34671](#)
DNA(spec.)—IGKV1-5 gene; seq.var. = ?

DNA(specification)—
IGKV1-6 gene;
sequence variation
name of component: immunoglobulin kappa variable 1-6
[NPU34672](#)
DNA(spec.)—IGKV1-6 gene; seq.var. = ?

DNA(specification)—
IGKV1-8 gene;
sequence variation
name of component: immunoglobulin kappa variable 1-8
[NPU34673](#)
DNA(spec.)—IGKV1-8 gene; seq.var. = ?

DNA(specification)—
IGKV1-9 gene;
sequence variation
name of component: immunoglobulin kappa variable 1-9
[NPU34674](#)
DNA(spec.)—IGKV1-9 gene; seq.var. = ?

DNA(specification)—
IGKV1D-12 gene;
sequence variation
name of component: immunoglobulin kappa variable 1D-12
[NPU34675](#)
DNA(spec.)—IGKV1D-12 gene; seq.var. = ?

DNA(specification)—
IGKV1D-13 gene;
sequence variation
name of component: immunoglobulin kappa variable 1D-13
[NPU34676](#)
DNA(spec.)—IGKV1D-13 gene; seq.var. = ?

DNA(specification)—
IGKV1D-16 gene;
sequence variation
name of component: immunoglobulin kappa variable 1D-16
[NPU34677](#)
DNA(spec.)—IGKV1D-16 gene; seq.var. = ?

DNA(specification)—
IGKV1D-17 gene;
sequence variation
name of component: immunoglobulin kappa variable 1D-17
[NPU34678](#)
DNA(spec.)—IGKV1D-17 gene; seq.var. = ?

DNA(specification)—**IGKV1D-22 gene;****sequence variation**

name of component: immunoglobulin kappa variable 1D-22

[NPU34679](#)

DNA(spec.)—IGKV1D-22 gene; seq.var. = ?

DNA(specification)—**IGKV1D-27 gene;****sequence variation**

name of component: immunoglobulin kappa variable 1D-27

[NPU34680](#)

DNA(spec.)—IGKV1D-27 gene; seq.var. = ?

DNA(specification)—**IGKV1D-32 gene;****sequence variation**

name of component: immunoglobulin kappa variable 1D-32

[NPU34681](#)

DNA(spec.)—IGKV1D-32 gene; seq.var. = ?

DNA(specification)—**IGKV1D-33 gene;****sequence variation**

name of component: immunoglobulin kappa variable 1D-33

[NPU34682](#)

DNA(spec.)—IGKV1D-33 gene; seq.var. = ?

DNA(specification)—**IGKV1D-35 gene;****sequence variation**

name of component: immunoglobulin kappa variable 1D-35

[NPU34683](#)

DNA(spec.)—IGKV1D-35 gene; seq.var. = ?

DNA(specification)—**IGKV1D-37 gene;****sequence variation**

name of component: immunoglobulin kappa variable 1D-37

[NPU34684](#)

DNA(spec.)—IGKV1D-37 gene; seq.var. = ?

DNA(specification)—**IGKV1D-39 gene;****sequence variation**

name of component: immunoglobulin kappa variable 1D-39

[NPU34685](#)

DNA(spec.)—IGKV1D-39 gene; seq.var. = ?

DNA(specification)—**IGKV1D-42 gene;****sequence variation**

name of component: immunoglobulin kappa variable 1D-42

[NPU34686](#)

DNA(spec.)—IGKV1D-42 gene; seq.var. = ?

DNA(specification)—**IGKV1D-43 gene;****sequence variation**

name of component: immunoglobulin kappa variable 1D-43

[NPU34687](#)

DNA(spec.)—IGKV1D-43 gene; seq.var. = ?

DNA(specification)—**IGKV1D-8 gene;****sequence variation**

name of component: immunoglobulin kappa variable 1D-8

[NPU34688](#)

DNA(spec.)—IGKV1D-8 gene; seq.var. = ?

DNA(specification)—**IGKV1OR-1 gene;****sequence variation**

name of component: immunoglobulin kappa variable 1/OR-1

[NPU34689](#)

DNA(spec.)—IGKV1OR-1 gene; seq.var. = ?

DNA(specification)—**IGKV1OR1-1 gene;****sequence variation**

name of component: immunoglobulin kappa variable 1/OR1-1

[NPU34693](#)

DNA(spec.)—IGKV1OR1-1 gene; seq.var. = ?

DNA(specification)—**IGKV1OR15-118 gene;****sequence variation**

name of component: immunoglobulin kappa variable 1/OR15-118

[NPU34694](#)

DNA(spec.)—IGKV1OR15-118 gene; seq.var. = ?

DNA(specification)—**IGKV1OR-2 gene;****sequence variation**

name of component: immunoglobulin kappa variable 1/OR-2

[NPU34690](#)

DNA(spec.)—IGKV1OR-2 gene; seq.var. = ?

DNA(specification)—
IGKV1OR2-0 gene;
sequence variation
name of component: immunoglobulin kappa variable 1/OR2-0
[NPU34695](#)
DNA(spec.)—IGKV1OR2-0 gene; seq.var. = ?

DNA(specification)—
IGKV1OR2-108 gene;
sequence variation
name of component: immunoglobulin kappa variable 1/OR2-108
[NPU34696](#)
DNA(spec.)—IGKV1OR2-108 gene; seq.var. = ?

DNA(specification)—
IGKV1OR2-11 gene;
sequence variation
name of component: immunoglobulin kappa variable 1/OR2-11
[NPU34697](#)
DNA(spec.)—IGKV1OR2-11 gene; seq.var. = ?

DNA(specification)—
IGKV1OR22-1 gene;
sequence variation
name of component: immunoglobulin kappa variable 1/OR22-1
[NPU34701](#)
DNA(spec.)—IGKV1OR22-1 gene; seq.var. = ?

DNA(specification)—
IGKV1OR22-5 gene;
sequence variation
name of component: immunoglobulin kappa variable 1/OR22-5
[NPU34702](#)
DNA(spec.)—IGKV1OR22-5 gene; seq.var. = ?

DNA(specification)—
IGKV1OR2-3 gene;
sequence variation
name of component: immunoglobulin kappa variable 1/OR2-3
[NPU34698](#)
DNA(spec.)—IGKV1OR2-3 gene; seq.var. = ?

DNA(specification)—
IGKV1OR2-6 gene;
sequence variation
name of component: immunoglobulin kappa variable 1/OR2-6
[NPU34699](#)
DNA(spec.)—IGKV1OR2-6 gene; seq.var. = ?

DNA(specification)—
IGKV1OR2-9 gene;
sequence variation
name of component: immunoglobulin kappa variable 1/OR2-9
[NPU34700](#)
DNA(spec.)—IGKV1OR2-9 gene; seq.var. = ?

DNA(specification)—
IGKV1OR-3 gene;
sequence variation
name of component: immunoglobulin kappa variable 1/OR-3
[NPU34691](#)
DNA(spec.)—IGKV1OR-3 gene; seq.var. = ?

DNA(specification)—
IGKV1OR-4 gene;
sequence variation
name of component: immunoglobulin kappa variable 1/OR-4
[NPU34692](#)
DNA(spec.)—IGKV1OR-4 gene; seq.var. = ?

DNA(specification)—
IGKV2-10 gene;
sequence variation
name of component: immunoglobulin kappa variable 2-10
[NPU34703](#)
DNA(spec.)—IGKV2-10 gene; seq.var. = ?

DNA(specification)—
IGKV2-14 gene;
sequence variation
name of component: immunoglobulin kappa variable 2-14
[NPU34704](#)
DNA(spec.)—IGKV2-14 gene; seq.var. = ?

DNA(specification)—
IGKV2-18 gene;
sequence variation
name of component: immunoglobulin kappa variable 2-18
[NPU34705](#)
DNA(spec.)—IGKV2-18 gene; seq.var. = ?

DNA(specification)—
IGKV2-19 gene;
sequence variation
name of component: immunoglobulin kappa variable 2-19
[NPU34706](#)
DNA(spec.)—IGKV2-19 gene; seq.var. = ?

DNA(specification)—**IGKV2-23 gene;****sequence variation**

name of component: immunoglobulin kappa variable 2-23

[NPU34707](#)

DNA(spec.)—IGKV2-23 gene; seq.var. = ?

DNA(specification)—**IGKV2-24 gene;****sequence variation**

name of component: immunoglobulin kappa variable 2-24

[NPU34708](#)

DNA(spec.)—IGKV2-24 gene; seq.var. = ?

DNA(specification)—**IGKV2-26 gene;****sequence variation**

name of component: immunoglobulin kappa variable 2-26

[NPU34709](#)

DNA(spec.)—IGKV2-26 gene; seq.var. = ?

DNA(specification)—**IGKV2-28 gene;****sequence variation**

name of component: immunoglobulin kappa variable 2-28

[NPU34710](#)

DNA(spec.)—IGKV2-28 gene; seq.var. = ?

DNA(specification)—**IGKV2-29 gene;****sequence variation**

name of component: immunoglobulin kappa variable 2-29

[NPU34711](#)

DNA(spec.)—IGKV2-29 gene; seq.var. = ?

DNA(specification)—**IGKV2-30 gene;****sequence variation**

name of component: immunoglobulin kappa variable 2-30

[NPU34712](#)

DNA(spec.)—IGKV2-30 gene; seq.var. = ?

DNA(specification)—**IGKV2-36 gene;****sequence variation**

name of component: immunoglobulin kappa variable 2-36

[NPU34713](#)

DNA(spec.)—IGKV2-36 gene; seq.var. = ?

DNA(specification)—**IGKV2-38 gene;****sequence variation**

name of component: immunoglobulin kappa variable 2-38

[NPU34714](#)

DNA(spec.)—IGKV2-38 gene; seq.var. = ?

DNA(specification)—**IGKV2-4 gene;****sequence variation**

name of component: immunoglobulin kappa variable 2-4

[NPU34715](#)

DNA(spec.)—IGKV2-4 gene; seq.var. = ?

DNA(specification)—**IGKV2-40 gene;****sequence variation**

name of component: immunoglobulin kappa variable 2-40

[NPU34716](#)

DNA(spec.)—IGKV2-40 gene; seq.var. = ?

DNA(specification)—**IGKV2D-10 gene;****sequence variation**

name of component: immunoglobulin kappa variable 2D-10

[NPU34717](#)

DNA(spec.)—IGKV2D-10 gene; seq.var. = ?

DNA(specification)—**IGKV2D-14 gene;****sequence variation**

name of component: immunoglobulin kappa variable 2D-14

[NPU34718](#)

DNA(spec.)—IGKV2D-14 gene; seq.var. = ?

DNA(specification)—**IGKV2D-18 gene;****sequence variation**

name of component: immunoglobulin kappa variable 2D-18

[NPU34719](#)

DNA(spec.)—IGKV2D-18 gene; seq.var. = ?

DNA(specification)—**IGKV2D-19 gene;****sequence variation**

name of component: immunoglobulin kappa variable 2D-19

[NPU34720](#)

DNA(spec.)—IGKV2D-19 gene; seq.var. = ?

DNA(specification)—
IGKV2D-23 gene;
sequence variation
name of component: immunoglobulin kappa variable 2D-23
[NPU34721](#)
DNA(spec.)—IGKV2D-23 gene; seq.var. = ?

DNA(specification)—
IGKV2D-24 gene;
sequence variation
name of component: immunoglobulin kappa variable 2D-24
[NPU34722](#)
DNA(spec.)—IGKV2D-24 gene; seq.var. = ?

DNA(specification)—
IGKV2D-26 gene;
sequence variation
name of component: immunoglobulin kappa variable 2D-26
[NPU34723](#)
DNA(spec.)—IGKV2D-26 gene; seq.var. = ?

DNA(specification)—
IGKV2D-28 gene;
sequence variation
name of component: immunoglobulin kappa variable 2D-28
[NPU34724](#)
DNA(spec.)—IGKV2D-28 gene; seq.var. = ?

DNA(specification)—
IGKV2D-29 gene;
sequence variation
name of component: immunoglobulin kappa variable 2D-29
[NPU34725](#)
DNA(spec.)—IGKV2D-29 gene; seq.var. = ?

DNA(specification)—
IGKV2D-30 gene;
sequence variation
name of component: immunoglobulin kappa variable 2D-30
[NPU34726](#)
DNA(spec.)—IGKV2D-30 gene; seq.var. = ?

DNA(specification)—
IGKV2D-36 gene;
sequence variation
name of component: immunoglobulin kappa variable 2D-36
[NPU34727](#)
DNA(spec.)—IGKV2D-36 gene; seq.var. = ?

DNA(specification)—
IGKV2D-38 gene;
sequence variation
name of component: immunoglobulin kappa variable 2D-38
[NPU34728](#)
DNA(spec.)—IGKV2D-38 gene; seq.var. = ?

DNA(specification)—
IGKV2D-40 gene;
sequence variation
name of component: immunoglobulin kappa variable 2D-40
[NPU34729](#)
DNA(spec.)—IGKV2D-40 gene; seq.var. = ?

DNA(specification)—
IGKV2OR2-1 gene;
sequence variation
name of component: immunoglobulin kappa variable 2/OR2-1
[NPU34730](#)
DNA(spec.)—IGKV2OR2-1 gene; seq.var. = ?

DNA(specification)—
IGKV2OR2-10 gene;
sequence variation
name of component: immunoglobulin kappa variable 2/OR2-10
[NPU34731](#)
DNA(spec.)—IGKV2OR2-10 gene; seq.var. = ?

DNA(specification)—
IGKV2OR2-2 gene;
sequence variation
name of component: immunoglobulin kappa variable 2/OR2-2
[NPU34732](#)
DNA(spec.)—IGKV2OR2-2 gene; seq.var. = ?

DNA(specification)—
IGKV2OR22-3 gene;
sequence variation
name of component: immunoglobulin kappa variable 2/OR22-3
[NPU34736](#)
DNA(spec.)—IGKV2OR22-3 gene; seq.var. = ?

DNA(specification)—
IGKV2OR22-4 gene;
sequence variation
name of component: immunoglobulin kappa variable 2/OR22-4
[NPU34737](#)
DNA(spec.)—IGKV2OR22-4 gene; seq.var. = ?

DNA(specification)—
IGKV2OR2-4 gene;
sequence variation
name of component: immunoglobulin kappa variable 2/OR2-4
[NPU34733](#)
DNA(spec.)—IGKV2OR2-4 gene; seq.var. = ?

DNA(specification)—
IGKV2OR2-7 gene;
sequence variation
name of component: immunoglobulin kappa variable 2/OR2-7
[NPU34734](#)
DNA(spec.)—IGKV2OR2-7 gene; seq.var. = ?

DNA(specification)—
IGKV2OR2-8 gene;
sequence variation
name of component: immunoglobulin kappa variable 2/OR2-8
[NPU34735](#)
DNA(spec.)—IGKV2OR2-8 gene; seq.var. = ?

DNA(specification)—
IGKV3-11 gene;
sequence variation
name of component: immunoglobulin kappa variable 3-11
[NPU34738](#)
DNA(spec.)—IGKV3-11 gene; seq.var. = ?

DNA(specification)—
IGKV3-15 gene;
sequence variation
name of component: immunoglobulin kappa variable 3-15
[NPU34739](#)
DNA(spec.)—IGKV3-15 gene; seq.var. = ?

DNA(specification)—
IGKV3-20 gene;
sequence variation
name of component: immunoglobulin kappa variable 3-20
[NPU34740](#)
DNA(spec.)—IGKV3-20 gene; seq.var. = ?

DNA(specification)—
IGKV3-25 gene;
sequence variation
name of component: immunoglobulin kappa variable 3-25
[NPU34741](#)
DNA(spec.)—IGKV3-25 gene; seq.var. = ?

DNA(specification)—
IGKV3-31 gene;
sequence variation
name of component: immunoglobulin kappa variable 3-31
[NPU34742](#)
DNA(spec.)—IGKV3-31 gene; seq.var. = ?

DNA(specification)—
IGKV3-34 gene;
sequence variation
name of component: immunoglobulin kappa variable 3-34
[NPU34743](#)
DNA(spec.)—IGKV3-34 gene; seq.var. = ?

DNA(specification)—
IGKV3-7 gene;
sequence variation
name of component: immunoglobulin kappa variable 3-7
[NPU34744](#)
DNA(spec.)—IGKV3-7 gene; seq.var. = ?

DNA(specification)—
IGKV3D-11 gene;
sequence variation
name of component: immunoglobulin kappa variable 3D-11
[NPU34745](#)
DNA(spec.)—IGKV3D-11 gene; seq.var. = ?

DNA(specification)—
IGKV3D-15 gene;
sequence variation
name of component: immunoglobulin kappa variable 3D-15
[NPU34746](#)
DNA(spec.)—IGKV3D-15 gene; seq.var. = ?

DNA(specification)—
IGKV3D-20 gene;
sequence variation
name of component: immunoglobulin kappa variable 3D-20
[NPU34747](#)
DNA(spec.)—IGKV3D-20 gene; seq.var. = ?

DNA(specification)—
IGKV3D-25 gene;
sequence variation
name of component: immunoglobulin kappa variable 3D-25
[NPU34748](#)
DNA(spec.)—IGKV3D-25 gene; seq.var. = ?

DNA(specification)—
IGKV3D-31 gene;
sequence variation
name of component: immunoglobulin kappa variable 3D-31
[NPU34749](#)
DNA(spec.)—IGKV3D-31 gene; seq.var. = ?

DNA(specification)—
IGKV3D-34 gene;
sequence variation
name of component: immunoglobulin kappa variable 1D-34
[NPU34750](#)
DNA(spec.)—IGKV3D-34 gene; seq.var. = ?

DNA(specification)—
IGKV3D-7 gene;
sequence variation
name of component: immunoglobulin kappa variable 3D-7
[NPU34751](#)
DNA(spec.)—IGKV3D-7 gene; seq.var. = ?

DNA(specification)—
IGKV3OR22-2 gene;
sequence variation
name of component: immunoglobulin kappa variable 3/OR22-2
[NPU34754](#)
DNA(spec.)—IGKV3OR22-2 gene; seq.var. = ?

DNA(specification)—
IGKV3OR2-268 gene;
sequence variation
name of component: immunoglobulin kappa variable 3/OR2-268
[NPU34752](#)
DNA(spec.)—IGKV3OR2-268 gene; seq.var. = ?

DNA(specification)—
IGKV3OR2-5 gene;
sequence variation
name of component: immunoglobulin kappa variable 3/OR2-5
[NPU34753](#)
DNA(spec.)—IGKV3OR2-5 gene; seq.var. = ?

DNA(specification)—
IGKV4-1 gene;
sequence variation
name of component: immunoglobulin kappa variable 4-1
[NPU34755](#)
DNA(spec.)—IGKV4-1 gene; seq.var. = ?

DNA(specification)—
IGKV5-2 gene;
sequence variation
name of component: immunoglobulin kappa variable 5-2
[NPU34756](#)
DNA(spec.)—IGKV5-2 gene; seq.var. = ?

DNA(specification)—
IGKV6-21 gene;
sequence variation
name of component: immunoglobulin kappa variable 6-21
[NPU34757](#)
DNA(spec.)—IGKV6-21 gene; seq.var. = ?

DNA(specification)—
IGKV6D-21 gene;
sequence variation
name of component: immunoglobulin kappa variable 6D-21
[NPU34758](#)
DNA(spec.)—IGKV6D-21 gene; seq.var. = ?

DNA(specification)—
IGKV6D-41 gene;
sequence variation
name of component: immunoglobulin kappa variable 6D-41
[NPU34759](#)
DNA(spec.)—IGKV6D-41 gene; seq.var. = ?

DNA(specification)—
IGKV7-3 gene;
sequence variation
name of component: immunoglobulin kappa variable 7-3
[NPU34760](#)
DNA(spec.)—IGKV7-3 gene; seq.var. = ?

DNA(specification)—
IGKVOR2@ gene;
sequence variation
name of component: Immunoglobulin kappa variable orphans on chromosome 2
[NPU34761](#)
DNA(spec.)—IGKVOR2@ gene; seq.var. = ?

DNA(specification)—
IGL@ gene;
sequence variation
name of component: immunoglobulin lambda locus
[NPU34762](#)
DNA(spec.)—IGL@ gene; seq.var. = ?

DNA(specification)—**IGLC@ gene;****sequence variation**

name of component: immunoglobulin lambda constant group

[NPU34763](#)

DNA(spec.)—IGLC@ gene; seq.var. = ?

DNA(specification)—**IGLC1 gene;****sequence variation**

name of component: immunoglobulin lambda constant 1 (Mcg marker)

[NPU34764](#)

DNA(spec.)—IGLC1 gene; seq.var. = ?

DNA(specification)—**IGLC2 gene;****sequence variation**

name of component: immunoglobulin lambda constant 2 (Kern-Oz- marker)

[NPU34765](#)

DNA(spec.)—IGLC2 gene; seq.var. = ?

DNA(specification)—**IGLC3 gene;****sequence variation**

name of component: immunoglobulin lambda constant 3 (Kern-Oz+ marker)

[NPU34766](#)

DNA(spec.)—IGLC3 gene; seq.var. = ?

DNA(specification)—**IGLC4 gene;****sequence variation**

name of component: immunoglobulin lambda constant 4

[NPU34767](#)

DNA(spec.)—IGLC4 gene; seq.var. = ?

DNA(specification)—**IGLC5 gene;****sequence variation**

name of component: immunoglobulin lambda constant 5

[NPU34768](#)

DNA(spec.)—IGLC5 gene; seq.var. = ?

DNA(specification)—**IGLC6 gene;****sequence variation**

name of component: immunoglobulin lambda constant 6 (Kern+Oz- marker)

[NPU34769](#)

DNA(spec.)—IGLC6 gene; seq.var. = ?

DNA(specification)—**IGLC7 gene;****sequence variation**

name of component: immunoglobulin lambda constant 7

[NPU34770](#)

DNA(spec.)—IGLC7 gene; seq.var. = ?

DNA(specification)—**IGLCOR22-1 gene;****sequence variation**

name of component: immunoglobulin lambda constant/OR22-1

[NPU43833](#)

DNA(spec.)—IGLCOR22-1 gene; seq.var. = ?

DNA(specification)—**IGLCOR22-2 gene;****sequence variation**

name of component: immunoglobulin lambda constant/OR22-2

[NPU43834](#)

DNA(spec.)—IGLCOR22-2 gene; seq.var. = ?

DNA(specification)—**IGLJ@ gene;****sequence variation**

name of component: immunoglobulin lambda joining group

[NPU34771](#)

DNA(spec.)—IGLJ@ gene; seq.var. = ?

DNA(specification)—**IGLJ1 gene;****sequence variation**

name of component: immunoglobulin lambda joining 1

[NPU34772](#)

DNA(spec.)—IGLJ1 gene; seq.var. = ?

DNA(specification)—**IGLJ2 gene;****sequence variation**

name of component: immunoglobulin lambda joining 2

[NPU34773](#)

DNA(spec.)—IGLJ2 gene; seq.var. = ?

DNA(specification)—**IGLJ3 gene;****sequence variation**

name of component: immunoglobulin lambda joining 3

[NPU34774](#)

DNA(spec.)—IGLJ3 gene; seq.var. = ?

DNA(specification)—**IGLJ4 gene;****sequence variation**

name of component: immunoglobulin lambda joining 4

[NPU34775](#)

DNA(spec.)—IGLJ4 gene; seq.var. = ?

DNA(specification)—**IGLJ5 gene;****sequence variation**

name of component: immunoglobulin lambda joining 5

[NPU34776](#)

DNA(spec.)—IGLJ5 gene; seq.var. = ?

DNA(specification)—**IGLJ6 gene;****sequence variation**

name of component: immunoglobulin lambda joining 6

[NPU34777](#)

DNA(spec.)—IGLJ6 gene; seq.var. = ?

DNA(specification)—**IGLJ7 gene;****sequence variation**

name of component: immunoglobulin lambda joining 7

[NPU34778](#)

DNA(spec.)—IGLJ7 gene; seq.var. = ?

DNA(specification)—**IGLL1 gene;****sequence variation**

name of component: immunoglobulin lambda-like polypeptide 1

[NPU34779](#)

DNA(spec.)—IGLL1 gene; seq.var. = ?

DNA(specification)—**IGLL2 gene;****sequence variation**

name of component: immunoglobulin lambda-like polypeptide 2

[NPU34780](#)

DNA(spec.)—IGLL2 gene; seq.var. = ?

DNA(specification)—**IGLL3 gene;****sequence variation**

name of component: immunoglobulin lambda-like polypeptide 3

[NPU34781](#)

DNA(spec.)—IGLL3 gene; seq.var. = ?

DNA(specification)—**IGLP1 gene;****sequence variation**

name of component: immune response to synthetic polypeptides 1

[NPU34782](#)

DNA(spec.)—IGLP1 gene; seq.var. = ?

DNA(specification)—**IGLP2 gene;****sequence variation**

name of component: immune response to synthetic polypeptides 2

[NPU34783](#)

DNA(spec.)—IGLP2 gene; seq.var. = ?

DNA(specification)—**IGLV@ gene;****sequence variation**

name of component: immunoglobulin lambda variable group

[NPU34784](#)

DNA(spec.)—IGLV@ gene; seq.var. = ?

DNA(specification)—**IGLV10-54 gene;****sequence variation**

name of component: immunoglobulin lambda variable 10-54

[NPU34793](#)

DNA(spec.)—IGLV10-54 gene; seq.var. = ?

DNA(specification)—**IGLV10-67 gene;****sequence variation**

name of component: immunoglobulin lambda variable 10-67

[NPU34794](#)

DNA(spec.)—IGLV10-67 gene; seq.var. = ?

DNA(specification)—**IGLV11-55 gene;****sequence variation**

name of component: immunoglobulin lambda variable 11-55

[NPU34795](#)

DNA(spec.)—IGLV11-55 gene; seq.var. = ?

DNA(specification)—**IGLV1-36 gene;****sequence variation**

name of component: immunoglobulin lambda variable 1-36

[NPU34785](#)

DNA(spec.)—IGLV1-36 gene; seq.var. = ?

DNA(specification)—**IGLV1-40 gene;****sequence variation**

name of component: immunoglobulin lambda variable 1-40

[NPU34786](#)

DNA(spec.)—IGLV1-40 gene; seq.var. = ?

DNA(specification)—**IGLV1-41 gene;****sequence variation**

name of component: immunoglobulin lambda variable 1-41

[NPU34787](#)

DNA(spec.)—IGLV1-41 gene; seq.var. = ?

DNA(specification)—**IGLV1-44 gene;****sequence variation**

name of component: immunoglobulin lambda variable 1-44

[NPU34788](#)

DNA(spec.)—IGLV1-44 gene; seq.var. = ?

DNA(specification)—**IGLV1-47 gene;****sequence variation**

name of component: immunoglobulin lambda variable 1-47

[NPU34789](#)

DNA(spec.)—IGLV1-47 gene; seq.var. = ?

DNA(specification)—**IGLV1-50 gene;****sequence variation**

name of component: immunoglobulin lambda variable 1-50

[NPU34790](#)

DNA(spec.)—IGLV1-50 gene; seq.var. = ?

DNA(specification)—**IGLV1-51 gene;****sequence variation**

name of component: immunoglobulin lambda variable 1-51

[NPU34791](#)

DNA(spec.)—IGLV1-51 gene; seq.var. = ?

DNA(specification)—**IGLV1-62 gene;****sequence variation**

name of component: immunoglobulin lambda variable 1-62

[NPU34792](#)

DNA(spec.)—IGLV1-62 gene; seq.var. = ?

DNA(specification)—**IGLV2-11 gene;****sequence variation**

name of component: immunoglobulin lambda variable 2-11

[NPU34796](#)

DNA(spec.)—IGLV2-11 gene; seq.var. = ?

DNA(specification)—**IGLV2-14 gene;****sequence variation**

name of component: immunoglobulin lambda variable 2-14

[NPU34797](#)

DNA(spec.)—IGLV2-14 gene; seq.var. = ?

DNA(specification)—**IGLV2-18 gene;****sequence variation**

name of component: immunoglobulin lambda variable 2-18

[NPU34798](#)

DNA(spec.)—IGLV2-18 gene; seq.var. = ?

DNA(specification)—**IGLV2-23 gene;****sequence variation**

name of component: immunoglobulin lambda variable 2-23

[NPU34799](#)

DNA(spec.)—IGLV2-23 gene; seq.var. = ?

DNA(specification)—**IGLV2-28 gene;****sequence variation**

name of component: immunoglobulin lambda variable 2-28

[NPU34800](#)

DNA(spec.)—IGLV2-28 gene; seq.var. = ?

DNA(specification)—**IGLV2-33 gene;****sequence variation**

name of component: immunoglobulin lambda variable 2-33

[NPU34801](#)

DNA(spec.)—IGLV2-33 gene; seq.var. = ?

DNA(specification)—**IGLV2-34 gene;****sequence variation**

name of component: immunoglobulin lambda variable 2-34

[NPU34802](#)

DNA(spec.)—IGLV2-34 gene; seq.var. = ?

DNA(specification)—**IGLV2-5 gene;****sequence variation**

name of component: immunoglobulin lambda variable 2-5

[NPU34803](#)

DNA(spec.)—IGLV2-5 gene; seq.var. = ?

DNA(specification)—**IGLV2-8 gene;****sequence variation**

name of component: immunoglobulin lambda variable 2-8

[NPU34804](#)

DNA(spec.)—IGLV2-8 gene; seq.var. = ?

DNA(specification)—**IGLV3-1 gene;****sequence variation**

name of component: immunoglobulin lambda variable 3-1

[NPU34805](#)

DNA(spec.)—IGLV3-1 gene; seq.var. = ?

DNA(specification)—**IGLV3-10 gene;****sequence variation**

name of component: immunoglobulin lambda variable 3-10

[NPU34806](#)

DNA(spec.)—IGLV3-10 gene; seq.var. = ?

DNA(specification)—**IGLV3-12 gene;****sequence variation**

name of component: immunoglobulin lambda variable 3-12

[NPU34807](#)

DNA(spec.)—IGLV3-12 gene; seq.var. = ?

DNA(specification)—**IGLV3-13 gene;****sequence variation**

name of component: immunoglobulin lambda variable 3-13

[NPU34808](#)

DNA(spec.)—IGLV3-13 gene; seq.var. = ?

DNA(specification)—**IGLV3-15 gene;****sequence variation**

name of component: immunoglobulin lambda variable 3-15

[NPU34809](#)

DNA(spec.)—IGLV3-15 gene; seq.var. = ?

DNA(specification)—**IGLV3-16 gene;****sequence variation**

name of component: immunoglobulin lambda variable 3-16

[NPU34810](#)

DNA(spec.)—IGLV3-16 gene; seq.var. = ?

DNA(specification)—**IGLV3-17 gene;****sequence variation**

name of component: immunoglobulin lambda variable 3-17

[NPU34811](#)

DNA(spec.)—IGLV3-17 gene; seq.var. = ?

DNA(specification)—**IGLV3-19 gene;****sequence variation**

name of component: immunoglobulin lambda variable 3-19

[NPU34812](#)

DNA(spec.)—IGLV3-19 gene; seq.var. = ?

DNA(specification)—**IGLV3-2 gene;****sequence variation**

name of component: immunoglobulin lambda variable 3-2

[NPU34813](#)

DNA(spec.)—IGLV3-2 gene; seq.var. = ?

DNA(specification)—**IGLV3-21 gene;****sequence variation**

name of component: immunoglobulin lambda variable 3-21

[NPU34814](#)

DNA(spec.)—IGLV3-21 gene; seq.var. = ?

DNA(specification)—**IGLV3-22 gene;****sequence variation**

name of component: immunoglobulin lambda variable 3-22

[NPU34815](#)

DNA(spec.)—IGLV3-22 gene; seq.var. = ?

DNA(specification)—**IGLV3-24 gene;****sequence variation**

name of component: immunoglobulin lambda variable 3-24

[NPU34816](#)

DNA(spec.)—IGLV3-24 gene; seq.var. = ?

DNA(specification)—**IGLV3-25 gene;****sequence variation**

name of component: immunoglobulin lambda variable 3-25

[NPU34817](#)

DNA(spec.)—IGLV3-25 gene; seq.var. = ?

DNA(specification)—**IGLV3-26 gene;****sequence variation**

name of component: immunoglobulin lambda variable 3-26

[NPU34818](#)

DNA(spec.)—IGLV3-26 gene; seq.var. = ?

DNA(specification)—**IGLV3-27 gene;****sequence variation**

name of component: immunoglobulin lambda variable 3-27

[NPU34819](#)

DNA(spec.)—IGLV3-27 gene; seq.var. = ?

DNA(specification)—**IGLV3-29 gene;****sequence variation**

name of component: immunoglobulin lambda variable 3-29

[NPU34820](#)

DNA(spec.)—IGLV3-29 gene; seq.var. = ?

DNA(specification)—**IGLV3-30 gene;****sequence variation**

name of component: immunoglobulin lambda variable 3-30

[NPU34821](#)

DNA(spec.)—IGLV3-30 gene; seq.var. = ?

DNA(specification)—**IGLV3-31 gene;****sequence variation**

name of component: immunoglobulin lambda variable 3-31

[NPU34822](#)

DNA(spec.)—IGLV3-31 gene; seq.var. = ?

DNA(specification)—**IGLV3-32 gene;****sequence variation**

name of component: immunoglobulin lambda variable 3-32

[NPU34823](#)

DNA(spec.)—IGLV3-32 gene; seq.var. = ?

DNA(specification)—**IGLV3-4 gene;****sequence variation**

name of component: immunoglobulin lambda variable 3-4

[NPU34824](#)

DNA(spec.)—IGLV3-4 gene; seq.var. = ?

DNA(specification)—**IGLV3-6 gene;****sequence variation**

name of component: immunoglobulin lambda variable 3-6

[NPU34825](#)

DNA(spec.)—IGLV3-6 gene; seq.var. = ?

DNA(specification)—**IGLV3-7 gene;****sequence variation**

name of component: immunoglobulin lambda variable 3-7

[NPU34826](#)

DNA(spec.)—IGLV3-7 gene; seq.var. = ?

DNA(specification)—**IGLV3-9 gene;****sequence variation**

name of component: immunoglobulin lambda variable 3-9

[NPU34827](#)

DNA(spec.)—IGLV3-9 gene; seq.var. = ?

DNA(specification)—**IGLV4-3 gene;****sequence variation**

name of component: immunoglobulin lambda variable 4-3

[NPU34828](#)

DNA(spec.)—IGLV4-3 gene; seq.var. = ?

DNA(specification)—**IGLV4-60 gene;****sequence variation**

name of component: immunoglobulin lambda variable 4-60

[NPU34829](#)

DNA(spec.)—IGLV4-60 gene; seq.var. = ?

DNA(specification)—**IGLV4-69 gene;****sequence variation**

name of component: immunoglobulin lambda variable 4-69

[NPU34830](#)

DNA(spec.)—IGLV4-69 gene; seq.var. = ?

DNA(specification)—**IGLV5-37 gene;****sequence variation**

name of component: immunoglobulin lambda variable 5-37

[NPU34831](#)

DNA(spec.)—IGLV5-37 gene; seq.var. = ?

DNA(specification)—**IGLV5-39 gene;****sequence variation**

name of component: immunoglobulin lambda variable 5-39

[NPU34832](#)

DNA(spec.)—IGLV5-39 gene; seq.var. = ?

DNA(specification)—**IGLV5-45 gene;****sequence variation**

name of component: immunoglobulin lambda variable 5-45

[NPU34833](#)

DNA(spec.)—IGLV5-45 gene; seq.var. = ?

DNA(specification)—**IGLV5-48 gene;****sequence variation**

name of component: immunoglobulin lambda variable 5-48

[NPU34834](#)

DNA(spec.)—IGLV5-48 gene; seq.var. = ?

DNA(specification)—**IGLV5-52 gene;****sequence variation**

name of component: immunoglobulin lambda variable 5-52

[NPU34835](#)

DNA(spec.)—IGLV5-52 gene; seq.var. = ?

DNA(specification)—**IGLV6-57 gene;****sequence variation**

name of component: immunoglobulin lambda variable 6-57

[NPU34836](#)

DNA(spec.)—IGLV6-57 gene; seq.var. = ?

DNA(specification)—**IGLV7-35 gene;****sequence variation**

name of component: immunoglobulin lambda variable 7-35

[NPU34837](#)

DNA(spec.)—IGLV7-35 gene; seq.var. = ?

DNA(specification)—**IGLV7-43 gene;****sequence variation**

name of component: immunoglobulin lambda variable 7-43

[NPU34838](#)

DNA(spec.)—IGLV7-43 gene; seq.var. = ?

DNA(specification)—**IGLV7-46 gene;****sequence variation**

name of component: immunoglobulin lambda variable 7-46

[NPU34839](#)

DNA(spec.)—IGLV7-46 gene; seq.var. = ?

DNA(specification)—**IGLV8-61 gene;****sequence variation**

name of component: immunoglobulin lambda variable 8-61

[NPU34840](#)

DNA(spec.)—IGLV8-61 gene; seq.var. = ?

DNA(specification)—**IGLV8OR8-1 gene;****sequence variation**

name of component: immunoglobulin lambda variable 8/OR8-1

[NPU34841](#)

DNA(spec.)—IGLV8OR8-1 gene; seq.var. = ?

DNA(specification)—**IGLV9-49 gene;****sequence variation**

name of component: immunoglobulin lambda variable 9-49

[NPU34842](#)

DNA(spec.)—IGLV9-49 gene; seq.var. = ?

DNA(specification)—**IGLVI-20 gene;****sequence variation**

name of component: immunoglobulin lambda variable (I)-20

[NPU34843](#)

DNA(spec.)—IGLVI-20 gene; seq.var. = ?

DNA(specification)—**IGLVI-38 gene;****sequence variation**

name of component: immunoglobulin lambda variable (I)-38

[NPU34844](#)

DNA(spec.)—IGLVI-38 gene; seq.var. = ?

DNA(specification)—**IGLVI-42 gene;****sequence variation**

name of component: immunoglobulin lambda variable (I)-42

[NPU34845](#)

DNA(spec.)—IGLVI-42 gene; seq.var. = ?

DNA(specification)—**IGLVI-56 gene;****sequence variation**

name of component: immunoglobulin lambda variable (I)-56

[NPU34846](#)

DNA(spec.)—IGLVI-56 gene; seq.var. = ?

DNA(specification)—**IGLVI-63 gene;****sequence variation**

name of component: immunoglobulin lambda variable (I)-63

[NPU34847](#)

DNA(spec.)—IGLVI-63 gene; seq.var. = ?

DNA(specification)—**IGLVI-68 gene;****sequence variation**

name of component: immunoglobulin lambda variable (I)-68

[NPU34848](#)

DNA(spec.)—IGLVI-68 gene; seq.var. = ?

DNA(specification)—**IGLVI-70 gene;****sequence variation**

name of component: immunoglobulin lambda variable (I)-70

[NPU34849](#)

DNA(spec.)—IGLVI-70 gene; seq.var. = ?

DNA(specification)—**IGLVIV-53 gene;****sequence variation**

name of component: immunoglobulin lambda variable (IV)-53

[NPU34850](#)

DNA(spec.)—IGLVIV-53 gene; seq.var. = ?

DNA(specification)—**IGLVIV-59 gene;****sequence variation**

name of component: immunoglobulin lambda variable (IV)-59

[NPU34851](#)

DNA(spec.)—IGLVIV-59 gene; seq.var. = ?

DNA(specification)—**IGLVIV-64 gene;****sequence variation**

name of component: immunoglobulin lambda variable (IV)-64

[NPU34852](#)

DNA(spec.)—IGLVIV-64 gene; seq.var. = ?

DNA(specification)—**IGLVIV-65 gene;****sequence variation**

name of component: immunoglobulin lambda variable (IV)-65

[NPU34853](#)

DNA(spec.)—IGLVIV-65 gene; seq.var. = ?

DNA(specification)—**IGLVIV-66-1 gene;****sequence variation**

name of component: immunoglobulin lambda variable (IV)-66-1

[NPU43830](#)

DNA(spec.)—IGLVIV-66-1 gene; seq.var. = ?

DNA(specification)—**IGLVIVOR22-1 gene;****sequence variation**

name of component: immunoglobulin lambda variable (IV)/OR22-1

[NPU43831](#)

DNA(spec.)—IGLVIVOR22-1 gene; seq.var. = ?

DNA(specification)—**IGLVIVOR22-2 gene;****sequence variation**

name of component: immunoglobulin lambda variable (IV)/OR22-2

[NPU43832](#)

DNA(spec.)—IGLVIVOR22-2 gene; seq.var. = ?

DNA(specification)—**IGLVV-58 gene;****sequence variation**

name of component: immunoglobulin lambda variable (V)-58

[NPU34854](#)

DNA(spec.)—IGLVV-58 gene; seq.var. = ?

DNA(specification)—**IGLVV-66 gene;****sequence variation**

name of component: immunoglobulin lambda variable (V)-66

[NPU34855](#)

DNA(spec.)—IGLVV-66 gene; seq.var. = ?

DNA(specification)—**IGLVVI-22-1 gene;****sequence variation**

name of component: immunoglobulin lambda variable (VI)-22-1

[NPU43827](#)

DNA(spec.)—IGLVVI-22-1 gene; seq.var. = ?

DNA(specification)—**IGLVVI-25-1 gene;****sequence variation**

name of component: immunoglobulin lambda variable (VI)-25-1

[NPU43828](#)

DNA(spec.)—IGLVVI-25-1 gene; seq.var. = ?

DNA(specification)—**IGLVVII-41-1 gene;****sequence variation**

name of component: immunoglobulin lambda variable (VII)-41-1

[NPU43829](#)

DNA(spec.)—IGLVVII-41-1 gene; seq.var. = ?

DNA(specification)—**IGSF1 gene;****sequence variation**

name of component: immunoglobulin superfamily, member 1

[NPU34856](#)

DNA(spec.)—IGSF1 gene; seq.var. = ?

DNA(specification)—**IGSF11 gene;****sequence variation**

name of component: immunoglobulin superfamily, member 11

[NPU44630](#)

DNA(spec.)—IGSF11 gene; seq.var. = ?

DNA(specification)—**IGSF2 gene;****sequence variation**

name of component: immunoglobulin superfamily, member 2

[NPU34857](#)

DNA(spec.)—IGSF2 gene; seq.var. = ?

DNA(specification)—**IGSF3 gene;****sequence variation**

name of component: immunoglobulin superfamily, member 3

[NPU34858](#)

DNA(spec.)—IGSF3 gene; seq.var. = ?

DNA(specification)—**IGSF4 gene;****sequence variation**

name of component: immunoglobulin superfamily, member 4

[NPU34859](#)

DNA(spec.)—IGSF4 gene; seq.var. = ?

DNA(specification)—**IGSF5 gene;****sequence variation**

name of component: immunoglobulin superfamily, member 5

[NPU34860](#)

DNA(spec.)—IGSF5 gene; seq.var. = ?

DNA(specification)—**IGSF6 gene;****sequence variation**

name of component: immunoglobulin superfamily, member 6

[NPU34861](#)

DNA(spec.)—IGSF6 gene; seq.var. = ?

DNA(specification)—**IGSF8 gene;****sequence variation**

name of component: immunoglobulin superfamily, member 8

[NPU46113](#)

DNA(spec.)—IGSF8 gene; seq.var. = ?

DNA(specification)—**IGSF9 gene;****sequence variation**

name of component: immunoglobulin superfamily, member 9

[NPU46316](#)

DNA(spec.)—IGSF9 gene; seq.var. = ?

DNA(specification)—**IHG1 gene;****sequence variation**

name of component: iris hypoplasia with glaucoma 1

[NPU34862](#)

DNA(spec.)—IHG1 gene; seq.var. = ?

DNA(specification)—**IHH gene;****sequence variation**

name of component: Indian hedgehog homolog (Drosophila)

[NPU34863](#)

DNA(spec.)—IHH gene; seq.var. = ?

DNA(specification)—**IHPK1 gene;****sequence variation**

name of component: inositol hexaphosphate kinase 1

[NPU46422](#)

DNA(spec.)—IHPK1 gene; seq.var. = ?

DNA(specification)—**IHPK2 gene;****sequence variation**

name of component: inositol hexaphosphate kinase 2

[NPU44971](#)

DNA(spec.)—IHPK2 gene; seq.var. = ?

DNA(specification)—**IHPK3 gene;****sequence variation**

name of component: inositol hexaphosphate kinase 3

[NPU44940](#)

DNA(spec.)—IHPK3 gene; seq.var. = ?

DNA(specification)—**II gene;****sequence variation**

name of component: II blood group

[NPU34864](#)

DNA(spec.)—II gene; seq.var. = ?

DNA(specification)—**IK gene;****sequence variation**

name of component: IK cytokine, down-regulator of HLA II

[NPU34865](#)

DNA(spec.)—IK gene; seq.var. = ?

DNA(specification)—**IKBKAP gene;****sequence variation**

name of component: inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase complex-associated protein

[NPU34866](#)

DNA(spec.)—IKBKAP gene; seq.var. = ?

DNA(specification)—**IKBKB gene;****sequence variation**

name of component: inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta

[NPU34867](#)

DNA(spec.)—IKBKB gene; seq.var. = ?

DNA(specification)—**IKBKE gene;****sequence variation**

name of component: inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase epsilon

[NPU42857](#)

DNA(spec.)—IKBKE gene; seq.var. = ?

DNA(specification)—**IKBKG gene;****sequence variation**

name of component: inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase gamma

[NPU34868](#)

DNA(spec.)—IKBKG gene; seq.var. = ?

DNA(specification)—**IL10 gene;****sequence variation**

name of component: interleukin 10

[NPU34869](#)

DNA(spec.)—IL10 gene; seq.var. = ?

DNA(specification)—**IL10RA gene;****sequence variation**

name of component: interleukin 10 receptor, alpha

[NPU34870](#)

DNA(spec.)—IL10RA gene; seq.var. = ?

DNA(specification)—**IL10RB gene;****sequence variation**

name of component: interleukin 10 receptor, beta

[NPU34871](#)

DNA(spec.)—IL10RB gene; seq.var. = ?

DNA(specification)—**IL11 gene;****sequence variation**

name of component: interleukin 11

[NPU34872](#)

DNA(spec.)—IL11 gene; seq.var. = ?

DNA(specification)—**IL11RA gene;****sequence variation**

name of component: interleukin 11 receptor, alpha

[NPU34873](#)

DNA(spec.)—IL11RA gene; seq.var. = ?

DNA(specification)—**IL11RB gene;****sequence variation**

name of component: interleukin 11 receptor, beta

[NPU34874](#)

DNA(spec.)—IL11RB gene; seq.var. = ?

DNA(specification)—**IL12A gene;****sequence variation**

name of component: interleukin 12A (natural killer cell stimulatory factor 1, cytotoxic lymphocyte maturation factor 1, p35)

[NPU34875](#)

DNA(spec.)—IL12A gene; seq.var. = ?

DNA(specification)—**IL12B gene;****sequence variation**

name of component: interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40)

[NPU34876](#)

DNA(spec.)—IL12B gene; seq.var. = ?

DNA(specification)—**IL12RB1 gene;****sequence variation**

name of component: interleukin 12 receptor, beta 1

[NPU34877](#)

DNA(spec.)—IL12RB1 gene; seq.var. = ?

DNA(specification)—**IL12RB2 gene;****sequence variation**

name of component: interleukin 12 receptor, beta 2

[NPU34878](#)

DNA(spec.)—IL12RB2 gene; seq.var. = ?

DNA(specification)—**IL13 gene;****sequence variation**

name of component: interleukin 13

[NPU34879](#)

DNA(spec.)—IL13 gene; seq.var. = ?

DNA(specification)—**IL13RA1 gene;****sequence variation**

name of component: interleukin 13 receptor, alpha 1

[NPU34880](#)

DNA(spec.)—IL13RA1 gene; seq.var. = ?

DNA(specification)—**IL13RA2 gene;****sequence variation**

name of component: interleukin 13 receptor, alpha 2

[NPU34881](#)

DNA(spec.)—IL13RA2 gene; seq.var. = ?

DNA(specification)—**IL14 gene;****sequence variation**

name of component: interleukin 14

[NPU34882](#)

DNA(spec.)—IL14 gene; seq.var. = ?

DNA(specification)—**IL15 gene;****sequence variation**

name of component: interleukin 15

[NPU34883](#)

DNA(spec.)—IL15 gene; seq.var. = ?

DNA(specification)—**IL15RA gene;****sequence variation**

name of component: interleukin 15 receptor, alpha

[NPU34884](#)

DNA(spec.)—IL15RA gene; seq.var. = ?

DNA(specification)—**IL15RB gene;****sequence variation**

name of component: interleukin 15 receptor, beta

[NPU34885](#)

DNA(spec.)—IL15RB gene; seq.var. = ?

DNA(specification)—**IL16 gene;****sequence variation**

name of component: interleukin 16 (lymphocyte chemoattractant factor)

[NPU34886](#)

DNA(spec.)—IL16 gene; seq.var. = ?

DNA(specification)—**IL17 gene;****sequence variation**

name of component: interleukin 17 (cytotoxic T-lymphocyte-associated serine esterase 8)

[NPU34887](#)

DNA(spec.)—IL17 gene; seq.var. = ?

DNA(specification)—**IL17B gene;****sequence variation**

name of component: interleukin 17B

[NPU34888](#)

DNA(spec.)—IL17B gene; seq.var. = ?

DNA(specification)—**IL17BR gene;****sequence variation**

name of component: interleukin 17B receptor

[NPU46230](#)

DNA(spec.)—IL17BR gene; seq.var. = ?

DNA(specification)—**IL17C gene;****sequence variation**

name of component: interleukin 17C

[NPU34889](#)

DNA(spec.)—IL17C gene; seq.var. = ?

DNA(specification)—**IL17D gene;****sequence variation**

name of component: interleukin 17D

[NPU34890](#)

DNA(spec.)—IL17D gene; seq.var. = ?

DNA(specification)—**IL17E gene;****sequence variation**

name of component: interleukin 17E

[NPU42318](#)

DNA(spec.)—IL17E gene; seq.var. = ?

DNA(specification)—**IL17F gene;****sequence variation**

name of component: interleukin 17F

[NPU44409](#)

DNA(spec.)—IL17F gene; seq.var. = ?

DNA(specification)—**IL17R gene;****sequence variation**

name of component: interleukin 17 receptor

[NPU34891](#)

DNA(spec.)—IL17R gene; seq.var. = ?

DNA(specification)—**IL18 gene;****sequence variation**

name of component: interleukin 18 (interferon-gamma-inducing factor)

[NPU34892](#)

DNA(spec.)—IL18 gene; seq.var. = ?

DNA(specification)—**IL18BP gene;****sequence variation**

name of component: interleukin 18 binding protein

[NPU34893](#)

DNA(spec.)—IL18BP gene; seq.var. = ?

DNA(specification)—**IL18R1 gene;****sequence variation**

name of component: interleukin 18 receptor 1

[NPU34894](#)

DNA(spec.)—IL18R1 gene; seq.var. = ?

DNA(specification)—**IL18RAP gene;****sequence variation**

name of component: interleukin 18 receptor accessory protein

[NPU34895](#)

DNA(spec.)—IL18RAP gene; seq.var. = ?

DNA(specification)—**IL19 gene;****sequence variation**

name of component: interleukin 19

[NPU34896](#)

DNA(spec.)—IL19 gene; seq.var. = ?

DNA(specification)—**IL1A gene;****sequence variation**

name of component: interleukin 1, alpha

[NPU34897](#)

DNA(spec.)—IL1A gene; seq.var. = ?

DNA(specification)—**IL1B gene;****sequence variation**

name of component: interleukin 1, beta

[NPU34898](#)

DNA(spec.)—IL1B gene; seq.var. = ?

DNA(specification)—**IL1F10 gene;****sequence variation**

name of component: interleukin 1 family, member 10 (theta)

[NPU43737](#)

DNA(spec.)—IL1F10 gene; seq.var. = ?

DNA(specification)—**IL1F5 gene;****sequence variation**

name of component: interleukin 1 family, member 5 (delta)

[NPU43738](#)

DNA(spec.)—IL1F5 gene; seq.var. = ?

DNA(specification)—**IL1F6 gene;****sequence variation**

name of component: interleukin 1 family, member 6 (epsilon)

[NPU43739](#)

DNA(spec.)—IL1F6 gene; seq.var. = ?

DNA(specification)—**IL1F7 gene;****sequence variation**

name of component: interleukin 1 family, member 7 (zeta)

[NPU43740](#)

DNA(spec.)—IL1F7 gene; seq.var. = ?

DNA(specification)—**IL1F8 gene;****sequence variation**

name of component: interleukin 1 family, member 8 (eta)

[NPU43741](#)

DNA(spec.)—IL1F8 gene; seq.var. = ?

DNA(specification)—**IL1F9 gene;****sequence variation**

name of component: interleukin 1 family, member 9

[NPU43864](#)

DNA(spec.)—IL1F9 gene; seq.var. = ?

DNA(specification)—**IL1R1 gene;****sequence variation**

name of component: interleukin 1 receptor, type I

[NPU34899](#)

DNA(spec.)—IL1R1 gene; seq.var. = ?

DNA(specification)—**IL1R2 gene;****sequence variation**

name of component: interleukin 1 receptor, type II

[NPU34900](#)

DNA(spec.)—IL1R2 gene; seq.var. = ?

DNA(specification)—**IL1RAP gene;****sequence variation**

name of component: interleukin 1 receptor accessory protein

[NPU34901](#)

DNA(spec.)—IL1RAP gene; seq.var. = ?

DNA(specification)—**IL1RAPL1 gene;****sequence variation**

name of component: interleukin 1 receptor accessory protein-like 1

[NPU34902](#)

DNA(spec.)—IL1RAPL1 gene; seq.var. = ?

DNA(specification)—**IL1RAPL2 gene;****sequence variation**

name of component: interleukin 1 receptor accessory protein-like 2

[NPU34903](#)

DNA(spec.)—IL1RAPL2 gene; seq.var. = ?

DNA(specification)—**IL1RL1 gene;****sequence variation**

name of component: interleukin 1 receptor-like 1

[NPU34904](#)

DNA(spec.)—IL1RL1 gene; seq.var. = ?

DNA(specification)—**IL1RL2 gene;****sequence variation**

name of component: interleukin 1 receptor-like 2

[NPU34905](#)

DNA(spec.)—IL1RL2 gene; seq.var. = ?

DNA(specification)—**IL1RN gene;****sequence variation**

name of component: interleukin 1 receptor antagonist

[NPU34906](#)

DNA(spec.)—IL1RN gene; seq.var. = ?

DNA(specification)—**IL2 gene;****sequence variation**

name of component: interleukin 2

[NPU34907](#)

DNA(spec.)—IL2 gene; seq.var. = ?

DNA(specification)—**IL20 gene;****sequence variation**

name of component: interleukin 20

[NPU34908](#)

DNA(spec.)—IL20 gene; seq.var. = ?

DNA(specification)—**IL20RA gene;****sequence variation**

name of component: interleukin 20 receptor, alpha

[NPU34909](#)

DNA(spec.)—IL20RA gene; seq.var. = ?

DNA(specification)—**IL20RB gene;****sequence variation**

name of component: interleukin 20 receptor beta

[NPU34910](#)

DNA(spec.)—IL20RB gene; seq.var. = ?

DNA(specification)—**IL21 gene;****sequence variation**

name of component: interleukin 21

[NPU34911](#)

DNA(spec.)—IL21 gene; seq.var. = ?

DNA(specification)—**IL21R gene;****sequence variation**

name of component: interleukin 21 receptor

[NPU34912](#)

DNA(spec.)—IL21R gene; seq.var. = ?

DNA(specification)—**IL22 gene;****sequence variation**

name of component: interleukin 22

[NPU43151](#)

DNA(spec.)—IL22 gene; seq.var. = ?

DNA(specification)—**IL22RA1 gene;****sequence variation**

name of component: interleukin 22 receptor, alpha 1

[NPU42274](#)

DNA(spec.)—IL22RA1 gene; seq.var. = ?

DNA(specification)—**IL22RA2 gene;****sequence variation**

name of component: interleukin 22 receptor, alpha 2

[NPU43152](#)

DNA(spec.)—IL22RA2 gene; seq.var. = ?

DNA(specification)—**IL23A gene;****sequence variation**

name of component: interleukin 23, alpha subunit p19

[NPU43699](#)

DNA(spec.)—IL23A gene; seq.var. = ?

DNA(specification)—**IL24 gene;****sequence variation**

name of component: interleukin 24

[NPU40423](#)

DNA(spec.)—IL24 gene; seq.var. = ?

DNA(specification)—**IL26 gene;****sequence variation**

name of component: interleukin 26

[NPU44860](#)

DNA(spec.)—IL26 gene; seq.var. = ?

DNA(specification)—**IL27w gene;****sequence variation**

name of component: interleukin 27 working designation

[NPU44788](#)

DNA(spec.)—IL27w gene; seq.var. = ?

DNA(specification)—**IL28A gene;****sequence variation**

name of component: interleukin 28A (interferon, lambda 2)

[NPU46425](#)

DNA(spec.)—IL28A gene; seq.var. = ?

DNA(specification)—**IL28B gene;****sequence variation**

name of component: interleukin 28B (interferon, lambda 3)

[NPU46426](#)

DNA(spec.)—IL28B gene; seq.var. = ?

DNA(specification)—**IL28RA gene;****sequence variation**

name of component: interleukin 28 receptor, alpha (interferon, lambda receptor)

[NPU46552](#)

DNA(spec.)—IL28RA gene; seq.var. = ?

DNA(specification)—**IL29 gene;****sequence variation**

name of component: interleukin 29 (interferon, lambda 1)

[NPU46424](#)

DNA(spec.)—IL29 gene; seq.var. = ?

DNA(specification)—**IL2RA gene;****sequence variation**

name of component: interleukin 2 receptor, alpha

[NPU34913](#)

DNA(spec.)—IL2RA gene; seq.var. = ?

DNA(specification)—**IL2RB gene;****sequence variation**

name of component: interleukin 2 receptor, beta

[NPU34914](#)

DNA(spec.)—IL2RB gene; seq.var. = ?

DNA(specification)—**IL2RG gene;****sequence variation**

name of component: interleukin 2 receptor, gamma (severe combined immunodeficiency)

[NPU34915](#)

DNA(spec.)—IL2RG gene; seq.var. = ?

DNA(specification)—
IL3 gene;
sequence variation
name of component: interleukin 3 (colony-stimulating factor, multiple)
[NPU34916](#)
DNA(spec.)—IL3 gene; seq.var. = ?

DNA(specification)—
IL30 gene;
sequence variation
name of component: interleukin 30
[NPU46887](#)
DNA(spec.)—IL30 gene; seq.var. = ?

DNA(specification)—
IL3RA gene;
sequence variation
name of component: interleukin 3 receptor, alpha (low affinity)
[NPU34917](#)
DNA(spec.)—IL3RA gene; seq.var. = ?

DNA(specification)—
IL4 gene;
sequence variation
name of component: interleukin 4
[NPU34918](#)
DNA(spec.)—IL4 gene; seq.var. = ?

DNA(specification)—
IL4I1 gene;
sequence variation
name of component: interleukin 4 induced 1
[NPU46858](#)
DNA(spec.)—IL4I1 gene; seq.var. = ?

DNA(specification)—
IL4R gene;
sequence variation
name of component: interleukin 4 receptor
[NPU34919](#)
DNA(spec.)—IL4R gene; seq.var. = ?

DNA(specification)—
IL5 gene;
sequence variation
name of component: interleukin 5 (colony-stimulating factor, eosinophil)
[NPU34920](#)
DNA(spec.)—IL5 gene; seq.var. = ?

DNA(specification)—
IL5RA gene;
sequence variation
name of component: interleukin 5 receptor, alpha
[NPU34921](#)
DNA(spec.)—IL5RA gene; seq.var. = ?

DNA(specification)—
IL6 gene;
sequence variation
name of component: interleukin 6 (interferon, beta 2)
[NPU34922](#)
DNA(spec.)—IL6 gene; seq.var. = ?

DNA(specification)—
IL6R gene;
sequence variation
name of component: interleukin 6 receptor
[NPU34923](#)
DNA(spec.)—IL6R gene; seq.var. = ?

DNA(specification)—
IL6RL1 gene;
sequence variation
name of component: interleukin 6 receptor-like 1
[NPU34924](#)
DNA(spec.)—IL6RL1 gene; seq.var. = ?

DNA(specification)—
IL6ST gene;
sequence variation
name of component: interleukin 6 signal transducer (gp130, oncostatin M receptor)
[NPU34925](#)
DNA(spec.)—IL6ST gene; seq.var. = ?

DNA(specification)—
IL6STP gene;
sequence variation
name of component: interleukin 6 signal transducer (gp130, oncostatin M receptor) pseudogene
[NPU34926](#)
DNA(spec.)—IL6STP gene; seq.var. = ?

DNA(specification)—
IL7 gene;
sequence variation
name of component: interleukin 7
[NPU34927](#)
DNA(spec.)—IL7 gene; seq.var. = ?

DNA(specification)—
IL7R gene;
sequence variation
name of component: interleukin 7 receptor
[NPU34928](#)
DNA(spec.)—IL7R gene; seq.var. = ?

DNA(specification)—
IL8 gene;
sequence variation
name of component: interleukin 8
[NPU34929](#)
DNA(spec.)—IL8 gene; seq.var. = ?

DNA(specification)—
IL8RA gene;
sequence variation
name of component: interleukin 8 receptor, alpha
[NPU34930](#)
DNA(spec.)—IL8RA gene; seq.var. = ?

DNA(specification)—
IL8RB gene;
sequence variation
name of component: interleukin 8 receptor, beta
[NPU34931](#)
DNA(spec.)—IL8RB gene; seq.var. = ?

DNA(specification)—
IL8RBP gene;
sequence variation
name of component: interleukin 8 receptor, beta
pseudogene
[NPU34932](#)
DNA(spec.)—IL8RBP gene; seq.var. = ?

DNA(specification)—
IL9 gene;
sequence variation
name of component: interleukin 9
[NPU34933](#)
DNA(spec.)—IL9 gene; seq.var. = ?

DNA(specification)—
IL9R gene;
sequence variation
name of component: interleukin 9 receptor
[NPU34934](#)
DNA(spec.)—IL9R gene; seq.var. = ?

DNA(specification)—
IL9RP1 gene;
sequence variation
name of component: interleukin 9 receptor pseu-
dogene 1
[NPU34935](#)
DNA(spec.)—IL9RP1 gene; seq.var. = ?

DNA(specification)—
IL9RP2 gene;
sequence variation
name of component: interleukin 9 receptor pseu-
dogene 2
[NPU34936](#)
DNA(spec.)—IL9RP2 gene; seq.var. = ?

DNA(specification)—
IL9RP3 gene;
sequence variation
name of component: interleukin 9 receptor pseu-
dogene 3
[NPU34937](#)
DNA(spec.)—IL9RP3 gene; seq.var. = ?

DNA(specification)—
IL9RP4 gene;
sequence variation
name of component: interleukin 9 receptor pseu-
dogene 4
[NPU34938](#)
DNA(spec.)—IL9RP4 gene; seq.var. = ?

DNA(specification)—
ILF1 gene;
sequence variation
name of component: interleukin enhancer binding
factor 1
[NPU34939](#)
DNA(spec.)—ILF1 gene; seq.var. = ?

DNA(specification)—
ILF2 gene;
sequence variation
name of component: interleukin enhancer binding
factor 2, 45 kDa
[NPU34940](#)
DNA(spec.)—ILF2 gene; seq.var. = ?

DNA(specification)—
ILF3 gene;
sequence variation
name of component: interleukin enhancer binding
factor 3, 90 kDa
[NPU34941](#)
DNA(spec.)—ILF3 gene; seq.var. = ?

DNA(specification)—
ILF3L gene;
sequence variation
name of component: interleukin enhancer binding
factor 3-like
[NPU34942](#)
DNA(spec.)—ILF3L gene; seq.var. = ?

DNA(specification)—
ILK gene;
sequence variation
name of component: integrin-linked kinase
[NPU34943](#)
DNA(spec.)—ILK gene; seq.var. = ?

DNA(specification)—
ILKAP gene;
sequence variation
name of component: integrin-linked kinase-
associated serine/threonine phosphatase 2C
[NPU43743](#)
DNA(spec.)—ILKAP gene; seq.var. = ?

DNA(specification)—**ILVBL gene;****sequence variation**

name of component: ilvB (bacterial acetolactate synthase)-like

[NPU34944](#)

DNA(spec.)—ILVBL gene; seq.var. = ?

DNA(specification)—**IMMT gene;****sequence variation**

name of component: inner membrane protein, mitochondrial (mitofilin)

[NPU34945](#)

DNA(spec.)—IMMT gene; seq.var. = ?

DNA(specification)—**IMMTP gene;****sequence variation**

name of component: inner membrane protein, mitochondrial (mitofilin) pseudogene

[NPU34946](#)

DNA(spec.)—IMMTP gene; seq.var. = ?

DNA(specification)—**IMPA1 gene;****sequence variation**

name of component: inositol(myo)-1(or 4)-monophosphatase 1

[NPU34947](#)

DNA(spec.)—IMPA1 gene; seq.var. = ?

DNA(specification)—**IMPA2 gene;****sequence variation**

name of component: inositol(myo)-1(or 4)-monophosphatase 2

[NPU34948](#)

DNA(spec.)—IMPA2 gene; seq.var. = ?

DNA(specification)—**IMPDH1 gene;****sequence variation**

name of component: IMP (inosine monophosphate) dehydrogenase 1

[NPU34949](#)

DNA(spec.)—IMPDH1 gene; seq.var. = ?

DNA(specification)—**IMPDH2 gene;****sequence variation**

name of component: IMP (inosine monophosphate) dehydrogenase 2

[NPU34950](#)

DNA(spec.)—IMPDH2 gene; seq.var. = ?

DNA(specification)—**IMPDHL1 gene;****sequence variation**

name of component: IMP (inosine monophosphate) dehydrogenase-like 1

[NPU34951](#)

DNA(spec.)—IMPDHL1 gene; seq.var. = ?

DNA(specification)—**IMPG1 gene;****sequence variation**

name of component: interphotoreceptor matrix proteoglycan 1

[NPU34952](#)

DNA(spec.)—IMPG1 gene; seq.var. = ?

DNA(specification)—**IMPG2 gene;****sequence variation**

name of component: interphotoreceptor matrix proteoglycan 2

[NPU46423](#)

DNA(spec.)—IMPG2 gene; seq.var. = ?

DNA(specification)—**INA gene;****sequence variation**

name of component: internexin neuronal intermediate filament protein, alpha

[NPU34953](#)

DNA(spec.)—INA gene; seq.var. = ?

DNA(specification)—**INCENP gene;****sequence variation**

name of component: inner centromere protein antigens 135/155 kDa

[NPU34954](#)

DNA(spec.)—INCENP gene; seq.var. = ?

DNA(specification)—**INDO gene;****sequence variation**

name of component: indoleamine-pyrrole 2,3 dioxygenase

[NPU34955](#)

DNA(spec.)—INDO gene; seq.var. = ?

DNA(specification)—**INE1 gene;****sequence variation**

name of component: inactivation escape 1

[NPU34956](#)

DNA(spec.)—INE1 gene; seq.var. = ?

DNA(specification)—**INE2 gene;****sequence variation**

name of component: inactivation escape 2

[NPU34957](#)

DNA(spec.)—INE2 gene; seq.var. = ?

DNA(specification)—**ING1 gene;****sequence variation**name of component: inhibitor of growth family,
member 1[NPU34958](#)

DNA(spec.)—ING1 gene; seq.var. = ?

DNA(specification)—**ING1L gene;****sequence variation**name of component: inhibitor of growth family,
member 1-like[NPU34959](#)

DNA(spec.)—ING1L gene; seq.var. = ?

DNA(specification)—**ING2 gene;****sequence variation**name of component: inhibitor of growth family,
member 2[NPU34960](#)

DNA(spec.)—ING2 gene; seq.var. = ?

DNA(specification)—**ING3 gene;****sequence variation**name of component: inhibitor of growth family,
member 3[NPU42882](#)

DNA(spec.)—ING3 gene; seq.var. = ?

DNA(specification)—**ING4 gene;****sequence variation**name of component: inhibitor of growth family,
member 4[NPU47030](#)

DNA(spec.)—ING4 gene; seq.var. = ?

DNA(specification)—**ING5 gene;****sequence variation**name of component: inhibitor of growth family,
member 5[NPU47028](#)

DNA(spec.)—ING5 gene; seq.var. = ?

DNA(specification)—**INH A gene;****sequence variation**

name of component: inhibin, alpha

[NPU34961](#)

DNA(spec.)—INH A gene; seq.var. = ?

DNA(specification)—**INHBA gene;****sequence variation**name of component: inhibin, beta A (activin A,
activin AB alpha polypeptide)[NPU34962](#)

DNA(spec.)—INHBA gene; seq.var. = ?

DNA(specification)—**INHBB gene;****sequence variation**name of component: inhibin, beta B (activin AB
beta polypeptide)[NPU34963](#)

DNA(spec.)—INHBB gene; seq.var. = ?

DNA(specification)—**INHBC gene;****sequence variation**

name of component: inhibin, beta C

[NPU34964](#)

DNA(spec.)—INHBC gene; seq.var. = ?

DNA(specification)—**INMT gene;****sequence variation**name of component: indolethylamine N-
methyltransferase[NPU34965](#)

DNA(spec.)—INMT gene; seq.var. = ?

DNA(specification)—**INPP1 gene;****sequence variation**name of component: inositol polyphosphate-1-
phosphatase[NPU34966](#)

DNA(spec.)—INPP1 gene; seq.var. = ?

DNA(specification)—**INPP3 gene;****sequence variation**name of component: inositol polyphosphate-3-
phosphatase[NPU34967](#)

DNA(spec.)—INPP3 gene; seq.var. = ?

DNA(specification)—**INPP4A gene;****sequence variation**

name of component: inositol polyphosphate-4-phosphatase, type I, 107 kDa

[NPU34968](#)

DNA(spec.)—INPP4A gene; seq.var. = ?

DNA(specification)—**INPP4B gene;****sequence variation**

name of component: inositol polyphosphate-4-phosphatase, type II, 105 kDa

[NPU34969](#)

DNA(spec.)—INPP4B gene; seq.var. = ?

DNA(specification)—**INPP5A gene;****sequence variation**

name of component: inositol polyphosphate-5-phosphatase, 40 kDa

[NPU34970](#)

DNA(spec.)—INPP5A gene; seq.var. = ?

DNA(specification)—**INPP5B gene;****sequence variation**

name of component: inositol polyphosphate-5-phosphatase, 75 kDa

[NPU34971](#)

DNA(spec.)—INPP5B gene; seq.var. = ?

DNA(specification)—**INPP5C gene;****sequence variation**

name of component: inositol polyphosphate-5-phosphatase, 120 kDa

[NPU34972](#)

DNA(spec.)—INPP5C gene; seq.var. = ?

DNA(specification)—**INPP5D gene;****sequence variation**

name of component: inositol polyphosphate-5-phosphatase, 145 kDa

[NPU34973](#)

DNA(spec.)—INPP5D gene; seq.var. = ?

DNA(specification)—**INPP5E gene;****sequence variation**

name of component: inositol polyphosphate-5-phosphatase, 72 kDa

[NPU46608](#)

DNA(spec.)—INPP5E gene; seq.var. = ?

DNA(specification)—**INPPL1 gene;****sequence variation**

name of component: inositol polyphosphate phosphatase-like 1

[NPU34974](#)

DNA(spec.)—INPPL1 gene; seq.var. = ?

DNA(specification)—**INS gene;****sequence variation**

name of component: insulin

[NPU34975](#)

DNA(spec.)—INS gene; seq.var. = ?

DNA(specification)—**INSAF gene;****sequence variation**

name of component: insulin activator factor (insulin control element-binding transcription factor)

[NPU34976](#)

DNA(spec.)—INSAF gene; seq.var. = ?

DNA(specification)—**INSIG1 gene;****sequence variation**

name of component: insulin induced gene 1

[NPU34977](#)

DNA(spec.)—INSIG1 gene; seq.var. = ?

DNA(specification)—**INSIG2 gene;****sequence variation**

name of component: insulin induced gene 2

[NPU47625](#)

DNA(spec.)—INSIG2 gene; seq.var. = ?

DNA(specification)—**INSL1 gene;****sequence variation**

name of component: insulin-like 1

[NPU34978](#)

DNA(spec.)—INSL1 gene; seq.var. = ?

DNA(specification)—**INSL2 gene;****sequence variation**

name of component: insulin-like 2

[NPU34979](#)

DNA(spec.)—INSL2 gene; seq.var. = ?

DNA(specification)—**INSL3 gene;****sequence variation**

name of component: insulin-like 3 (Leydig cell)

[NPU34980](#)

DNA(spec.)—INSL3 gene; seq.var. = ?

DNA(specification)—
INSL4 gene;
sequence variation
name of component: insulin-like 4 (placenta)
[NPU34981](#)
DNA(spec.)—INSL4 gene; seq.var. = ?

DNA(specification)—
INSL5 gene;
sequence variation
name of component: insulin-like 5
[NPU34982](#)
DNA(spec.)—INSL5 gene; seq.var. = ?

DNA(specification)—
INSL6 gene;
sequence variation
name of component: insulin-like 6
[NPU34983](#)
DNA(spec.)—INSL6 gene; seq.var. = ?

DNA(specification)—
INSM1 gene;
sequence variation
name of component: insulinoma-associated 1
[NPU34984](#)
DNA(spec.)—INSM1 gene; seq.var. = ?

DNA(specification)—
INSM2 gene;
sequence variation
name of component: insulinoma-associated 2
[NPU46044](#)
DNA(spec.)—INSM2 gene; seq.var. = ?

DNA(specification)—
INSR gene;
sequence variation
name of component: insulin receptor
[NPU34985](#)
DNA(spec.)—INSR gene; seq.var. = ?

DNA(specification)—
INSRL gene;
sequence variation
name of component: insulin receptor-like
[NPU34986](#)
DNA(spec.)—INSRL gene; seq.var. = ?

DNA(specification)—
INSRR gene;
sequence variation
name of component: insulin receptor-related receptor
[NPU34987](#)
DNA(spec.)—INSRR gene; seq.var. = ?

DNA(specification)—
INSSA1 gene;
sequence variation
name of component: insulin synthesis associated 1
[NPU34988](#)
DNA(spec.)—INSSA1 gene; seq.var. = ?

DNA(specification)—
INSSA2 gene;
sequence variation
name of component: insulin synthesis associated 2
[NPU34989](#)
DNA(spec.)—INSSA2 gene; seq.var. = ?

DNA(specification)—
INSSA3 gene;
sequence variation
name of component: insulin synthesis associated 3
[NPU34990](#)
DNA(spec.)—INSSA3 gene; seq.var. = ?

DNA(specification)—
INVS gene;
sequence variation
name of component: inversin
[NPU46155](#)
DNA(spec.)—INVS gene; seq.var. = ?

DNA(specification)—
IOSCA gene;
sequence variation
name of component: infantile onset spinocerebellar ataxia (autosomal recessive)
[NPU34992](#)
DNA(spec.)—IOSCA gene; seq.var. = ?

DNA(specification)—
IP1 gene;
sequence variation
name of component: incontinentia pigmenti 1 (sporadic, associated with X chromosome rearrangements)
[NPU34993](#)
DNA(spec.)—IP1 gene; seq.var. = ?

DNA(specification)—
IP2 gene;
sequence variation
name of component: incontinentia pigmenti 2 (familial, male-lethal type)
[NPU34994](#)
DNA(spec.)—IP2 gene; seq.var. = ?

DNA(specification)—
IPF1 gene;
sequence variation
name of component: insulin promoter factor 1, homeodomain transcription factor
[NPU19255](#)
DNA(spec.)—IPF1 gene; seq.var. = ?

DNA(specification)—**IPO11 gene;****sequence variation**

name of component: importin 11

[NPU47688](#)

DNA(spec.)—IPO11 gene; seq.var. = ?

DNA(specification)—**IPO13 gene;****sequence variation**

name of component: importin 13

[NPU44741](#)

DNA(spec.)—IPO13 gene; seq.var. = ?

DNA(specification)—**IPO4 gene;****sequence variation**

name of component: importin 4

[NPU47032](#)

DNA(spec.)—IPO4 gene; seq.var. = ?

DNA(specification)—**IPO7 gene;****sequence variation**

name of component: importin 7

[NPU39088](#)

DNA(spec.)—IPO7 gene; seq.var. = ?

DNA(specification)—**IPO8 gene;****sequence variation**

name of component: importin 8

[NPU39089](#)

DNA(spec.)—IPO8 gene; seq.var. = ?

DNA(specification)—**IPO9 gene;****sequence variation**

name of component: importin 9

[NPU47031](#)

DNA(spec.)—IPO9 gene; seq.var. = ?

DNA(specification)—**IPP gene;****sequence variation**

name of component: intracisternal A particle-promoted polypeptide

[NPU34996](#)

DNA(spec.)—IPP gene; seq.var. = ?

DNA(specification)—**IPW gene;****sequence variation**

name of component: imprinted in Prader-Willi syndrome

[NPU34997](#)

DNA(spec.)—IPW gene; seq.var. = ?

DNA(specification)—**IQGAP1 gene;****sequence variation**

name of component: IQ motif containing GTPase activating protein 1

[NPU34998](#)

DNA(spec.)—IQGAP1 gene; seq.var. = ?

DNA(specification)—**IQGAP2 gene;****sequence variation**

name of component: IQ motif containing GTPase activating protein 2

[NPU34999](#)

DNA(spec.)—IQGAP2 gene; seq.var. = ?

DNA(specification)—**IRAK1 gene;****sequence variation**

name of component: interleukin-1 receptor-associated kinase 1

[NPU36000](#)

DNA(spec.)—IRAK1 gene; seq.var. = ?

DNA(specification)—**IRAK2 gene;****sequence variation**

name of component: interleukin-1 receptor-associated kinase 2

[NPU36001](#)

DNA(spec.)—IRAK2 gene; seq.var. = ?

DNA(specification)—**IRAK3 gene;****sequence variation**

name of component: interleukin-1 receptor-associated kinase 3

[NPU44814](#)

DNA(spec.)—IRAK3 gene; seq.var. = ?

DNA(specification)—**IRAK4 gene;****sequence variation**

name of component: interleukin-1 receptor-associated kinase 4

[NPU46199](#)

DNA(spec.)—IRAK4 gene; seq.var. = ?

DNA(specification)—**IREB2 gene;****sequence variation**

name of component: iron-responsive element binding protein 2

[NPU36002](#)

DNA(spec.)—IREB2 gene; seq.var. = ?

DNA(specification)—
IRF1 gene;
sequence variation
name of component: interferon regulatory factor 1
[NPU36003](#)
DNA(spec.)—IRF1 gene; seq.var. = ?

DNA(specification)—
IRF2 gene;
sequence variation
name of component: interferon regulatory factor 2
[NPU36004](#)
DNA(spec.)—IRF2 gene; seq.var. = ?

DNA(specification)—
IRF3 gene;
sequence variation
name of component: interferon regulatory factor 3
[NPU36005](#)
DNA(spec.)—IRF3 gene; seq.var. = ?

DNA(specification)—
IRF4 gene;
sequence variation
name of component: interferon regulatory factor 4
[NPU36006](#)
DNA(spec.)—IRF4 gene; seq.var. = ?

DNA(specification)—
IRF5 gene;
sequence variation
name of component: interferon regulatory factor 5
[NPU36007](#)
DNA(spec.)—IRF5 gene; seq.var. = ?

DNA(specification)—
IRF6 gene;
sequence variation
name of component: interferon regulatory factor 6
[NPU36008](#)
DNA(spec.)—IRF6 gene; seq.var. = ?

DNA(specification)—
IRF7 gene;
sequence variation
name of component: interferon regulatory factor 7
[NPU36009](#)
DNA(spec.)—IRF7 gene; seq.var. = ?

DNA(specification)—
IRS1 gene;
sequence variation
name of component: insulin receptor substrate 1
[NPU36010](#)
DNA(spec.)—IRS1 gene; seq.var. = ?

DNA(specification)—
IRS2 gene;
sequence variation
name of component: insulin receptor substrate 2
[NPU36011](#)
DNA(spec.)—IRS2 gene; seq.var. = ?

DNA(specification)—
IRS3L gene;
sequence variation
name of component: insulin receptor substrate 3-like
[NPU36012](#)
DNA(spec.)—IRS3L gene; seq.var. = ?

DNA(specification)—
IRS4 gene;
sequence variation
name of component: insulin receptor substrate 4
[NPU36013](#)
DNA(spec.)—IRS4 gene; seq.var. = ?

DNA(specification)—
IRX1 gene;
sequence variation
name of component: iroquois homeobox protein 1
[NPU42696](#)
DNA(spec.)—IRX1 gene; seq.var. = ?

DNA(specification)—
IRX2 gene;
sequence variation
name of component: iroquois homeobox protein 2
[NPU42697](#)
DNA(spec.)—IRX2 gene; seq.var. = ?

DNA(specification)—
IRX3 gene;
sequence variation
name of component: iroquois homeobox protein 3
[NPU42698](#)
DNA(spec.)—IRX3 gene; seq.var. = ?

DNA(specification)—
IRX4 gene;
sequence variation
name of component: iroquois homeobox protein 4
[NPU36014](#)
DNA(spec.)—IRX4 gene; seq.var. = ?

DNA(specification)—
IRX5 gene;
sequence variation
name of component: iroquois homeobox protein 5
[NPU42699](#)
DNA(spec.)—IRX5 gene; seq.var. = ?

DNA(specification)—**IRX6 gene;****sequence variation**

name of component: iroquois homeobox protein 6

[NPU42938](#)

DNA(spec.)—IRX6 gene; seq.var. = ?

DNA(specification)—**ISG20 gene;****sequence variation**

name of component: interferon stimulated gene 20 kDa

[NPU36015](#)

DNA(spec.)—ISG20 gene; seq.var. = ?

DNA(specification)—**ISGF3G gene;****sequence variation**

name of component: interferon-stimulated transcription factor 3, gamma 48 kDa

[NPU36016](#)

DNA(spec.)—ISGF3G gene; seq.var. = ?

DNA(specification)—**ISL1 gene;****sequence variation**

name of component: ISL1 transcription factor, LIM/homeodomain, (islet-1)

[NPU36017](#)

DNA(spec.)—ISL1 gene; seq.var. = ?

DNA(specification)—**ISL2 gene;****sequence variation**

name of component: ISL2 transcription factor, LIM/homeodomain, (islet-2)

[NPU46513](#)

DNA(spec.)—ISL2 gene; seq.var. = ?

DNA(specification)—**ISLR gene;****sequence variation**

name of component: immunoglobulin superfamily containing leucine-rich repeat

[NPU36018](#)

DNA(spec.)—ISLR gene; seq.var. = ?

DNA(specification)—**ITCH gene;****sequence variation**

name of component: itchy homolog E3 ubiquitin protein ligase (mouse)

[NPU42376](#)

DNA(spec.)—ITCH gene; seq.var. = ?

DNA(specification)—**ITGA1 gene;****sequence variation**

name of component: integrin, alpha 1

[NPU36019](#)

DNA(spec.)—ITGA1 gene; seq.var. = ?

DNA(specification)—**ITGA10 gene;****sequence variation**

name of component: integrin, alpha 10

[NPU36020](#)

DNA(spec.)—ITGA10 gene; seq.var. = ?

DNA(specification)—**ITGA11 gene;****sequence variation**

name of component: integrin, alpha 11

[NPU36021](#)

DNA(spec.)—ITGA11 gene; seq.var. = ?

DNA(specification)—**ITGA2 gene;****sequence variation**

name of component: integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor)

[NPU36022](#)

DNA(spec.)—ITGA2 gene; seq.var. = ?

DNA(specification)—**ITGA2B gene;****sequence variation**

name of component: integrin, alpha 2b (platelet glycoprotein IIb of IIb/IIIa complex, antigen CD41B)

[NPU19122](#)

DNA(spec.)—ITGA2B gene; seq.var. = ?

DNA(specification)—**ITGA3 gene;****sequence variation**

name of component: integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor)

[NPU36023](#)

DNA(spec.)—ITGA3 gene; seq.var. = ?

DNA(specification)—**ITGA4 gene;****sequence variation**

name of component: integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor)

[NPU36024](#)

DNA(spec.)—ITGA4 gene; seq.var. = ?

DNA(specification)—**ITGA5 gene;****sequence variation**

name of component: integrin, alpha 5 (fibronectin receptor, alpha polypeptide)

[NPU36025](#)

DNA(spec.)—ITGA5 gene; seq.var. = ?

DNA(specification)—**ITGA6 gene;****sequence variation**

name of component: integrin, alpha 6

[NPU36026](#)

DNA(spec.)—ITGA6 gene; seq.var. = ?

DNA(specification)—**ITGA7 gene;****sequence variation**

name of component: integrin, alpha 7

[NPU36027](#)

DNA(spec.)—ITGA7 gene; seq.var. = ?

DNA(specification)—**ITGA8 gene;****sequence variation**

name of component: integrin, alpha 8

[NPU36028](#)

DNA(spec.)—ITGA8 gene; seq.var. = ?

DNA(specification)—**ITGA9 gene;****sequence variation**

name of component: integrin, alpha 9

[NPU36029](#)

DNA(spec.)—ITGA9 gene; seq.var. = ?

DNA(specification)—**ITGAD gene;****sequence variation**

name of component: integrin, alpha D

[NPU36030](#)

DNA(spec.)—ITGAD gene; seq.var. = ?

DNA(specification)—**ITGAE gene;****sequence variation**

name of component: integrin, alpha E (antigen CD103, human mucosal lymphocyte antigen 1; alpha polypeptide)

[NPU36031](#)

DNA(spec.)—ITGAE gene; seq.var. = ?

DNA(specification)—**ITGAL gene;****sequence variation**

name of component: integrin, alpha L (antigen CD11A (p180), lymphocyte function-associated antigen 1; alpha polypeptide)

[NPU36032](#)

DNA(spec.)—ITGAL gene; seq.var. = ?

DNA(specification)—**ITGAM gene;****sequence variation**

name of component: integrin, alpha M (complement component receptor 3, alpha; also known as CD11b (p170), macrophage antigen alpha polypeptide)

[NPU36033](#)

DNA(spec.)—ITGAM gene; seq.var. = ?

DNA(specification)—**ITGAV gene;****sequence variation**

name of component: integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51)

[NPU36034](#)

DNA(spec.)—ITGAV gene; seq.var. = ?

DNA(specification)—**ITGAW gene;****sequence variation**

name of component: integrin, alpha W

[NPU36035](#)

DNA(spec.)—ITGAW gene; seq.var. = ?

DNA(specification)—**ITGAX gene;****sequence variation**

name of component: integrin, alpha X (antigen CD11C (p150), alpha polypeptide)

[NPU36036](#)

DNA(spec.)—ITGAX gene; seq.var. = ?

DNA(specification)—**ITGB1 gene;****sequence variation**

name of component: integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)

[NPU36037](#)

DNA(spec.)—ITGB1 gene; seq.var. = ?

DNA(specification)—**ITGB1BP2 gene;****sequence variation**

name of component: integrin beta 1 binding protein (melusin) 2

[NPU36038](#)

DNA(spec.)—ITGB1BP2 gene; seq.var. = ?

DNA(specification)—**ITGB2 gene;****sequence variation**

name of component: integrin, beta 2 (antigen CD18 (p95), lymphocyte function-associated antigen 1; macrophage antigen 1 (mac-1) beta subunit)

[NPU36039](#)

DNA(spec.)—ITGB2 gene; seq.var. = ?

DNA(specification)—**ITGB3 gene;****sequence variation**

name of component: integrin, beta 3 (platelet glycoprotein IIIa, antigen CD61)

[NPU36040](#)

DNA(spec.)—ITGB3 gene; seq.var. = ?

DNA(specification)—**ITGB3BP gene;****sequence variation**

name of component: integrin beta 3 binding protein (beta3-endonexin)

[NPU36041](#)

DNA(spec.)—ITGB3BP gene; seq.var. = ?

DNA(specification)—**ITGB4 gene;****sequence variation**

name of component: integrin, beta 4

[NPU36042](#)

DNA(spec.)—ITGB4 gene; seq.var. = ?

DNA(specification)—**ITGB4BP gene;****sequence variation**

name of component: integrin beta 4 binding protein

[NPU36043](#)

DNA(spec.)—ITGB4BP gene; seq.var. = ?

DNA(specification)—**ITGB5 gene;****sequence variation**

name of component: integrin, beta 5

[NPU36044](#)

DNA(spec.)—ITGB5 gene; seq.var. = ?

DNA(specification)—**ITGB6 gene;****sequence variation**

name of component: integrin, beta 6

[NPU36045](#)

DNA(spec.)—ITGB6 gene; seq.var. = ?

DNA(specification)—**ITGB7 gene;****sequence variation**

name of component: integrin, beta 7

[NPU36046](#)

DNA(spec.)—ITGB7 gene; seq.var. = ?

DNA(specification)—**ITGB8 gene;****sequence variation**

name of component: integrin, beta 8

[NPU36047](#)

DNA(spec.)—ITGB8 gene; seq.var. = ?

DNA(specification)—**ITGBL1 gene;****sequence variation**

name of component: integrin, beta-like 1 (with EGF-like repeat domains)

[NPU36048](#)

DNA(spec.)—ITGBL1 gene; seq.var. = ?

DNA(specification)—**ITIH1 gene;****sequence variation**

name of component: inter-alpha (globulin) inhibitor, H1 polypeptide

[NPU36049](#)

DNA(spec.)—ITIH1 gene; seq.var. = ?

DNA(specification)—**ITIH2 gene;****sequence variation**

name of component: inter-alpha (globulin) inhibitor, H2 polypeptide

[NPU36050](#)

DNA(spec.)—ITIH2 gene; seq.var. = ?

DNA(specification)—**ITIH3 gene;****sequence variation**

name of component: pre-alpha (globulin) inhibitor, H3 polypeptide

[NPU36051](#)

DNA(spec.)—ITIH3 gene; seq.var. = ?

DNA(specification)—**ITIH4 gene;****sequence variation**

name of component: inter-alpha (globulin) inhibitor H4 (plasma Kallikrein-sensitive glycoprotein)

[NPU36052](#)

DNA(spec.)—ITIH4 gene; seq.var. = ?

DNA(specification)—**ITK gene;****sequence variation**

name of component: IL2-inducible T-cell kinase

[NPU36053](#)

DNA(spec.)—ITK gene; seq.var. = ?

DNA(specification)—**ITLN1 gene;****sequence variation**

name of component: intelectin 1 (galactofuranose binding)

[NPU46364](#)

DNA(spec.)—ITLN1 gene; seq.var. = ?

DNA(specification)—**ITLN2 gene;****sequence variation**

name of component: intelectin 2

[NPU47672](#)

DNA(spec.)—ITLN2 gene; seq.var. = ?

DNA(specification)—**ITM1 gene;****sequence variation**

name of component: integral membrane protein 1

[NPU36054](#)

DNA(spec.)—ITM1 gene; seq.var. = ?

DNA(specification)—**ITM2A gene;****sequence variation**

name of component: integral membrane protein 2A

[NPU36055](#)

DNA(spec.)—ITM2A gene; seq.var. = ?

DNA(specification)—**ITM2B gene;****sequence variation**

name of component: integral membrane protein 2B

[NPU36056](#)

DNA(spec.)—ITM2B gene; seq.var. = ?

DNA(specification)—**ITM2C gene;****sequence variation**

name of component: integral membrane protein 2C

[NPU36057](#)

DNA(spec.)—ITM2C gene; seq.var. = ?

DNA(specification)—**ITPA gene;****sequence variation**

name of component: inosine triphosphatase (nucleoside triphosphate pyrophosphatase)

[NPU36058](#)

DNA(spec.)—ITPA gene; seq.var. = ?

DNA(specification)—**ITPK1 gene;****sequence variation**

name of component: inositol 1,3,4-triphosphate 5/6 kinase

[NPU36059](#)

DNA(spec.)—ITPK1 gene; seq.var. = ?

DNA(specification)—**ITPKA gene;****sequence variation**

name of component: inositol 1,4,5-trisphosphate 3-kinase A

[NPU36060](#)

DNA(spec.)—ITPKA gene; seq.var. = ?

DNA(specification)—**ITPKB gene;****sequence variation**

name of component: inositol 1,4,5-trisphosphate 3-kinase B

[NPU36061](#)

DNA(spec.)—ITPKB gene; seq.var. = ?

DNA(specification)—**ITPKC gene;****sequence variation**

name of component: inositol 1,4,5-trisphosphate 3-kinase C

[NPU43149](#)

DNA(spec.)—ITPKC gene; seq.var. = ?

DNA(specification)—**ITPR1 gene;****sequence variation**

name of component: inositol 1,4,5-triphosphate receptor, type 1

[NPU36062](#)

DNA(spec.)—ITPR1 gene; seq.var. = ?

DNA(specification)—**ITPR2 gene;****sequence variation**

name of component: inositol 1,4,5-triphosphate receptor, type 2

[NPU36063](#)

DNA(spec.)—ITPR2 gene; seq.var. = ?

DNA(specification)—**ITPR3 gene;****sequence variation**

name of component: inositol 1,4,5-triphosphate receptor, type 3

[NPU36064](#)

DNA(spec.)—ITPR3 gene; seq.var. = ?

DNA(specification)—**ITSN1 gene;****sequence variation**

name of component: intersectin 1 (SH3 domain protein)

[NPU36065](#)

DNA(spec.)—ITSN1 gene; seq.var. = ?

DNA(specification)—**ITSN2 gene;****sequence variation**

name of component: intersectin 2

[NPU36066](#)

DNA(spec.)—ITSN2 gene; seq.var. = ?

DNA(specification)—**IV gene;****sequence variation**

name of component: inversus situs, viscerum

[NPU36067](#)

DNA(spec.)—IV gene; seq.var. = ?

DNA(specification)—**IVD gene;****sequence variation**

name of component: isovaleryl Coenzyme A dehydrogenase

[NPU36068](#)

DNA(spec.)—IVD gene; seq.var. = ?

DNA(specification)—**IVL gene;****sequence variation**

name of component: involucrin

[NPU36069](#)

DNA(spec.)—IVL gene; seq.var. = ?

DNA(specification)—**IVNS1ABP gene;****sequence variation**

name of component: influenza virus NS1A binding protein

[NPU44789](#)

DNA(spec.)—IVNS1ABP gene; seq.var. = ?

DNA(specification)—**JAG1 gene;****sequence variation**

name of component: jagged 1 (Alagille syndrome)

[NPU36070](#)

DNA(spec.)—JAG1 gene; seq.var. = ?

DNA(specification)—**JAG2 gene;****sequence variation**

name of component: jagged 2

[NPU36071](#)

DNA(spec.)—JAG2 gene; seq.var. = ?

DNA(specification)—**JAK1 gene;****sequence variation**

name of component: Janus kinase 1 (a protein tyrosine kinase)

[NPU36072](#)

DNA(spec.)—JAK1 gene; seq.var. = ?

DNA(specification)—**JAK2 gene;****sequence variation**

name of component: Janus kinase 2 (a protein tyrosine kinase)

[NPU36073](#)

DNA(spec.)—JAK2 gene; seq.var. = ?

DNA(specification)—**JAK3 gene;****sequence variation**

name of component: Janus kinase 3 (a protein tyrosine kinase, leukocyte)

[NPU36074](#)

DNA(spec.)—JAK3 gene; seq.var. = ?

DNA(specification)—**JAM2 gene;****sequence variation**

name of component: junctional adhesion molecule 2

[NPU42948](#)

DNA(spec.)—JAM2 gene; seq.var. = ?

DNA(specification)—**JAM3 gene;****sequence variation**

name of component: junctional adhesion molecule 3

[NPU43725](#)

DNA(spec.)—JAM3 gene; seq.var. = ?

DNA(specification)—**JBS gene;****sequence variation**

name of component: Jacobsen syndrome

[NPU36075](#)

DNA(spec.)—JBS gene; seq.var. = ?

DNA(specification)—**JBTS1 gene;****sequence variation**

name of component: Joubert syndrome 1

[NPU47861](#)

DNA(spec.)—JBTS1 gene; seq.var. = ?

DNA(specification)—**JMJ gene;****sequence variation**

name of component: jumonji homolog (mouse)

[NPU36076](#)

DNA(spec.)—JMJ gene; seq.var. = ?

DNA(specification)—**JMJD1 gene;****sequence variation**

name of component: jumonji domain containing 1

[NPU47770](#)

DNA(spec.)—JMJD1 gene; seq.var. = ?

DNA(specification)—**JMS gene;****sequence variation**

name of component: Juberg-Marsidi syndrome

[NPU36077](#)

DNA(spec.)—JMS gene; seq.var. = ?

DNA(specification)—
JPD gene;
sequence variation
name of component: juvenile periodontitis
[NPU36078](#)
DNA(spec.)—JPD gene; seq.var. = ?

DNA(specification)—
JPH1 gene;
sequence variation
name of component: juncophilin 1
[NPU42587](#)
DNA(spec.)—JPH1 gene; seq.var. = ?

DNA(specification)—
JPH2 gene;
sequence variation
name of component: juncophilin 2
[NPU42588](#)
DNA(spec.)—JPH2 gene; seq.var. = ?

DNA(specification)—
JPH3 gene;
sequence variation
name of component: juncophilin 3
[NPU42589](#)
DNA(spec.)—JPH3 gene; seq.var. = ?

DNA(specification)—
JPHL1 gene;
sequence variation
name of component: juncophilin like 1
[NPU47457](#)
DNA(spec.)—JPHL1 gene; seq.var. = ?

DNA(specification)—
JRK gene;
sequence variation
name of component: jerky homolog (mouse)
[NPU36079](#)
DNA(spec.)—JRK gene; seq.var. = ?

DNA(specification)—
JRKL gene;
sequence variation
name of component: jerky homolog-like (mouse)
[NPU36080](#)
DNA(spec.)—JRKL gene; seq.var. = ?

DNA(specification)—
JTB gene;
sequence variation
name of component: jumping translocation break-point
[NPU36081](#)
DNA(spec.)—JTB gene; seq.var. = ?

DNA(specification)—
JTK5A gene;
sequence variation
name of component: JTK5A protein tyrosine kinase
[NPU36082](#)
DNA(spec.)—JTK5A gene; seq.var. = ?

DNA(specification)—
JTK5B gene;
sequence variation
name of component: JTK5B protein tyrosine kinase
[NPU36083](#)
DNA(spec.)—JTK5B gene; seq.var. = ?

DNA(specification)—
JUB gene;
sequence variation
name of component: jub, ajuba homolog (Xenopus laevis)
[NPU47515](#)
DNA(spec.)—JUB gene; seq.var. = ?

DNA(specification)—
JUN gene;
sequence variation
name of component: v-jun sarcoma virus 17 oncogene homolog (avian)
[NPU36084](#)
DNA(spec.)—JUN gene; seq.var. = ?

DNA(specification)—
JUNB gene;
sequence variation
name of component: jun B proto-oncogene
[NPU36085](#)
DNA(spec.)—JUNB gene; seq.var. = ?

DNA(specification)—
JUND gene;
sequence variation
name of component: jun D proto-oncogene
[NPU36086](#)
DNA(spec.)—JUND gene; seq.var. = ?

DNA(specification)—
JUP gene;
sequence variation
name of component: junction plakoglobin
[NPU36087](#)
DNA(spec.)—JUP gene; seq.var. = ?

DNA(specification)—
K12T gene;
sequence variation
name of component: K12 temperature sensitivity complementing
[NPU36088](#)
DNA(spec.)—K12T gene; seq.var. = ?

DNA(specification)—**KAI1 gene;****sequence variation**

name of component: kangai 1 (suppression of tumorigenicity 6, prostate; CD82 antigen (R2 leukocyte antigen, antigen detected by monoclonal and antibody IA4))

[NPU36089](#)

DNA(spec.)—KAI1 gene; seq.var. = ?

DNA(specification)—**KAL1 gene;****sequence variation**

name of component: Kallmann syndrome 1 sequence

[NPU36090](#)

DNA(spec.)—KAL1 gene; seq.var. = ?

DNA(specification)—**KAL2 gene;****sequence variation**

name of component: Kallmann syndrome 2 (autosomal dominant)

[NPU19123](#)

DNA(spec.)—KAL2 gene; seq.var. = ?

DNA(specification)—**KAL3 gene;****sequence variation**

name of component: Kallmann syndrome 3 (autosomal dominant)

[NPU36091](#)

DNA(spec.)—KAL3 gene; seq.var. = ?

DNA(specification)—**KALP gene;****sequence variation**

name of component: Kallmann syndrome sequence pseudogene

[NPU36092](#)

DNA(spec.)—KALP gene; seq.var. = ?

DNA(specification)—**KARS gene;****sequence variation**

name of component: lysyl-tRNA synthetase

[NPU36093](#)

DNA(spec.)—KARS gene; seq.var. = ?

DNA(specification)—**KATNA1 gene;****sequence variation**

name of component: katanin p60 (ATPase-containing) subunit A 1

[NPU36094](#)

DNA(spec.)—KATNA1 gene; seq.var. = ?

DNA(specification)—**KATNB1 gene;****sequence variation**

name of component: katanin p80 (WD repeat containing) subunit B 1

[NPU36095](#)

DNA(spec.)—KATNB1 gene; seq.var. = ?

DNA(specification)—**KCNA1 gene;****sequence variation**

name of component: potassium voltage-gated channel, shaker-related subfamily, member 1 (episodic ataxia with myokymia)

[NPU36096](#)

DNA(spec.)—KCNA1 gene; seq.var. = ?

DNA(specification)—**KCNA10 gene;****sequence variation**

name of component: potassium voltage-gated channel, shaker-related subfamily, member 10

[NPU36097](#)

DNA(spec.)—KCNA10 gene; seq.var. = ?

DNA(specification)—**KCNA2 gene;****sequence variation**

name of component: potassium voltage-gated channel, shaker-related subfamily, member 2

[NPU36098](#)

DNA(spec.)—KCNA2 gene; seq.var. = ?

DNA(specification)—**KCNA3 gene;****sequence variation**

name of component: potassium voltage-gated channel, shaker-related subfamily, member 3

[NPU36099](#)

DNA(spec.)—KCNA3 gene; seq.var. = ?

DNA(specification)—**KCNA4 gene;****sequence variation**

name of component: potassium voltage-gated channel, shaker-related subfamily, member 4

[NPU36100](#)

DNA(spec.)—KCNA4 gene; seq.var. = ?

DNA(specification)—**KCNA5 gene;****sequence variation**

name of component: potassium voltage-gated channel, shaker-related subfamily, member 5

[NPU36101](#)

DNA(spec.)—KCNA5 gene; seq.var. = ?

DNA(specification)—**KCNA6 gene;****sequence variation**

name of component: potassium voltage-gated channel, shaker-related subfamily, member 6

[NPU36102](#)

DNA(spec.)—KCNA6 gene; seq.var. = ?

DNA(specification)—**KCNA7 gene;****sequence variation**

name of component: potassium voltage-gated channel, shaker-related subfamily, member 7

[NPU36103](#)

DNA(spec.)—KCNA7 gene; seq.var. = ?

DNA(specification)—**KCNAB1 gene;****sequence variation**

name of component: potassium voltage-gated channel, shaker-related subfamily, beta member 1

[NPU36104](#)

DNA(spec.)—KCNAB1 gene; seq.var. = ?

DNA(specification)—**KCNAB2 gene;****sequence variation**

name of component: potassium voltage-gated channel, shaker-related subfamily, beta member 2

[NPU36105](#)

DNA(spec.)—KCNAB2 gene; seq.var. = ?

DNA(specification)—**KCNAB3 gene;****sequence variation**

name of component: potassium voltage-gated channel, shaker-related subfamily, beta member 3

[NPU36106](#)

DNA(spec.)—KCNAB3 gene; seq.var. = ?

DNA(specification)—**KCNB1 gene;****sequence variation**

name of component: potassium voltage-gated channel, Shab-related subfamily, member 1

[NPU36107](#)

DNA(spec.)—KCNB1 gene; seq.var. = ?

DNA(specification)—**KCNB2 gene;****sequence variation**

name of component: potassium voltage-gated channel, Shab-related subfamily, member 2

[NPU36108](#)

DNA(spec.)—KCNB2 gene; seq.var. = ?

DNA(specification)—**KCNC1 gene;****sequence variation**

name of component: potassium voltage-gated channel, Shaw-related subfamily, member 1

[NPU36109](#)

DNA(spec.)—KCNC1 gene; seq.var. = ?

DNA(specification)—**KCNC2 gene;****sequence variation**

name of component: potassium voltage-gated channel, Shaw-related subfamily, member 2

[NPU36110](#)

DNA(spec.)—KCNC2 gene; seq.var. = ?

DNA(specification)—**KCNC3 gene;****sequence variation**

name of component: potassium voltage-gated channel, Shaw-related subfamily, member 3

[NPU36111](#)

DNA(spec.)—KCNC3 gene; seq.var. = ?

DNA(specification)—**KCNC4 gene;****sequence variation**

name of component: potassium voltage-gated channel, Shaw-related subfamily, member 4

[NPU36112](#)

DNA(spec.)—KCNC4 gene; seq.var. = ?

DNA(specification)—**KCND1 gene;****sequence variation**

name of component: potassium voltage-gated channel, Shal-related subfamily, member 1

[NPU36113](#)

DNA(spec.)—KCND1 gene; seq.var. = ?

DNA(specification)—**KCND2 gene;****sequence variation**

name of component: potassium voltage-gated channel, Shal-related subfamily, member 2

[NPU36114](#)

DNA(spec.)—KCND2 gene; seq.var. = ?

DNA(specification)—**KCND3 gene;****sequence variation**

name of component: potassium voltage-gated channel, Shal-related subfamily, member 3

[NPU36115](#)

DNA(spec.)—KCND3 gene; seq.var. = ?

DNA(specification)—**KCNE1 gene;****sequence variation**

name of component: potassium voltage-gated channel, Isk-related family, member 1

[NPU36116](#)

DNA(spec.)—KCNE1 gene; seq.var. = ?

DNA(specification)—**KCNE1L gene;****sequence variation**

name of component: potassium voltage-gated channel, Isk-related family, member 1-like

[NPU36117](#)

DNA(spec.)—KCNE1L gene; seq.var. = ?

DNA(specification)—**KCNE2 gene;****sequence variation**

name of component: potassium voltage-gated channel, Isk-related family, member 2

[NPU36118](#)

DNA(spec.)—KCNE2 gene; seq.var. = ?

DNA(specification)—**KCNE3 gene;****sequence variation**

name of component: potassium voltage-gated channel, Isk-related family, member 3

[NPU36119](#)

DNA(spec.)—KCNE3 gene; seq.var. = ?

DNA(specification)—**KCNE4 gene;****sequence variation**

name of component: potassium voltage-gated channel, Isk-related family, member 4

[NPU36120](#)

DNA(spec.)—KCNE4 gene; seq.var. = ?

DNA(specification)—**KCNF1 gene;****sequence variation**

name of component: potassium voltage-gated channel, subfamily F, member 1

[NPU36121](#)

DNA(spec.)—KCNF1 gene; seq.var. = ?

DNA(specification)—**KCNG1 gene;****sequence variation**

name of component: potassium voltage-gated channel, subfamily G, member 1

[NPU36122](#)

DNA(spec.)—KCNG1 gene; seq.var. = ?

DNA(specification)—**KCNG2 gene;****sequence variation**

name of component: potassium voltage-gated channel, subfamily G, member 2

[NPU36123](#)

DNA(spec.)—KCNG2 gene; seq.var. = ?

DNA(specification)—**KCNG3 gene;****sequence variation**

name of component: potassium voltage-gated channel, subfamily G, member 3

[NPU46392](#)

DNA(spec.)—KCNG3 gene; seq.var. = ?

DNA(specification)—**KCNG4 gene;****sequence variation**

name of component: potassium voltage-gated channel, subfamily G, member 4

[NPU47157](#)

DNA(spec.)—KCNG4 gene; seq.var. = ?

DNA(specification)—**KCNH1 gene;****sequence variation**

name of component: potassium voltage-gated channel, subfamily H (eag-related), member 1

[NPU36124](#)

DNA(spec.)—KCNH1 gene; seq.var. = ?

DNA(specification)—**KCNH2 gene;****sequence variation**

name of component: potassium voltage-gated channel, subfamily H (eag-related), member 2

[NPU36125](#)

DNA(spec.)—KCNH2 gene; seq.var. = ?

DNA(specification)—**KCNH3 gene;****sequence variation**

name of component: potassium voltage-gated channel, subfamily H (eag-related), member 3

[NPU36126](#)

DNA(spec.)—KCNH3 gene; seq.var. = ?

DNA(specification)—**KCNH4 gene;****sequence variation**

name of component: potassium voltage-gated channel, subfamily H (eag-related), member 4

[NPU36127](#)

DNA(spec.)—KCNH4 gene; seq.var. = ?

DNA(specification)—**KCNH5 gene;****sequence variation**

name of component: potassium voltage-gated channel, subfamily H (eag-related), member 5

[NPU36128](#)

DNA(spec.)—KCNH5 gene; seq.var. = ?

DNA(specification)—**KCNH6 gene;****sequence variation**

name of component: potassium voltage-gated channel, subfamily H (eag-related), member 6

[NPU46712](#)

DNA(spec.)—KCNH6 gene; seq.var. = ?

DNA(specification)—**KCNH7 gene;****sequence variation**

name of component: potassium voltage-gated channel, subfamily H (eag-related), member 7

[NPU46713](#)

DNA(spec.)—KCNH7 gene; seq.var. = ?

DNA(specification)—**KCNH8 gene;****sequence variation**

name of component: potassium voltage-gated channel, subfamily H (eag-related), member 8

[NPU46714](#)

DNA(spec.)—KCNH8 gene; seq.var. = ?

DNA(specification)—**KCNIP1 gene;****sequence variation**

name of component: Kv channel interacting protein 1

[NPU43718](#)

DNA(spec.)—KCNIP1 gene; seq.var. = ?

DNA(specification)—**KCNIP2 gene;****sequence variation**

name of component: Kv channel interacting protein 2

[NPU43719](#)

DNA(spec.)—KCNIP2 gene; seq.var. = ?

DNA(specification)—**KCNJ1 gene;****sequence variation**

name of component: potassium inwardly-rectifying channel, subfamily J, member 1

[NPU36129](#)

DNA(spec.)—KCNJ1 gene; seq.var. = ?

DNA(specification)—**KCNJ10 gene;****sequence variation**

name of component: potassium inwardly-rectifying channel, subfamily J, member 10

[NPU36130](#)

DNA(spec.)—KCNJ10 gene; seq.var. = ?

DNA(specification)—**KCNJ11 gene;****sequence variation**

name of component: potassium inwardly-rectifying channel, subfamily J, member 11

[NPU19256](#)

DNA(spec.)—KCNJ11 gene; seq.var. = ?

DNA(specification)—**KCNJ12 gene;****sequence variation**

name of component: potassium inwardly-rectifying channel, subfamily J, member 12

[NPU36131](#)

DNA(spec.)—KCNJ12 gene; seq.var. = ?

DNA(specification)—**KCNJ13 gene;****sequence variation**

name of component: potassium inwardly-rectifying channel, subfamily J, member 13

[NPU36132](#)

DNA(spec.)—KCNJ13 gene; seq.var. = ?

DNA(specification)—**KCNJ14 gene;****sequence variation**

name of component: potassium inwardly-rectifying channel, subfamily J, member 14

[NPU36133](#)

DNA(spec.)—KCNJ14 gene; seq.var. = ?

DNA(specification)—**KCNJ15 gene;****sequence variation**

name of component: potassium inwardly-rectifying channel, subfamily J, member 15

[NPU36134](#)

DNA(spec.)—KCNJ15 gene; seq.var. = ?

DNA(specification)—**KCNJ16 gene;****sequence variation**

name of component: potassium inwardly-rectifying channel, subfamily J, member 16

[NPU36135](#)

DNA(spec.)—KCNJ16 gene; seq.var. = ?

DNA(specification)—**KCNJ2 gene;****sequence variation**

name of component: potassium inwardly-rectifying channel, subfamily J, member 2

[NPU36136](#)

DNA(spec.)—KCNJ2 gene; seq.var. = ?

DNA(specification)—**KCNJ3 gene;****sequence variation**

name of component: potassium inwardly-rectifying channel, subfamily J, member 3

[NPU36137](#)

DNA(spec.)—KCNJ3 gene; seq.var. = ?

DNA(specification)—**KCNJ4 gene;****sequence variation**

name of component: potassium inwardly-rectifying channel, subfamily J, member 4

[NPU36138](#)

DNA(spec.)—KCNJ4 gene; seq.var. = ?

DNA(specification)—**KCNJ5 gene;****sequence variation**

name of component: potassium inwardly-rectifying channel, subfamily J, member 5

[NPU36139](#)

DNA(spec.)—KCNJ5 gene; seq.var. = ?

DNA(specification)—**KCNJ6 gene;****sequence variation**

name of component: potassium inwardly-rectifying channel, subfamily J, member 6

[NPU36140](#)

DNA(spec.)—KCNJ6 gene; seq.var. = ?

DNA(specification)—**KCNJ8 gene;****sequence variation**

name of component: potassium inwardly-rectifying channel, subfamily J, member 8

[NPU36141](#)

DNA(spec.)—KCNJ8 gene; seq.var. = ?

DNA(specification)—**KCNJ9 gene;****sequence variation**

name of component: potassium inwardly-rectifying channel, subfamily J, member 9

[NPU36142](#)

DNA(spec.)—KCNJ9 gene; seq.var. = ?

DNA(specification)—**KCNJN1 gene;****sequence variation**

name of component: potassium inwardly-rectifying channel, subfamily J, inhibitor 1

[NPU36143](#)

DNA(spec.)—KCNJN1 gene; seq.var. = ?

DNA(specification)—**KCNK1 gene;****sequence variation**

name of component: potassium channel, subfamily K, member 1

[NPU36144](#)

DNA(spec.)—KCNK1 gene; seq.var. = ?

DNA(specification)—**KCNK10 gene;****sequence variation**

name of component: potassium channel, subfamily K, member 10

[NPU36145](#)

DNA(spec.)—KCNK10 gene; seq.var. = ?

DNA(specification)—**KCNK12 gene;****sequence variation**

name of component: potassium channel, subfamily K, member 12

[NPU36146](#)

DNA(spec.)—KCNK12 gene; seq.var. = ?

DNA(specification)—**KCNK13 gene;****sequence variation**

name of component: potassium channel, subfamily K, member 13

[NPU36147](#)

DNA(spec.)—KCNK13 gene; seq.var. = ?

DNA(specification)—**KCNK15 gene;****sequence variation**

name of component: potassium channel, subfamily K, member 15

[NPU42336](#)

DNA(spec.)—KCNK15 gene; seq.var. = ?

DNA(specification)—**KCNK16 gene;****sequence variation**

name of component: potassium channel, subfamily K, member 16

[NPU42778](#)

DNA(spec.)—KCNK16 gene; seq.var. = ?

DNA(specification)—**KCNK17 gene;****sequence variation**

name of component: potassium channel, subfamily K, member 17

[NPU42779](#)

DNA(spec.)—KCNK17 gene; seq.var. = ?

DNA(specification)—**KCNK2 gene;****sequence variation**

name of component: potassium channel, subfamily K, member 2

[NPU36148](#)

DNA(spec.)—KCNK2 gene; seq.var. = ?

DNA(specification)—**KCNK3 gene;****sequence variation**

name of component: potassium channel, subfamily K, member 3

[NPU36149](#)

DNA(spec.)—KCNK3 gene; seq.var. = ?

DNA(specification)—**KCNK4 gene;****sequence variation**

name of component: potassium channel, subfamily K, member 4

[NPU36150](#)

DNA(spec.)—KCNK4 gene; seq.var. = ?

DNA(specification)—**KCNK5 gene;****sequence variation**

name of component: potassium channel, subfamily K, member 5

[NPU36151](#)

DNA(spec.)—KCNK5 gene; seq.var. = ?

DNA(specification)—**KCNK6 gene;****sequence variation**

name of component: potassium channel, subfamily K, member 6

[NPU36152](#)

DNA(spec.)—KCNK6 gene; seq.var. = ?

DNA(specification)—**KCNK7 gene;****sequence variation**

name of component: potassium channel, subfamily K, member 7

[NPU36153](#)

DNA(spec.)—KCNK7 gene; seq.var. = ?

DNA(specification)—**KCNK9 gene;****sequence variation**

name of component: potassium channel, subfamily K, member 9

[NPU36154](#)

DNA(spec.)—KCNK9 gene; seq.var. = ?

DNA(specification)—**KCNMA1 gene;****sequence variation**

name of component: potassium large conductance calcium-activated channel, subfamily M, alpha member 1

[NPU36155](#)

DNA(spec.)—KCNMA1 gene; seq.var. = ?

DNA(specification)—**KCNMB1 gene;****sequence variation**

name of component: potassium large conductance calcium-activated channel, subfamily M, beta member 1

[NPU36156](#)

DNA(spec.)—KCNMB1 gene; seq.var. = ?

DNA(specification)—**KCNMB2 gene;****sequence variation**

name of component: potassium large conductance calcium-activated channel, subfamily M, beta member 2

[NPU36157](#)

DNA(spec.)—KCNMB2 gene; seq.var. = ?

DNA(specification)—**KCNMB3 gene;****sequence variation**

name of component: potassium large conductance calcium-activated channel, subfamily M beta member 3

[NPU36158](#)

DNA(spec.)—KCNMB3 gene; seq.var. = ?

DNA(specification)—**KCNMB3L gene;****sequence variation**

name of component: potassium large conductance calcium-activated channel, subfamily M, beta member 3-like

[NPU36159](#)

DNA(spec.)—KCNMB3L gene; seq.var. = ?

DNA(specification)—**KCNMB4 gene;****sequence variation**

name of component: potassium large conductance calcium-activated channel, subfamily M, beta member 4

[NPU36160](#)

DNA(spec.)—KCNMB4 gene; seq.var. = ?

DNA(specification)—**KCNN1 gene;****sequence variation**

name of component: potassium intermediate/small conductance calcium-activated channel, subfamily N, member 1

[NPU36161](#)

DNA(spec.)—KCNN1 gene; seq.var. = ?

DNA(specification)—**KCNN2 gene;****sequence variation**

name of component: potassium intermediate/small conductance calcium-activated channel, subfamily N, member 2

[NPU36162](#)

DNA(spec.)—KCNN2 gene; seq.var. = ?

DNA(specification)—**KCNN3 gene;****sequence variation**

name of component: potassium intermediate/small conductance calcium-activated channel, subfamily N, member 3

[NPU36163](#)

DNA(spec.)—KCNN3 gene; seq.var. = ?

DNA(specification)—**KCNN4 gene;****sequence variation**

name of component: potassium intermediate/small conductance calcium-activated channel, subfamily N, member 4

[NPU36164](#)

DNA(spec.)—KCNN4 gene; seq.var. = ?

DNA(specification)—**KCNQ1 gene;****sequence variation**

name of component: potassium voltage-gated channel, KQT-like subfamily, member 1

[NPU36165](#)

DNA(spec.)—KCNQ1 gene; seq.var. = ?

DNA(specification)—**KCNQ1OT1 gene;****sequence variation**

name of component: KCNQ1 overlapping transcript 1

[NPU36166](#)

DNA(spec.)—KCNQ1OT1 gene; seq.var. = ?

DNA(specification)—**KCNQ2 gene;****sequence variation**

name of component: potassium voltage-gated channel, KQT-like subfamily, member 2

[NPU36167](#)

DNA(spec.)—KCNQ2 gene; seq.var. = ?

DNA(specification)—**KCNQ3 gene;****sequence variation**

name of component: potassium voltage-gated channel, KQT-like subfamily, member 3

[NPU36168](#)

DNA(spec.)—KCNQ3 gene; seq.var. = ?

DNA(specification)—**KCNQ4 gene;****sequence variation**

name of component: potassium voltage-gated channel, KQT-like subfamily, member 4

[NPU36169](#)

DNA(spec.)—KCNQ4 gene; seq.var. = ?

DNA(specification)—**KCNQ5 gene;****sequence variation**

name of component: potassium voltage-gated channel, KQT-like subfamily, member 5

[NPU36170](#)

DNA(spec.)—KCNQ5 gene; seq.var. = ?

DNA(specification)—**KCNRG gene;****sequence variation**

name of component: potassium channel regulator

[NPU46736](#)

DNA(spec.)—KCNRG gene; seq.var. = ?

DNA(specification)—**KCNS1 gene;****sequence variation**

name of component: potassium voltage-gated channel, delayed-rectifier, subfamily S, member 1

[NPU36171](#)

DNA(spec.)—KCNS1 gene; seq.var. = ?

DNA(specification)—**KCNS2 gene;****sequence variation**

name of component: potassium voltage-gated channel, delayed-rectifier, subfamily S, member 2

[NPU36172](#)

DNA(spec.)—KCNS2 gene; seq.var. = ?

DNA(specification)—**KCNS3 gene;****sequence variation**

name of component: potassium voltage-gated channel, delayed-rectifier, subfamily S, member 3

[NPU36173](#)

DNA(spec.)—KCNS3 gene; seq.var. = ?

DNA(specification)—**KCNT1 gene;****sequence variation**

name of component: potassium channel, subfamily T, member 1

[NPU46715](#)

DNA(spec.)—KCNT1 gene; seq.var. = ?

DNA(specification)—**KCNT2 gene;****sequence variation**

name of component: potassium channel, subfamily T, member 2

[NPU46716](#)

DNA(spec.)—KCNT2 gene; seq.var. = ?

DNA(specification)—**KCNU1 gene;****sequence variation**

name of component: potassium channel, subfamily U, member 1

[NPU46717](#)

DNA(spec.)—KCNU1 gene; seq.var. = ?

DNA(specification)—**KCNV1 gene;****sequence variation**

name of component: potassium channel, subfamily V, member 1

[NPU46711](#)

DNA(spec.)—KCNV1 gene; seq.var. = ?

DNA(specification)—**KCNV2 gene;****sequence variation**

name of component: potassium channel, subfamily V, member 2

[NPU47158](#)

DNA(spec.)—KCNV2 gene; seq.var. = ?

DNA(specification)—**KCS gene;****sequence variation**

name of component: Kenny-Caffey syndrome

[NPU36174](#)

DNA(spec.)—KCS gene; seq.var. = ?

DNA(specification)—**KCTD1 gene;****sequence variation**

name of component: potassium channel tetramerisation domain containing 1

[NPU46360](#)

DNA(spec.)—KCTD1 gene; seq.var. = ?

DNA(specification)—**KDELC1 gene;****sequence variation**

name of component: KDEL (Lys-Asp-Glu-Leu) containing 1

[NPU46987](#)

DNA(spec.)—KDELC1 gene; seq.var. = ?

DNA(specification)—**KDELR1 gene;****sequence variation**

name of component: KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 1

[NPU36175](#)

DNA(spec.)—KDELR1 gene; seq.var. = ?

DNA(specification)—**KDELR2 gene;****sequence variation**

name of component: KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2

[NPU36176](#)

DNA(spec.)—KDELR2 gene; seq.var. = ?

DNA(specification)—**KDELR3 gene;****sequence variation**

name of component: KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 3

[NPU36177](#)

DNA(spec.)—KDELR3 gene; seq.var. = ?

DNA(specification)—**KDR gene;****sequence variation**

name of component: kinase insert domain receptor (a type III receptor tyrosine kinase)

[NPU36178](#)

DNA(spec.)—KDR gene; seq.var. = ?

DNA(specification)—**KEL gene;****sequence variation**

name of component: Kell blood group

[NPU36179](#)

DNA(spec.)—KEL gene; seq.var. = ?

DNA(specification)—**KERA gene;****sequence variation**

name of component: keratocan

[NPU36180](#)

DNA(spec.)—KERA gene; seq.var. = ?

DNA(specification)—**KERSMCR gene;****sequence variation**

name of component: cytokeratin, Smith Magenis syndrome chromosome region

[NPU36181](#)

DNA(spec.)—KERSMCR gene; seq.var. = ?

DNA(specification)—**KFM gene;****sequence variation**

name of component: Klippel-Feil malformation

[NPU36182](#)

DNA(spec.)—KFM gene; seq.var. = ?

DNA(specification)—**KFSD gene;****sequence variation**

name of component: keratosis follicularis spinulosa decalvans

[NPU36183](#)

DNA(spec.)—KFSD gene; seq.var. = ?

DNA(specification)—**KHDRBS1 gene;****sequence variation**

name of component: KH domain containing, RNA binding, signal transduction associated 1

[NPU46304](#)

DNA(spec.)—KHDRBS1 gene; seq.var. = ?

DNA(specification)—**KHDRBS2 gene;****sequence variation**

name of component: KH domain containing, RNA binding, signal transduction associated 2

[NPU46302](#)

DNA(spec.)—KHDRBS2 gene; seq.var. = ?

DNA(specification)—**KHDRBS3 gene;****sequence variation**

name of component: KH domain containing, RNA binding, signal transduction associated 3

[NPU46305](#)

DNA(spec.)—KHDRBS3 gene; seq.var. = ?

DNA(specification)—**KHK gene;****sequence variation**

name of component: ketohexokinase (fructokinase)

[NPU36184](#)

DNA(spec.)—KHK gene; seq.var. = ?

DNA(specification)—**KHRBP1 gene;****sequence variation**

name of component: KH-type RNA binding protein 1

[NPU42915](#)

DNA(spec.)—KHRBP1 gene; seq.var. = ?

DNA(specification)—**KHSRP gene;****sequence variation**

name of component: KH-type splicing regulatory protein (FUSE binding protein 2)

[NPU36185](#)

DNA(spec.)—KHSRP gene; seq.var. = ?

DNA(specification)—**KIF11 gene;****sequence variation**

name of component: kinesin family member 11

[NPU36255](#)

DNA(spec.)—KIF11 gene; seq.var. = ?

DNA(specification)—**KIF13A gene;****sequence variation**

name of component: kinesin family member 13A

[NPU42867](#)

DNA(spec.)—KIF13A gene; seq.var. = ?

DNA(specification)—**KIF13B gene;****sequence variation**

name of component: kinesin family member 13B

[NPU42730](#)

DNA(spec.)—KIF13B gene; seq.var. = ?

DNA(specification)—**KIF14 gene;****sequence variation**

name of component: kinesin family member 14

[NPU46908](#)

DNA(spec.)—KIF14 gene; seq.var. = ?

DNA(specification)—**KIF17 gene;****sequence variation**

name of component: kinesin family member 17

[NPU46896](#)

DNA(spec.)—KIF17 gene; seq.var. = ?

DNA(specification)—**KIF1B gene;****sequence variation**

name of component: kinesin family member 1B

[NPU44608](#)

DNA(spec.)—KIF1B gene; seq.var. = ?

DNA(specification)—**KIF1C gene;****sequence variation**

name of component: kinesin family member 1C

[NPU36186](#)

DNA(spec.)—KIF1C gene; seq.var. = ?

DNA(specification)—**KIF2 gene;****sequence variation**

name of component: kinesin heavy chain member 2

[NPU36187](#)

DNA(spec.)—KIF2 gene; seq.var. = ?

DNA(specification)—**KIF20A gene;****sequence variation**

name of component: kinesin family member 20A

[NPU39033](#)

DNA(spec.)—KIF20A gene; seq.var. = ?

DNA(specification)—**KIF21A gene;****sequence variation**

name of component: kinesin family member 21A

[NPU46986](#)

DNA(spec.)—KIF21A gene; seq.var. = ?

DNA(specification)—**KIF22 gene;****sequence variation**

name of component: kinesin family member 22

[NPU36258](#)

DNA(spec.)—KIF22 gene; seq.var. = ?

DNA(specification)—**KIF23 gene;****sequence variation**

name of component: kinesin family member 23

[NPU36259](#)

DNA(spec.)—KIF23 gene; seq.var. = ?

DNA(specification)—**KIF24 gene;****sequence variation**

name of component: kinesin family member 24

[NPU47308](#)

DNA(spec.)—KIF24 gene; seq.var. = ?

DNA(specification)—**KIF25 gene;****sequence variation**

name of component: kinesin family member 25

[NPU36257](#)

DNA(spec.)—KIF25 gene; seq.var. = ?

DNA(specification)—**KIF26A gene;****sequence variation**

name of component: kinesin family member 26A

[NPU47500](#)

DNA(spec.)—KIF26A gene; seq.var. = ?

DNA(specification)—**KIF27 gene;****sequence variation**

name of component: kinesin family member 27

[NPU46585](#)

DNA(spec.)—KIF27 gene; seq.var. = ?

DNA(specification)—**KIF2C gene;****sequence variation**

name of component: kinesin family member 2C

[NPU36260](#)

DNA(spec.)—KIF2C gene; seq.var. = ?

DNA(specification)—**KIF3A gene;****sequence variation**

name of component: kinesin family member 3A

[NPU36188](#)

DNA(spec.)—KIF3A gene; seq.var. = ?

DNA(specification)—**KIF3B gene;****sequence variation**

name of component: kinesin family member 3B

[NPU36189](#)

DNA(spec.)—KIF3B gene; seq.var. = ?

DNA(specification)—**KIF3C gene;****sequence variation**

name of component: kinesin family member 3C

[NPU36190](#)

DNA(spec.)—KIF3C gene; seq.var. = ?

DNA(specification)—**KIF4A gene;****sequence variation**

name of component: kinesin family member 4A

[NPU42093](#)

DNA(spec.)—KIF4A gene; seq.var. = ?

DNA(specification)—**KIF4B gene;****sequence variation**

name of component: kinesin family member 4B

[NPU36191](#)

DNA(spec.)—KIF4B gene; seq.var. = ?

DNA(specification)—
KIF5A gene;
sequence variation
name of component: kinesin family member 5A
[NPU36192](#)
DNA(spec.)—KIF5A gene; seq.var. = ?

DNA(specification)—
KIF5B gene;
sequence variation
name of component: kinesin family member 5B
[NPU36193](#)
DNA(spec.)—KIF5B gene; seq.var. = ?

DNA(specification)—
KIF5C gene;
sequence variation
name of component: kinesin family member 5C
[NPU36194](#)
DNA(spec.)—KIF5C gene; seq.var. = ?

DNA(specification)—
KIF9 gene;
sequence variation
name of component: kinesin family member 9
[NPU44628](#)
DNA(spec.)—KIF9 gene; seq.var. = ?

DNA(specification)—
KIFAP3 gene;
sequence variation
name of component: kinesin-associated protein 3
[NPU44832](#)
DNA(spec.)—KIFAP3 gene; seq.var. = ?

DNA(specification)—
KIFC1 gene;
sequence variation
name of component: kinesin family member C1
[NPU36256](#)
DNA(spec.)—KIFC1 gene; seq.var. = ?

DNA(specification)—
KIFC3 gene;
sequence variation
name of component: kinesin family member C3
[NPU36195](#)
DNA(spec.)—KIFC3 gene; seq.var. = ?

DNA(specification)—
KIN gene;
sequence variation
name of component: KIN, antigenic determinant of
recA protein homolog (mouse)
[NPU36196](#)
DNA(spec.)—KIN gene; seq.var. = ?

DNA(specification)—
KIR2DL1 gene;
sequence variation
name of component: killer cell immunoglobulin-
like receptor, two domains, long cytoplasmic tail, 1
[NPU36197](#)
DNA(spec.)—KIR2DL1 gene; seq.var. = ?

DNA(specification)—
KIR2DL2 gene;
sequence variation
name of component: killer cell immunoglobulin-
like receptor, two domains, long cytoplasmic tail, 2
[NPU36198](#)
DNA(spec.)—KIR2DL2 gene; seq.var. = ?

DNA(specification)—
KIR2DL3 gene;
sequence variation
name of component: killer cell immunoglobulin-
like receptor, two domains, long cytoplasmic tail, 3
[NPU36199](#)
DNA(spec.)—KIR2DL3 gene; seq.var. = ?

DNA(specification)—
KIR2DL4 gene;
sequence variation
name of component: killer cell immunoglobulin-
like receptor, two domains, long cytoplasmic tail, 4
[NPU36200](#)
DNA(spec.)—KIR2DL4 gene; seq.var. = ?

DNA(specification)—
KIR2DS1 gene;
sequence variation
name of component: killer cell immunoglobulin-
like receptor, two domains, short cytoplasmic tail,
1
[NPU36201](#)
DNA(spec.)—KIR2DS1 gene; seq.var. = ?

DNA(specification)—
KIR2DS2 gene;
sequence variation
name of component: killer cell immunoglobulin-
like receptor, two domains, short cytoplasmic tail,
2
[NPU36202](#)
DNA(spec.)—KIR2DS2 gene; seq.var. = ?

DNA(specification)—
KIR2DS3 gene;
sequence variation
name of component: killer cell immunoglobulin-
like receptor, two domains, short cytoplasmic tail,
3
[NPU36203](#)
DNA(spec.)—KIR2DS3 gene; seq.var. = ?

DNA(specification)—**KIR2DS4 gene;****sequence variation**

name of component: killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 4

[NPU36204](#)

DNA(spec.)—KIR2DS4 gene; seq.var. = ?

DNA(specification)—**KIR2DS5 gene;****sequence variation**

name of component: killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 5

[NPU36205](#)

DNA(spec.)—KIR2DS5 gene; seq.var. = ?

DNA(specification)—**KIR3DL1 gene;****sequence variation**

name of component: killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 1

[NPU36206](#)

DNA(spec.)—KIR3DL1 gene; seq.var. = ?

DNA(specification)—**KIR3DL2 gene;****sequence variation**

name of component: killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 2

[NPU36207](#)

DNA(spec.)—KIR3DL2 gene; seq.var. = ?

DNA(specification)—**KIR3DS1 gene;****sequence variation**

name of component: killer cell immunoglobulin-like receptor, three domains, short cytoplasmic tail, 1

[NPU36208](#)

DNA(spec.)—KIR3DS1 gene; seq.var. = ?

DNA(specification)—**KIRREL gene;****sequence variation**

name of component: kin of IRRE like (Drosophila)

[NPU43859](#)

DNA(spec.)—KIRREL gene; seq.var. = ?

DNA(specification)—**KIRREL2 gene;****sequence variation**

name of component: kin of IRRE like 2 (Drosophila)

[NPU46679](#)

DNA(spec.)—KIRREL2 gene; seq.var. = ?

DNA(specification)—**KISS1 gene;****sequence variation**

name of component: KiSS-1 metastasis-suppressor

[NPU36209](#)

DNA(spec.)—KISS1 gene; seq.var. = ?

DNA(specification)—**KIT gene;****sequence variation**

name of component: v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog

[NPU36210](#)

DNA(spec.)—KIT gene; seq.var. = ?

DNA(specification)—**KITLG gene;****sequence variation**

name of component: KIT ligand

[NPU36211](#)

DNA(spec.)—KITLG gene; seq.var. = ?

DNA(specification)—**KL gene;****sequence variation**

name of component: klotho

[NPU36212](#)

DNA(spec.)—KL gene; seq.var. = ?

DNA(specification)—**KLF1 gene;****sequence variation**

name of component: Kruppel-like factor 1 (erythroid)

[NPU36213](#)

DNA(spec.)—KLF1 gene; seq.var. = ?

DNA(specification)—**KLF12 gene;****sequence variation**

name of component: Kruppel-like factor 12

[NPU36214](#)

DNA(spec.)—KLF12 gene; seq.var. = ?

DNA(specification)—**KLF13 gene;****sequence variation**

name of component: Kruppel-like factor 13

[NPU42263](#)

DNA(spec.)—KLF13 gene; seq.var. = ?

DNA(specification)—**KLF15 gene;****sequence variation**

name of component: Kruppel-like factor 15

[NPU42843](#)

DNA(spec.)—KLF15 gene; seq.var. = ?

DNA(specification)—**KLF16 gene;****sequence variation**

name of component: Kruppel-like factor 16

[NPU44745](#)

DNA(spec.)—KLF16 gene; seq.var. = ?

DNA(specification)—**KLF2 gene;****sequence variation**

name of component: Kruppel-like factor 2 (lung)

[NPU36215](#)

DNA(spec.)—KLF2 gene; seq.var. = ?

DNA(specification)—**KLF3 gene;****sequence variation**

name of component: Kruppel-like factor 3 (basic)

[NPU44501](#)

DNA(spec.)—KLF3 gene; seq.var. = ?

DNA(specification)—**KLF4 gene;****sequence variation**

name of component: Kruppel-like factor 4 (gut)

[NPU36216](#)

DNA(spec.)—KLF4 gene; seq.var. = ?

DNA(specification)—**KLF5 gene;****sequence variation**

name of component: Kruppel-like factor 5 (intestinal)

[NPU36217](#)

DNA(spec.)—KLF5 gene; seq.var. = ?

DNA(specification)—**KLF7 gene;****sequence variation**

name of component: Kruppel-like factor 7 (ubiquitous)

[NPU36218](#)

DNA(spec.)—KLF7 gene; seq.var. = ?

DNA(specification)—**KLF8 gene;****sequence variation**

name of component: Kruppel-like factor 8

[NPU36219](#)

DNA(spec.)—KLF8 gene; seq.var. = ?

DNA(specification)—**KLHDC1 gene;****sequence variation**

name of component: kelch domain containing 1

[NPU47257](#)

DNA(spec.)—KLHDC1 gene; seq.var. = ?

DNA(specification)—**KLHDC2 gene;****sequence variation**

name of component: kelch domain containing 2

[NPU47504](#)

DNA(spec.)—KLHDC2 gene; seq.var. = ?

DNA(specification)—**KLHL1 gene;****sequence variation**

name of component: kelch-like 1 (Drosophila)

[NPU36220](#)

DNA(spec.)—KLHL1 gene; seq.var. = ?

DNA(specification)—**KLHL10 gene;****sequence variation**

name of component: kelch-like 10 (Drosophila)

[NPU46689](#)

DNA(spec.)—KLHL10 gene; seq.var. = ?

DNA(specification)—**KLHL11 gene;****sequence variation**

name of component: kelch-like 11 (Drosophila)

[NPU46812](#)

DNA(spec.)—KLHL11 gene; seq.var. = ?

DNA(specification)—**KLHL12 gene;****sequence variation**

name of component: kelch-like 2, Mayven (Drosophila)

[NPU36221](#)

DNA(spec.)—KLHL2 gene; seq.var. = ?

DNA(specification)—**KLHL3 gene;****sequence variation**

name of component: kelch-like 3 (Drosophila)

[NPU36222](#)

DNA(spec.)—KLHL3 gene; seq.var. = ?

DNA(specification)—**KLHL4 gene;****sequence variation**

name of component: kelch-like 4 (Drosophila)

[NPU36223](#)

DNA(spec.)—KLHL4 gene; seq.var. = ?

DNA(specification)—**KLHL5 gene;****sequence variation**

name of component: kelch-like 5 (Drosophila)

[NPU36224](#)

DNA(spec.)—KLHL5 gene; seq.var. = ?

DNA(specification)—**KLHL6 gene;****sequence variation**name of component: kelch-like 6 (*Drosophila*)[NPU46597](#)

DNA(spec.)—KLHL6 gene; seq.var. = ?

DNA(specification)—**KLHL7 gene;****sequence variation**name of component: kelch-like 7 (*Drosophila*)[NPU43801](#)

DNA(spec.)—KLHL7 gene; seq.var. = ?

DNA(specification)—**KLHL8 gene;****sequence variation**name of component: kelch-like 8 (*Drosophila*)[NPU46593](#)

DNA(spec.)—KLHL8 gene; seq.var. = ?

DNA(specification)—**KLHL9 gene;****sequence variation**name of component: kelch-like 9 (*Drosophila*)[NPU46643](#)

DNA(spec.)—KLHL9 gene; seq.var. = ?

DNA(specification)—**KLK1 gene;****sequence variation**

name of component: kallikrein 1, renal/pancreas/salivary

[NPU36225](#)

DNA(spec.)—KLK1 gene; seq.var. = ?

DNA(specification)—**KLK10 gene;****sequence variation**

name of component: kallikrein 10

[NPU36226](#)

DNA(spec.)—KLK10 gene; seq.var. = ?

DNA(specification)—**KLK11 gene;****sequence variation**

name of component: kallikrein 11

[NPU36227](#)

DNA(spec.)—KLK11 gene; seq.var. = ?

DNA(specification)—**KLK12 gene;****sequence variation**

name of component: kallikrein 12

[NPU36228](#)

DNA(spec.)—KLK12 gene; seq.var. = ?

DNA(specification)—**KLK13 gene;****sequence variation**

name of component: kallikrein 13

[NPU36229](#)

DNA(spec.)—KLK13 gene; seq.var. = ?

DNA(specification)—**KLK14 gene;****sequence variation**

name of component: kallikrein 14

[NPU36230](#)

DNA(spec.)—KLK14 gene; seq.var. = ?

DNA(specification)—**KLK2 gene;****sequence variation**

name of component: kallikrein 2, prostatic

[NPU36231](#)

DNA(spec.)—KLK2 gene; seq.var. = ?

DNA(specification)—**KLK3 gene;****sequence variation**

name of component: kallikrein 3, (prostate specific antigen)

[NPU36232](#)

DNA(spec.)—KLK3 gene; seq.var. = ?

DNA(specification)—**KLK4 gene;****sequence variation**

name of component: kallikrein 4 (protease, enamel matrix, prostate)

[NPU36233](#)

DNA(spec.)—KLK4 gene; seq.var. = ?

DNA(specification)—**KLK5 gene;****sequence variation**

name of component: kallikrein 5

[NPU36234](#)

DNA(spec.)—KLK5 gene; seq.var. = ?

DNA(specification)—**KLK6 gene;****sequence variation**

name of component: kallikrein 6 (neurosin, zyme)

[NPU36235](#)

DNA(spec.)—KLK6 gene; seq.var. = ?

DNA(specification)—**KLK7 gene;****sequence variation**

name of component: kallikrein 7 (chymotryptic, stratum corneum)

[NPU36236](#)

DNA(spec.)—KLK7 gene; seq.var. = ?

DNA(specification)—**KLK8 gene;****sequence variation**

name of component: kallikrein 8 (neurosin/ovasin)

[NPU36237](#)

DNA(spec.)—KLK8 gene; seq.var. = ?

DNA(specification)—**KLK9 gene;****sequence variation**

name of component: kallikrein 9

[NPU36238](#)

DNA(spec.)—KLK9 gene; seq.var. = ?

DNA(specification)—**KLKB1 gene;****sequence variation**

name of component: kallikrein B, plasma (Fletcher factor) 1

[NPU36239](#)

DNA(spec.)—KLKB1 gene; seq.var. = ?

DNA(specification)—**KLRA1 gene;****sequence variation**

name of component: killer cell lectin-like receptor subfamily A, member 1

[NPU36240](#)

DNA(spec.)—KLRA1 gene; seq.var. = ?

DNA(specification)—**KLRB1 gene;****sequence variation**

name of component: killer cell lectin-like receptor subfamily B, member 1

[NPU36241](#)

DNA(spec.)—KLRB1 gene; seq.var. = ?

DNA(specification)—**KLRC1 gene;****sequence variation**

name of component: killer cell lectin-like receptor subfamily C, member 1

[NPU36242](#)

DNA(spec.)—KLRC1 gene; seq.var. = ?

DNA(specification)—**KLRC2 gene;****sequence variation**

name of component: killer cell lectin-like receptor subfamily C, member 2

[NPU36243](#)

DNA(spec.)—KLRC2 gene; seq.var. = ?

DNA(specification)—**KLRC3 gene;****sequence variation**

name of component: killer cell lectin-like receptor subfamily C, member 3

[NPU36244](#)

DNA(spec.)—KLRC3 gene; seq.var. = ?

DNA(specification)—**KLRC4 gene;****sequence variation**

name of component: killer cell lectin-like receptor subfamily C, member 4

[NPU36245](#)

DNA(spec.)—KLRC4 gene; seq.var. = ?

DNA(specification)—**KLRD1 gene;****sequence variation**

name of component: killer cell lectin-like receptor subfamily D, member 1

[NPU36246](#)

DNA(spec.)—KLRD1 gene; seq.var. = ?

DNA(specification)—**KLRE gene;****sequence variation**

name of component: killer cell lectin-like receptor subfamily E

[NPU36247](#)

DNA(spec.)—KLRE gene; seq.var. = ?

DNA(specification)—**KLRF1 gene;****sequence variation**

name of component: killer cell lectin-like receptor subfamily F, member 1

[NPU42094](#)

DNA(spec.)—KLRF1 gene; seq.var. = ?

DNA(specification)—**KLRG1 gene;****sequence variation**

name of component: killer cell lectin-like receptor subfamily G, member 1

[NPU36248](#)

DNA(spec.)—KLRG1 gene; seq.var. = ?

DNA(specification)—**KMO gene;****sequence variation**

name of component: kynurenine 3-monooxygenase (kynurenine 3-hydroxylase)

[NPU36249](#)

DNA(spec.)—KMO gene; seq.var. = ?

DNA(specification)—
KMS gene;
sequence variation
name of component: Kabuki make-up syndrome
[NPU36250](#)
DNA(spec.)—KMS gene; seq.var. = ?

DNA(specification)—
KNG gene;
sequence variation
name of component: kininogen
[NPU36251](#)
DNA(spec.)—KNG gene; seq.var. = ?

DNA(specification)—
KNO gene;
sequence variation
name of component: Knobloch syndrome
[NPU36252](#)
DNA(spec.)—KNO gene; seq.var. = ?

DNA(specification)—
KNPEP gene;
sequence variation
name of component: lysyl aminopeptidase (aminopeptidase Co)
[NPU36253](#)
DNA(spec.)—KNPEP gene; seq.var. = ?

DNA(specification)—
KNS2 gene;
sequence variation
name of component: kinesin 2 60/70 kDa
[NPU36254](#)
DNA(spec.)—KNS2 gene; seq.var. = ?

DNA(specification)—
KNSL7 gene;
sequence variation
name of component: kinesin-like 7
[NPU44944](#)
DNA(spec.)—KNSL7 gene; seq.var. = ?

DNA(specification)—
KNTC1 gene;
sequence variation
name of component: kinetochore associated 1
[NPU44933](#)
DNA(spec.)—KNTC1 gene; seq.var. = ?

DNA(specification)—
KPNA1 gene;
sequence variation
name of component: karyopherin alpha 1 (importin alpha 5)
[NPU36261](#)
DNA(spec.)—KPNA1 gene; seq.var. = ?

DNA(specification)—
KPNA2 gene;
sequence variation
name of component: karyopherin alpha 2 (RAG cohort 1, importin alpha 1)
[NPU36262](#)
DNA(spec.)—KPNA2 gene; seq.var. = ?

DNA(specification)—
KPNA3 gene;
sequence variation
name of component: karyopherin alpha 3 (importin alpha 4)
[NPU36263](#)
DNA(spec.)—KPNA3 gene; seq.var. = ?

DNA(specification)—
KPNA4 gene;
sequence variation
name of component: karyopherin alpha 4 (importin alpha 3)
[NPU36264](#)
DNA(spec.)—KPNA4 gene; seq.var. = ?

DNA(specification)—
KPNA5 gene;
sequence variation
name of component: karyopherin alpha 5 (importin alpha 6)
[NPU36265](#)
DNA(spec.)—KPNA5 gene; seq.var. = ?

DNA(specification)—
KPNA6 gene;
sequence variation
name of component: karyopherin alpha 6 (importin alpha 7)
[NPU36266](#)
DNA(spec.)—KPNA6 gene; seq.var. = ?

DNA(specification)—
KPNB1 gene;
sequence variation
name of component: karyopherin (importin) beta 1
[NPU36267](#)
DNA(spec.)—KPNB1 gene; seq.var. = ?

DNA(specification)—
KPNB2 gene;
sequence variation
name of component: karyopherin (importin) beta 2
[NPU36268](#)
DNA(spec.)—KPNB2 gene; seq.var. = ?

DNA(specification)—
KPNB3 gene;
sequence variation
name of component: karyopherin (importin) beta 3
[NPU36269](#)
DNA(spec.)—KPNB3 gene; seq.var. = ?

DNA(specification)—**KPTN gene;****sequence variation**

name of component: kaptin (actin binding protein)

[NPU36270](#)

DNA(spec.)—KPTN gene; seq.var. = ?

DNA(specification)—**KRAS1P gene;****sequence variation**name of component: v-Ki-ras1 Kirsten rat sarcoma
1 viral oncogene homolog, processed pseudogene[NPU36271](#)

DNA(spec.)—KRAS1P gene; seq.var. = ?

DNA(specification)—**KRAS2 gene;****sequence variation**name of component: v-Ki-ras2 Kirsten rat sarcoma
2 viral oncogene homolog[NPU19124](#)

DNA(spec.)—KRAS2 gene; seq.var. = ?

DNA(specification)—**KREMEN1 gene;****sequence variation**name of component: kringle containing transmem-
brane protein 1[NPU46045](#)

DNA(spec.)—KREMEN1 gene; seq.var. = ?

DNA(specification)—**KREMEN2 gene;****sequence variation**name of component: kringle containing transmem-
brane protein 2[NPU46667](#)

DNA(spec.)—KREMEN2 gene; seq.var. = ?

DNA(specification)—**KRN1 gene;****sequence variation**name of component: keratin, cuticle, ultrahigh sul-
phur 1[NPU36273](#)

DNA(spec.)—KRN1 gene; seq.var. = ?

DNA(specification)—**KRN1L gene;****sequence variation**name of component: keratin, cuticle, ultrahigh sul-
phur 1-like[NPU36274](#)

DNA(spec.)—KRN1L gene; seq.var. = ?

DNA(specification)—**KRT1 gene;****sequence variation**name of component: keratin 1 (epidermolytic hy-
perkeratosis)[NPU36275](#)

DNA(spec.)—KRT1 gene; seq.var. = ?

DNA(specification)—**KRT10 gene;****sequence variation**name of component: keratin 10 (epidermolytic hy-
perkeratosis; keratosis palmaris et plantaris)[NPU36276](#)

DNA(spec.)—KRT10 gene; seq.var. = ?

DNA(specification)—**KRT12 gene;****sequence variation**name of component: keratin 12 (Meesmann corneal
dystrophy)[NPU36277](#)

DNA(spec.)—KRT12 gene; seq.var. = ?

DNA(specification)—**KRT13 gene;****sequence variation**

name of component: keratin 13

[NPU36278](#)

DNA(spec.)—KRT13 gene; seq.var. = ?

DNA(specification)—**KRT14 gene;****sequence variation**name of component: keratin 14 (epidermolysis bul-
losa simplex, Dowling-Meara, Koebner)[NPU36279](#)

DNA(spec.)—KRT14 gene; seq.var. = ?

DNA(specification)—**KRT14L1 gene;****sequence variation**

name of component: keratin 14-like 1 (20kb)

[NPU36280](#)

DNA(spec.)—KRT14L1 gene; seq.var. = ?

DNA(specification)—**KRT14L2 gene;****sequence variation**

name of component: keratin 14-like 2 (10kb)

[NPU36281](#)

DNA(spec.)—KRT14L2 gene; seq.var. = ?

DNA(specification)—**KRT14L3 gene;****sequence variation**

name of component: keratin 14-like 3 (6.6kb)

[NPU36282](#)

DNA(spec.)—KRT14L3 gene; seq.var. = ?

DNA(specification)—
KRT14P gene;
sequence variation
name of component: keratin 14 pseudogene
[NPU36283](#)
DNA(spec.)—KRT14P gene; seq.var. = ?

DNA(specification)—
KRT15 gene;
sequence variation
name of component: keratin 15
[NPU36284](#)
DNA(spec.)—KRT15 gene; seq.var. = ?

DNA(specification)—
KRT15L gene;
sequence variation
name of component: keratin 15-like
[NPU36285](#)
DNA(spec.)—KRT15L gene; seq.var. = ?

DNA(specification)—
KRT16 gene;
sequence variation
name of component: keratin 16 (focal non-epidermolytic palmoplantar keratoderma)
[NPU36286](#)
DNA(spec.)—KRT16 gene; seq.var. = ?

DNA(specification)—
KRT16L1 gene;
sequence variation
name of component: keratin 16-like 1 (16kb)
[NPU36287](#)
DNA(spec.)—KRT16L1 gene; seq.var. = ?

DNA(specification)—
KRT16L2 gene;
sequence variation
name of component: keratin 16-like 2 (11kb)
[NPU36288](#)
DNA(spec.)—KRT16L2 gene; seq.var. = ?

DNA(specification)—
KRT16P1 gene;
sequence variation
name of component: keratin 16 pseudogene 1
[NPU36289](#)
DNA(spec.)—KRT16P1 gene; seq.var. = ?

DNA(specification)—
KRT17 gene;
sequence variation
name of component: keratin 17
[NPU36290](#)
DNA(spec.)—KRT17 gene; seq.var. = ?

DNA(specification)—
KRT17P1 gene;
sequence variation
name of component: keratin 17 pseudogene 1
[NPU36291](#)
DNA(spec.)—KRT17P1 gene; seq.var. = ?

DNA(specification)—
KRT17P2 gene;
sequence variation
name of component: keratin 17 pseudogene 2
[NPU36292](#)
DNA(spec.)—KRT17P2 gene; seq.var. = ?

DNA(specification)—
KRT18 gene;
sequence variation
name of component: keratin 18
[NPU36293](#)
DNA(spec.)—KRT18 gene; seq.var. = ?

DNA(specification)—
KRT18L1 gene;
sequence variation
name of component: keratin 18-like 1
[NPU36294](#)
DNA(spec.)—KRT18L1 gene; seq.var. = ?

DNA(specification)—
KRT18L3 gene;
sequence variation
name of component: keratin 18-like 3
[NPU36295](#)
DNA(spec.)—KRT18L3 gene; seq.var. = ?

DNA(specification)—
KRT18L4 gene;
sequence variation
name of component: keratin 18-like 4
[NPU36296](#)
DNA(spec.)—KRT18L4 gene; seq.var. = ?

DNA(specification)—
KRT18P1 gene;
sequence variation
name of component: keratin 18 pseudogene 1
[NPU36297](#)
DNA(spec.)—KRT18P1 gene; seq.var. = ?

DNA(specification)—
KRT18P2 gene;
sequence variation
name of component: keratin 18 pseudogene 2
[NPU36298](#)
DNA(spec.)—KRT18P2 gene; seq.var. = ?

DNA(specification)—
KRT18P3 gene;
sequence variation
name of component: keratin 18 pseudogene 3
[NPU44521](#)
DNA(spec.)—KRT18P3 gene; seq.var. = ?

DNA(specification)—
KRT18P4 gene;
sequence variation
name of component: keratin 18 pseudogene 4
[NPU44584](#)
DNA(spec.)—KRT18P4 gene; seq.var. = ?

DNA(specification)—
KRT18P5 gene;
sequence variation
name of component: keratin 18 pseudogene 5
[NPU46943](#)
DNA(spec.)—KRT18P5 gene; seq.var. = ?

DNA(specification)—
KRT18P6 gene;
sequence variation
name of component: keratin 18 pseudogene 6
[NPU47537](#)
DNA(spec.)—KRT18P6 gene; seq.var. = ?

DNA(specification)—
KRT18P7 gene;
sequence variation
name of component: keratin 18 pseudogene 7
[NPU47540](#)
DNA(spec.)—KRT18P7 gene; seq.var. = ?

DNA(specification)—
KRT19 gene;
sequence variation
name of component: keratin 19
[NPU36299](#)
DNA(spec.)—KRT19 gene; seq.var. = ?

DNA(specification)—
KRT1B gene;
sequence variation
name of component: keratin 1B
[NPU47608](#)
DNA(spec.)—KRT1B gene; seq.var. = ?

DNA(specification)—
KRT20 gene;
sequence variation
name of component: keratin 20
[NPU47609](#)
DNA(spec.)—KRT20 gene; seq.var. = ?

DNA(specification)—
KRT22 gene;
sequence variation
name of component: keratin 22
[NPU36300](#)
DNA(spec.)—KRT22 gene; seq.var. = ?

DNA(specification)—
KRT23 gene;
sequence variation
name of component: keratin 23 (histone deacetylase inducible)
[NPU36301](#)
DNA(spec.)—KRT23 gene; seq.var. = ?

DNA(specification)—
KRT24 gene;
sequence variation
name of component: keratin 24
[NPU46514](#)
DNA(spec.)—KRT24 gene; seq.var. = ?

DNA(specification)—
KRT2A gene;
sequence variation
name of component: keratin 2A (epidermal ichthyosis bullosa of Siemens)
[NPU36302](#)
DNA(spec.)—KRT2A gene; seq.var. = ?

DNA(specification)—
KRT3 gene;
sequence variation
name of component: keratin 3
[NPU36303](#)
DNA(spec.)—KRT3 gene; seq.var. = ?

DNA(specification)—
KRT4 gene;
sequence variation
name of component: keratin 4
[NPU36304](#)
DNA(spec.)—KRT4 gene; seq.var. = ?

DNA(specification)—
KRT5 gene;
sequence variation
name of component: keratin 5 (epidermolysis bullosa simplex, Dowling-Meara/Kobner/Weber-Cockayne types)
[NPU36305](#)
DNA(spec.)—KRT5 gene; seq.var. = ?

DNA(specification)—
KRT6A gene;
sequence variation
name of component: keratin 6A
[NPU36306](#)
DNA(spec.)—KRT6A gene; seq.var. = ?

DNA(specification)—
KRT6B gene;
sequence variation
name of component: keratin 6B
[NPU36307](#)
DNA(spec.)—KRT6B gene; seq.var. = ?

DNA(specification)—
KRT6C gene;
sequence variation
name of component: keratin 6C
[NPU47604](#)
DNA(spec.)—KRT6C gene; seq.var. = ?

DNA(specification)—
KRT6D gene;
sequence variation
name of component: keratin 6D
[NPU47605](#)
DNA(spec.)—KRT6D gene; seq.var. = ?

DNA(specification)—
KRT6E gene;
sequence variation
name of component: keratin 6E
[NPU47606](#)
DNA(spec.)—KRT6E gene; seq.var. = ?

DNA(specification)—
KRT7 gene;
sequence variation
name of component: keratin 7
[NPU36308](#)
DNA(spec.)—KRT7 gene; seq.var. = ?

DNA(specification)—
KRT8 gene;
sequence variation
name of component: keratin 8
[NPU36309](#)
DNA(spec.)—KRT8 gene; seq.var. = ?

DNA(specification)—
KRT8P1 gene;
sequence variation
name of component: keratin 8 pseudogene 1
[NPU47538](#)
DNA(spec.)—KRT8P1 gene; seq.var. = ?

DNA(specification)—
KRT8P2 gene;
sequence variation
name of component: keratin 8 pseudogene 2
[NPU47539](#)
DNA(spec.)—KRT8P2 gene; seq.var. = ?

DNA(specification)—
KRT9 gene;
sequence variation
name of component: keratin 9 (epidermolytic pal-
moplantar keratoderma)
[NPU36310](#)
DNA(spec.)—KRT9 gene; seq.var. = ?

DNA(specification)—
KRTAP1-1 gene;
sequence variation
name of component: keratin associated protein 1-1
[NPU44678](#)
DNA(spec.)—KRTAP1-1 gene; seq.var. = ?

DNA(specification)—
KRTAP11-1 gene;
sequence variation
name of component: keratin associated protein 11-1
[NPU46764](#)
DNA(spec.)—KRTAP11-1 gene; seq.var. = ?

DNA(specification)—
KRTAP1-3 gene;
sequence variation
name of component: keratin associated protein 1-3
[NPU44677](#)
DNA(spec.)—KRTAP1-3 gene; seq.var. = ?

DNA(specification)—
KRTAP13-1 gene;
sequence variation
name of component: keratin associated protein 13-1
[NPU46766](#)
DNA(spec.)—KRTAP13-1 gene; seq.var. = ?

DNA(specification)—
KRTAP13-2 gene;
sequence variation
name of component: keratin associated protein 13-2
[NPU46765](#)
DNA(spec.)—KRTAP13-2 gene; seq.var. = ?

DNA(specification)—
KRTAP13-3 gene;
sequence variation
name of component: keratin associated protein 13-3
[NPU46767](#)
DNA(spec.)—KRTAP13-3 gene; seq.var. = ?

DNA(specification)—
KRTAP13-4 gene;
sequence variation
name of component: keratin associated protein 13-4
[NPU46768](#)
DNA(spec.)—KRTAP13-4 gene; seq.var. = ?

DNA(specification)—
KRTAP13P1 gene;
sequence variation
name of component: keratin associated protein 13 pseudogene 1
[NPU46771](#)
DNA(spec.)—KRTAP13P1 gene; seq.var. = ?

DNA(specification)—
KRTAP13P2 gene;
sequence variation
name of component: keratin associated protein 13 pseudogene 2
[NPU46772](#)
DNA(spec.)—KRTAP13P2 gene; seq.var. = ?

DNA(specification)—
KRTAP1-4 gene;
sequence variation
name of component: keratin associated protein 1-4
[NPU46746](#)
DNA(spec.)—KRTAP1-4 gene; seq.var. = ?

DNA(specification)—
KRTAP1-5 gene;
sequence variation
name of component: keratin associated protein 1-5
[NPU44683](#)
DNA(spec.)—KRTAP1-5 gene; seq.var. = ?

DNA(specification)—
KRTAP15-1 gene;
sequence variation
name of component: keratin associated protein 15-1
[NPU46769](#)
DNA(spec.)—KRTAP15-1 gene; seq.var. = ?

DNA(specification)—
KRTAP16-1 gene;
sequence variation
name of component: keratin associated protein 16-1
[NPU46758](#)
DNA(spec.)—KRTAP16-1 gene; seq.var. = ?

DNA(specification)—
KRTAP17-1 gene;
sequence variation
name of component: keratin associated protein 17-1
[NPU46759](#)
DNA(spec.)—KRTAP17-1 gene; seq.var. = ?

DNA(specification)—
KRTAP19-1 gene;
sequence variation
name of component: keratin associated protein 19-1
[NPU46778](#)
DNA(spec.)—KRTAP19-1 gene; seq.var. = ?

DNA(specification)—
KRTAP19-2 gene;
sequence variation
name of component: keratin associated protein 19-2
[NPU46779](#)
DNA(spec.)—KRTAP19-2 gene; seq.var. = ?

DNA(specification)—
KRTAP19-3 gene;
sequence variation
name of component: keratin associated protein 19-3
[NPU46780](#)
DNA(spec.)—KRTAP19-3 gene; seq.var. = ?

DNA(specification)—
KRTAP19-4 gene;
sequence variation
name of component: keratin associated protein 19-4
[NPU46781](#)
DNA(spec.)—KRTAP19-4 gene; seq.var. = ?

DNA(specification)—
KRTAP19-5 gene;
sequence variation
name of component: keratin associated protein 19-5
[NPU46782](#)
DNA(spec.)—KRTAP19-5 gene; seq.var. = ?

DNA(specification)—
KRTAP19-6 gene;
sequence variation
name of component: keratin associated protein 19-6
[NPU46783](#)
DNA(spec.)—KRTAP19-6 gene; seq.var. = ?

DNA(specification)—
KRTAP19-7 gene;
sequence variation
name of component: keratin associated protein 19-7
[NPU46784](#)
DNA(spec.)—KRTAP19-7 gene; seq.var. = ?

DNA(specification)—
KRTAP19P1 gene;
sequence variation
name of component: keratin associated protein 19 pseudogene 1
[NPU46792](#)
DNA(spec.)—KRTAP19P1 gene; seq.var. = ?

DNA(specification)—
KRTAP19P2 gene;
sequence variation
name of component: keratin associated protein 19 pseudogene 2
[NPU46793](#)
DNA(spec.)—KRTAP19P2 gene; seq.var. = ?

DNA(specification)—
KRTAP19P3 gene;
sequence variation
name of component: keratin associated protein 19 pseudogene 3
[NPU46794](#)
DNA(spec.)—KRTAP19P3 gene; seq.var. = ?

DNA(specification)—
KRTAP19P4 gene;
sequence variation
name of component: keratin associated protein 19 pseudogene 4
[NPU46795](#)
DNA(spec.)—KRTAP19P4 gene; seq.var. = ?

DNA(specification)—
KRTAP20-1 gene;
sequence variation
name of component: keratin associated protein 20-1
[NPU46785](#)
DNA(spec.)—KRTAP20-1 gene; seq.var. = ?

DNA(specification)—
KRTAP20-2 gene;
sequence variation
name of component: keratin associated protein 20-2
[NPU46786](#)
DNA(spec.)—KRTAP20-2 gene; seq.var. = ?

DNA(specification)—
KRTAP2-1 gene;
sequence variation
name of component: keratin associated protein 2-1
[NPU44681](#)
DNA(spec.)—KRTAP2-1 gene; seq.var. = ?

DNA(specification)—
KRTAP21-1 gene;
sequence variation
name of component: keratin associated protein 21-1
[NPU46787](#)
DNA(spec.)—KRTAP21-1 gene; seq.var. = ?

DNA(specification)—
KRTAP21-2 gene;
sequence variation
name of component: keratin associated protein 21-2
[NPU46788](#)
DNA(spec.)—KRTAP21-2 gene; seq.var. = ?

DNA(specification)—
KRTAP21P1 gene;
sequence variation
name of component: keratin associated protein 21 pseudogene 1
[NPU46796](#)
DNA(spec.)—KRTAP21P1 gene; seq.var. = ?

DNA(specification)—
KRTAP2-2 gene;
sequence variation
name of component: keratin associated protein 2-2
[NPU46747](#)
DNA(spec.)—KRTAP2-2 gene; seq.var. = ?

DNA(specification)—
KRTAP22-1 gene;
sequence variation
name of component: keratin associated protein 22-1
[NPU46789](#)
DNA(spec.)—KRTAP22-1 gene; seq.var. = ?

DNA(specification)—
KRTAP2-3 gene;
sequence variation
name of component: keratin associated protein 2-3
[NPU46748](#)
DNA(spec.)—KRTAP2-3 gene; seq.var. = ?

DNA(specification)—
KRTAP23-1 gene;
sequence variation
name of component: keratin associated protein 23-1
[NPU46770](#)
DNA(spec.)—KRTAP23-1 gene; seq.var. = ?

DNA(specification)—**KRTAP2-4 gene;****sequence variation**

name of component: keratin associated protein 2-4

[NPU46734](#)

DNA(spec.)—KRTAP2-4 gene; seq.var. = ?

DNA(specification)—**KRTAP2P1 gene;****sequence variation**name of component: keratin associated protein 2
pseudogene 1[NPU46762](#)

DNA(spec.)—KRTAP2P1 gene; seq.var. = ?

DNA(specification)—**KRTAP3-1 gene;****sequence variation**

name of component: keratin associated protein 3-1

[NPU44684](#)

DNA(spec.)—KRTAP3-1 gene; seq.var. = ?

DNA(specification)—**KRTAP3-2 gene;****sequence variation**

name of component: keratin associated protein 3-2

[NPU44685](#)

DNA(spec.)—KRTAP3-2 gene; seq.var. = ?

DNA(specification)—**KRTAP3-3 gene;****sequence variation**

name of component: keratin associated protein 3-3

[NPU46733](#)

DNA(spec.)—KRTAP3-3 gene; seq.var. = ?

DNA(specification)—**KRTAP3P1 gene;****sequence variation**name of component: keratin associated protein 3
pseudogene 1[NPU46761](#)

DNA(spec.)—KRTAP3P1 gene; seq.var. = ?

DNA(specification)—**KRTAP4-1 gene;****sequence variation**

name of component: keratin associated protein 4-1

[NPU46749](#)

DNA(spec.)—KRTAP4-1 gene; seq.var. = ?

DNA(specification)—**KRTAP4-10 gene;****sequence variation**name of component: keratin associated protein 4-
10[NPU46739](#)

DNA(spec.)—KRTAP4-10 gene; seq.var. = ?

DNA(specification)—**KRTAP4-11 gene;****sequence variation**name of component: keratin associated protein 4-
11[NPU46753](#)

DNA(spec.)—KRTAP4-11 gene; seq.var. = ?

DNA(specification)—**KRTAP4-12 gene;****sequence variation**name of component: keratin associated protein 4-
12[NPU44682](#)

DNA(spec.)—KRTAP4-12 gene; seq.var. = ?

DNA(specification)—**KRTAP4-13 gene;****sequence variation**name of component: keratin associated protein 4-
13[NPU46738](#)

DNA(spec.)—KRTAP4-13 gene; seq.var. = ?

DNA(specification)—**KRTAP4-14 gene;****sequence variation**name of component: keratin associated protein 4-
14[NPU46735](#)

DNA(spec.)—KRTAP4-14 gene; seq.var. = ?

DNA(specification)—**KRTAP4-15 gene;****sequence variation**name of component: keratin associated protein 4-
15[NPU44680](#)

DNA(spec.)—KRTAP4-15 gene; seq.var. = ?

DNA(specification)—**KRTAP4-2 gene;****sequence variation**

name of component: keratin associated protein 4-2

[NPU46742](#)

DNA(spec.)—KRTAP4-2 gene; seq.var. = ?

DNA(specification)—**KRTAP4-3 gene;****sequence variation**

name of component: keratin associated protein 4-3

[NPU46750](#)

DNA(spec.)—KRTAP4-3 gene; seq.var. = ?

DNA(specification)—**KRTAP4-4 gene;****sequence variation**

name of component: keratin associated protein 4-4

[NPU44776](#)

DNA(spec.)—KRTAP4-4 gene; seq.var. = ?

DNA(specification)—**KRTAP4-5 gene;****sequence variation**

name of component: keratin associated protein 4-5

[NPU46741](#)

DNA(spec.)—KRTAP4-5 gene; seq.var. = ?

DNA(specification)—**KRTAP4-6 gene;****sequence variation**

name of component: keratin associated protein 4-6

[NPU46751](#)

DNA(spec.)—KRTAP4-6 gene; seq.var. = ?

DNA(specification)—**KRTAP4-7 gene;****sequence variation**

name of component: keratin associated protein 4-7

[NPU46740](#)

DNA(spec.)—KRTAP4-7 gene; seq.var. = ?

DNA(specification)—**KRTAP4-8 gene;****sequence variation**

name of component: keratin associated protein 4-8

[NPU44926](#)

DNA(spec.)—KRTAP4-8 gene; seq.var. = ?

DNA(specification)—**KRTAP4-9 gene;****sequence variation**

name of component: keratin associated protein 4-9

[NPU46752](#)

DNA(spec.)—KRTAP4-9 gene; seq.var. = ?

DNA(specification)—**KRTAP4P1 gene;****sequence variation**name of component: keratin associated protein 4
pseudogene 1[NPU46763](#)

DNA(spec.)—KRTAP4P1 gene; seq.var. = ?

DNA(specification)—**KRTAP6-1 gene;****sequence variation**

name of component: keratin associated protein 6-1

[NPU46773](#)

DNA(spec.)—KRTAP6-1 gene; seq.var. = ?

DNA(specification)—**KRTAP6-2 gene;****sequence variation**

name of component: keratin associated protein 6-2

[NPU46774](#)

DNA(spec.)—KRTAP6-2 gene; seq.var. = ?

DNA(specification)—**KRTAP6-3 gene;****sequence variation**

name of component: keratin associated protein 6-3

[NPU46775](#)

DNA(spec.)—KRTAP6-3 gene; seq.var. = ?

DNA(specification)—**KRTAP7-1 gene;****sequence variation**

name of component: keratin associated protein 7-1

[NPU46776](#)

DNA(spec.)—KRTAP7-1 gene; seq.var. = ?

DNA(specification)—**KRTAP8-1 gene;****sequence variation**

name of component: keratin associated protein 8-1

[NPU46777](#)

DNA(spec.)—KRTAP8-1 gene; seq.var. = ?

DNA(specification)—**KRTAP8P1 gene;****sequence variation**name of component: keratin associated protein 8
pseudogene 1[NPU46790](#)

DNA(spec.)—KRTAP8P1 gene; seq.var. = ?

DNA(specification)—**KRTAP8P2 gene;****sequence variation**name of component: keratin associated protein 8
pseudogene 2[NPU46791](#)

DNA(spec.)—KRTAP8P2 gene; seq.var. = ?

DNA(specification)—**KRTAP9-1 gene;****sequence variation**

name of component: keratin associated protein 9-1

[NPU46754](#)

DNA(spec.)—KRTAP9-1 gene; seq.var. = ?

DNA(specification)—**KRTAP9-2 gene;****sequence variation**

name of component: keratin associated protein 9-2

[NPU44774](#)

DNA(spec.)—KRTAP9-2 gene; seq.var. = ?

DNA(specification)—**KRTAP9-3 gene;****sequence variation**

name of component: keratin associated protein 9-3

[NPU44775](#)

DNA(spec.)—KRTAP9-3 gene; seq.var. = ?

DNA(specification)—**KRTAP9-4 gene;****sequence variation**

name of component: keratin associated protein 9-4

[NPU46744](#)

DNA(spec.)—KRTAP9-4 gene; seq.var. = ?

DNA(specification)—**KRTAP9-5 gene;****sequence variation**

name of component: keratin associated protein 9-5

[NPU46755](#)

DNA(spec.)—KRTAP9-5 gene; seq.var. = ?

DNA(specification)—**KRTAP9-6 gene;****sequence variation**

name of component: keratin associated protein 9-6

[NPU46756](#)

DNA(spec.)—KRTAP9-6 gene; seq.var. = ?

DNA(specification)—**KRTAP9-7 gene;****sequence variation**

name of component: keratin associated protein 9-7

[NPU46757](#)

DNA(spec.)—KRTAP9-7 gene; seq.var. = ?

DNA(specification)—**KRTAP9-8 gene;****sequence variation**

name of component: keratin associated protein 9-8

[NPU44927](#)

DNA(spec.)—KRTAP9-8 gene; seq.var. = ?

DNA(specification)—**KRTAP9-9 gene;****sequence variation**

name of component: keratin associated protein 9-9

[NPU44679](#)

DNA(spec.)—KRTAP9-9 gene; seq.var. = ?

DNA(specification)—**KRTAP9P1 gene;****sequence variation**name of component: keratin associated protein 9
pseudogene 1[NPU46760](#)

DNA(spec.)—KRTAP9P1 gene; seq.var. = ?

DNA(specification)—**KRTDAP gene;****sequence variation**name of component: keratinocyte differentiation-
associated protein[NPU44338](#)

DNA(spec.)—KRTDAP gene; seq.var. = ?

DNA(specification)—**KRTHA1 gene;****sequence variation**

name of component: keratin, hair, acidic, 1

[NPU36311](#)

DNA(spec.)—KRTHA1 gene; seq.var. = ?

DNA(specification)—**KRTHA2 gene;****sequence variation**

name of component: keratin, hair, acidic, 2

[NPU36312](#)

DNA(spec.)—KRTHA2 gene; seq.var. = ?

DNA(specification)—**KRTHA3B gene;****sequence variation**

name of component: keratin, hair, acidic, 3B

[NPU36313](#)

DNA(spec.)—KRTHA3B gene; seq.var. = ?

DNA(specification)—**KRTHA4 gene;****sequence variation**

name of component: keratin, hair, acidic, 4

[NPU36314](#)

DNA(spec.)—KRTHA4 gene; seq.var. = ?

DNA(specification)—**KRTHA5 gene;****sequence variation**

name of component: keratin, hair, acidic, 5

[NPU36315](#)

DNA(spec.)—KRTHA5 gene; seq.var. = ?

DNA(specification)—**KRTHA6 gene;****sequence variation**

name of component: keratin, hair, acidic, 6

[NPU36316](#)

DNA(spec.)—KRTHA6 gene; seq.var. = ?

DNA(specification)—**KRTHA7 gene;****sequence variation**

name of component: keratin, hair, acidic, 7

[NPU36317](#)

DNA(spec.)—KRTHA7 gene; seq.var. = ?

DNA(specification)—**KRTHA8 gene;****sequence variation**

name of component: keratin, hair, acidic, 8

[NPU36318](#)

DNA(spec.)—KRTHA8 gene; seq.var. = ?

DNA(specification)—**KRTHAP1 gene;****sequence variation**

name of component: keratin, hair, acidic, pseudogene 1

[NPU36319](#)

DNA(spec.)—KRTHAP1 gene; seq.var. = ?

DNA(specification)—**KRTHB1 gene;****sequence variation**

name of component: keratin, hair, basic, 1

[NPU36320](#)

DNA(spec.)—KRTHB1 gene; seq.var. = ?

DNA(specification)—**KRTHB2 gene;****sequence variation**

name of component: keratin, hair, basic, 2

[NPU36321](#)

DNA(spec.)—KRTHB2 gene; seq.var. = ?

DNA(specification)—**KRTHB3 gene;****sequence variation**

name of component: keratin, hair, basic, 3

[NPU36322](#)

DNA(spec.)—KRTHB3 gene; seq.var. = ?

DNA(specification)—**KRTHB4 gene;****sequence variation**

name of component: keratin, hair, basic, 4

[NPU36323](#)

DNA(spec.)—KRTHB4 gene; seq.var. = ?

DNA(specification)—**KRTHB5 gene;****sequence variation**

name of component: keratin, hair, basic, 5

[NPU36324](#)

DNA(spec.)—KRTHB5 gene; seq.var. = ?

DNA(specification)—**KRTHB6 gene;****sequence variation**

name of component: keratin, hair, basic, 6 (monilethrix)

[NPU36325](#)

DNA(spec.)—KRTHB6 gene; seq.var. = ?

DNA(specification)—**KRTL1 gene;****sequence variation**

name of component: keratin-like 1 (a type II keratin sequence)

[NPU36326](#)

DNA(spec.)—KRTL1 gene; seq.var. = ?

DNA(specification)—**KSR gene;****sequence variation**

name of component: kinase suppressor of ras

[NPU36327](#)

DNA(spec.)—KSR gene; seq.var. = ?

DNA(specification)—**KTN1 gene;****sequence variation**

name of component: kinectin 1 (kinesin receptor)

[NPU36328](#)

DNA(spec.)—KTN1 gene; seq.var. = ?

DNA(specification)—**KWE gene;****sequence variation**

name of component: keratolytic winter erythema (Oudtshoorn skin disease)

[NPU36329](#)

DNA(spec.)—KWE gene; seq.var. = ?

DNA(specification)—**KYNU gene;****sequence variation**

name of component: kynureninase (L-kynurenine hydrolase)

[NPU36330](#)

DNA(spec.)—KYNU gene; seq.var. = ?

DNA(specification)—**KAAG1 gene;****sequence variation**

name of component: kidney associated antigen 1

[NPU47838](#)

DNA(spec.)—KAAG1 gene; seq.var. = ?

DNA(specification)—**L1CAM gene;****sequence variation**

name of component: L1 cell adhesion molecule (hydrocephalus, stenosis of aqueduct of Sylvius 1, MASA (mental retardation, aphasia, shuffling gait and adducted thumbs) syndrome, spastic paraplegia 1)

[NPU36331](#)

DNA(spec.)—L1CAM gene; seq.var. = ?

DNA(specification)—**L3MBTL gene;****sequence variation**

name of component: l(3)mbt-like (*Drosophila*)

[NPU43991](#)

DNA(spec.)—L3MBTL gene; seq.var. = ?

DNA(specification)—
L3MBTL2 gene;
sequence variation
name of component: l(3)mbt-like 2 (Drosophila)
[NPU46562](#)
DNA(spec.)—L3MBTL2 gene; seq.var. = ?

DNA(specification)—
LACE1 gene;
sequence variation
name of component: lactation elevated 1
[NPU44416](#)
DNA(spec.)—LACE1 gene; seq.var. = ?

DNA(specification)—
LACRT gene;
sequence variation
name of component: lacritin
[NPU44431](#)
DNA(spec.)—LACRT gene; seq.var. = ?

DNA(specification)—
LACTB gene;
sequence variation
name of component: lactamase, beta
[NPU44462](#)
DNA(spec.)—LACTB gene; seq.var. = ?

DNA(specification)—
LAD1 gene;
sequence variation
name of component: ladinin 1
[NPU36332](#)
DNA(spec.)—LAD1 gene; seq.var. = ?

DNA(specification)—
LAF4 gene;
sequence variation
name of component: lymphoid nuclear protein related to AF4
[NPU36333](#)
DNA(spec.)—LAF4 gene; seq.var. = ?

DNA(specification)—
LAG3 gene;
sequence variation
name of component: lymphocyte-activation gene 3
[NPU36334](#)
DNA(spec.)—LAG3 gene; seq.var. = ?

DNA(specification)—
LAIR1 gene;
sequence variation
name of component: leukocyte-associated Ig-like receptor 1
[NPU36335](#)
DNA(spec.)—LAIR1 gene; seq.var. = ?

DNA(specification)—
LAIR2 gene;
sequence variation
name of component: leukocyte-associated Ig-like receptor 2
[NPU36336](#)
DNA(spec.)—LAIR2 gene; seq.var. = ?

DNA(specification)—
LAKL gene;
sequence variation
name of component: lymphokine-activated killer cell ligand
[NPU36337](#)
DNA(spec.)—LAKL gene; seq.var. = ?

DNA(specification)—
LALBA gene;
sequence variation
name of component: lactalbumin, alpha-
[NPU36338](#)
DNA(spec.)—LALBA gene; seq.var. = ?

DNA(specification)—
LAMA1 gene;
sequence variation
name of component: laminin, alpha 1
[NPU36339](#)
DNA(spec.)—LAMA1 gene; seq.var. = ?

DNA(specification)—
LAMA2 gene;
sequence variation
name of component: laminin, alpha 2 (merosin, congenital muscular dystrophy)
[NPU36340](#)
DNA(spec.)—LAMA2 gene; seq.var. = ?

DNA(specification)—
LAMA3 gene;
sequence variation
name of component: laminin, alpha 3
[NPU36341](#)
DNA(spec.)—LAMA3 gene; seq.var. = ?

DNA(specification)—
LAMA4 gene;
sequence variation
name of component: laminin, alpha 4
[NPU36342](#)
DNA(spec.)—LAMA4 gene; seq.var. = ?

DNA(specification)—
LAMA5 gene;
sequence variation
name of component: laminin, alpha 5
[NPU36343](#)
DNA(spec.)—LAMA5 gene; seq.var. = ?

DNA(specification)—**LAMB1 gene;****sequence variation**

name of component: laminin, beta 1

[NPU36344](#)

DNA(spec.)—LAMB1 gene; seq.var. = ?

DNA(specification)—**LAMB2 gene;****sequence variation**

name of component: laminin, beta 2 (laminin S)

[NPU36345](#)

DNA(spec.)—LAMB2 gene; seq.var. = ?

DNA(specification)—**LAMB2L gene;****sequence variation**

name of component: laminin, beta 2 -like

[NPU36346](#)

DNA(spec.)—LAMB2L gene; seq.var. = ?

DNA(specification)—**LAMB3 gene;****sequence variation**

name of component: laminin, beta 3

[NPU36347](#)

DNA(spec.)—LAMB3 gene; seq.var. = ?

DNA(specification)—**LAMB4 gene;****sequence variation**

name of component: laminin, beta 4

[NPU36348](#)

DNA(spec.)—LAMB4 gene; seq.var. = ?

DNA(specification)—**LAMC1 gene;****sequence variation**

name of component: laminin, gamma 1 (formerly LAMB2)

[NPU36349](#)

DNA(spec.)—LAMC1 gene; seq.var. = ?

DNA(specification)—**LAMC2 gene;****sequence variation**

name of component: laminin, gamma 2

[NPU36350](#)

DNA(spec.)—LAMC2 gene; seq.var. = ?

DNA(specification)—**LAMC3 gene;****sequence variation**

name of component: laminin, gamma 3

[NPU36351](#)

DNA(spec.)—LAMC3 gene; seq.var. = ?

DNA(specification)—**LAMP1 gene;****sequence variation**

name of component: lysosomal-associated membrane protein 1

[NPU36352](#)

DNA(spec.)—LAMP1 gene; seq.var. = ?

DNA(specification)—**LAMP1L1 gene;****sequence variation**

name of component: lysosomal-associated membrane protein 1-like 1

[NPU36353](#)

DNA(spec.)—LAMP1L1 gene; seq.var. = ?

DNA(specification)—**LAMP2 gene;****sequence variation**

name of component: lysosomal-associated membrane protein 2

[NPU36354](#)

DNA(spec.)—LAMP2 gene; seq.var. = ?

DNA(specification)—**LAMP3 gene;****sequence variation**

name of component: lysosomal-associated membrane protein 3

[NPU42878](#)

DNA(spec.)—LAMP3 gene; seq.var. = ?

DNA(specification)—**LAMR1 gene;****sequence variation**

name of component: laminin receptor 1 (ribosomal protein SA, 67 kDa)

[NPU36355](#)

DNA(spec.)—LAMR1 gene; seq.var. = ?

DNA(specification)—**LAMR1P1 gene;****sequence variation**

name of component: laminin receptor 1 pseudogene 1

[NPU44541](#)

DNA(spec.)—LAMR1P1 gene; seq.var. = ?

DNA(specification)—**LAMR1P3 gene;****sequence variation**

name of component: laminin receptor 1 pseudogene 3

[NPU47216](#)

DNA(spec.)—LAMR1P3 gene; seq.var. = ?

DNA(specification)—
LAMR1P4 gene;
sequence variation
name of component: laminin receptor 1 pseudogene 4
[NPU47362](#)
DNA(spec.)—LAMR1P4 gene; seq.var. = ?

DNA(specification)—
LAMR1P5 gene;
sequence variation
name of component: laminin receptor 1 pseudogene 5
[NPU47445](#)
DNA(spec.)—LAMR1P5 gene; seq.var. = ?

DNA(specification)—
LAMRL1 gene;
sequence variation
name of component: laminin receptor-like 1
[NPU36356](#)
DNA(spec.)—LAMRL1 gene; seq.var. = ?

DNA(specification)—
LAMRL2 gene;
sequence variation
name of component: laminin receptor-like 2
[NPU36357](#)
DNA(spec.)—LAMRL2 gene; seq.var. = ?

DNA(specification)—
LAMRL3 gene;
sequence variation
name of component: laminin receptor-like 3
[NPU36358](#)
DNA(spec.)—LAMRL3 gene; seq.var. = ?

DNA(specification)—
LAMRL4 gene;
sequence variation
name of component: laminin receptor-like 4
[NPU36359](#)
DNA(spec.)—LAMRL4 gene; seq.var. = ?

DNA(specification)—
LANCL1 gene;
sequence variation
name of component: LanC lantibiotic synthetase component C-like 1 (bacterial)
[NPU36360](#)
DNA(spec.)—LANCL1 gene; seq.var. = ?

DNA(specification)—
LANCL2 gene;
sequence variation
name of component: LanC lantibiotic synthetase component C-like 2 (bacterial)
[NPU36361](#)
DNA(spec.)—LANCL2 gene; seq.var. = ?

DNA(specification)—
LAP3 gene;
sequence variation
name of component: leucine aminopeptidase 3
[NPU46468](#)
DNA(spec.)—LAP3 gene; seq.var. = ?

DNA(specification)—
LAPTM4A gene;
sequence variation
name of component: lysosomal-associated protein transmembrane 4 alpha
[NPU36692](#)
DNA(spec.)—LAPTM4A gene; seq.var. = ?

DNA(specification)—
LAPTM4B gene;
sequence variation
name of component: lysosomal associated protein transmembrane 4 beta
[NPU42253](#)
DNA(spec.)—LAPTM4B gene; seq.var. = ?

DNA(specification)—
LARGE gene;
sequence variation
name of component: like-glycosyltransferase
[NPU36363](#)
DNA(spec.)—LARGE gene; seq.var. = ?

DNA(specification)—
LARS gene;
sequence variation
name of component: leucyl-tRNA synthetase
[NPU36364](#)
DNA(spec.)—LARS gene; seq.var. = ?

DNA(specification)—
LASP1 gene;
sequence variation
name of component: LIM and SH3 protein 1
[NPU36365](#)
DNA(spec.)—LASP1 gene; seq.var. = ?

DNA(specification)—
LASS1 gene;
sequence variation
name of component: LAG1 longevity assurance homolog 1 (S. cerevisiae)
[NPU42620](#)
DNA(spec.)—LASS1 gene; seq.var. = ?

DNA(specification)—
LASS2 gene;
sequence variation
name of component: LAG1 longevity assurance homolog 2 (S. cerevisiae)
[NPU42495](#)
DNA(spec.)—LASS2 gene; seq.var. = ?

DNA(specification)—**LAT gene;****sequence variation**

name of component: linker for activation of T cells

[NPU46719](#)

DNA(spec.)—LAT gene; seq.var. = ?

DNA(specification)—**LATS1 gene;****sequence variation**name of component: LATS, large tumor suppressor, homolog 1 (*Drosophila*)[NPU36366](#)

DNA(spec.)—LATS1 gene; seq.var. = ?

DNA(specification)—**LATS2 gene;****sequence variation**name of component: LATS, large tumor suppressor, homolog 2 (*Drosophila*)[NPU36367](#)

DNA(spec.)—LATS2 gene; seq.var. = ?

DNA(specification)—**LBP gene;****sequence variation**

name of component: lipopolysaccharide binding protein

[NPU36368](#)

DNA(spec.)—LBP gene; seq.var. = ?

DNA(specification)—**LBR gene;****sequence variation**

name of component: lamin B receptor

[NPU36369](#)

DNA(spec.)—LBR gene; seq.var. = ?

DNA(specification)—**LBX2 gene;****sequence variation**name of component: lady bird-like homeobox 2 (*Drosophila*)[NPU43722](#)

DNA(spec.)—LBX2 gene; seq.var. = ?

DNA(specification)—**LCA3 gene;****sequence variation**

name of component: Leber congenital amaurosis 3

[NPU36370](#)

DNA(spec.)—LCA3 gene; seq.var. = ?

DNA(specification)—**LCAT gene;****sequence variation**

name of component: lecithin-cholesterol acyltransferase

[NPU36371](#)

DNA(spec.)—LCAT gene; seq.var. = ?

DNA(specification)—**LCK gene;****sequence variation**

name of component: lymphocyte-specific protein tyrosine kinase

[NPU36372](#)

DNA(spec.)—LCK gene; seq.var. = ?

DNA(specification)—**LCMT1 gene;****sequence variation**

name of component: leucine carboxyl methyltransferase 1

[NPU46047](#)

DNA(spec.)—LCMT1 gene; seq.var. = ?

DNA(specification)—**LCMT2 gene;****sequence variation**

name of component: leucine carboxyl methyltransferase 2

[NPU46048](#)

DNA(spec.)—LCMT2 gene; seq.var. = ?

DNA(specification)—**LCN1 gene;****sequence variation**

name of component: lipocalin 1 (protein migrating faster than albumin, tear prealbumin)

[NPU36373](#)

DNA(spec.)—LCN1 gene; seq.var. = ?

DNA(specification)—**LCN2 gene;****sequence variation**

name of component: lipocalin 2 (oncogene 24p3)

[NPU36374](#)

DNA(spec.)—LCN2 gene; seq.var. = ?

DNA(specification)—**LCN5 gene;****sequence variation**

name of component: lipocalin 5

[NPU46049](#)

DNA(spec.)—LCN5 gene; seq.var. = ?

DNA(specification)—**LCN6 gene;****sequence variation**

name of component: lipocalin 6

[NPU44986](#)

DNA(spec.)—LCN6 gene; seq.var. = ?

DNA(specification)—**LCN7 gene;****sequence variation**

name of component: lipocalin 7

[NPU46897](#)

DNA(spec.)—LCN7 gene; seq.var. = ?

DNA(specification)—**LCO gene;****sequence variation**

name of component: liver cancer oncogene

[NPU36375](#)

DNA(spec.)—LCO gene; seq.var. = ?

DNA(specification)—**LCP1 gene;****sequence variation**name of component: lymphocyte cytosolic protein
1 (L-plastin)[NPU36376](#)

DNA(spec.)—LCP1 gene; seq.var. = ?

DNA(specification)—**LCP2 gene;****sequence variation**name of component: lymphocyte cytosolic protein
2 (SH2 domain containing leukocyte protein of 76
kDa)[NPU36377](#)

DNA(spec.)—LCP2 gene; seq.var. = ?

DNA(specification)—**LCS1 gene;****sequence variation**name of component: lymphedema-cholestasis syn-
drome 1[NPU43861](#)

DNA(spec.)—LCS1 gene; seq.var. = ?

DNA(specification)—**LCT gene;****sequence variation**

name of component: lactase

[NPU36378](#)

DNA(spec.)—LCT gene; seq.var. = ?

DNA(specification)—**LDB1 gene;****sequence variation**

name of component: LIM domain binding 1

[NPU36379](#)

DNA(spec.)—LDB1 gene; seq.var. = ?

DNA(specification)—**LDB2 gene;****sequence variation**

name of component: LIM domain binding 2

[NPU36380](#)

DNA(spec.)—LDB2 gene; seq.var. = ?

DNA(specification)—**LDB3 gene;****sequence variation**

name of component: LIM domain binding 3

[NPU43842](#)

DNA(spec.)—LDB3 gene; seq.var. = ?

DNA(specification)—**LDHA gene;****sequence variation**

name of component: lactate dehydrogenase A

[NPU36381](#)

DNA(spec.)—LDHA gene; seq.var. = ?

DNA(specification)—**LDHAL1 gene;****sequence variation**name of component: lactate dehydrogenase A-like
1[NPU36382](#)

DNA(spec.)—LDHAL1 gene; seq.var. = ?

DNA(specification)—**LDHAL2 gene;****sequence variation**name of component: lactate dehydrogenase A-like
2[NPU36383](#)

DNA(spec.)—LDHAL2 gene; seq.var. = ?

DNA(specification)—**LDHAL3 gene;****sequence variation**name of component: lactate dehydrogenase A-like
3[NPU36384](#)

DNA(spec.)—LDHAL3 gene; seq.var. = ?

DNA(specification)—**LDHAL4 gene;****sequence variation**name of component: lactate dehydrogenase A-like
4[NPU36385](#)

DNA(spec.)—LDHAL4 gene; seq.var. = ?

DNA(specification)—**LDHAL5 gene;****sequence variation**name of component: lactate dehydrogenase A-like
5[NPU36386](#)

DNA(spec.)—LDHAL5 gene; seq.var. = ?

DNA(specification)—**LDHB gene;****sequence variation**

name of component: lactate dehydrogenase B

[NPU36387](#)

DNA(spec.)—LDHB gene; seq.var. = ?

DNA(specification)—**LDHBL1 gene;****sequence variation**

name of component: lactate dehydrogenase B-like 1

[NPU36388](#)

DNA(spec.)—LDHBL1 gene; seq.var. = ?

DNA(specification)—**LDHBP gene;****sequence variation**

name of component: lactate dehydrogenase B pseudogene

[NPU36389](#)

DNA(spec.)—LDHBP gene; seq.var. = ?

DNA(specification)—**LDHC gene;****sequence variation**

name of component: lactate dehydrogenase C

[NPU36390](#)

DNA(spec.)—LDHC gene; seq.var. = ?

DNA(specification)—**LDHD gene;****sequence variation**

name of component: lactate dehydrogenase D

[NPU47161](#)

DNA(spec.)—LDHD gene; seq.var. = ?

DNA(specification)—**LDLR gene;****sequence variation**

name of component: low density lipoprotein receptor (familial hypercholesterolemia)

[NPU19126](#)

DNA(spec.)—LDLR gene; seq.var. = ?

DNA(specification)—**LDOC1 gene;****sequence variation**

name of component: leucine zipper, down-regulated in cancer 1

[NPU36393](#)

DNA(spec.)—LDOC1 gene; seq.var. = ?

DNA(specification)—**LECT1 gene;****sequence variation**

name of component: leukocyte cell derived chemotaxin 1

[NPU44807](#)

DNA(spec.)—LECT1 gene; seq.var. = ?

DNA(specification)—**LECT2 gene;****sequence variation**

name of component: leukocyte cell-derived chemotaxin 2

[NPU36394](#)

DNA(spec.)—LECT2 gene; seq.var. = ?

DNA(specification)—**LEF1 gene;****sequence variation**

name of component: lymphoid enhancer-binding factor 1

[NPU36395](#)

DNA(spec.)—LEF1 gene; seq.var. = ?

DNA(specification)—**LEFTB gene;****sequence variation**

name of component: left-right determination, factor B

[NPU36396](#)

DNA(spec.)—LEFTB gene; seq.var. = ?

DNA(specification)—**LEMD1 gene;****sequence variation**

name of component: LEM domain containing 1

[NPU46639](#)

DNA(spec.)—LEMD1 gene; seq.var. = ?

DNA(specification)—**LENEP gene;****sequence variation**

name of component: lens epithelial protein

[NPU42744](#)

DNA(spec.)—LENEP gene; seq.var. = ?

DNA(specification)—**LEP gene;****sequence variation**

name of component: leptin (obesity homolog, mouse)

[NPU36397](#)

DNA(spec.)—LEP gene; seq.var. = ?

DNA(specification)—**LEPR gene;****sequence variation**

name of component: leptin receptor

[NPU36398](#)

DNA(spec.)—LEPR gene; seq.var. = ?

DNA(specification)—**LEPRE1 gene;****sequence variation**

name of component: leucine proline-enriched proteoglycan (leprecan) 1

[NPU46968](#)

DNA(spec.)—LEPRE1 gene; seq.var. = ?

DNA(specification)—**LEPROTL1 gene;****sequence variation**

name of component: leptin receptor overlapping transcript-like 1

[NPU36399](#)

DNA(spec.)—LEPROTL1 gene; seq.var. = ?

DNA(specification)—**LETM1 gene;****sequence variation**

name of component: leucine zipper-EF-hand containing transmembrane protein 1

[NPU36400](#)

DNA(spec.)—LETM1 gene; seq.var. = ?

DNA(specification)—**LFNG gene;****sequence variation**

name of component: lunatic fringe homolog (Drosophila)

[NPU36401](#)

DNA(spec.)—LFNG gene; seq.var. = ?

DNA(specification)—**LGALS1 gene;****sequence variation**

name of component: lectin, galactoside-binding, soluble, 1 (galectin 1)

[NPU36402](#)

DNA(spec.)—LGALS1 gene; seq.var. = ?

DNA(specification)—**LGALS12 gene;****sequence variation**

name of component: lectin, galactoside-binding, soluble, 12 (galectin 12)

[NPU43898](#)

DNA(spec.)—LGALS12 gene; seq.var. = ?

DNA(specification)—**LGALS2 gene;****sequence variation**

name of component: lectin, galactoside-binding, soluble, 2 (galectin 2)

[NPU36403](#)

DNA(spec.)—LGALS2 gene; seq.var. = ?

DNA(specification)—**LGALS3 gene;****sequence variation**

name of component: lectin, galactoside-binding, soluble, 3 (galectin 3)

[NPU36404](#)

DNA(spec.)—LGALS3 gene; seq.var. = ?

DNA(specification)—**LGALS3BP gene;****sequence variation**

name of component: lectin, galactoside-binding, soluble, 3 binding protein

[NPU36405](#)

DNA(spec.)—LGALS3BP gene; seq.var. = ?

DNA(specification)—**LGALS4 gene;****sequence variation**

name of component: lectin, galactoside-binding, soluble, 4 (galectin 4)

[NPU36406](#)

DNA(spec.)—LGALS4 gene; seq.var. = ?

DNA(specification)—**LGALS5 gene;****sequence variation**

name of component: lectin, galactoside-binding, soluble, 5 (galectin 5)

[NPU36407](#)

DNA(spec.)—LGALS5 gene; seq.var. = ?

DNA(specification)—**LGALS6 gene;****sequence variation**

name of component: lectin, galactoside-binding, soluble, 6 (galectin 6)

[NPU36408](#)

DNA(spec.)—LGALS6 gene; seq.var. = ?

DNA(specification)—**LGALS7 gene;****sequence variation**

name of component: lectin, galactoside-binding, soluble, 7 (galectin 7)

[NPU36409](#)

DNA(spec.)—LGALS7 gene; seq.var. = ?

DNA(specification)—**LGALS8 gene;****sequence variation**

name of component: lectin, galactoside-binding, soluble, 8 (galectin 8)

[NPU36410](#)

DNA(spec.)—LGALS8 gene; seq.var. = ?

DNA(specification)—**LGALS9 gene;****sequence variation**

name of component: lectin, galactoside-binding, soluble, 9 (galectin 9)

[NPU36411](#)

DNA(spec.)—LGALS9 gene; seq.var. = ?

DNA(specification)—**LGCR gene;****sequence variation**

name of component: Langer-Giedion syndrome chromosome region

[NPU36412](#)

DNA(spec.)—LGCR gene; seq.var. = ?

DNA(specification)—**LGI1 gene;****sequence variation**

name of component: leucine-rich, glioma inactivated 1

[NPU36413](#)

DNA(spec.)—LGI1 gene; seq.var. = ?

DNA(specification)—**LGI2 gene;****sequence variation**

name of component: leucine-rich repeat LGI family, member 2

[NPU46633](#)

DNA(spec.)—LGI2 gene; seq.var. = ?

DNA(specification)—**LGI3 gene;****sequence variation**

name of component: leucine-rich repeat LGI family, member 3

[NPU46634](#)

DNA(spec.)—LGI3 gene; seq.var. = ?

DNA(specification)—**LGI4 gene;****sequence variation**

name of component: leucine-rich repeat LGI family, member 4

[NPU46635](#)

DNA(spec.)—LGI4 gene; seq.var. = ?

DNA(specification)—**LGMD1A gene;****sequence variation**

name of component: limb-girdle muscular dystrophy 1A (autosomal dominant)

[NPU36414](#)

DNA(spec.)—LGMD1A gene; seq.var. = ?

DNA(specification)—**LGMD1B gene;****sequence variation**

name of component: limb girdle muscular dystrophy 1B (autosomal dominant)

[NPU36415](#)

DNA(spec.)—LGMD1B gene; seq.var. = ?

DNA(specification)—**LGMD1D gene;****sequence variation**

name of component: limb girdle muscular dystrophy 1D (autosomal dominant)

[NPU36416](#)

DNA(spec.)—LGMD1D gene; seq.var. = ?

DNA(specification)—**LGMD2H gene;****sequence variation**

name of component: limb girdle muscular dystrophy 2H (autosomal recessive)

[NPU36417](#)

DNA(spec.)—LGMD2H gene; seq.var. = ?

DNA(specification)—**LGMN gene;****sequence variation**

name of component: legumain

[NPU38753](#)

DNA(spec.)—LGMN gene; seq.var. = ?

DNA(specification)—**LGTM gene;****sequence variation**

name of component: ligatin

[NPU36418](#)

DNA(spec.)—LGTM gene; seq.var. = ?

DNA(specification)—**LHB gene;****sequence variation**

name of component: luteinizing hormone beta polypeptide

[NPU36419](#)

DNA(spec.)—LHB gene; seq.var. = ?

DNA(specification)—**LHCGR gene;****sequence variation**

name of component: luteinizing hormone/choriogonadotropin receptor

[NPU36420](#)

DNA(spec.)—LHCGR gene; seq.var. = ?

DNA(specification)—**LHFP gene;****sequence variation**

name of component: lipoma HMGIC fusion partner

[NPU36421](#)

DNA(spec.)—LHFP gene; seq.var. = ?

DNA(specification)—**LHFPL1 gene;****sequence variation**

name of component: lipoma HMGIC fusion partner-like 1

[NPU36422](#)

DNA(spec.)—LHFPL1 gene; seq.var. = ?

DNA(specification)—**LHFPL2 gene;****sequence variation**

name of component: lipoma HMGIC fusion partner-like 2

[NPU36423](#)

DNA(spec.)—LHFPL2 gene; seq.var. = ?

DNA(specification)—**LHFPL3 gene;****sequence variation**

name of component: lipoma HMGIC fusion partner-like 3

[NPU36424](#)

DNA(spec.)—LHFPL3 gene; seq.var. = ?

DNA(specification)—**LHFPL4 gene;****sequence variation**

name of component: lipoma HMGIC fusion partner-like 4

[NPU36425](#)

DNA(spec.)—LHFPL4 gene; seq.var. = ?

DNA(specification)—**LHX1 gene;****sequence variation**

name of component: LIM homeobox protein 1

[NPU36426](#)

DNA(spec.)—LHX1 gene; seq.var. = ?

DNA(specification)—**LHX2 gene;****sequence variation**

name of component: LIM homeobox protein 2

[NPU36427](#)

DNA(spec.)—LHX2 gene; seq.var. = ?

DNA(specification)—**LHX3 gene;****sequence variation**

name of component: LIM homeobox protein 3

[NPU36428](#)

DNA(spec.)—LHX3 gene; seq.var. = ?

DNA(specification)—**LHX5 gene;****sequence variation**

name of component: LIM homeobox protein 5

[NPU42597](#)

DNA(spec.)—LHX5 gene; seq.var. = ?

DNA(specification)—**LHX9 gene;****sequence variation**

name of component: LIM homeobox 9

[NPU42601](#)

DNA(spec.)—LHX9 gene; seq.var. = ?

DNA(specification)—**LIAS gene;****sequence variation**

name of component: liponic acid synthetase

[NPU44430](#)

DNA(spec.)—LIAS gene; seq.var. = ?

DNA(specification)—**LIF gene;****sequence variation**

name of component: leukemia inhibitory factor (cholinergic differentiation factor)

[NPU36429](#)

DNA(spec.)—LIF gene; seq.var. = ?

DNA(specification)—**LIFR gene;****sequence variation**

name of component: leukemia inhibitory factor receptor

[NPU36430](#)

DNA(spec.)—LIFR gene; seq.var. = ?

DNA(specification)—**LIG1 gene;****sequence variation**

name of component: ligase I, DNA, ATP-dependent

[NPU36431](#)

DNA(spec.)—LIG1 gene; seq.var. = ?

DNA(specification)—**LIG2 gene;****sequence variation**

name of component: ligase II, DNA, ATP-dependent

[NPU36432](#)

DNA(spec.)—LIG2 gene; seq.var. = ?

DNA(specification)—**LIG3 gene;****sequence variation**

name of component: ligase III, DNA, ATP-dependent

[NPU36433](#)

DNA(spec.)—LIG3 gene; seq.var. = ?

DNA(specification)—**LIG4 gene;****sequence variation**

name of component: ligase IV, DNA, ATP-dependent

[NPU36434](#)

DNA(spec.)—LIG4 gene; seq.var. = ?

DNA(specification)—**LILRA1 gene;****sequence variation**

name of component: leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 1

[NPU36435](#)

DNA(spec.)—LILRA1 gene; seq.var. = ?

DNA(specification)—**LILRA2 gene;****sequence variation**

name of component: leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 2

[NPU36436](#)

DNA(spec.)—LILRA2 gene; seq.var. = ?

DNA(specification)—**LILRA3 gene;****sequence variation**

name of component: leukocyte immunoglobulin-like receptor, subfamily A (without TM domain), member 3

[NPU36437](#)

DNA(spec.)—LILRA3 gene; seq.var. = ?

DNA(specification)—**LILRB1 gene;****sequence variation**

name of component: leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 1

[NPU36438](#)

DNA(spec.)—LILRB1 gene; seq.var. = ?

DNA(specification)—**LILRB2 gene;****sequence variation**

name of component: leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 2

[NPU36439](#)

DNA(spec.)—LILRB2 gene; seq.var. = ?

DNA(specification)—**LILRB3 gene;****sequence variation**

name of component: leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3

[NPU36440](#)

DNA(spec.)—LILRB3 gene; seq.var. = ?

DNA(specification)—**LILRB4 gene;****sequence variation**

name of component: leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 4

[NPU36441](#)

DNA(spec.)—LILRB4 gene; seq.var. = ?

DNA(specification)—**LILRB5 gene;****sequence variation**

name of component: leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 5

[NPU36442](#)

DNA(spec.)—LILRB5 gene; seq.var. = ?

DNA(specification)—**LIM2 gene;****sequence variation**

name of component: lens intrinsic membrane protein 2, 19 kDa

[NPU36443](#)

DNA(spec.)—LIM2 gene; seq.var. = ?

DNA(specification)—**LIMD1 gene;****sequence variation**

name of component: LIM domains containing 1

[NPU36444](#)

DNA(spec.)—LIMD1 gene; seq.var. = ?

DNA(specification)—**LIMK1 gene;****sequence variation**

name of component: LIM domain kinase 1

[NPU36445](#)

DNA(spec.)—LIMK1 gene; seq.var. = ?

DNA(specification)—**LIMK2 gene;****sequence variation**

name of component: LIM domain kinase 2

[NPU36446](#)

DNA(spec.)—LIMK2 gene; seq.var. = ?

DNA(specification)—**LIMS1 gene;****sequence variation**

name of component: LIM and senescent cell antigen-like domains 1

[NPU36447](#)

DNA(spec.)—LIMS1 gene; seq.var. = ?

DNA(specification)—**LIMS2 gene;****sequence variation**

name of component: LIM and senescent cell anti-gen-like domains 2

[NPU44132](#)

DNA(spec.)—LIMS2 gene; seq.var. = ?

DNA(specification)—**LIN7A gene;****sequence variation**

name of component: lin-7 homolog A (C. elegans)

[NPU46094](#)

DNA(spec.)—LIN7A gene; seq.var. = ?

DNA(specification)—**LIN7B gene;****sequence variation**

name of component: lin-7 homolog B (C. elegans)

[NPU46095](#)

DNA(spec.)—LIN7B gene; seq.var. = ?

DNA(specification)—**LIN7C gene;****sequence variation**

name of component: lin-7 homolog C (C. elegans)

[NPU46096](#)

DNA(spec.)—LIN7C gene; seq.var. = ?

DNA(specification)—**LIPA gene;****sequence variation**

name of component: lipase A, lysosomal acid, cholesterol esterase (Wolman disease)

[NPU36448](#)

DNA(spec.)—LIPA gene; seq.var. = ?

DNA(specification)—**LIPB gene;****sequence variation**

name of component: lipase B, lysosomal acid

[NPU36449](#)

DNA(spec.)—LIPB gene; seq.var. = ?

DNA(specification)—**LIPC gene;****sequence variation**

name of component: lipase, hepatic

[NPU36450](#)

DNA(spec.)—LIPC gene; seq.var. = ?

DNA(specification)—**LIPE gene;****sequence variation**

name of component: lipase, hormone-sensitive

[NPU36451](#)

DNA(spec.)—LIPE gene; seq.var. = ?

DNA(specification)—**LIPF gene;****sequence variation**

name of component: lipase, gastric

[NPU36452](#)

DNA(spec.)—LIPF gene; seq.var. = ?

DNA(specification)—**LIPG gene;****sequence variation**

name of component: lipase, endothelial

[NPU36453](#)

DNA(spec.)—LIPG gene; seq.var. = ?

DNA(specification)—**LIPH gene;****sequence variation**

name of component: lipase, member H

[NPU46489](#)

DNA(spec.)—LIPH gene; seq.var. = ?

DNA(specification)—**LIPI gene;****sequence variation**

name of component: lipase, member I

[NPU46683](#)

DNA(spec.)—LIPI gene; seq.var. = ?

DNA(specification)—**LITAF gene;****sequence variation**

name of component: lipopolysaccharide-induced TNF factor

[NPU44735](#)

DNA(spec.)—LITAF gene; seq.var. = ?

DNA(specification)—**LLGL1 gene;****sequence variation**

name of component: lethal giant larvae homolog 1 (Drosophila)

[NPU36454](#)

DNA(spec.)—LLGL1 gene; seq.var. = ?

DNA(specification)—**LLGL2 gene;****sequence variation**

name of component: lethal giant larvae homolog 2 (Drosophila)

[NPU36455](#)

DNA(spec.)—LLGL2 gene; seq.var. = ?

DNA(specification)—**LLP gene;****sequence variation**

name of component: lactation, late, protein (macropodids)

[NPU36456](#)

DNA(spec.)—LLP gene; seq.var. = ?

DNA(specification)—**LMAN1 gene;****sequence variation**

name of component: lectin, mannose-binding, 1

[NPU36457](#)

DNA(spec.)—LMAN1 gene; seq.var. = ?

DNA(specification)—**LMAN1L gene;****sequence variation**

name of component: lectin, mannose-binding, 1 like

[NPU36458](#)

DNA(spec.)—LMAN1L gene; seq.var. = ?

DNA(specification)—**LMCD1 gene;****sequence variation**

name of component: LIM and cysteine-rich domains 1

[NPU36459](#)

DNA(spec.)—LMCD1 gene; seq.var. = ?

DNA(specification)—**LMLN gene;****sequence variation**

name of component: leishmanolysin-like (metallopeptidase M8 family)

[NPU44065](#)

DNA(spec.)—LMLN gene; seq.var. = ?

DNA(specification)—**LMNA gene;****sequence variation**

name of component: lamin A/C

[NPU36460](#)

DNA(spec.)—LMNA gene; seq.var. = ?

DNA(specification)—**LMNB1 gene;****sequence variation**

name of component: lamin B1

[NPU36461](#)

DNA(spec.)—LMNB1 gene; seq.var. = ?

DNA(specification)—**LMNB2 gene;****sequence variation**

name of component: lamin B2

[NPU36462](#)

DNA(spec.)—LMNB2 gene; seq.var. = ?

DNA(specification)—**LMNL1 gene;****sequence variation**

name of component: lamin A/C-like 1

[NPU36463](#)

DNA(spec.)—LMNL1 gene; seq.var. = ?

DNA(specification)—**LMNL2 gene;****sequence variation**

name of component: lamin A/C-like 2

[NPU36464](#)

DNA(spec.)—LMNL2 gene; seq.var. = ?

DNA(specification)—**LMO1 gene;****sequence variation**

name of component: LIM domain only 1 (rhotin 1)

[NPU36465](#)

DNA(spec.)—LMO1 gene; seq.var. = ?

DNA(specification)—**LMO2 gene;****sequence variation**

name of component: LIM domain only 2 (rhotin-like 1)

[NPU36466](#)

DNA(spec.)—LMO2 gene; seq.var. = ?

DNA(specification)—**LMO3 gene;****sequence variation**

name of component: LIM domain only 3 (rhotin-like 2)

[NPU36467](#)

DNA(spec.)—LMO3 gene; seq.var. = ?

DNA(specification)—**LMO4 gene;****sequence variation**

name of component: LIM domain only 4

[NPU36468](#)

DNA(spec.)—LMO4 gene; seq.var. = ?

DNA(specification)—**LMO6 gene;****sequence variation**

name of component: LIM domain only 6

[NPU36469](#)

DNA(spec.)—LMO6 gene; seq.var. = ?

DNA(specification)—**LMO7 gene;****sequence variation**

name of component: LIM domain only 7

[NPU36470](#)

DNA(spec.)—LMO7 gene; seq.var. = ?

DNA(specification)—**LMOD1 gene;****sequence variation**

name of component: leiomodulin 1 (smooth muscle)

[NPU36471](#)

DNA(spec.)—LMOD1 gene; seq.var. = ?

DNA(specification)—**LMOD2 gene;****sequence variation**

name of component: leiomodlin 2 (cardiac)

[NPU36472](#)

DNA(spec.)—LMOD2 gene; seq.var. = ?

DNA(specification)—**LMOD3 gene;****sequence variation**

name of component: leiomodlin 3 (fetal)

[NPU36473](#)

DNA(spec.)—LMOD3 gene; seq.var. = ?

DNA(specification)—**LMX1A gene;****sequence variation**

name of component: LIM homeobox transcription factor 1, alpha

[NPU36474](#)

DNA(spec.)—LMX1A gene; seq.var. = ?

DNA(specification)—**LMX1B gene;****sequence variation**

name of component: LIM homeobox transcription factor 1, beta

[NPU36475](#)

DNA(spec.)—LMX1B gene; seq.var. = ?

DNA(specification)—**LNPEP gene;****sequence variation**

name of component: leucyl/cystinyl aminopeptidase

[NPU36476](#)

DNA(spec.)—LNPEP gene; seq.var. = ?

DNA(specification)—**LNK gene;****sequence variation**

name of component: ligand of numb-protein X

[NPU36477](#)

DNA(spec.)—LNK gene; seq.var. = ?

DNA(specification)—**LOH11CR2A gene;****sequence variation**

name of component: loss of heterozygosity, 11, chromosomal region 2, gene A

[NPU36478](#)

DNA(spec.)—LOH11CR2A gene; seq.var. = ?

DNA(specification)—**LOH12CR1 gene;****sequence variation**

name of component: loss of heterozygosity, 12, chromosomal region 1

[NPU46188](#)

DNA(spec.)—LOH12CR1 gene; seq.var. = ?

DNA(specification)—**LOH18CR1 gene;****sequence variation**

name of component: loss of heterozygosity, 18, chromosomal region 1

[NPU36479](#)

DNA(spec.)—LOH18CR1 gene; seq.var. = ?

DNA(specification)—**LOH19CR1 gene;****sequence variation**

name of component: loss of heterozygosity, 19, chromosomal region 1

[NPU36480](#)

DNA(spec.)—LOH19CR1 gene; seq.var. = ?

DNA(specification)—**LOH1CR1 gene;****sequence variation**

name of component: loss of heterozygosity, 1, chromosomal region 1

[NPU36481](#)

DNA(spec.)—LOH1CR1 gene; seq.var. = ?

DNA(specification)—**LOH3CR2A gene;****sequence variation**

name of component: loss of heterozygosity, 3, chromosomal region 2, gene A

[NPU36482](#)

DNA(spec.)—LOH3CR2A gene; seq.var. = ?

DNA(specification)—**LOR gene;****sequence variation**

name of component: loridin

[NPU36483](#)

DNA(spec.)—LOR gene; seq.var. = ?

DNA(specification)—**LOX gene;****sequence variation**

name of component: lysyl oxidase

[NPU36484](#)

DNA(spec.)—LOX gene; seq.var. = ?

DNA(specification)—**LOXL1 gene;****sequence variation**

name of component: lysyl oxidase-like 1

[NPU36485](#)

DNA(spec.)—LOXL1 gene; seq.var. = ?

DNA(specification)—**LOXL2 gene;****sequence variation**

name of component: lysyl oxidase-like 2

[NPU36486](#)

DNA(spec.)—LOXL2 gene; seq.var. = ?

DNA(specification)—**LOXL3 gene;****sequence variation**

name of component: lysyl oxidase-like 3

[NPU42364](#)

DNA(spec.)—LOXL3 gene; seq.var. = ?

DNA(specification)—**LOXL4 gene;****sequence variation**

name of component: lysyl oxidase-like 4

[NPU44894](#)

DNA(spec.)—LOXL4 gene; seq.var. = ?

DNA(specification)—**LPA gene;****sequence variation**

name of component: lipoprotein, Lp(a)

[NPU36487](#)

DNA(spec.)—LPA gene; seq.var. = ?

DNA(specification)—**LPAL1 gene;****sequence variation**

name of component: lipoprotein, Lp(a)-like 1

[NPU36488](#)

DNA(spec.)—LPAL1 gene; seq.var. = ?

DNA(specification)—**LPAL2 gene;****sequence variation**

name of component: lipoprotein, Lp(a)-like 2

[NPU36489](#)

DNA(spec.)—LPAL2 gene; seq.var. = ?

DNA(specification)—**LPGP1 gene;****sequence variation**

name of component: lipogenic protein 1

[NPU36490](#)

DNA(spec.)—LPGP1 gene; seq.var. = ?

DNA(specification)—**LPHN1 gene;****sequence variation**

name of component: latrophilin 1

[NPU47809](#)

DNA(spec.)—LPHN1 gene; seq.var. = ?

DNA(specification)—**LPHN2 gene;****sequence variation**

name of component: latrophilin 2

[NPU46550](#)

DNA(spec.)—LPHN2 gene; seq.var. = ?

DNA(specification)—**LPHN3 gene;****sequence variation**

name of component: latrophilin 3

[NPU47810](#)

DNA(spec.)—LPHN3 gene; seq.var. = ?

DNA(specification)—**LPIN1 gene;****sequence variation**

name of component: lipin 1

[NPU42095](#)

DNA(spec.)—LPIN1 gene; seq.var. = ?

DNA(specification)—**LPIN2 gene;****sequence variation**

name of component: lipin 2

[NPU42765](#)

DNA(spec.)—LPIN2 gene; seq.var. = ?

DNA(specification)—**LPIN3 gene;****sequence variation**

name of component: lipin 3

[NPU42766](#)

DNA(spec.)—LPIN3 gene; seq.var. = ?

DNA(specification)—**LPL gene;****sequence variation**

name of component: lipoprotein lipase

[NPU36491](#)

DNA(spec.)—LPL gene; seq.var. = ?

DNA(specification)—**LPO gene;****sequence variation**

name of component: lactoperoxidase

[NPU36492](#)

DNA(spec.)—LPO gene; seq.var. = ?

DNA(specification)—**LPP gene;****sequence variation**

name of component: LIM domain containing preferred translocation partner in lipoma

[NPU36493](#)

DNA(spec.)—LPP gene; seq.var. = ?

DNA(specification)—**LPXN gene;****sequence variation**

name of component: leupaxin

[NPU42484](#)

DNA(spec.)—LPXN gene; seq.var. = ?

DNA(specification)—**LRAT gene;****sequence variation**

name of component: lecithin retinol acyltransferase (phosphatidylcholine--retinol O-acyltransferase)

[NPU36494](#)

DNA(spec.)—LRAT gene; seq.var. = ?

DNA(specification)—**LRBA gene;****sequence variation**

name of component: LPS-responsive vesicle trafficking, beach and anchor containing

[NPU31394](#)

DNA(spec.)—LRBA gene; seq.var. = ?

DNA(specification)—**LRDD gene;****sequence variation**

name of component: leucine-rich and death domain containing

[NPU44481](#)

DNA(spec.)—LRDD gene; seq.var. = ?

DNA(specification)—**LRE1 gene;****sequence variation**

name of component: LINE retrotransposable element 1

[NPU36495](#)

DNA(spec.)—LRE1 gene; seq.var. = ?

DNA(specification)—**LRE2 gene;****sequence variation**

name of component: LINE retrotransposable element 2

[NPU36496](#)

DNA(spec.)—LRE2 gene; seq.var. = ?

DNA(specification)—**LRE3 gene;****sequence variation**

name of component: LINE retrotransposable element 3

[NPU36497](#)

DNA(spec.)—LRE3 gene; seq.var. = ?

DNA(specification)—**LRE4 gene;****sequence variation**

name of component: LINE retrotransposable element 4

[NPU36498](#)

DNA(spec.)—LRE4 gene; seq.var. = ?

DNA(specification)—**LRIG1 gene;****sequence variation**

name of component: leucine-rich repeats and immunoglobulin-like domains 1

[NPU46005](#)

DNA(spec.)—LRIG1 gene; seq.var. = ?

DNA(specification)—**LRIG2 gene;****sequence variation**

name of component: leucine-rich repeats and immunoglobulin-like domains 2

[NPU47798](#)

DNA(spec.)—LRIG2 gene; seq.var. = ?

DNA(specification)—**LRMP gene;****sequence variation**

name of component: lymphoid-restricted membrane protein

[NPU36499](#)

DNA(spec.)—LRMP gene; seq.var. = ?

DNA(specification)—**LRP1 gene;****sequence variation**

name of component: low density lipoprotein-related protein 1 (alpha-2-macroglobulin receptor)

[NPU36501](#)

DNA(spec.)—LRP1 gene; seq.var. = ?

DNA(specification)—**LRP10 gene;****sequence variation**

name of component: low density lipoprotein receptor-related protein 10

[NPU42858](#)

DNA(spec.)—LRP10 gene; seq.var. = ?

DNA(specification)—**LRP11 gene;****sequence variation**

name of component: low density lipoprotein receptor-related protein 11

[NPU44782](#)

DNA(spec.)—LRP11 gene; seq.var. = ?

DNA(specification)—**LRP1B gene;****sequence variation**

name of component: low density lipoprotein-related protein 1B (deleted in tumors)

[NPU36502](#)

DNA(spec.)—LRP1B gene; seq.var. = ?

DNA(specification)—**LRP2 gene;****sequence variation**

name of component: low density lipoprotein-related protein 2

[NPU36503](#)

DNA(spec.)—LRP2 gene; seq.var. = ?

DNA(specification)—**LRP3 gene;****sequence variation**

name of component: low density lipoprotein receptor-related protein 3

[NPU36504](#)

DNA(spec.)—LRP3 gene; seq.var. = ?

DNA(specification)—**LRP4 gene;****sequence variation**

name of component: low density lipoprotein receptor-related protein 4

[NPU36505](#)

DNA(spec.)—LRP4 gene; seq.var. = ?

DNA(specification)—**LRP5 gene;****sequence variation**

name of component: low density lipoprotein receptor-related protein 5

[NPU36506](#)

DNA(spec.)—LRP5 gene; seq.var. = ?

DNA(specification)—**LRP6 gene;****sequence variation**

name of component: low density lipoprotein receptor-related protein 6

[NPU36507](#)

DNA(spec.)—LRP6 gene; seq.var. = ?

DNA(specification)—**LRP8 gene;****sequence variation**

name of component: low density lipoprotein receptor-related protein 8, apolipoprotein e receptor

[NPU36508](#)

DNA(spec.)—LRP8 gene; seq.var. = ?

DNA(specification)—**LRPAP1 gene;****sequence variation**

name of component: low density lipoprotein receptor-related protein associated protein 1

[NPU36509](#)

DNA(spec.)—LRPAP1 gene; seq.var. = ?

DNA(specification)—**LRPPRC gene;****sequence variation**

name of component: leucine-rich PPR-motif containing

[NPU43845](#)

DNA(spec.)—LRPPRC gene; seq.var. = ?

DNA(specification)—**LRRC1 gene;****sequence variation**

name of component: leucine-rich repeat-containing 1

[NPU42665](#)

DNA(spec.)—LRRC1 gene; seq.var. = ?

DNA(specification)—**LRRC15 gene;****sequence variation**

name of component: leucine rich repeat containing 15

[NPU47773](#)

DNA(spec.)—LRRC15 gene; seq.var. = ?

DNA(specification)—**LRRC2 gene;****sequence variation**

name of component: leucine-rich repeat-containing 2

[NPU42939](#)

DNA(spec.)—LRRC2 gene; seq.var. = ?

DNA(specification)—**LRRC3 gene;****sequence variation**

name of component: leucine-rich repeat-containing 3

[NPU43206](#)

DNA(spec.)—LRRC3 gene; seq.var. = ?

DNA(specification)—**LRRC4 gene;****sequence variation**

name of component: leucine-rich repeat-containing 4

[NPU43761](#)

DNA(spec.)—LRRC4 gene; seq.var. = ?

DNA(specification)—**LRRC5 gene;****sequence variation**

name of component: leucine-rich repeat-containing 5

[NPU44805](#)

DNA(spec.)—LRRC5 gene; seq.var. = ?

DNA(specification)—**LRRC9 gene;****sequence variation**

name of component: leucine-rich repeat-containing 9

[NPU47269](#)

DNA(spec.)—LRRC9 gene; seq.var. = ?

DNA(specification)—**LRRFIP1 gene;****sequence variation**

name of component: leucine rich repeat (in FLII) interacting protein 1

[NPU36510](#)

DNA(spec.)—LRRFIP1 gene; seq.var. = ?

DNA(specification)—**LRRFIP2 gene;****sequence variation**

name of component: leucine rich repeat (in FLII) interacting protein 2

[NPU36511](#)

DNA(spec.)—LRRFIP2 gene; seq.var. = ?

DNA(specification)—**LRRN1 gene;****sequence variation**

name of component: leucine rich repeat neuronal 1

[NPU47811](#)

DNA(spec.)—LRRN1 gene; seq.var. = ?

DNA(specification)—**LRRN3 gene;****sequence variation**

name of component: leucine rich repeat neuronal 3

[NPU44913](#)

DNA(spec.)—LRRN3 gene; seq.var. = ?

DNA(specification)—**LRRN4 gene;****sequence variation**

name of component: leucine rich repeat neuronal 4

[NPU36500](#)

DNA(spec.)—LRRN4 gene; seq.var. = ?

DNA(specification)—**LRS1 gene;****sequence variation**

name of component: Larsen syndrome 1 (autosomal dominant)

[NPU36512](#)

DNA(spec.)—LRS1 gene; seq.var. = ?

DNA(specification)—**LSAMP gene;****sequence variation**

name of component: limbic system-associated membrane protein

[NPU36513](#)

DNA(spec.)—LSAMP gene; seq.var. = ?

DNA(specification)—**LSM1 gene;****sequence variation**

name of component: LSM1 homolog, U6 small nuclear RNA associated (*S. cerevisiae*)

[NPU47636](#)

DNA(spec.)—LSM1 gene; seq.var. = ?

DNA(specification)—**LSM2 gene;****sequence variation**

name of component: LSM2 homolog, U6 small nuclear RNA associated (*S. cerevisiae*)

[NPU42409](#)

DNA(spec.)—LSM2 gene; seq.var. = ?

DNA(specification)—**LSM3 gene;****sequence variation**

name of component: LSM3 homolog, U6 small nuclear RNA associated (*S. cerevisiae*)

[NPU46156](#)

DNA(spec.)—LSM3 gene; seq.var. = ?

DNA(specification)—**LSM4 gene;****sequence variation**

name of component: LSM4 homolog, U6 small nuclear RNA associated (*S. cerevisiae*)

[NPU44935](#)

DNA(spec.)—LSM4 gene; seq.var. = ?

DNA(specification)—**LSM5 gene;****sequence variation**

name of component: LSM5 homolog, U6 small nuclear RNA associated (*S. cerevisiae*)

[NPU44887](#)

DNA(spec.)—LSM5 gene; seq.var. = ?

DNA(specification)—**LSM6 gene;****sequence variation**

name of component: LSM6 homolog, U6 small nuclear RNA associated (*S. cerevisiae*)

[NPU44811](#)

DNA(spec.)—LSM6 gene; seq.var. = ?

DNA(specification)—**LSM7 gene;****sequence variation**

name of component: LSM7 homolog, U6 small nuclear RNA associated (*S. cerevisiae*)

[NPU47634](#)

DNA(spec.)—LSM7 gene; seq.var. = ?

DNA(specification)—**LSM8 gene;****sequence variation**

name of component: LSM8 homolog, U6 small nuclear RNA associated (*S. cerevisiae*)

[NPU47635](#)

DNA(spec.)—LSM8 gene; seq.var. = ?

DNA(specification)—**LSP1 gene;****sequence variation**

name of component: lymphocyte-specific protein 1

[NPU36514](#)

DNA(spec.)—LSP1 gene; seq.var. = ?

DNA(specification)—**LSS gene;****sequence variation**

name of component: lanosterol synthase (2,3-oxidosqualene-lanosterol cyclase)

[NPU36515](#)

DNA(spec.)—LSS gene; seq.var. = ?

DNA(specification)—**LST1 gene;****sequence variation**

name of component: leukocyte specific transcript 1

[NPU42579](#)

DNA(spec.)—LST1 gene; seq.var. = ?

DNA(specification)—**LTA gene;****sequence variation**

name of component: lymphotoxin alpha (TNF superfamily, member 1)

[NPU36516](#)

DNA(spec.)—LTA gene; seq.var. = ?

DNA(specification)—**LTA4H gene;****sequence variation**

name of component: leukotriene A4 hydrolase

[NPU36517](#)

DNA(spec.)—LTA4H gene; seq.var. = ?

DNA(specification)—**LTB gene;****sequence variation**

name of component: lymphotoxin beta (TNF superfamily, member 3)

[NPU36518](#)

DNA(spec.)—LTB gene; seq.var. = ?

DNA(specification)—**LTB4DH gene;****sequence variation**

name of component: leukotriene B4 12-hydroxydehydrogenase

[NPU46459](#)

DNA(spec.)—LTB4DH gene; seq.var. = ?

DNA(specification)—**LTB4R gene;****sequence variation**

name of component: leukotriene B4 receptor

[NPU36519](#)

DNA(spec.)—LTB4R gene; seq.var. = ?

DNA(specification)—**LTB4R2 gene;****sequence variation**

name of component: leukotriene B4 receptor 2

[NPU46944](#)

DNA(spec.)—LTB4R2 gene; seq.var. = ?

DNA(specification)—**LTBP1 gene;****sequence variation**

name of component: latent transforming growth factor beta binding protein 1

[NPU36520](#)

DNA(spec.)—LTBP1 gene; seq.var. = ?

DNA(specification)—**LTBP2 gene;****sequence variation**

name of component: latent transforming growth factor beta binding protein 2

[NPU36521](#)

DNA(spec.)—LTBP2 gene; seq.var. = ?

DNA(specification)—**LTBP3 gene;****sequence variation**

name of component: latent transforming growth factor beta binding protein 3

[NPU36522](#)

DNA(spec.)—LTBP3 gene; seq.var. = ?

DNA(specification)—**LTBP4 gene;****sequence variation**

name of component: latent transforming growth factor beta binding protein 4

[NPU36523](#)

DNA(spec.)—LTBP4 gene; seq.var. = ?

DNA(specification)—**LTBR gene;****sequence variation**

name of component: lymphotoxin beta receptor (TNFR superfamily, member 3)

[NPU36524](#)

DNA(spec.)—LTBR gene; seq.var. = ?

DNA(specification)—
LTC4S gene;
sequence variation
name of component: leukotriene C4 synthase
[NPU36525](#)
DNA(spec.)—LTC4S gene; seq.var. = ?

DNA(specification)—
LTF gene;
sequence variation
name of component: lactotransferrin
[NPU36526](#)
DNA(spec.)—LTF gene; seq.var. = ?

DNA(specification)—
LTK gene;
sequence variation
name of component: leukocyte tyrosine kinase
[NPU36527](#)
DNA(spec.)—LTK gene; seq.var. = ?

DNA(specification)—
LU gene;
sequence variation
name of component: Lutheran blood group (Auerger b antigen included)
[NPU36528](#)
DNA(spec.)—LU gene; seq.var. = ?

DNA(specification)—
LUC7L gene;
sequence variation
name of component: LUC7-like (*S. cerevisiae*)
[NPU36529](#)
DNA(spec.)—LUC7L gene; seq.var. = ?

DNA(specification)—
LUM gene;
sequence variation
name of component: lumican
[NPU36530](#)
DNA(spec.)—LUM gene; seq.var. = ?

DNA(specification)—
LUZP1 gene;
sequence variation
name of component: leucine zipper protein 1
[NPU43222](#)
DNA(spec.)—LUZP1 gene; seq.var. = ?

DNA(specification)—
LUZPP1 gene;
sequence variation
name of component: leucine zipper protein pseudogene 1
[NPU43748](#)
DNA(spec.)—LUZPP1 gene; seq.var. = ?

DNA(specification)—
LY64 gene;
sequence variation
name of component: lymphocyte antigen 6 homolog, radioprotective 105 kDa (mouse)
[NPU36531](#)
DNA(spec.)—LY64 gene; seq.var. = ?

DNA(specification)—
LY6E gene;
sequence variation
name of component: lymphocyte antigen 6 complex, locus E
[NPU36532](#)
DNA(spec.)—LY6E gene; seq.var. = ?

DNA(specification)—
LY6G5B gene;
sequence variation
name of component: lymphocyte antigen 6 complex, locus G5B
[NPU42400](#)
DNA(spec.)—LY6G5B gene; seq.var. = ?

DNA(specification)—
LY6G5C gene;
sequence variation
name of component: lymphocyte antigen 6 complex, locus G5C
[NPU42401](#)
DNA(spec.)—LY6G5C gene; seq.var. = ?

DNA(specification)—
LY6G6C gene;
sequence variation
name of component: lymphocyte antigen 6 complex, locus G6C
[NPU42405](#)
DNA(spec.)—LY6G6C gene; seq.var. = ?

DNA(specification)—
LY6G6D gene;
sequence variation
name of component: lymphocyte antigen 6 complex, locus G6D
[NPU42404](#)
DNA(spec.)—LY6G6D gene; seq.var. = ?

DNA(specification)—
LY6G6E gene;
sequence variation
name of component: lymphocyte antigen 6 complex, locus G6E
[NPU42403](#)
DNA(spec.)—LY6G6E gene; seq.var. = ?

DNA(specification)—**LY6H gene;****sequence variation**

name of component: lymphocyte antigen 6 complex, locus H

[NPU36533](#)

DNA(spec.)—LY6H gene; seq.var. = ?

DNA(specification)—**LY75 gene;****sequence variation**

name of component: lymphocyte antigen 75

[NPU36534](#)

DNA(spec.)—LY75 gene; seq.var. = ?

DNA(specification)—**LY86 gene;****sequence variation**

name of component: lymphocyte antigen 86

[NPU44732](#)

DNA(spec.)—LY86 gene; seq.var. = ?

DNA(specification)—**LY9 gene;****sequence variation**

name of component: lymphocyte antigen 9

[NPU36535](#)

DNA(spec.)—LY9 gene; seq.var. = ?

DNA(specification)—**LY96 gene;****sequence variation**

name of component: lymphocyte antigen 96

[NPU44885](#)

DNA(spec.)—LY96 gene; seq.var. = ?

DNA(specification)—**LYL1 gene;****sequence variation**

name of component: lymphoblastic leukemia derived sequence 1

[NPU36538](#)

DNA(spec.)—LYL1 gene; seq.var. = ?

DNA(specification)—**LYN gene;****sequence variation**

name of component: v-yes-1 Yamaguchi sarcoma viral related oncogene homolog

[NPU36539](#)

DNA(spec.)—LYN gene; seq.var. = ?

DNA(specification)—**LYPLA1 gene;****sequence variation**

name of component: lysophospholipase I

[NPU36540](#)

DNA(spec.)—LYPLA1 gene; seq.var. = ?

DNA(specification)—**LYPLA2 gene;****sequence variation**

name of component: lysophospholipase II

[NPU36541](#)

DNA(spec.)—LYPLA2 gene; seq.var. = ?

DNA(specification)—**LYPLA3 gene;****sequence variation**

name of component: lysophospholipase 3 (lysosomal phospholipase A2)

[NPU44888](#)

DNA(spec.)—LYPLA3 gene; seq.var. = ?

DNA(specification)—**LYPLAL1 gene;****sequence variation**

name of component: lysophospholipase-like 1

[NPU47618](#)

DNA(spec.)—LYPLAL1 gene; seq.var. = ?

DNA(specification)—**LYSAL1 gene;****sequence variation**

name of component: lysosomal apyrase-like 1

[NPU42871](#)

DNA(spec.)—LYSAL1 gene; seq.var. = ?

DNA(specification)—**LYZ gene;****sequence variation**

name of component: lysozyme (renal amyloidosis)

[NPU36542](#)

DNA(spec.)—LYZ gene; seq.var. = ?

DNA(specification)—**LZIC gene;****sequence variation**

name of component: leucine zipper and CTNNBIP1 domain containing

[NPU46037](#)

DNA(spec.)—LZIC gene; seq.var. = ?

DNA(specification)—**LZTFL1 gene;****sequence variation**

name of component: leucine zipper transcription factor-like 1

[NPU36543](#)

DNA(spec.)—LZTFL1 gene; seq.var. = ?

DNA(specification)—**LZTR1 gene;****sequence variation**

name of component: leucine-zipper-like transcriptional regulator, 1

[NPU36544](#)

DNA(spec.)—LZTR1 gene; seq.var. = ?

DNA(specification)—**LZTS1 gene;****sequence variation**

name of component: leucine zipper, putative tumor suppressor 1

[NPU42359](#)

DNA(spec.)—LZTS1 gene; seq.var. = ?

DNA(specification)—**M11S1 gene;****sequence variation**

name of component: membrane component, chromosome 11, surface marker 1

[NPU36545](#)

DNA(spec.)—M11S1 gene; seq.var. = ?

DNA(specification)—**M130 gene;****sequence variation**

name of component: membrane external protein 130 kDa

[NPU36546](#)

DNA(spec.)—M130 gene; seq.var. = ?

DNA(specification)—**M17S2 gene;****sequence variation**

name of component: membrane component, chromosome 17, surface marker 2 (ovarian carcinoma antigen CA125)

[NPU36547](#)

DNA(spec.)—M17S2 gene; seq.var. = ?

DNA(specification)—**M195 gene;****sequence variation**

name of component: membrane external protein 195 kDa

[NPU36548](#)

DNA(spec.)—M195 gene; seq.var. = ?

DNA(specification)—**M6P2 gene;****sequence variation**

name of component: membrane component, chromosome 6, polypeptide 2 (identified by monoclonal antibody MARB15)

[NPU36549](#)

DNA(spec.)—M6P2 gene; seq.var. = ?

DNA(specification)—**M6PR gene;****sequence variation**

name of component: mannose-6-phosphate receptor (cation dependent)

[NPU36550](#)

DNA(spec.)—M6PR gene; seq.var. = ?

DNA(specification)—**MAB21L1 gene;****sequence variation**

name of component: mab-21-like 1 (C. elegans)

[NPU36552](#)

DNA(spec.)—MAB21L1 gene; seq.var. = ?

DNA(specification)—**MAB21L2 gene;****sequence variation**

name of component: mab-21-like 2 (C. elegans)

[NPU36553](#)

DNA(spec.)—MAB21L2 gene; seq.var. = ?

DNA(specification)—**MACF1 gene;****sequence variation**

name of component: microtubule-actin crosslinking factor 1

[NPU42258](#)

DNA(spec.)—MACF1 gene; seq.var. = ?

DNA(specification)—**MACSL1 gene;****sequence variation**

name of component: myristoylated alanine-rich protein kinase C substrate (MARCKS, 80K-L)-like 1

[NPU36555](#)

DNA(spec.)—MACSL1 gene; seq.var. = ?

DNA(specification)—**MAD gene;****sequence variation**

name of component: MAX dimerization protein 1

[NPU36556](#)

DNA(spec.)—MAD gene; seq.var. = ?

DNA(specification)—**MAD1L1 gene;****sequence variation**

name of component: MAD1 mitotic arrest deficient-like 1 (yeast)

[NPU36557](#)

DNA(spec.)—MAD1L1 gene; seq.var. = ?

DNA(specification)—**MAD2L1 gene;****sequence variation**

name of component: MAD2 mitotic arrest deficient-like 1 (yeast)

[NPU36558](#)

DNA(spec.)—MAD2L1 gene; seq.var. = ?

DNA(specification)—**MAD2L1P gene;****sequence variation**

name of component: MAD2 mitotic arrest deficient-like 1 (yeast) pseudogene

[NPU47363](#)

DNA(spec.)—MAD2L1P gene; seq.var. = ?

DNA(specification)—**MAD2L2 gene;****sequence variation**

name of component: MAD2 mitotic arrest deficient-like 2 (yeast)

[NPU36559](#)

DNA(spec.)—MAD2L2 gene; seq.var. = ?

DNA(specification)—**MADCAM1 gene;****sequence variation**

name of component: mucosal vascular addressin cell adhesion molecule 1

[NPU36560](#)

DNA(spec.)—MADCAM1 gene; seq.var. = ?

DNA(specification)—**MADD gene;****sequence variation**

name of component: MAP-kinase activating death domain

[NPU36561](#)

DNA(spec.)—MADD gene; seq.var. = ?

DNA(specification)—**MADH1 gene;****sequence variation**

name of component: MAD, mothers against decapentaplegic homolog 1 (Drosophila)

[NPU36562](#)

DNA(spec.)—MADH1 gene; seq.var. = ?

DNA(specification)—**MADH2 gene;****sequence variation**

name of component: MAD, mothers against decapentaplegic homolog 2 (Drosophila)

[NPU36563](#)

DNA(spec.)—MADH2 gene; seq.var. = ?

DNA(specification)—**MADH3 gene;****sequence variation**

name of component: MAD, mothers against decapentaplegic homolog 3 (Drosophila)

[NPU36564](#)

DNA(spec.)—MADH3 gene; seq.var. = ?

DNA(specification)—**MADH4 gene;****sequence variation**

name of component: MAD, mothers against decapentaplegic homolog 4 (Drosophila)

[NPU36565](#)

DNA(spec.)—MADH4 gene; seq.var. = ?

DNA(specification)—**MADH5 gene;****sequence variation**

name of component: MAD, mothers against decapentaplegic homolog 5 (Drosophila)

[NPU36566](#)

DNA(spec.)—MADH5 gene; seq.var. = ?

DNA(specification)—**MADH6 gene;****sequence variation**

name of component: MAD, mothers against decapentaplegic homolog 6 (Drosophila)

[NPU36567](#)

DNA(spec.)—MADH6 gene; seq.var. = ?

DNA(specification)—**MADH7 gene;****sequence variation**

name of component: MAD, mothers against decapentaplegic homolog 7 (Drosophila)

[NPU36568](#)

DNA(spec.)—MADH7 gene; seq.var. = ?

DNA(specification)—**MADH9 gene;****sequence variation**

name of component: MAD, mothers against decapentaplegic homolog 9 (Drosophila)

[NPU36569](#)

DNA(spec.)—MADH9 gene; seq.var. = ?

DNA(specification)—**MADHIP gene;****sequence variation**

name of component: MAD, mothers against decapentaplegic homolog (Drosophila) interacting protein, receptor activation anchor

[NPU36570](#)

DNA(spec.)—MADHIP gene; seq.var. = ?

DNA(specification)—**MAEA gene;****sequence variation**

name of component: macrophage erythroblast attachment

[NPU42296](#)

DNA(spec.)—MAEA gene; seq.var. = ?

DNA(specification)—**MAF gene;****sequence variation**

name of component: v-maf musculoaponeurotic fibrosarcoma oncogene homolog (avian)

[NPU36571](#)

DNA(spec.)—MAF gene; seq.var. = ?

DNA(specification)—**MAFB gene;****sequence variation**

name of component: v-maf musculoaponeurotic fibrosarcoma oncogene homolog B (avian)

[NPU36272](#)

DNA(spec.)—MAFB gene; seq.var. = ?

DNA(specification)—**MAFD1 gene;****sequence variation**

name of component: major affective disorder 1

[NPU36572](#)

DNA(spec.)—MAFD1 gene; seq.var. = ?

DNA(specification)—**MAFD2 gene;****sequence variation**

name of component: major affective disorder 2

[NPU36573](#)

DNA(spec.)—MAFD2 gene; seq.var. = ?

DNA(specification)—**MAFF gene;****sequence variation**

name of component: v-maf musculoaponeurotic fibrosarcoma oncogene homolog F (avian)

[NPU36574](#)

DNA(spec.)—MAFF gene; seq.var. = ?

DNA(specification)—**MAFG gene;****sequence variation**

name of component: v-maf musculoaponeurotic fibrosarcoma oncogene homolog G (avian)

[NPU36575](#)

DNA(spec.)—MAFG gene; seq.var. = ?

DNA(specification)—**MAFK gene;****sequence variation**

name of component: v-maf musculoaponeurotic fibrosarcoma oncogene homolog K (avian)

[NPU36576](#)

DNA(spec.)—MAFK gene; seq.var. = ?

DNA(specification)—**MAG gene;****sequence variation**

name of component: myelin associated glycoprotein

[NPU36577](#)

DNA(spec.)—MAG gene; seq.var. = ?

DNA(specification)—**MAGEA1 gene;****sequence variation**

name of component: melanoma antigen, family A, 1 (directs expression of antigen MZ2-E)

[NPU36578](#)

DNA(spec.)—MAGEA1 gene; seq.var. = ?

DNA(specification)—**MAGEA10 gene;****sequence variation**

name of component: melanoma antigen, family A, 10

[NPU36579](#)

DNA(spec.)—MAGEA10 gene; seq.var. = ?

DNA(specification)—**MAGEA11 gene;****sequence variation**

name of component: melanoma antigen, family A, 11

[NPU36580](#)

DNA(spec.)—MAGEA11 gene; seq.var. = ?

DNA(specification)—**MAGEA12 gene;****sequence variation**

name of component: melanoma antigen, family A, 12

[NPU36581](#)

DNA(spec.)—MAGEA12 gene; seq.var. = ?

DNA(specification)—**MAGEA2 gene;****sequence variation**

name of component: melanoma antigen, family A, 2

[NPU36582](#)

DNA(spec.)—MAGEA2 gene; seq.var. = ?

DNA(specification)—**MAGEA3 gene;****sequence variation**

name of component: melanoma antigen, family A, 3

[NPU36583](#)

DNA(spec.)—MAGEA3 gene; seq.var. = ?

DNA(specification)—**MAGEA4 gene;****sequence variation**name of component: melanoma antigen, family A,
4[NPU36584](#)

DNA(spec.)—MAGEA4 gene; seq.var. = ?

DNA(specification)—**MAGEA5 gene;****sequence variation**name of component: melanoma antigen, family A,
5[NPU36585](#)

DNA(spec.)—MAGEA5 gene; seq.var. = ?

DNA(specification)—**MAGEA6 gene;****sequence variation**name of component: melanoma antigen, family A,
6[NPU36586](#)

DNA(spec.)—MAGEA6 gene; seq.var. = ?

DNA(specification)—**MAGEA7 gene;****sequence variation**name of component: melanoma antigen, family A,
7, pseudogene[NPU36587](#)

DNA(spec.)—MAGEA7 gene; seq.var. = ?

DNA(specification)—**MAGEA8 gene;****sequence variation**name of component: melanoma antigen, family A,
8[NPU36588](#)

DNA(spec.)—MAGEA8 gene; seq.var. = ?

DNA(specification)—**MAGEA9 gene;****sequence variation**name of component: melanoma antigen, family A,
9[NPU36589](#)

DNA(spec.)—MAGEA9 gene; seq.var. = ?

DNA(specification)—**MAGEB1 gene;****sequence variation**name of component: melanoma antigen, family B,
1[NPU36590](#)

DNA(spec.)—MAGEB1 gene; seq.var. = ?

DNA(specification)—**MAGEB2 gene;****sequence variation**name of component: melanoma antigen, family B,
2[NPU36591](#)

DNA(spec.)—MAGEB2 gene; seq.var. = ?

DNA(specification)—**MAGEB3 gene;****sequence variation**name of component: melanoma antigen, family B,
3[NPU36592](#)

DNA(spec.)—MAGEB3 gene; seq.var. = ?

DNA(specification)—**MAGEB4 gene;****sequence variation**name of component: melanoma antigen, family B,
4[NPU36593](#)

DNA(spec.)—MAGEB4 gene; seq.var. = ?

DNA(specification)—**MAGEC1 gene;****sequence variation**name of component: melanoma antigen, family C,
1[NPU36594](#)

DNA(spec.)—MAGEC1 gene; seq.var. = ?

DNA(specification)—**MAGED1 gene;****sequence variation**name of component: melanoma antigen, family D,
1[NPU36595](#)

DNA(spec.)—MAGED1 gene; seq.var. = ?

DNA(specification)—**MAGED2 gene;****sequence variation**name of component: melanoma antigen, family D,
2[NPU44370](#)

DNA(spec.)—MAGED2 gene; seq.var. = ?

DNA(specification)—**MAGEE1 gene;****sequence variation**name of component: melanoma antigen, family E,
1, cancer/testis specific[NPU42202](#)

DNA(spec.)—MAGEE1 gene; seq.var. = ?

DNA(specification)—**MAGEL2 gene;****sequence variation**

name of component: MAGE-like 2

[NPU36596](#)

DNA(spec.)—MAGEL2 gene; seq.var. = ?

DNA(specification)—**MAGOH gene;****sequence variation**

name of component: mago-nashi homolog, proliferation-associated (Drosophila)

[NPU36597](#)

DNA(spec.)—MAGOH gene; seq.var. = ?

DNA(specification)—**MAGOHP gene;****sequence variation**

name of component: mago-nashi homolog, proliferation-associated pseudogene (Drosophila)

[NPU47364](#)

DNA(spec.)—MAGOHP gene; seq.var. = ?

DNA(specification)—**MAK gene;****sequence variation**

name of component: male germ cell-associated kinase

[NPU36598](#)

DNA(spec.)—MAK gene; seq.var. = ?

DNA(specification)—**MAL gene;****sequence variation**

name of component: mal, T-cell differentiation protein

[NPU36599](#)

DNA(spec.)—MAL gene; seq.var. = ?

DNA(specification)—**MAL2 gene;****sequence variation**

name of component: mal, T-cell differentiation protein 2

[NPU42246](#)

DNA(spec.)—MAL2 gene; seq.var. = ?

DNA(specification)—**MALL gene;****sequence variation**

name of component: mal, T-cell differentiation protein-like

[NPU36600](#)

DNA(spec.)—MALL gene; seq.var. = ?

DNA(specification)—**MALT1 gene;****sequence variation**

name of component: mucosa associated lymphoid tissue lymphoma translocation gene 1

[NPU36601](#)

DNA(spec.)—MALT1 gene; seq.var. = ?

DNA(specification)—**MAMDC1 gene;****sequence variation**

name of component: MAM domain containing 1

[NPU47256](#)

DNA(spec.)—MAMDC1 gene; seq.var. = ?

DNA(specification)—**MAML1 gene;****sequence variation**

name of component: mastermind-like 1 (Drosophila)

[NPU42245](#)

DNA(spec.)—MAML1 gene; seq.var. = ?

DNA(specification)—**MAML2 gene;****sequence variation**

name of component: mastermind-like 2 (Drosophila)

[NPU44299](#)

DNA(spec.)—MAML2 gene; seq.var. = ?

DNA(specification)—**MAML3 gene;****sequence variation**

name of component: mastermind-like 3 (Drosophila)

[NPU44309](#)

DNA(spec.)—MAML3 gene; seq.var. = ?

DNA(specification)—**MAN1A1 gene;****sequence variation**

name of component: mannosidase, alpha, class 1A, member 1

[NPU36602](#)

DNA(spec.)—MAN1A1 gene; seq.var. = ?

DNA(specification)—**MAN1A2 gene;****sequence variation**

name of component: mannosidase, alpha, class 1A, member 2

[NPU36603](#)

DNA(spec.)—MAN1A2 gene; seq.var. = ?

DNA(specification)—**MAN1B1 gene;****sequence variation**

name of component: mannosidase, alpha, class 1B, member 1

[NPU36604](#)

DNA(spec.)—MAN1B1 gene; seq.var. = ?

DNA(specification)—**MAN1C1 gene;****sequence variation**

name of component: mannosidase, alpha, class 1C, member 1

[NPU46848](#)

DNA(spec.)—MAN1C1 gene; seq.var. = ?

DNA(specification)—**MAN2A1 gene;****sequence variation**

name of component: mannosidase, alpha, class 2A, member 1

[NPU36605](#)

DNA(spec.)—MAN2A1 gene; seq.var. = ?

DNA(specification)—**MAN2A2 gene;****sequence variation**

name of component: mannosidase, alpha, class 2A, member 2

[NPU36606](#)

DNA(spec.)—MAN2A2 gene; seq.var. = ?

DNA(specification)—**MAN2B1 gene;****sequence variation**

name of component: mannosidase, alpha, class 2B, member 1

[NPU19127](#)

DNA(spec.)—MAN2B1 gene; seq.var. = ?

DNA(specification)—**MAN2C1 gene;****sequence variation**

name of component: mannosidase, alpha, class 2C, member 1

[NPU36607](#)

DNA(spec.)—MAN2C1 gene; seq.var. = ?

DNA(specification)—**MANBA gene;****sequence variation**

name of component: mannosidase, beta A, lysosomal

[NPU19128](#)

DNA(spec.)—MANBA gene; seq.var. = ?

DNA(specification)—**MANBAL gene;****sequence variation**

name of component: mannosidase, beta A, lysosomal-like

[NPU43906](#)

DNA(spec.)—MANBAL gene; seq.var. = ?

DNA(specification)—**MANBB gene;****sequence variation**

name of component: mannosidase, beta B, soluble

[NPU36608](#)

DNA(spec.)—MANBB gene; seq.var. = ?

DNA(specification)—**MANEA gene;****sequence variation**

name of component: mannosidase, endo-alpha

[NPU47856](#)

DNA(spec.)—MANEA gene; seq.var. = ?

DNA(specification)—**MAOA gene;****sequence variation**

name of component: monoamine oxidase A

[NPU36609](#)

DNA(spec.)—MAOA gene; seq.var. = ?

DNA(specification)—**MAOB gene;****sequence variation**

name of component: monoamine oxidase B

[NPU36610](#)

DNA(spec.)—MAOB gene; seq.var. = ?

DNA(specification)—**MAP1A gene;****sequence variation**

name of component: microtubule-associated protein 1A

[NPU36611](#)

DNA(spec.)—MAP1A gene; seq.var. = ?

DNA(specification)—**MAP1B gene;****sequence variation**

name of component: microtubule-associated protein 1B

[NPU36612](#)

DNA(spec.)—MAP1B gene; seq.var. = ?

DNA(specification)—**MAP1LC3A gene;****sequence variation**

name of component: microtubule-associated protein 1 light chain 3 alpha

[NPU36613](#)

DNA(spec.)—MAP1LC3A gene; seq.var. = ?

DNA(specification)—**MAP1LC3B gene;****sequence variation**

name of component: microtubule-associated protein 1 light chain 3 beta

[NPU42096](#)

DNA(spec.)—MAP1LC3B gene; seq.var. = ?

DNA(specification)—**MAP2 gene;****sequence variation**

name of component: microtubule-associated protein 2

[NPU36614](#)

DNA(spec.)—MAP2 gene; seq.var. = ?

DNA(specification)—**MAP2K1 gene;****sequence variation**

name of component: mitogen-activated protein kinase kinase 1

[NPU36615](#)

DNA(spec.)—MAP2K1 gene; seq.var. = ?

DNA(specification)—**MAP2K1IP1 gene;****sequence variation**

name of component: mitogen-activated protein kinase kinase 1 interacting protein 1

[NPU43777](#)

DNA(spec.)—MAP2K1IP1 gene; seq.var. = ?

DNA(specification)—**MAP2K1P1 gene;****sequence variation**

name of component: mitogen-activated protein kinase kinase 1 pseudogene 1

[NPU36616](#)

DNA(spec.)—MAP2K1P1 gene; seq.var. = ?

DNA(specification)—**MAP2K2 gene;****sequence variation**

name of component: mitogen-activated protein kinase kinase 2

[NPU36617](#)

DNA(spec.)—MAP2K2 gene; seq.var. = ?

DNA(specification)—**MAP2K3 gene;****sequence variation**

name of component: mitogen-activated protein kinase kinase 3

[NPU36618](#)

DNA(spec.)—MAP2K3 gene; seq.var. = ?

DNA(specification)—**MAP2K4 gene;****sequence variation**

name of component: mitogen-activated protein kinase kinase 4

[NPU36619](#)

DNA(spec.)—MAP2K4 gene; seq.var. = ?

DNA(specification)—**MAP2K5 gene;****sequence variation**

name of component: mitogen-activated protein kinase kinase 5

[NPU36620](#)

DNA(spec.)—MAP2K5 gene; seq.var. = ?

DNA(specification)—**MAP2K6 gene;****sequence variation**

name of component: mitogen-activated protein kinase kinase 6

[NPU36621](#)

DNA(spec.)—MAP2K6 gene; seq.var. = ?

DNA(specification)—**MAP2K7 gene;****sequence variation**

name of component: mitogen-activated protein kinase kinase 7

[NPU36622](#)

DNA(spec.)—MAP2K7 gene; seq.var. = ?

DNA(specification)—**MAP3K1 gene;****sequence variation**

name of component: mitogen-activated protein kinase kinase kinase 1

[NPU36623](#)

DNA(spec.)—MAP3K1 gene; seq.var. = ?

DNA(specification)—**MAP3K10 gene;****sequence variation**

name of component: mitogen-activated protein kinase kinase kinase 10

[NPU36624](#)

DNA(spec.)—MAP3K10 gene; seq.var. = ?

DNA(specification)—**MAP3K11 gene;****sequence variation**

name of component: mitogen-activated protein kinase kinase kinase 11

[NPU36625](#)

DNA(spec.)—MAP3K11 gene; seq.var. = ?

DNA(specification)—**MAP3K12 gene;****sequence variation**

name of component: mitogen-activated protein kinase kinase kinase 12

[NPU36626](#)

DNA(spec.)—MAP3K12 gene; seq.var. = ?

DNA(specification)—**MAP3K13 gene;****sequence variation**

name of component: mitogen-activated protein kinase kinase kinase 13

[NPU36627](#)

DNA(spec.)—MAP3K13 gene; seq.var. = ?

DNA(specification)—**MAP3K14 gene;****sequence variation**

name of component: mitogen-activated protein kinase kinase kinase 14

[NPU36628](#)

DNA(spec.)—MAP3K14 gene; seq.var. = ?

DNA(specification)—**MAP3K2 gene;****sequence variation**

name of component: mitogen-activated protein kinase kinase kinase 2

[NPU36629](#)

DNA(spec.)—MAP3K2 gene; seq.var. = ?

DNA(specification)—**MAP3K3 gene;****sequence variation**

name of component: mitogen-activated protein kinase kinase kinase 3

[NPU36630](#)

DNA(spec.)—MAP3K3 gene; seq.var. = ?

DNA(specification)—**MAP3K4 gene;****sequence variation**

name of component: mitogen-activated protein kinase kinase kinase 4

[NPU36631](#)

DNA(spec.)—MAP3K4 gene; seq.var. = ?

DNA(specification)—**MAP3K5 gene;****sequence variation**

name of component: mitogen-activated protein kinase kinase kinase 5

[NPU36632](#)

DNA(spec.)—MAP3K5 gene; seq.var. = ?

DNA(specification)—**MAP3K6 gene;****sequence variation**

name of component: mitogen-activated protein kinase kinase kinase 6

[NPU36633](#)

DNA(spec.)—MAP3K6 gene; seq.var. = ?

DNA(specification)—**MAP3K7 gene;****sequence variation**

name of component: mitogen-activated protein kinase kinase kinase 7

[NPU36634](#)

DNA(spec.)—MAP3K7 gene; seq.var. = ?

DNA(specification)—**MAP3K7IP1 gene;****sequence variation**

name of component: mitogen-activated protein kinase kinase kinase 7 interacting protein 1

[NPU46333](#)

DNA(spec.)—MAP3K7IP1 gene; seq.var. = ?

DNA(specification)—**MAP3K7IP2 gene;****sequence variation**

name of component: mitogen-activated protein kinase kinase kinase 7 interacting protein 2

[NPU44838](#)

DNA(spec.)—MAP3K7IP2 gene; seq.var. = ?

DNA(specification)—**MAP3K8 gene;****sequence variation**

name of component: mitogen-activated protein kinase kinase kinase 8

[NPU36635](#)

DNA(spec.)—MAP3K8 gene; seq.var. = ?

DNA(specification)—**MAP3K9 gene;****sequence variation**

name of component: mitogen-activated protein kinase kinase kinase 9

[NPU36636](#)

DNA(spec.)—MAP3K9 gene; seq.var. = ?

DNA(specification)—**MAP4 gene;****sequence variation**

name of component: microtubule-associated protein 4

[NPU36637](#)

DNA(spec.)—MAP4 gene; seq.var. = ?

DNA(specification)—**MAP4K1 gene;****sequence variation**

name of component: mitogen-activated protein kinase kinase kinase 1

[NPU36638](#)

DNA(spec.)—MAP4K1 gene; seq.var. = ?

DNA(specification)—**MAP4K2 gene;****sequence variation**

name of component: mitogen-activated protein kinase kinase kinase 2

[NPU36639](#)

DNA(spec.)—MAP4K2 gene; seq.var. = ?

DNA(specification)—**MAP4K3 gene;****sequence variation**

name of component: mitogen-activated protein kinase kinase kinase 3

[NPU36640](#)

DNA(spec.)—MAP4K3 gene; seq.var. = ?

DNA(specification)—**MAP4K4 gene;****sequence variation**

name of component: mitogen-activated protein kinase kinase kinase 4

[NPU36641](#)

DNA(spec.)—MAP4K4 gene; seq.var. = ?

DNA(specification)—**MAP4K5 gene;****sequence variation**

name of component: mitogen-activated protein kinase kinase kinase 5

[NPU36642](#)

DNA(spec.)—MAP4K5 gene; seq.var. = ?

DNA(specification)—**MAP6 gene;****sequence variation**

name of component: microtubule-associated protein 6

[NPU36643](#)

DNA(spec.)—MAP6 gene; seq.var. = ?

DNA(specification)—**MAP7 gene;****sequence variation**

name of component: microtubule-associated protein 7

[NPU36644](#)

DNA(spec.)—MAP7 gene; seq.var. = ?

DNA(specification)—**MAPK1 gene;****sequence variation**

name of component: mitogen-activated protein kinase 1

[NPU36645](#)

DNA(spec.)—MAPK1 gene; seq.var. = ?

DNA(specification)—**MAPK10 gene;****sequence variation**

name of component: mitogen-activated protein kinase 10

[NPU36646](#)

DNA(spec.)—MAPK10 gene; seq.var. = ?

DNA(specification)—**MAPK11 gene;****sequence variation**

name of component: mitogen-activated protein kinase 11

[NPU36647](#)

DNA(spec.)—MAPK11 gene; seq.var. = ?

DNA(specification)—**MAPK12 gene;****sequence variation**

name of component: mitogen-activated protein kinase 12

[NPU36648](#)

DNA(spec.)—MAPK12 gene; seq.var. = ?

DNA(specification)—**MAPK13 gene;****sequence variation**

name of component: mitogen-activated protein kinase 13

[NPU36649](#)

DNA(spec.)—MAPK13 gene; seq.var. = ?

DNA(specification)—**MAPK14 gene;****sequence variation**

name of component: mitogen-activated protein kinase 14

[NPU36650](#)

DNA(spec.)—MAPK14 gene; seq.var. = ?

DNA(specification)—**MAPK3 gene;****sequence variation**

name of component: mitogen-activated protein kinase 3

[NPU36651](#)

DNA(spec.)—MAPK3 gene; seq.var. = ?

DNA(specification)—**MAPK4 gene;****sequence variation**

name of component: mitogen-activated protein kinase 4

[NPU36652](#)

DNA(spec.)—MAPK4 gene; seq.var. = ?

DNA(specification)—**MAPK6 gene;****sequence variation**

name of component: mitogen-activated protein kinase 6

[NPU36653](#)

DNA(spec.)—MAPK6 gene; seq.var. = ?

DNA(specification)—**MAPK7 gene;****sequence variation**

name of component: mitogen-activated protein kinase 7

[NPU36654](#)

DNA(spec.)—MAPK7 gene; seq.var. = ?

DNA(specification)—**MAPK8 gene;****sequence variation**

name of component: mitogen-activated protein kinase 8

[NPU36655](#)

DNA(spec.)—MAPK8 gene; seq.var. = ?

DNA(specification)—**MAPK8IP1 gene;****sequence variation**

name of component: mitogen-activated protein kinase 8 interacting protein 1

[NPU36656](#)

DNA(spec.)—MAPK8IP1 gene; seq.var. = ?

DNA(specification)—**MAPK8IP2 gene;****sequence variation**

name of component: mitogen-activated protein kinase 8 interacting protein 2

[NPU36657](#)

DNA(spec.)—MAPK8IP2 gene; seq.var. = ?

DNA(specification)—**MAPK8IP3 gene;****sequence variation**

name of component: mitogen-activated protein kinase 8 interacting protein 3

[NPU36658](#)

DNA(spec.)—MAPK8IP3 gene; seq.var. = ?

DNA(specification)—**MAPK8IPP gene;****sequence variation**

name of component: mitogen-activated protein kinase 8 interacting protein, pseudogene

[NPU36659](#)

DNA(spec.)—MAPK8IPP gene; seq.var. = ?

DNA(specification)—**MAPK9 gene;****sequence variation**

name of component: mitogen-activated protein kinase 9

[NPU36660](#)

DNA(spec.)—MAPK9 gene; seq.var. = ?

DNA(specification)—**MAPKAP1 gene;****sequence variation**

name of component: mitogen-activated protein kinase associated protein 1

[NPU46655](#)

DNA(spec.)—MAPKAP1 gene; seq.var. = ?

DNA(specification)—**MAPKAPK2 gene;****sequence variation**

name of component: mitogen-activated protein kinase-activated protein kinase 2

[NPU36661](#)

DNA(spec.)—MAPKAPK2 gene; seq.var. = ?

DNA(specification)—**MAPKAPK3 gene;****sequence variation**

name of component: mitogen-activated protein kinase-activated protein kinase 3

[NPU36662](#)

DNA(spec.)—MAPKAPK3 gene; seq.var. = ?

DNA(specification)—**MAPKAPK5 gene;****sequence variation**

name of component: mitogen-activated protein kinase-activated protein kinase 5

[NPU36663](#)

DNA(spec.)—MAPKAPK5 gene; seq.var. = ?

DNA(specification)—**MAPRE1 gene;****sequence variation**

name of component: microtubule-associated protein, RP/EB family, member 1

[NPU36664](#)

DNA(spec.)—MAPRE1 gene; seq.var. = ?

DNA(specification)—**MAPRE2 gene;****sequence variation**

name of component: microtubule-associated protein, RP/EB family, member 2

[NPU36665](#)

DNA(spec.)—MAPRE2 gene; seq.var. = ?

DNA(specification)—**MAPRE3 gene;****sequence variation**

name of component: microtubule-associated protein, RP/EB family, member 3

[NPU36666](#)

DNA(spec.)—MAPRE3 gene; seq.var. = ?

DNA(specification)—**MAPT gene;****sequence variation**

name of component: microtubule-associated protein tau

[NPU36667](#)

DNA(spec.)—MAPT gene; seq.var. = ?

DNA(specification)—**MARCKS gene;****sequence variation**

name of component: myristoylated alanine-rich protein kinase C substrate

[NPU36554](#)

DNA(spec.)—MARCKS gene; seq.var. = ?

DNA(specification)—**MARCO gene;****sequence variation**

name of component: macrophage receptor with collagenous structure

[NPU36668](#)

DNA(spec.)—MARCO gene; seq.var. = ?

DNA(specification)—**MARK1 gene;****sequence variation**

name of component: MAP/microtubule affinity-regulating kinase 1

[NPU36669](#)

DNA(spec.)—MARK1 gene; seq.var. = ?

DNA(specification)—**MARK2 gene;****sequence variation**

name of component: MAP/microtubule affinity-regulating kinase 2

[NPU32651](#)

DNA(spec.)—MARK2 gene; seq.var. = ?

DNA(specification)—**MARK3 gene;****sequence variation**

name of component: MAP/microtubule affinity-regulating kinase 3

[NPU36670](#)

DNA(spec.)—MARK3 gene; seq.var. = ?

DNA(specification)—**MARK4 gene;****sequence variation**

name of component: MAP/microtubule affinity-regulating kinase 4

[NPU42180](#)

DNA(spec.)—MARK4 gene; seq.var. = ?

DNA(specification)—**MARS gene;****sequence variation**

name of component: methionine-tRNA synthetase

[NPU36671](#)

DNA(spec.)—MARS gene; seq.var. = ?

DNA(specification)—**MAS1 gene;****sequence variation**

name of component: MAS1 oncogene

[NPU36672](#)

DNA(spec.)—MAS1 gene; seq.var. = ?

DNA(specification)—**MAS1L gene;****sequence variation**

name of component: MAS1 oncogene-like

[NPU42416](#)

DNA(spec.)—MAS1L gene; seq.var. = ?

DNA(specification)—**MASP1 gene;****sequence variation**

name of component: mannan-binding lectin serine protease 1 (C4/C2 activating component of R-factor)

[NPU19129](#)

DNA(spec.)—MASP1 gene; seq.var. = ?

DNA(specification)—**MASP1P1 gene;****sequence variation**

name of component: mannan-binding lectin serine protease 1 pseudogene 1

[NPU46542](#)

DNA(spec.)—MASP1P1 gene; seq.var. = ?

DNA(specification)—**MASP2 gene;****sequence variation**

name of component: mannan-binding lectin serine protease 2

[NPU19130](#)

DNA(spec.)—MASP2 gene; seq.var. = ?

DNA(specification)—**MASS1 gene;****sequence variation**

name of component: monogenic, audiogenic seizure susceptibility 1 homolog (mouse)

[NPU46021](#)

DNA(spec.)—MASS1 gene; seq.var. = ?

DNA(specification)—**MAT1A gene;****sequence variation**

name of component: methionine adenosyltransferase I, alpha

[NPU36673](#)

DNA(spec.)—MAT1A gene; seq.var. = ?

DNA(specification)—**MAT2A gene;****sequence variation**

name of component: methionine adenosyltransferase II, alpha

[NPU36674](#)

DNA(spec.)—MAT2A gene; seq.var. = ?

DNA(specification)—**MAT2B gene;****sequence variation**

name of component: methionine adenosyltransferase II, beta

[NPU36675](#)

DNA(spec.)—MAT2B gene; seq.var. = ?

DNA(specification)—**MATK gene;****sequence variation**

name of component: megakaryocyte-associated tyrosine kinase

[NPU36676](#)

DNA(spec.)—MATK gene; seq.var. = ?

DNA(specification)—**MATN1 gene;****sequence variation**

name of component: matrilin 1, cartilage matrix protein

[NPU36677](#)

DNA(spec.)—MATN1 gene; seq.var. = ?

DNA(specification)—**MATN2 gene;****sequence variation**

name of component: matrilin 2

[NPU36678](#)

DNA(spec.)—MATN2 gene; seq.var. = ?

DNA(specification)—**MATN3 gene;****sequence variation**

name of component: matrilin 3

[NPU36679](#)

DNA(spec.)—MATN3 gene; seq.var. = ?

DNA(specification)—**MATN4 gene;****sequence variation**

name of component: matrilin 4

[NPU36680](#)

DNA(spec.)—MATN4 gene; seq.var. = ?

DNA(specification)—**MATR1 gene;****sequence variation**

name of component: matrin F/G 1

[NPU36681](#)

DNA(spec.)—MATR1 gene; seq.var. = ?

DNA(specification)—**MATR3 gene;****sequence variation**

name of component: matrin 3

[NPU36682](#)

DNA(spec.)—MATR3 gene; seq.var. = ?

DNA(specification)—**MAX gene;****sequence variation**

name of component: MAX protein

[NPU36683](#)

DNA(spec.)—MAX gene; seq.var. = ?

DNA(specification)—**MAZ gene;****sequence variation**

name of component: MYC-associated zinc finger protein (purine-binding transcription factor)

[NPU36684](#)

DNA(spec.)—MAZ gene; seq.var. = ?

DNA(specification)—**MB gene;****sequence variation**

name of component: myoglobin

[NPU36685](#)

DNA(spec.)—MB gene; seq.var. = ?

DNA(specification)—**MBD1 gene;****sequence variation**

name of component: methyl-CpG binding domain protein 1

[NPU36686](#)

DNA(spec.)—MBD1 gene; seq.var. = ?

DNA(specification)—**MBD2 gene;****sequence variation**

name of component: methyl-CpG binding domain protein 2

[NPU36687](#)

DNA(spec.)—MBD2 gene; seq.var. = ?

DNA(specification)—**MBD3 gene;****sequence variation**

name of component: methyl-CpG binding domain protein 3

[NPU36688](#)

DNA(spec.)—MBD3 gene; seq.var. = ?

DNA(specification)—**MBD3L1 gene;****sequence variation**

name of component: methyl-CpG binding domain protein 3-like 1

[NPU43890](#)

DNA(spec.)—MBD3L1 gene; seq.var. = ?

DNA(specification)—**MBD3L2 gene;****sequence variation**

name of component: methyl-CpG binding domain protein 3-like 2

[NPU46516](#)

DNA(spec.)—MBD3L2 gene; seq.var. = ?

DNA(specification)—**MBD4 gene;****sequence variation**

name of component: methyl-CpG binding domain protein 4

[NPU36689](#)

DNA(spec.)—MBD4 gene; seq.var. = ?

DNA(specification)—**MBD5 gene;****sequence variation**

name of component: methyl-CpG binding domain protein 5

[NPU47621](#)

DNA(spec.)—MBD5 gene; seq.var. = ?

DNA(specification)—**MBD6 gene;****sequence variation**

name of component: methyl-CpG binding domain protein 6

[NPU47622](#)

DNA(spec.)—MBD6 gene; seq.var. = ?

DNA(specification)—**MBL1P1 gene;****sequence variation**

name of component: mannose-binding lectin (protein A) 1, pseudogene 1

[NPU36690](#)

DNA(spec.)—MBL1P1 gene; seq.var. = ?

DNA(specification)—**MBL2 gene;****sequence variation**

name of component: mannose-binding lectin (protein C) 2, soluble (opsonic defect)

[NPU19131](#)

DNA(spec.)—MBL2 gene; seq.var. = ?

DNA(specification)—**MBNL1 gene;****sequence variation**

name of component: muscleblind-like (Drosophila)

[NPU36691](#)

DNA(spec.)—MBNL1 gene; seq.var. = ?

DNA(specification)—**MBNL2 gene;****sequence variation**

name of component: muscleblind-like 2 (Drosophila)

[NPU44668](#)

DNA(spec.)—MBNL2 gene; seq.var. = ?

DNA(specification)—**MBNL3 gene;****sequence variation**

name of component: muscleblind-like 3 (Drosophila)

[NPU47662](#)

DNA(spec.)—MBNL3 gene; seq.var. = ?

DNA(specification)—**MBP gene;****sequence variation**

name of component: myelin basic protein

[NPU36693](#)

DNA(spec.)—MBP gene; seq.var. = ?

DNA(specification)—**MBS1 gene;****sequence variation**

name of component: Moebius syndrome 1

[NPU36694](#)

DNA(spec.)—MBS1 gene; seq.var. = ?

DNA(specification)—
MBS2 gene;
sequence variation
name of component: Moebius syndrome 2
[NPU36695](#)
DNA(spec.)—MBS2 gene; seq.var. = ?

DNA(specification)—
MBS3 gene;
sequence variation
name of component: Moebius syndrome 3
[NPU36696](#)
DNA(spec.)—MBS3 gene; seq.var. = ?

DNA(specification)—
MBTD1 gene;
sequence variation
name of component: mbt domain containing 1
[NPU47285](#)
DNA(spec.)—MBTD1 gene; seq.var. = ?

DNA(specification)—
MBTPS1 gene;
sequence variation
name of component: membrane-bound transcription factor protease, site 1
[NPU43674](#)
DNA(spec.)—MBTPS1 gene; seq.var. = ?

DNA(specification)—
MBTPS2 gene;
sequence variation
name of component: membrane-bound transcription factor protease, site 2
[NPU43673](#)
DNA(spec.)—MBTPS2 gene; seq.var. = ?

DNA(specification)—
MC1R gene;
sequence variation
name of component: melanocortin 1 receptor (alpha melanocyte stimulating hormone receptor)
[NPU36697](#)
DNA(spec.)—MC1R gene; seq.var. = ?

DNA(specification)—
MC2R gene;
sequence variation
name of component: melanocortin 2 receptor (adrenocorticotrophic hormone)
[NPU36698](#)
DNA(spec.)—MC2R gene; seq.var. = ?

DNA(specification)—
MC3R gene;
sequence variation
name of component: melanocortin 3 receptor
[NPU36699](#)
DNA(spec.)—MC3R gene; seq.var. = ?

DNA(specification)—
MC4R gene;
sequence variation
name of component: melanocortin 4 receptor
[NPU36700](#)
DNA(spec.)—MC4R gene; seq.var. = ?

DNA(specification)—
MC5R gene;
sequence variation
name of component: melanocortin 5 receptor
[NPU36701](#)
DNA(spec.)—MC5R gene; seq.var. = ?

DNA(specification)—
MCAM gene;
sequence variation
name of component: melanoma cell adhesion molecule
[NPU36702](#)
DNA(spec.)—MCAM gene; seq.var. = ?

DNA(specification)—
MCC gene;
sequence variation
name of component: mutated in colorectal cancers
[NPU36703](#)
DNA(spec.)—MCC gene; seq.var. = ?

DNA(specification)—
MCCC1 gene;
sequence variation
name of component: methylcrotonoyl-Coenzyme A carboxylase 1 (alpha)
[NPU19132](#)
DNA(spec.)—MCCC1 gene; seq.var. = ?

DNA(specification)—
MCCC2 gene;
sequence variation
name of component: methylcrotonoyl-Coenzyme A carboxylase 2 (beta)
[NPU19133](#)
DNA(spec.)—MCCC2 gene; seq.var. = ?

DNA(specification)—
MCDR1 gene;
sequence variation
name of component: macular dystrophy, retinal, 1 (North Carolina type)
[NPU36705](#)
DNA(spec.)—MCDR1 gene; seq.var. = ?

DNA(specification)—
MCDR2 gene;
sequence variation
name of component: macular dystrophy, retinal 2
[NPU46462](#)
DNA(spec.)—MCDR2 gene; seq.var. = ?

DNA(specification)—**MCDR3 gene;****sequence variation**

name of component: macular dystrophy, retinal 3

[NPU47486](#)

DNA(spec.)—MCDR3 gene; seq.var. = ?

DNA(specification)—**MCEE gene;****sequence variation**

name of component: methylmalonyl CoA epimerase

[NPU44665](#)

DNA(spec.)—MCEE gene; seq.var. = ?

DNA(specification)—**MCF2 gene;****sequence variation**

name of component: MCF.2 cell line derived transforming sequence

[NPU36706](#)

DNA(spec.)—MCF2 gene; seq.var. = ?

DNA(specification)—**MCF2L gene;****sequence variation**

name of component: MCF.2 cell line derived transforming sequence-like

[NPU42874](#)

DNA(spec.)—MCF2L gene; seq.var. = ?

DNA(specification)—**MCKD1 gene;****sequence variation**

name of component: medullary cystic kidney disease 1 (autosomal dominant)

[NPU36707](#)

DNA(spec.)—MCKD1 gene; seq.var. = ?

DNA(specification)—**MCKD2 gene;****sequence variation**

name of component: medullary cystic kidney disease 2 (autosomal dominant)

[NPU36708](#)

DNA(spec.)—MCKD2 gene; seq.var. = ?

DNA(specification)—**MCL1 gene;****sequence variation**

name of component: myeloid cell leukemia sequence 1 (BCL2-related)

[NPU36709](#)

DNA(spec.)—MCL1 gene; seq.var. = ?

DNA(specification)—**MCM10 gene;****sequence variation**name of component: MCM10 minichromosome maintenance deficient 10 (*S. cerevisiae*)[NPU46246](#)

DNA(spec.)—MCM10 gene; seq.var. = ?

DNA(specification)—**MCM2 gene;****sequence variation**name of component: MCM2 minichromosome maintenance deficient 2, mitotin (*S. cerevisiae*)[NPU36710](#)

DNA(spec.)—MCM2 gene; seq.var. = ?

DNA(specification)—**MCM3 gene;****sequence variation**name of component: MCM3 minichromosome maintenance deficient 3 (*S. cerevisiae*)[NPU36711](#)

DNA(spec.)—MCM3 gene; seq.var. = ?

DNA(specification)—**MCM3AP gene;****sequence variation**name of component: MCM3 minichromosome maintenance deficient 3 (*S. cerevisiae*) associated protein[NPU36712](#)

DNA(spec.)—MCM3AP gene; seq.var. = ?

DNA(specification)—**MCM3APAS gene;****sequence variation**name of component: MCM3 minichromosome maintenance deficient 3 (*S. cerevisiae*) associated protein, antisense[NPU44421](#)

DNA(spec.)—MCM3APAS gene; seq.var. = ?

DNA(specification)—**MCM4 gene;****sequence variation**name of component: MCM4 minichromosome maintenance deficient 4 (*S. cerevisiae*)[NPU36713](#)

DNA(spec.)—MCM4 gene; seq.var. = ?

DNA(specification)—**MCM5 gene;****sequence variation**name of component: MCM5 minichromosome maintenance deficient 5, cell division cycle 46 (*S. cerevisiae*)[NPU36714](#)

DNA(spec.)—MCM5 gene; seq.var. = ?

DNA(specification)—**MCM6 gene;****sequence variation**

name of component: MCM6 minichromosome maintenance deficient 6 (MIS5 homolog, *S. pombe*) (*S. cerevisiae*)

[NPU36715](#)

DNA(spec.)—MCM6 gene; seq.var. = ?

DNA(specification)—**MCM7 gene;****sequence variation**

name of component: MCM7 minichromosome maintenance deficient 7 (*S. cerevisiae*)

[NPU36716](#)

DNA(spec.)—MCM7 gene; seq.var. = ?

DNA(specification)—**MCO gene;****sequence variation**

name of component: microphthalmia (Los Angeles type)

[NPU36717](#)

DNA(spec.)—MCO gene; seq.var. = ?

DNA(specification)—**MCOLN1 gene;****sequence variation**

name of component: mucolipin 1

[NPU42097](#)

DNA(spec.)—MCOLN1 gene; seq.var. = ?

DNA(specification)—**MCOLN2 gene;****sequence variation**

name of component: mucolipin 2

[NPU42098](#)

DNA(spec.)—MCOLN2 gene; seq.var. = ?

DNA(specification)—**MCOLN3 gene;****sequence variation**

name of component: mucolipin 3

[NPU42099](#)

DNA(spec.)—MCOLN3 gene; seq.var. = ?

DNA(specification)—**MCP gene;****sequence variation**

name of component: membrane cofactor protein (CD46, trophoblast-lymphocyte cross-reactive antigen)

[NPU36718](#)

DNA(spec.)—MCP gene; seq.var. = ?

DNA(specification)—**MCPH1 gene;****sequence variation**

name of component: microcephaly, primary autosomal recessive 1

[NPU36719](#)

DNA(spec.)—MCPH1 gene; seq.var. = ?

DNA(specification)—**MCPH2 gene;****sequence variation**

name of component: microcephaly, primary autosomal recessive 2

[NPU36720](#)

DNA(spec.)—MCPH2 gene; seq.var. = ?

DNA(specification)—**MCPH3 gene;****sequence variation**

name of component: microcephaly, primary autosomal recessive 3

[NPU36721](#)

DNA(spec.)—MCPH3 gene; seq.var. = ?

DNA(specification)—**MCPH4 gene;****sequence variation**

name of component: microcephaly, primary autosomal recessive 4

[NPU36722](#)

DNA(spec.)—MCPH4 gene; seq.var. = ?

DNA(specification)—**MCPH5 gene;****sequence variation**

name of component: microcephaly, primary autosomal recessive 5

[NPU36723](#)

DNA(spec.)—MCPH5 gene; seq.var. = ?

DNA(specification)—**MCPH6 gene;****sequence variation**

name of component: microcephaly, primary autosomal recessive 6

[NPU44861](#)

DNA(spec.)—MCPH6 gene; seq.var. = ?

DNA(specification)—**MCPHA gene;****sequence variation**

name of component: microcephaly, Amish

[NPU43808](#)

DNA(spec.)—MCPHA gene; seq.var. = ?

DNA(specification)—**MCPL gene;****sequence variation**

name of component: membrane cofactor protein-like (CD46-like, trophoblast-lymphocyte cross-reactive antigen-like)

[NPU36724](#)

DNA(spec.)—MCPL gene; seq.var. = ?

DNA(specification)—**MCRS1 gene;****sequence variation**

name of component: microspherule protein 1

[NPU36725](#)

DNA(spec.)—MCRS1 gene; seq.var. = ?

DNA(specification)—**MCS gene;****sequence variation**

name of component: Miles-Carpenter X-linked mental retardation syndrome

[NPU36726](#)

DNA(spec.)—MCS gene; seq.var. = ?

DNA(specification)—**MCSP gene;****sequence variation**

name of component: mitochondrial capsule selenoprotein

[NPU36727](#)

DNA(spec.)—MCSP gene; seq.var. = ?

DNA(specification)—**MDC1 gene;****sequence variation**

name of component: mediator of DNA damage checkpoint 1

[NPU47894](#)

DNA(spec.)—MDC1 gene; seq.var. = ?

DNA(specification)—**MDCR gene;****sequence variation**

name of component: Miller-Dieker syndrome chromosome region

[NPU36728](#)

DNA(spec.)—MDCR gene; seq.var. = ?

DNA(specification)—**MDF1 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody A-3A4

[NPU36729](#)

DNA(spec.)—MDF1 gene; seq.var. = ?

DNA(specification)—**MDFI gene;****sequence variation**

name of component: MyoD family inhibitor

[NPU36730](#)

DNA(spec.)—MDFI gene; seq.var. = ?

DNA(specification)—**MDGA1 gene;****sequence variation**

name of component: MAM domain containing glycosylphosphatidylinositol anchor 1

[NPU46947](#)

DNA(spec.)—MDGA1 gene; seq.var. = ?

DNA(specification)—**MDH1 gene;****sequence variation**

name of component: malate dehydrogenase 1, NAD (soluble)

[NPU36732](#)

DNA(spec.)—MDH1 gene; seq.var. = ?

DNA(specification)—**MDH1B gene;****sequence variation**

name of component: malate dehydrogenase 1B, NAD (soluble)

[NPU46133](#)

DNA(spec.)—MDH1B gene; seq.var. = ?

DNA(specification)—**MDH2 gene;****sequence variation**

name of component: malate dehydrogenase 2, NAD (mitochondrial)

[NPU36733](#)

DNA(spec.)—MDH2 gene; seq.var. = ?

DNA(specification)—**MDK gene;****sequence variation**

name of component: midkine (neurite growth-promoting factor 2)

[NPU36734](#)

DNA(spec.)—MDK gene; seq.var. = ?

DNA(specification)—**MDM2 gene;****sequence variation**

name of component: Mdm2, transformed 3T3 cell double minute 2, p53 binding protein (mouse)

[NPU36735](#)

DNA(spec.)—MDM2 gene; seq.var. = ?

DNA(specification)—**MDM4 gene;****sequence variation**

name of component: Mdm4, transformed 3T3 cell double minute 4, p53 binding protein (mouse)

[NPU36736](#)

DNA(spec.)—MDM4 gene; seq.var. = ?

DNA(specification)—**MDN1 gene;****sequence variation**

name of component: MDN1, midasin homolog (yeast)

[NPU46388](#)

DNA(spec.)—MDN1 gene; seq.var. = ?

DNA(specification)—**MDRV gene;****sequence variation**

name of component: muscular dystrophy, with rimmed vacuoles

[NPU36737](#)

DNA(spec.)—MDRV gene; seq.var. = ?

DNA(specification)—**MDS1 gene;****sequence variation**

name of component: myelodysplasia syndrome 1

[NPU36738](#)

DNA(spec.)—MDS1 gene; seq.var. = ?

DNA(specification)—**ME1 gene;****sequence variation**

name of component: malic enzyme 1, NADP(+)-dependent, cytosolic

[NPU36739](#)

DNA(spec.)—ME1 gene; seq.var. = ?

DNA(specification)—**ME2 gene;****sequence variation**

name of component: malic enzyme 2, NAD(+)-dependent, mitochondrial

[NPU36740](#)

DNA(spec.)—ME2 gene; seq.var. = ?

DNA(specification)—**ME3 gene;****sequence variation**

name of component: malic enzyme 3, NADP(+)-dependent, mitochondrial

[NPU36741](#)

DNA(spec.)—ME3 gene; seq.var. = ?

DNA(specification)—**MEA gene;****sequence variation**

name of component: male-enhanced antigen

[NPU36742](#)

DNA(spec.)—MEA gene; seq.var. = ?

DNA(specification)—**MEAX gene;****sequence variation**

name of component: myopathy with excessive autophagy

[NPU36743](#)

DNA(spec.)—MEAX gene; seq.var. = ?

DNA(specification)—**MEB gene;****sequence variation**

name of component: muscle-eye-brain disease

[NPU36744](#)

DNA(spec.)—MEB gene; seq.var. = ?

DNA(specification)—**MECP2 gene;****sequence variation**

name of component: methyl CpG binding protein 2 (Rett syndrome)

[NPU19134](#)

DNA(spec.)—MECP2 gene; seq.var. = ?

DNA(specification)—**MECT1 gene;****sequence variation**

name of component: mucoepidermoid carcinoma translocated 1

[NPU44116](#)

DNA(spec.)—MECT1 gene; seq.var. = ?

DNA(specification)—**MED6 gene;****sequence variation**

name of component: mediator of RNA polymerase II transcription, subunit 6 homolog (yeast)

[NPU47333](#)

DNA(spec.)—MED6 gene; seq.var. = ?

DNA(specification)—**MED8 gene;****sequence variation**

name of component: mediator of RNA polymerase II transcription, subunit 8 homolog (yeast)

[NPU47334](#)

DNA(spec.)—MED8 gene; seq.var. = ?

DNA(specification)—**MEF2A gene;****sequence variation**

name of component: MADS box transcription enhancer factor 2, polypeptide A (myocyte enhancer factor 2A)

[NPU36745](#)

DNA(spec.)—MEF2A gene; seq.var. = ?

DNA(specification)—**MEF2AP gene;****sequence variation**

name of component: MADS box transcription enhancer factor 2, polypeptide A pseudogene

[NPU36746](#)

DNA(spec.)—MEF2AP gene; seq.var. = ?

DNA(specification)—**MEF2B gene;****sequence variation**

name of component: MADS box transcription enhancer factor 2, polypeptide B (myocyte enhancer factor 2B)

[NPU36747](#)

DNA(spec.)—MEF2B gene; seq.var. = ?

DNA(specification)—**MEF2C gene;****sequence variation**

name of component: MADS box transcription enhancer factor 2, polypeptide C (myocyte enhancer factor 2C)

[NPU36748](#)

DNA(spec.)—MEF2C gene; seq.var. = ?

DNA(specification)—**MEF2D gene;****sequence variation**

name of component: MADS box transcription enhancer factor 2, polypeptide D (myocyte enhancer factor 2D)

[NPU36749](#)

DNA(spec.)—MEF2D gene; seq.var. = ?

DNA(specification)—**MEFV gene;****sequence variation**

name of component: Mediterranean fever

[NPU19135](#)

DNA(spec.)—MEFV gene; seq.var. = ?

DNA(specification)—**MEFV gene(MIM249100.0001);****entitic number(0 1 2)**

[NPU19292](#)

DNA(spec.)—MEFV gene(MIM249100.0001);

entitic num.(0 1 2) = ?

DNA(specification)—**MEG3 gene;****sequence variation**

name of component: maternally expressed 3

[NPU42873](#)

DNA(spec.)—MEG3 gene; seq.var. = ?

DNA(specification)—**MEG8 gene;****sequence variation**

name of component: maternally expressed (in Calipye) 8

[NPU42872](#)

DNA(spec.)—MEG8 gene; seq.var. = ?

DNA(specification)—**MEHMO gene;****sequence variation**

name of component: mental retardation, epileptic seizures, hypogonadism and -genitalism, microcephaly and obesity syndrome

[NPU36750](#)

DNA(spec.)—MEHMO gene; seq.var. = ?

DNA(specification)—**MEIS1 gene;****sequence variation**

name of component: Meis1, myeloid ecotropic viral integration site 1 homolog (mouse)

[NPU36751](#)

DNA(spec.)—MEIS1 gene; seq.var. = ?

DNA(specification)—**MEIS2 gene;****sequence variation**

name of component: Meis1, myeloid ecotropic viral integration site 1 homolog 2 (mouse)

[NPU36752](#)

DNA(spec.)—MEIS2 gene; seq.var. = ?

DNA(specification)—**MEIS3 gene;****sequence variation**

name of component: Meis1, myeloid ecotropic viral integration site 1 homolog 3 (mouse)

[NPU36753](#)

DNA(spec.)—MEIS3 gene; seq.var. = ?

DNA(specification)—**MEL gene;****sequence variation**

name of component: mel transforming oncogene (derived from cell line NK14)- RAB8 homolog

[NPU36754](#)

DNA(spec.)—MEL gene; seq.var. = ?

DNA(specification)—**MELK gene;****sequence variation**

name of component: maternal embryonic leucine zipper kinase

[NPU44750](#)

DNA(spec.)—MELK gene; seq.var. = ?

DNA(specification)—**MELL1 gene;****sequence variation**

name of component: mel transforming oncogene-like 1

[NPU36755](#)

DNA(spec.)—MELL1 gene; seq.var. = ?

DNA(specification)—**MEN1 gene;****sequence variation**

name of component: multiple endocrine neoplasia I

[NPU19136](#)

DNA(spec.)—MEN1 gene; seq.var. = ?

DNA(specification)—**MEOX1 gene;****sequence variation**

name of component: mesenchyme homeo box 1

[NPU36756](#)

DNA(spec.)—MEOX1 gene; seq.var. = ?

DNA(specification)—**MEOX2 gene;****sequence variation**

name of component: mesenchyme homeo box 2 (growth arrest-specific homeo box)

[NPU36757](#)

DNA(spec.)—MEOX2 gene; seq.var. = ?

DNA(specification)—**MEP1A gene;****sequence variation**

name of component: meprin A, alpha (PABA peptide hydrolase)

[NPU36758](#)

DNA(spec.)—MEP1A gene; seq.var. = ?

DNA(specification)—**MEP1AL1 gene;****sequence variation**

name of component: meprin A, alpha-like 1

[NPU36759](#)

DNA(spec.)—MEP1AL1 gene; seq.var. = ?

DNA(specification)—**MEP1AL2 gene;****sequence variation**

name of component: meprin A, alpha-like 2

[NPU36760](#)

DNA(spec.)—MEP1AL2 gene; seq.var. = ?

DNA(specification)—**MEP1AL3 gene;****sequence variation**

name of component: meprin A, alpha-like 3

[NPU36761](#)

DNA(spec.)—MEP1AL3 gene; seq.var. = ?

DNA(specification)—**MEP1AL4 gene;****sequence variation**

name of component: meprin A, alpha-like 4

[NPU36762](#)

DNA(spec.)—MEP1AL4 gene; seq.var. = ?

DNA(specification)—**MEP1B gene;****sequence variation**

name of component: meprin A, beta

[NPU36763](#)

DNA(spec.)—MEP1B gene; seq.var. = ?

DNA(specification)—**MEPE gene;****sequence variation**

name of component: matrix, extracellular phosphoglycoprotein with ASARM motif (bone)

[NPU42100](#)

DNA(spec.)—MEPE gene; seq.var. = ?

DNA(specification)—**MER1 gene;****sequence variation**

name of component: antigen identified by monoclonal antibodies W6/34, 5C1, etc. (formerly lethal antigen 1)

[NPU36764](#)

DNA(spec.)—MER1 gene; seq.var. = ?

DNA(specification)—**MER2 gene;****sequence variation**

name of component: antigen identified by monoclonal antibodies 1D12, 2F7

[NPU36765](#)

DNA(spec.)—MER2 gene; seq.var. = ?

DNA(specification)—**MER5 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody 2D8

[NPU36766](#)

DNA(spec.)—MER5 gene; seq.var. = ?

DNA(specification)—**MERTK gene;****sequence variation**

name of component: c-mer proto-oncogene tyrosine kinase

[NPU36767](#)

DNA(spec.)—MERTK gene; seq.var. = ?

DNA(specification)—**MESDC1 gene;****sequence variation**

name of component: mesoderm development candidate 1

[NPU42165](#)

DNA(spec.)—MESDC1 gene; seq.var. = ?

DNA(specification)—**MESDC2 gene;****sequence variation**

name of component: mesoderm development candidate 2

[NPU42166](#)

DNA(spec.)—MESDC2 gene; seq.var. = ?

DNA(specification)—**MEST gene;****sequence variation**

name of component: mesoderm specific transcript homolog (mouse)

[NPU36768](#)

DNA(spec.)—MEST gene; seq.var. = ?

DNA(specification)—**MESTIT1 gene;****sequence variation**

name of component: MEST intronic transcript 1

[NPU46211](#)

DNA(spec.)—MESTIT1 gene; seq.var. = ?

DNA(specification)—**MET gene;****sequence variation**

name of component: met proto-oncogene (hepatocyte growth factor receptor)

[NPU36769](#)

DNA(spec.)—MET gene; seq.var. = ?

DNA(specification)—**METAP1 gene;****sequence variation**

name of component: methionyl aminopeptidase 1

[NPU43899](#)

DNA(spec.)—METAP1 gene; seq.var. = ?

DNA(specification)—**METAP2 gene;****sequence variation**

name of component: methionyl aminopeptidase 2

[NPU44632](#)

DNA(spec.)—METAP2 gene; seq.var. = ?

DNA(specification)—**METTL1 gene;****sequence variation**

name of component: methyltransferase-like 1

[NPU36770](#)

DNA(spec.)—METTL1 gene; seq.var. = ?

DNA(specification)—**METTL2 gene;****sequence variation**

name of component: methyltransferase like 2

[NPU46373](#)

DNA(spec.)—METTL2 gene; seq.var. = ?

DNA(specification)—**METTL3 gene;****sequence variation**

name of component: methyltransferase like 3

[NPU46050](#)

DNA(spec.)—METTL3 gene; seq.var. = ?

DNA(specification)—**MF4 gene;****sequence variation**

name of component: metacarpal 4-5 fusion

[NPU36771](#)

DNA(spec.)—MF4 gene; seq.var. = ?

DNA(specification)—**MFAP1 gene;****sequence variation**

name of component: microfibrillar-associated protein 1

[NPU36772](#)

DNA(spec.)—MFAP1 gene; seq.var. = ?

DNA(specification)—**MFAP2 gene;****sequence variation**

name of component: microfibrillar-associated protein 2

[NPU36773](#)

DNA(spec.)—MFAP2 gene; seq.var. = ?

DNA(specification)—**MFAP3 gene;****sequence variation**

name of component: microfibrillar-associated protein 3

[NPU36774](#)

DNA(spec.)—MFAP3 gene; seq.var. = ?

DNA(specification)—**MFAP4 gene;****sequence variation**

name of component: microfibrillar-associated protein 4

[NPU36775](#)

DNA(spec.)—MFAP4 gene; seq.var. = ?

DNA(specification)—**MFGE8 gene;****sequence variation**

name of component: milk fat globule-EGF factor 8 protein

[NPU36776](#)

DNA(spec.)—MFGE8 gene; seq.var. = ?

DNA(specification)—**MFHAS1 gene;****sequence variation**

name of component: malignant fibrous histiocytoma amplified sequence 1

[NPU44798](#)

DNA(spec.)—MFHAS1 gene; seq.var. = ?

DNA(specification)—**MF12 gene;****sequence variation**

name of component: antigen p97 (melanoma associated) identified by monoclonal antibodies 133.2 and 96.5

[NPU36777](#)

DNA(spec.)—MF12 gene; seq.var. = ?

DNA(specification)—**MFN1 gene;****sequence variation**

name of component: mitofusin 1

[NPU46366](#)

DNA(spec.)—MFN1 gene; seq.var. = ?

DNA(specification)—**MFN2 gene;****sequence variation**

name of component: mitofusin 2

[NPU44755](#)

DNA(spec.)—MFN2 gene; seq.var. = ?

DNA(specification)—**MFNG gene;****sequence variation**

name of component: manic fringe homolog (Drosophila)

[NPU36778](#)

DNA(spec.)—MFNG gene; seq.var. = ?

DNA(specification)—**MFRP gene;****sequence variation**

name of component: membrane frizzled-related protein

[NPU46309](#)

DNA(spec.)—MFRP gene; seq.var. = ?

DNA(specification)—**MFS2 gene;****sequence variation**

name of component: Marfan syndrome 2

[NPU36779](#)

DNA(spec.)—MFS2 gene; seq.var. = ?

DNA(specification)—**MGA gene;****sequence variation**

name of component: MAX gene associated

[NPU42445](#)

DNA(spec.)—MGA gene; seq.var. = ?

DNA(specification)—**MGAM gene;****sequence variation**

name of component: maltase-glucoamylase (alpha-glucosidase)

[NPU36780](#)

DNA(spec.)—MGAM gene; seq.var. = ?

DNA(specification)—**MGAT1 gene;****sequence variation**

name of component: mannosyl (alpha-1,3-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase

[NPU36781](#)

DNA(spec.)—MGAT1 gene; seq.var. = ?

DNA(specification)—**MGAT2 gene;****sequence variation**

name of component: mannosyl (alpha-1,6-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase

[NPU36782](#)

DNA(spec.)—MGAT2 gene; seq.var. = ?

DNA(specification)—**MGAT3 gene;****sequence variation**

name of component: mannosyl (beta-1,4-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase

[NPU36783](#)

DNA(spec.)—MGAT3 gene; seq.var. = ?

DNA(specification)—**MGAT4A gene;****sequence variation**

name of component: mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isoenzyme A

[NPU36784](#)

DNA(spec.)—MGAT4A gene; seq.var. = ?

DNA(specification)—**MGAT4B gene;****sequence variation**

name of component: mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isoenzyme B

[NPU36785](#)

DNA(spec.)—MGAT4B gene; seq.var. = ?

DNA(specification)—**MGAT5 gene;****sequence variation**

name of component: mannosyl (alpha-1,6-)-glycoprotein beta-1,6-N-acetylglucosaminyltransferase

[NPU36786](#)

DNA(spec.)—MGAT5 gene; seq.var. = ?

DNA(specification)—**MGC1 gene;****sequence variation**

name of component: megalocornea 1 (X-linked)

[NPU36789](#)

DNA(spec.)—MGC1 gene; seq.var. = ?

DNA(specification)—**MGCR gene;****sequence variation**

name of component: meningioma chromosome region

[NPU36790](#)

DNA(spec.)—MGCR gene; seq.var. = ?

DNA(specification)—**MGEA5 gene;****sequence variation**

name of component: meningioma expressed antigen 5 (hyaluronidase)

[NPU36791](#)

DNA(spec.)—MGEA5 gene; seq.var. = ?

DNA(specification)—**MGEA6 gene;****sequence variation**

name of component: meningioma expressed antigen 6 (coiled-coil proline-rich)

[NPU36792](#)

DNA(spec.)—MGEA6 gene; seq.var. = ?

DNA(specification)—**MGLL gene;****sequence variation**

name of component: monoglyceride lipase

[NPU44824](#)

DNA(spec.)—MGLL gene; seq.var. = ?

DNA(specification)—**MGMT gene;****sequence variation**

name of component: O-6-methylguanine-DNA methyltransferase

[NPU36793](#)

DNA(spec.)—MGMT gene; seq.var. = ?

DNA(specification)—**MGP gene;****sequence variation**

name of component: matrix Gla protein

[NPU36794](#)

DNA(spec.)—MGP gene; seq.var. = ?

DNA(specification)—**MGRN1 gene;****sequence variation**

name of component: mahogunin, ring finger 1

[NPU47518](#)

DNA(spec.)—MGRN1 gene; seq.var. = ?

DNA(specification)—**MGST1 gene;****sequence variation**

name of component: microsomal glutathione S-transferase 1

[NPU36795](#)

DNA(spec.)—MGST1 gene; seq.var. = ?

DNA(specification)—**MGST2 gene;****sequence variation**

name of component: microsomal glutathione S-transferase 2

[NPU36796](#)

DNA(spec.)—MGST2 gene; seq.var. = ?

DNA(specification)—**MGST3 gene;****sequence variation**

name of component: microsomal glutathione S-transferase 3

[NPU36797](#)

DNA(spec.)—MGST3 gene; seq.var. = ?

DNA(specification)—**MHAC gene;****sequence variation**

name of component: microhydranencephaly

[NPU36798](#)

DNA(spec.)—MHAC gene; seq.var. = ?

DNA(specification)—**MHC2TA gene;****sequence variation**

name of component: MHC class II transactivator

[NPU36799](#)

DNA(spec.)—MHC2TA gene; seq.var. = ?

DNA(specification)—**MHP2 gene;****sequence variation**

name of component: migraine, hemiplegic 2

[NPU36800](#)

DNA(spec.)—MHP2 gene; seq.var. = ?

DNA(specification)—**MHS2 gene;****sequence variation**

name of component: malignant hyperthermia susceptibility 2

[NPU36801](#)

DNA(spec.)—MHS2 gene; seq.var. = ?

DNA(specification)—**MHS4 gene;****sequence variation**

name of component: malignant hyperthermia susceptibility 4

[NPU36802](#)

DNA(spec.)—MHS4 gene; seq.var. = ?

DNA(specification)—**MHS6 gene;****sequence variation**

name of component: malignant hyperthermia susceptibility 6

[NPU36803](#)

DNA(spec.)—MHS6 gene; seq.var. = ?

DNA(specification)—**MIA gene;****sequence variation**

name of component: melanoma inhibitory activity

[NPU36804](#)

DNA(spec.)—MIA gene; seq.var. = ?

DNA(specification)—**MIC10 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody TRA-2-10

[NPU36805](#)

DNA(spec.)—MIC10 gene; seq.var. = ?

DNA(specification)—**MIC12 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody 30.2A8

[NPU36806](#)

DNA(spec.)—MIC12 gene; seq.var. = ?

DNA(specification)—**MIC17 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody BB1

[NPU36807](#)

DNA(spec.)—MIC17 gene; seq.var. = ?

DNA(specification)—**MIC6 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody H207

[NPU36810](#)

DNA(spec.)—MIC6 gene; seq.var. = ?

DNA(specification)—**MIC7 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody 28.3.7

[NPU36811](#)

DNA(spec.)—MIC7 gene; seq.var. = ?

DNA(specification)—**MIC9 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody 4D12

[NPU36812](#)

DNA(spec.)—MIC9 gene; seq.var. = ?

DNA(specification)—**MICA gene;****sequence variation**

name of component: MHC class I polypeptide-related sequence A

[NPU36813](#)

DNA(spec.)—MICA gene; seq.var. = ?

DNA(specification)—**MICA gene;****taxon**[NPU22014](#)

DNA(spec.)—MICA gene; taxon = ?

DNA(specification)—**MICB gene;****sequence variation**

name of component: MHC class I polypeptide-related sequence B

[NPU36814](#)

DNA(spec.)—MICB gene; seq.var. = ?

DNA(specification)—**MICB gene;****taxon**[NPU22019](#)

DNA(spec.)—MICB gene; taxon = ?

DNA(specification)—**MICC gene;****sequence variation**

name of component: MHC class I polypeptide-related sequence C

[NPU36815](#)

DNA(spec.)—MICC gene; seq.var. = ?

DNA(specification)—**MICC gene;****taxon**

NPU22020

DNA(spec.)—MICC gene; taxon = ?

DNA(specification)—**MICD gene;****sequence variation**

name of component: MHC class I polypeptide-related sequence D

[NPU36816](#)

DNA(spec.)—MICD gene; seq.var. = ?

DNA(specification)—**MICD gene;****taxon**

NPU22021

DNA(spec.)—MICD gene; taxon = ?

DNA(specification)—**MICE gene;****sequence variation**

name of component: MHC class I polypeptide-related sequence E

[NPU36817](#)

DNA(spec.)—MICE gene; seq.var. = ?

DNA(specification)—**MICE gene;****taxon**

NPU22022

DNA(spec.)—MICE gene; taxon = ?

DNA(specification)—**MICF gene;****sequence variation**

name of component: MHC class I polypeptide-related sequence F pseudogene

[NPU44706](#)

DNA(spec.)—MICF gene; seq.var. = ?

DNA(specification)—**MICG gene;****sequence variation**

name of component: MHC class I polypeptide-related sequence G pseudogene

[NPU44707](#)

DNA(spec.)—MICG gene; seq.var. = ?

DNA(specification)—**MID1 gene;****sequence variation**

name of component: midline 1 (Opitz/BBB syndrome)

[NPU36818](#)

DNA(spec.)—MID1 gene; seq.var. = ?

DNA(specification)—**MID2 gene;****sequence variation**

name of component: midline 2

[NPU36819](#)

DNA(spec.)—MID2 gene; seq.var. = ?

DNA(specification)—**MIDN gene;****sequence variation**

name of component: midnolin

[NPU44333](#)

DNA(spec.)—MIDN gene; seq.var. = ?

DNA(specification)—**MIF gene;****sequence variation**

name of component: macrophage migration inhibitory factor (glycosylation-inhibiting factor)

[NPU36820](#)

DNA(spec.)—MIF gene; seq.var. = ?

DNA(specification)—**MINPP1 gene;****sequence variation**

name of component: multiple inositol polyphosphate histidine phosphatase, 1

[NPU36822](#)

DNA(spec.)—MINPP1 gene; seq.var. = ?

DNA(specification)—**MIP gene;****sequence variation**

name of component: major intrinsic protein of lens fiber

[NPU36823](#)

DNA(spec.)—MIP gene; seq.var. = ?

DNA(specification)—**MIPEP gene;****sequence variation**

name of component: mitochondrial intermediate peptidase

[NPU36824](#)

DNA(spec.)—MIPEP gene; seq.var. = ?

DNA(specification)—**MITF gene;****sequence variation**

name of component: microphthalmia-associated transcription factor

[NPU36825](#)

DNA(spec.)—MITF gene; seq.var. = ?

DNA(specification)—**MIXL1 gene;****sequence variation**

name of component: Mix1 homeobox-like 1 (Xenopus laevis)

[NPU42101](#)

DNA(spec.)—MIXL1 gene; seq.var. = ?

DNA(specification)—**MJD gene;****sequence variation**

name of component: Machado-Joseph disease (spinocerebellar ataxia 3, olivopontocerebellar ataxia 3, autosomal dominant, ataxin 3)

[NPU19137](#)

DNA(spec.)—MJD gene; seq.var. = ?

DNA(specification)—**MKI67 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody Ki-67

[NPU36826](#)

DNA(spec.)—MKI67 gene; seq.var. = ?

DNA(specification)—**MKI67IP gene;****sequence variation**

name of component: MKI67 (FHA domain) interacting nucleolar phosphoprotein

[NPU46135](#)

DNA(spec.)—MKI67IP gene; seq.var. = ?

DNA(specification)—**MKKS gene;****sequence variation**

name of component: McKusick-Kaufman syndrome

[NPU36827](#)

DNA(spec.)—MKKS gene; seq.var. = ?

DNA(specification)—**MKL1 gene;****sequence variation**

name of component: megakaryoblastic leukemia (translocation) 1

[NPU42678](#)

DNA(spec.)—MKL1 gene; seq.var. = ?

DNA(specification)—**MKLN1 gene;****sequence variation**

name of component: muskellin 1, intracellular mediator containing kelch motifs

[NPU36828](#)

DNA(spec.)—MKLN1 gene; seq.var. = ?

DNA(specification)—**MKNK1 gene;****sequence variation**

name of component: MAP kinase-interacting serine/threonine kinase 1

[NPU36829](#)

DNA(spec.)—MKNK1 gene; seq.var. = ?

DNA(specification)—**MKNK2 gene;****sequence variation**

name of component: MAP kinase-interacting serine/threonine kinase 2

[NPU36830](#)

DNA(spec.)—MKNK2 gene; seq.var. = ?

DNA(specification)—**MKRN1 gene;****sequence variation**

name of component: makorin, ring finger protein, 1

[NPU36831](#)

DNA(spec.)—MKRN1 gene; seq.var. = ?

DNA(specification)—**MKRN2 gene;****sequence variation**

name of component: makorin, ring finger protein, 2

[NPU36832](#)

DNA(spec.)—MKRN2 gene; seq.var. = ?

DNA(specification)—**MKRN3 gene;****sequence variation**

name of component: makorin, ring finger protein, 3

[NPU36833](#)

DNA(spec.)—MKRN3 gene; seq.var. = ?

DNA(specification)—**MKRN4 gene;****sequence variation**

name of component: makorin, ring finger protein, 4

[NPU36834](#)

DNA(spec.)—MKRN4 gene; seq.var. = ?

DNA(specification)—**MKRN5 gene;****sequence variation**

name of component: makorin, ring finger protein, 5

[NPU36835](#)

DNA(spec.)—MKRN5 gene; seq.var. = ?

DNA(specification)—**MKRNP1 gene;****sequence variation**

name of component: makorin, ring finger protein,
pseudogene 1

[NPU36836](#)

DNA(spec.)—MKRNP1 gene; seq.var. = ?

DNA(specification)—**MKRNP2 gene;****sequence variation**

name of component: makorin, ring finger protein,
pseudogene 2

[NPU36837](#)

DNA(spec.)—MKRNP2 gene; seq.var. = ?

DNA(specification)—**MKRNP3 gene;****sequence variation**

name of component: makorin, ring finger protein,
pseudogene 3

[NPU36838](#)

DNA(spec.)—MKRNP3 gene; seq.var. = ?

DNA(specification)—**MKRNP4 gene;****sequence variation**

name of component: makorin, ring finger protein,
pseudogene 4

[NPU36839](#)

DNA(spec.)—MKRNP4 gene; seq.var. = ?

DNA(specification)—**MKS1 gene;****sequence variation**

name of component: Meckel syndrome, type 1

[NPU36840](#)

DNA(spec.)—MKS1 gene; seq.var. = ?

DNA(specification)—**MKS2 gene;****sequence variation**

name of component: Meckel syndrome, type 2

[NPU36841](#)

DNA(spec.)—MKS2 gene; seq.var. = ?

DNA(specification)—**MLANA gene;****sequence variation**

name of component: melan-A

[NPU36842](#)

DNA(spec.)—MLANA gene; seq.var. = ?

DNA(specification)—**MLC1 gene;****sequence variation**

name of component: megalencephalic leuko-
cephalopathy with subcortical cysts 1

[NPU44841](#)

DNA(spec.)—MLC1 gene; seq.var. = ?

DNA(specification)—**MLF1 gene;****sequence variation**

name of component: myeloid leukemia factor 1

[NPU36843](#)

DNA(spec.)—MLF1 gene; seq.var. = ?

DNA(specification)—**MLF2 gene;****sequence variation**

name of component: myeloid leukemia factor 2

[NPU36844](#)

DNA(spec.)—MLF2 gene; seq.var. = ?

DNA(specification)—**MLH1 gene;****sequence variation**

name of component: mutL homolog 1, colon can-
cer, nonpolyposis type 2 (E. coli)

[NPU19220](#)

DNA(spec.)—MLH1 gene; seq.var. = ?

DNA(specification)—**MLH3 gene;****sequence variation**

name of component: mutL homolog 3 (E. coli)

[NPU19306](#)

DNA(spec.)—MLH3 gene; seq.var. = ?

DNA(specification)—**MLL gene;****sequence variation**

name of component: myeloid/lymphoid or mixed-
lineage leukemia (trithorax homolog, Drosophila)

[NPU36846](#)

DNA(spec.)—MLL gene; seq.var. = ?

DNA(specification)—**MLL2 gene;****sequence variation**

name of component: myeloid/lymphoid or mixed-
lineage leukemia 2

[NPU36847](#)

DNA(spec.)—MLL2 gene; seq.var. = ?

DNA(specification)—**MLL3 gene;****sequence variation**

name of component: myeloid/lymphoid or mixed-
lineage leukemia3

[NPU42291](#)

DNA(spec.)—MLL3 gene; seq.var. = ?

DNA(specification)—**MLL5 gene;****sequence variation**

name of component: myeloid/lymphoid or mixed-lineage leukemia 5 (trithorax homolog, *Drosophila*);

[NPU46519](#)

DNA(spec.)—MLL5 gene; seq.var. = ?

DNA(specification)—**MLLT1 gene;****sequence variation**

name of component: myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, *Drosophila*); translocated to, 1

[NPU36848](#)

DNA(spec.)—MLLT1 gene; seq.var. = ?

DNA(specification)—**MLLT10 gene;****sequence variation**

name of component: myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, *Drosophila*); translocated to, 10

[NPU44117](#)

DNA(spec.)—MLLT10 gene; seq.var. = ?

DNA(specification)—**MLLT10L gene;****sequence variation**

name of component: myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, *Drosophila*); translocated to, 10-like

[NPU43902](#)

DNA(spec.)—MLLT10L gene; seq.var. = ?

DNA(specification)—**MLLT2 gene;****sequence variation**

name of component: myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, *Drosophila*); translocated to, 2

[NPU36849](#)

DNA(spec.)—MLLT2 gene; seq.var. = ?

DNA(specification)—**MLLT3 gene;****sequence variation**

name of component: myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, *Drosophila*); translocated to, 3

[NPU36850](#)

DNA(spec.)—MLLT3 gene; seq.var. = ?

DNA(specification)—**MLLT4 gene;****sequence variation**

name of component: myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, *Drosophila*); translocated to, 4

[NPU36851](#)

DNA(spec.)—MLLT4 gene; seq.var. = ?

DNA(specification)—**MLLT6 gene;****sequence variation**

name of component: myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, *Drosophila*); translocated to, 6

[NPU36852](#)

DNA(spec.)—MLLT6 gene; seq.var. = ?

DNA(specification)—**MLLT7 gene;****sequence variation**

name of component: myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, *Drosophila*); translocated to, 7

[NPU36853](#)

DNA(spec.)—MLLT7 gene; seq.var. = ?

DNA(specification)—**MLN gene;****sequence variation**

name of component: motilin

[NPU36854](#)

DNA(spec.)—MLN gene; seq.var. = ?

DNA(specification)—**MLP gene;****sequence variation**

name of component: MARCKS-like protein

[NPU36855](#)

DNA(spec.)—MLP gene; seq.var. = ?

DNA(specification)—**MLPL1 gene;****sequence variation**

name of component: MARCKS-like protein-like 1

[NPU36856](#)

DNA(spec.)—MLPL1 gene; seq.var. = ?

DNA(specification)—**MLS gene;****sequence variation**

name of component: microphthalmia with linear skin defects

[NPU36857](#)

DNA(spec.)—MLS gene; seq.var. = ?

DNA(specification)—**MLVI2 gene;****sequence variation**

name of component: Moloney murine leukemia virus (MoMuLV) integration site 2 homolog

[NPU36859](#)

DNA(spec.)—MLVI2 gene; seq.var. = ?

DNA(specification)—**MLYCD gene;****sequence variation**

name of component: malonyl-CoA decarboxylase

[NPU19138](#)

DNA(spec.)—MLYCD gene; seq.var. = ?

DNA(specification)—**MLZE gene;****sequence variation**

name of component: melanoma-derived leucine zipper, extra-nuclear factor

[NPU36860](#)

DNA(spec.)—MLZE gene; seq.var. = ?

DNA(specification)—**MMAB gene;****sequence variation**

name of component: methylmalonic aciduria (cobalamin deficiency) type B

[NPU46979](#)

DNA(spec.)—MMAB gene; seq.var. = ?

DNA(specification)—**MMD gene;****sequence variation**

name of component: monocyte to macrophage differentiation-associated

[NPU36861](#)

DNA(spec.)—MMD gene; seq.var. = ?

DNA(specification)—**MME gene;****sequence variation**

name of component: membrane metallo-endopeptidase (neutral endopeptidase, enkephalinase, CALLA, CD10)

[NPU36862](#)

DNA(spec.)—MME gene; seq.var. = ?

DNA(specification)—**MMEL1 gene;****sequence variation**

name of component: membrane metallo-endopeptidase-like 1

[NPU42932](#)

DNA(spec.)—MMEL1 gene; seq.var. = ?

DNA(specification)—**MMEL2 gene;****sequence variation**

name of component: membrane metallo-endopeptidase-like 2

[NPU42930](#)

DNA(spec.)—MMEL2 gene; seq.var. = ?

DNA(specification)—**MMP1 gene;****sequence variation**

name of component: matrix metalloproteinase 1 (interstitial collagenase)

[NPU36863](#)

DNA(spec.)—MMP1 gene; seq.var. = ?

DNA(specification)—**MMP10 gene;****sequence variation**

name of component: matrix metalloproteinase 10 (stromelysin 2)

[NPU36864](#)

DNA(spec.)—MMP10 gene; seq.var. = ?

DNA(specification)—**MMP11 gene;****sequence variation**

name of component: matrix metalloproteinase 11 (stromelysin 3)

[NPU36865](#)

DNA(spec.)—MMP11 gene; seq.var. = ?

DNA(specification)—**MMP12 gene;****sequence variation**

name of component: matrix metalloproteinase 12 (macrophage elastase)

[NPU36866](#)

DNA(spec.)—MMP12 gene; seq.var. = ?

DNA(specification)—**MMP13 gene;****sequence variation**

name of component: matrix metalloproteinase 13 (collagenase 3)

[NPU36867](#)

DNA(spec.)—MMP13 gene; seq.var. = ?

DNA(specification)—**MMP14 gene;****sequence variation**

name of component: matrix metalloproteinase 14 (membrane-inserted)

[NPU36868](#)

DNA(spec.)—MMP14 gene; seq.var. = ?

DNA(specification)—**MMP15 gene;****sequence variation**

name of component: matrix metalloproteinase 15
(membrane-inserted)

[NPU36869](#)

DNA(spec.)—MMP15 gene; seq.var. = ?

DNA(specification)—**MMP16 gene;****sequence variation**

name of component: matrix metalloproteinase 16
(membrane-inserted)

[NPU36870](#)

DNA(spec.)—MMP16 gene; seq.var. = ?

DNA(specification)—**MMP17 gene;****sequence variation**

name of component: matrix metalloproteinase 17
(membrane-inserted)

[NPU36871](#)

DNA(spec.)—MMP17 gene; seq.var. = ?

DNA(specification)—**MMP19 gene;****sequence variation**

name of component: matrix metalloproteinase 19

[NPU36872](#)

DNA(spec.)—MMP19 gene; seq.var. = ?

DNA(specification)—**MMP2 gene;****sequence variation**

name of component: matrix metalloproteinase 2
(gelatinase A, 72 kDa gelatinase, 72 kDa type IV
collagenase)

[NPU36873](#)

DNA(spec.)—MMP2 gene; seq.var. = ?

DNA(specification)—**MMP20 gene;****sequence variation**

name of component: matrix metalloproteinase 20
(enamelysin)

[NPU36874](#)

DNA(spec.)—MMP20 gene; seq.var. = ?

DNA(specification)—**MMP21 gene;****sequence variation**

name of component: matrix metalloproteinase 21

[NPU42695](#)

DNA(spec.)—MMP21 gene; seq.var. = ?

DNA(specification)—**MMP23A gene;****sequence variation**

name of component: matrix metalloproteinase 23A

[NPU36875](#)

DNA(spec.)—MMP23A gene; seq.var. = ?

DNA(specification)—**MMP23B gene;****sequence variation**

name of component: matrix metalloproteinase 23B

[NPU36876](#)

DNA(spec.)—MMP23B gene; seq.var. = ?

DNA(specification)—**MMP24 gene;****sequence variation**

name of component: matrix metalloproteinase 24
(membrane-inserted)

[NPU36877](#)

DNA(spec.)—MMP24 gene; seq.var. = ?

DNA(specification)—**MMP25 gene;****sequence variation**

name of component: matrix metalloproteinase 25

[NPU42613](#)

DNA(spec.)—MMP25 gene; seq.var. = ?

DNA(specification)—**MMP26 gene;****sequence variation**

name of component: matrix metalloproteinase 26

[NPU42616](#)

DNA(spec.)—MMP26 gene; seq.var. = ?

DNA(specification)—**MMP27 gene;****sequence variation**

name of component: matrix metalloproteinase 27

[NPU42617](#)

DNA(spec.)—MMP27 gene; seq.var. = ?

DNA(specification)—**MMP28 gene;****sequence variation**

name of component: matrix metalloproteinase 28

[NPU42700](#)

DNA(spec.)—MMP28 gene; seq.var. = ?

DNA(specification)—**MMP3 gene;****sequence variation**

name of component: matrix metalloproteinase 3
(stromelysin 1, progelatinase)

[NPU36878](#)

DNA(spec.)—MMP3 gene; seq.var. = ?

DNA(specification)—**MMP7 gene;****sequence variation**

name of component: matrix metalloproteinase 7 (matrilysin, uterine)

[NPU36879](#)

DNA(spec.)—MMP7 gene; seq.var. = ?

DNA(specification)—**MMP8 gene;****sequence variation**

name of component: matrix metalloproteinase 8 (neutrophil collagenase)

[NPU36880](#)

DNA(spec.)—MMP8 gene; seq.var. = ?

DNA(specification)—**MMP9 gene;****sequence variation**

name of component: matrix metalloproteinase 9 (gelatinase B, 92 kDa gelatinase, 92 kDa type IV collagenase)

[NPU36881](#)

DNA(spec.)—MMP9 gene; seq.var. = ?

DNA(specification)—**MMPL1 gene;****sequence variation**

name of component: matrix metalloproteinase-like 1

[NPU36882](#)

DNA(spec.)—MMPL1 gene; seq.var. = ?

DNA(specification)—**MMRN gene;****sequence variation**

name of component: multimerin

[NPU36883](#)

DNA(spec.)—MMRN gene; seq.var. = ?

DNA(specification)—**MMS19L gene;****sequence variation**

name of component: MMS19-like (MET18 homolog, *S. cerevisiae*)

[NPU42345](#)

DNA(spec.)—MMS19L gene; seq.var. = ?

DNA(specification)—**MMVP1 gene;****sequence variation**

name of component: myxomatous mitral valve prolapse 1

[NPU46882](#)

DNA(spec.)—MMVP1 gene; seq.var. = ?

DNA(specification)—**MMVP2 gene;****sequence variation**

name of component: myxomatous mitral valve prolapse 2

[NPU46883](#)

DNA(spec.)—MMVP2 gene; seq.var. = ?

DNA(specification)—**MMAA gene;****sequence variation**

name of component: methylmalonic aciduria (cobalamin deficiency) type A

[NPU46718](#)

DNA(spec.)—MMAA gene; seq.var. = ?

DNA(specification)—**MN1 gene;****sequence variation**

name of component: meningioma (disrupted in balanced translocation) 1

[NPU36885](#)

DNA(spec.)—MN1 gene; seq.var. = ?

DNA(specification)—**MNAT1 gene;****sequence variation**

name of component: menage a trois 1 (CAK assembly factor)

[NPU36886](#)

DNA(spec.)—MNAT1 gene; seq.var. = ?

DNA(specification)—**MNDA gene;****sequence variation**

name of component: myeloid cell nuclear differentiation antigen

[NPU36887](#)

DNA(spec.)—MNDA gene; seq.var. = ?

DNA(specification)—**MNG1 gene;****sequence variation**

name of component: multinodular goitre 1

[NPU36888](#)

DNA(spec.)—MNG1 gene; seq.var. = ?

DNA(specification)—**MNGIE gene;****sequence variation**

name of component: myoneurogastrointestinal encephalopathy syndrome

[NPU36889](#)

DNA(spec.)—MNGIE gene; seq.var. = ?

DNA(specification)—**MNT gene;****sequence variation**

name of component: MAX binding protein

[NPU36890](#)

DNA(spec.)—MNT gene; seq.var. = ?

DNA(specification)—**MOAP1 gene;****sequence variation**

name of component: modulator of apoptosis 1

[NPU44625](#)

DNA(spec.)—MOAP1 gene; seq.var. = ?

DNA(specification)—**MOBP gene;****sequence variation**

name of component: myelin-associated oligodendrocyte basic protein

[NPU36891](#)

DNA(spec.)—MOBP gene; seq.var. = ?

DNA(specification)—**MOCS1 gene;****sequence variation**

name of component: molybdenum cofactor synthesis 1

[NPU19139](#)

DNA(spec.)—MOCS1 gene; seq.var. = ?

DNA(specification)—**MOCS1P1 gene;****sequence variation**

name of component: molybdenum cofactor synthesis 1 pseudogene 1

[NPU36892](#)

DNA(spec.)—MOCS1P1 gene; seq.var. = ?

DNA(specification)—**MOCS1P2 gene;****sequence variation**

name of component: molybdenum cofactor synthesis 1 pseudogene 2

[NPU36893](#)

DNA(spec.)—MOCS1P2 gene; seq.var. = ?

DNA(specification)—**MOCS2 gene;****sequence variation**

name of component: molybdenum cofactor synthesis 2

[NPU19140](#)

DNA(spec.)—MOCS2 gene; seq.var. = ?

DNA(specification)—**MOCS3 gene;****sequence variation**

name of component: molybdenum cofactor synthesis 3

[NPU43882](#)

DNA(spec.)—MOCS3 gene; seq.var. = ?

DNA(specification)—**MOCS3P gene;****sequence variation**

name of component: molybdenum cofactor synthesis 3 pseudogene

[NPU47365](#)

DNA(spec.)—MOCS3P gene; seq.var. = ?

DNA(specification)—**MOG gene;****sequence variation**

name of component: myelin oligodendrocyte glycoprotein

[NPU36894](#)

DNA(spec.)—MOG gene; seq.var. = ?

DNA(specification)—**MORC gene;****sequence variation**

name of component: microrchidia homolog (mouse)

[NPU36895](#)

DNA(spec.)—MORC gene; seq.var. = ?

DNA(specification)—**MORF4 gene;****sequence variation**

name of component: mortality factor 4

[NPU43889](#)

DNA(spec.)—MORF4 gene; seq.var. = ?

DNA(specification)—**MORF4L1 gene;****sequence variation**

name of component: mortality factor 4 like 1

[NPU44803](#)

DNA(spec.)—MORF4L1 gene; seq.var. = ?

DNA(specification)—**MORF4L2 gene;****sequence variation**

name of component: mortality factor 4 like 2

[NPU44738](#)

DNA(spec.)—MORF4L2 gene; seq.var. = ?

DNA(specification)—**MORF4LP1 gene;****sequence variation**

name of component: mortality factor 4 like pseudogene 1

[NPU47600](#)

DNA(spec.)—MORF4LP1 gene; seq.var. = ?

DNA(specification)—**MORF4LP2 gene;****sequence variation**

name of component: mortality factor 4 like pseudogene 2

[NPU47601](#)

DNA(spec.)—MORF4LP2 gene; seq.var. = ?

DNA(specification)—**MORF4LP3 gene;****sequence variation**

name of component: mortality factor 4 like pseudogene 3

[NPU47602](#)

DNA(spec.)—MORF4LP3 gene; seq.var. = ?

DNA(specification)—**MORF4LP4 gene;****sequence variation**

name of component: mortality factor 4 like pseudogene 4

[NPU47603](#)

DNA(spec.)—MORF4LP4 gene; seq.var. = ?

DNA(specification)—**MOS gene;****sequence variation**

name of component: v-mos Moloney murine sarcoma viral oncogene homolog

[NPU36896](#)

DNA(spec.)—MOS gene; seq.var. = ?

DNA(specification)—**MOV10 gene;****sequence variation**

name of component: Mov10, Moloney leukemia virus 10, homolog (mouse)

[NPU36897](#)

DNA(spec.)—MOV10 gene; seq.var. = ?

DNA(specification)—**MOV10L1 gene;****sequence variation**

name of component: Mov10l1, Moloney leukemia virus 10-like 1, homolog (mouse)

[NPU36898](#)

DNA(spec.)—MOV10L1 gene; seq.var. = ?

DNA(specification)—**MOV34L gene;****sequence variation**

name of component: Moloney leukemia virus 34 proviral integration homolog-like

[NPU36899](#)

DNA(spec.)—MOV34L gene; seq.var. = ?

DNA(specification)—**MOX2 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody MRC OX-2

[NPU36900](#)

DNA(spec.)—MOX2 gene; seq.var. = ?

DNA(specification)—**MPD1 gene;****sequence variation**

name of component: myopathy, distal 1

[NPU36901](#)

DNA(spec.)—MPD1 gene; seq.var. = ?

DNA(specification)—**MPDU1 gene;****sequence variation**

name of component: mannose-P-dolichol utilization defect 1

[NPU36902](#)

DNA(spec.)—MPDU1 gene; seq.var. = ?

DNA(specification)—**MPDZ gene;****sequence variation**

name of component: multiple PDZ domain protein

[NPU36903](#)

DNA(spec.)—MPDZ gene; seq.var. = ?

DNA(specification)—**MPE gene;****sequence variation**

name of component: malignant proliferation, eosinophil

[NPU36904](#)

DNA(spec.)—MPE gene; seq.var. = ?

DNA(specification)—**MPFD gene;****sequence variation**

name of component: myopathy with fiber type disproportion

[NPU36905](#)

DNA(spec.)—MPFD gene; seq.var. = ?

DNA(specification)—**MPG gene;****sequence variation**

name of component: N-methylpurine-DNA glycosylase

[NPU36906](#)

DNA(spec.)—MPG gene; seq.var. = ?

DNA(specification)—**MPHOSPH1 gene;****sequence variation**

name of component: M-phase phosphoprotein 1

[NPU36907](#)

DNA(spec.)—MPHOSPH1 gene; seq.var. = ?

DNA(specification)—**MPHOSPH10 gene;****sequence variation**

name of component: M-phase phosphoprotein 10
(U3 small nucleolar ribonucleoprotein)

[NPU36908](#)

DNA(spec.)—MPHOSPH10 gene; seq.var. = ?

DNA(specification)—**MPHOSPH6 gene;****sequence variation**

name of component: M-phase phosphoprotein 6

[NPU36909](#)

DNA(spec.)—MPHOSPH6 gene; seq.var. = ?

DNA(specification)—**MPHOSPH9 gene;****sequence variation**

name of component: M-phase phosphoprotein 9

[NPU36910](#)

DNA(spec.)—MPHOSPH9 gene; seq.var. = ?

DNA(specification)—**MPI gene;****sequence variation**

name of component: mannose phosphate isomerase

[NPU36911](#)

DNA(spec.)—MPI gene; seq.var. = ?

DNA(specification)—**MPL gene;****sequence variation**

name of component: myeloproliferative leukemia
virus oncogene

[NPU36912](#)

DNA(spec.)—MPL gene; seq.var. = ?

DNA(specification)—**MPO gene;****sequence variation**

name of component: myeloperoxidase

[NPU36913](#)

DNA(spec.)—MPO gene; seq.var. = ?

DNA(specification)—**MPP1 gene;****sequence variation**

name of component: membrane protein, palmitoy-
lated 1, 55 kDa

[NPU36914](#)

DNA(spec.)—MPP1 gene; seq.var. = ?

DNA(specification)—**MPP2 gene;****sequence variation**

name of component: membrane protein, palmitoy-
lated 2 (MAGUK p55 subfamily member 2)

[NPU36915](#)

DNA(spec.)—MPP2 gene; seq.var. = ?

DNA(specification)—**MPP3 gene;****sequence variation**

name of component: membrane protein, palmitoy-
lated 3 (MAGUK p55 subfamily member 3)

[NPU36916](#)

DNA(spec.)—MPP3 gene; seq.var. = ?

DNA(specification)—**MPP4 gene;****sequence variation**

name of component: membrane protein, palmitoy-
lated 4 (MAGUK p55 subfamily member 4)

[NPU42269](#)

DNA(spec.)—MPP4 gene; seq.var. = ?

DNA(specification)—**MPP5 gene;****sequence variation**

name of component: membrane protein, palmitoy-
lated 5 (MAGUK p55 subfamily member 5)

[NPU46610](#)

DNA(spec.)—MPP5 gene; seq.var. = ?

DNA(specification)—**MPP6 gene;****sequence variation**

name of component: membrane protein, palmitoy-
lated 6 (MAGUK p55 subfamily member 6)

[NPU46336](#)

DNA(spec.)—MPP6 gene; seq.var. = ?

DNA(specification)—**MPST gene;****sequence variation**

name of component: mercaptopyruvate sulfurtrans-
ferase

[NPU36917](#)

DNA(spec.)—MPST gene; seq.var. = ?

DNA(specification)—**MPV17 gene;****sequence variation**

name of component: MpV17 transgene, murine
homolog, glomerulosclerosis

[NPU36918](#)

DNA(spec.)—MPV17 gene; seq.var. = ?

DNA(specification)—**MPZ gene;****sequence variation**

name of component: myelin protein zero (Charcot-
Marie-Tooth neuropathy 1B)

[NPU19141](#)

DNA(spec.)—MPZ gene; seq.var. = ?

DNA(specification)—**MPZL1 gene;****sequence variation**

name of component: myelin protein zero-like 1

[NPU36919](#)

DNA(spec.)—MPZL1 gene; seq.var. = ?

DNA(specification)—**MR1 gene;****sequence variation**

name of component: major histocompatibility complex, class I-related

[NPU34020](#)

DNA(spec.)—MR1 gene; seq.var. = ?

DNA(specification)—**MRAS gene;****sequence variation**

name of component: muscle RAS oncogene homolog

[NPU36920](#)

DNA(spec.)—MRAS gene; seq.var. = ?

DNA(specification)—**MRC1 gene;****sequence variation**

name of component: mannose receptor, C type 1

[NPU36921](#)

DNA(spec.)—MRC1 gene; seq.var. = ?

DNA(specification)—**MRC2 gene;****sequence variation**

name of component: mannose receptor, C type 2

[NPU44753](#)

DNA(spec.)—MRC2 gene; seq.var. = ?

DNA(specification)—**MRE11A gene;****sequence variation**name of component: MRE11 meiotic recombination 11 homolog A (*S. cerevisiae*)[NPU36922](#)

DNA(spec.)—MRE11A gene; seq.var. = ?

DNA(specification)—**MRE11B gene;****sequence variation**name of component: MRE11 meiotic recombination 11 homolog B (*S. cerevisiae*)[NPU36923](#)

DNA(spec.)—MRE11B gene; seq.var. = ?

DNA(specification)—**MROS gene;****sequence variation**

name of component: Melkersson-Rosenthal syndrome

[NPU42885](#)

DNA(spec.)—MROS gene; seq.var. = ?

DNA(specification)—**MRP63 gene;****sequence variation**

name of component: mitochondrial ribosomal protein 63

[NPU42827](#)

DNA(spec.)—MRP63 gene; seq.var. = ?

DNA(specification)—**MRPL1 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L1

[NPU42639](#)

DNA(spec.)—MRPL1 gene; seq.var. = ?

DNA(specification)—**MRPL10 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L10

[NPU42479](#)

DNA(spec.)—MRPL10 gene; seq.var. = ?

DNA(specification)—**MRPL11 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L11

[NPU42467](#)

DNA(spec.)—MRPL11 gene; seq.var. = ?

DNA(specification)—**MRPL12 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L12

[NPU39557](#)

DNA(spec.)—MRPL12 gene; seq.var. = ?

DNA(specification)—**MRPL13 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L13

[NPU42642](#)

DNA(spec.)—MRPL13 gene; seq.var. = ?

DNA(specification)—**MRPL14 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L14

[NPU42643](#)

DNA(spec.)—MRPL14 gene; seq.var. = ?

DNA(specification)—**MRPL15 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L15

[NPU42478](#)

DNA(spec.)—MRPL15 gene; seq.var. = ?

DNA(specification)—**MRPL16 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L16

[NPU42790](#)

DNA(spec.)—MRPL16 gene; seq.var. = ?

DNA(specification)—**MRPL17 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L17

[NPU42477](#)

DNA(spec.)—MRPL17 gene; seq.var. = ?

DNA(specification)—**MRPL18 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L18

[NPU42791](#)

DNA(spec.)—MRPL18 gene; seq.var. = ?

DNA(specification)—**MRPL19 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L19

[NPU42476](#)

DNA(spec.)—MRPL19 gene; seq.var. = ?

DNA(specification)—**MRPL2 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L2

[NPU42480](#)

DNA(spec.)—MRPL2 gene; seq.var. = ?

DNA(specification)—**MRPL20 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L20

[NPU42792](#)

DNA(spec.)—MRPL20 gene; seq.var. = ?

DNA(specification)—**MRPL21 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L21

[NPU42793](#)

DNA(spec.)—MRPL21 gene; seq.var. = ?

DNA(specification)—**MRPL22 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L22

[NPU42794](#)

DNA(spec.)—MRPL22 gene; seq.var. = ?

DNA(specification)—**MRPL23 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L23

[NPU39506](#)

DNA(spec.)—MRPL23 gene; seq.var. = ?

DNA(specification)—**MRPL24 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L24

[NPU42466](#)

DNA(spec.)—MRPL24 gene; seq.var. = ?

DNA(specification)—**MRPL25 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L25

[NPU42795](#)

DNA(spec.)—MRPL25 gene; seq.var. = ?

DNA(specification)—**MRPL26 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L26

[NPU42796](#)

DNA(spec.)—MRPL26 gene; seq.var. = ?

DNA(specification)—**MRPL27 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L27

[NPU42797](#)

DNA(spec.)—MRPL27 gene; seq.var. = ?

DNA(specification)—**MRPL28 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L28

[NPU42798](#)

DNA(spec.)—MRPL28 gene; seq.var. = ?

DNA(specification)—**MRPL29 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L29

[NPU42799](#)

DNA(spec.)—MRPL29 gene; seq.var. = ?

DNA(specification)—**MRPL3 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L3

[NPU39558](#)

DNA(spec.)—MRPL3 gene; seq.var. = ?

DNA(specification)—**MRPL30 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L30

[NPU42465](#)

DNA(spec.)—MRPL30 gene; seq.var. = ?

DNA(specification)—**MRPL31 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L31

[NPU42800](#)

DNA(spec.)—MRPL31 gene; seq.var. = ?

DNA(specification)—**MRPL32 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L32

[NPU42464](#)

DNA(spec.)—MRPL32 gene; seq.var. = ?

DNA(specification)—**MRPL33 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L33

[NPU42801](#)

DNA(spec.)—MRPL33 gene; seq.var. = ?

DNA(specification)—**MRPL34 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L34

[NPU42802](#)

DNA(spec.)—MRPL34 gene; seq.var. = ?

DNA(specification)—**MRPL35 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L35

[NPU42803](#)

DNA(spec.)—MRPL35 gene; seq.var. = ?

DNA(specification)—**MRPL36 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L36

[NPU42804](#)

DNA(spec.)—MRPL36 gene; seq.var. = ?

DNA(specification)—**MRPL37 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L37

[NPU42463](#)

DNA(spec.)—MRPL37 gene; seq.var. = ?

DNA(specification)—**MRPL38 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L38

[NPU42462](#)

DNA(spec.)—MRPL38 gene; seq.var. = ?

DNA(specification)—**MRPL39 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L39

[NPU42461](#)

DNA(spec.)—MRPL39 gene; seq.var. = ?

DNA(specification)—**MRPL4 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L4

[NPU42640](#)

DNA(spec.)—MRPL4 gene; seq.var. = ?

DNA(specification)—**MRPL40 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L40

[NPU42805](#)

DNA(spec.)—MRPL40 gene; seq.var. = ?

DNA(specification)—**MRPL41 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L41

[NPU42806](#)

DNA(spec.)—MRPL41 gene; seq.var. = ?

DNA(specification)—**MRPL42 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L42

[NPU42807](#)

DNA(spec.)—MRPL42 gene; seq.var. = ?

DNA(specification)—**MRPL43 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L43

[NPU42830](#)

DNA(spec.)—MRPL43 gene; seq.var. = ?

DNA(specification)—**MRPL44 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L44

[NPU44618](#)

DNA(spec.)—MRPL44 gene; seq.var. = ?

DNA(specification)—**MRPL45 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L45

[NPU44619](#)

DNA(spec.)—MRPL45 gene; seq.var. = ?

DNA(specification)—**MRPL46 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L46

[NPU30970](#)

DNA(spec.)—MRPL46 gene; seq.var. = ?

DNA(specification)—**MRPL47 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L47

[NPU44620](#)

DNA(spec.)—MRPL47 gene; seq.var. = ?

DNA(specification)—**MRPL48 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L48

[NPU44621](#)

DNA(spec.)—MRPL48 gene; seq.var. = ?

DNA(specification)—**MRPL49 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L49

[NPU30955](#)

DNA(spec.)—MRPL49 gene; seq.var. = ?

DNA(specification)—**MRPL5 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L5

[NPU42787](#)

DNA(spec.)—MRPL5 gene; seq.var. = ?

DNA(specification)—**MRPL50 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L50

[NPU44622](#)

DNA(spec.)—MRPL50 gene; seq.var. = ?

DNA(specification)—**MRPL51 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L51

[NPU42468](#)

DNA(spec.)—MRPL51 gene; seq.var. = ?

DNA(specification)—**MRPL52 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L52

[NPU44623](#)

DNA(spec.)—MRPL52 gene; seq.var. = ?

DNA(specification)—**MRPL53 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L53

[NPU44639](#)

DNA(spec.)—MRPL53 gene; seq.var. = ?

DNA(specification)—**MRPL54 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L54

[NPU44640](#)

DNA(spec.)—MRPL54 gene; seq.var. = ?

DNA(specification)—**MRPL55 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L55

[NPU44641](#)

DNA(spec.)—MRPL55 gene; seq.var. = ?

DNA(specification)—**MRPL6 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L6

[NPU42788](#)

DNA(spec.)—MRPL6 gene; seq.var. = ?

DNA(specification)—**MRPL8 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L8

[NPU42789](#)

DNA(spec.)—MRPL8 gene; seq.var. = ?

DNA(specification)—**MRPL9 gene;****sequence variation**

name of component: mitochondrial ribosomal protein L9

[NPU42641](#)

DNA(spec.)—MRPL9 gene; seq.var. = ?

DNA(specification)—**MRPS1 gene;****sequence variation**

name of component: mitochondrial ribosomal protein S1

[NPU42808](#)

DNA(spec.)—MRPS1 gene; seq.var. = ?

DNA(specification)—**MRPS10 gene;****sequence variation**

name of component: mitochondrial ribosomal protein S10

[NPU42816](#)

DNA(spec.)—MRPS10 gene; seq.var. = ?

DNA(specification)—**MRPS11 gene;****sequence variation**

name of component: mitochondrial ribosomal protein S11

[NPU42474](#)

DNA(spec.)—MRPS11 gene; seq.var. = ?

DNA(specification)—**MRPS11P1 gene;****sequence variation**

name of component: mitochondrial ribosomal protein S11 pseudogene 1

[NPU44564](#)

DNA(spec.)—MRPS11P1 gene; seq.var. = ?

DNA(specification)—**MRPS12 gene;****sequence variation**

name of component: mitochondrial ribosomal protein S12

[NPU39559](#)

DNA(spec.)—MRPS12 gene; seq.var. = ?

DNA(specification)—**MRPS13 gene;****sequence variation**

name of component: mitochondrial ribosomal protein S13

[NPU42817](#)

DNA(spec.)—MRPS13 gene; seq.var. = ?

DNA(specification)—**MRPS14 gene;****sequence variation**

name of component: mitochondrial ribosomal protein S14

[NPU42473](#)

DNA(spec.)—MRPS14 gene; seq.var. = ?

DNA(specification)—**MRPS15 gene;****sequence variation**

name of component: mitochondrial ribosomal protein S15

[NPU42818](#)

DNA(spec.)—MRPS15 gene; seq.var. = ?

DNA(specification)—**MRPS16 gene;****sequence variation**

name of component: mitochondrial ribosomal protein S16

[NPU42472](#)

DNA(spec.)—MRPS16 gene; seq.var. = ?

DNA(specification)—**MRPS16P gene;****sequence variation**

name of component: mitochondrial ribosomal protein S16 pseudogene

[NPU44522](#)

DNA(spec.)—MRPS16P gene; seq.var. = ?

DNA(specification)—**MRPS17 gene;****sequence variation**

name of component: mitochondrial ribosomal protein S17

[NPU42471](#)

DNA(spec.)—MRPS17 gene; seq.var. = ?

DNA(specification)—**MRPS18A gene;****sequence variation**

name of component: mitochondrial ribosomal protein S18A

[NPU42828](#)

DNA(spec.)—MRPS18A gene; seq.var. = ?

DNA(specification)—**MRPS18AL1 gene;****sequence variation**

name of component: mitochondrial ribosomal protein S18A-like 1

[NPU47850](#)

DNA(spec.)—MRPS18AL1 gene; seq.var. = ?

DNA(specification)—**MRPS18B gene;****sequence variation**

name of component: mitochondrial ribosomal protein S18B

[NPU42829](#)

DNA(spec.)—MRPS18B gene; seq.var. = ?

DNA(specification)—**MRPS18C gene;****sequence variation**

name of component: mitochondrial ribosomal protein S18C

[NPU44605](#)

DNA(spec.)—MRPS18C gene; seq.var. = ?

DNA(specification)—**MRPS19 gene;****sequence variation**

name of component: mitochondrial ribosomal protein S19

[NPU42819](#)

DNA(spec.)—MRPS19 gene; seq.var. = ?

DNA(specification)—**MRPS2 gene;****sequence variation**

name of component: mitochondrial ribosomal protein S2

[NPU42809](#)

DNA(spec.)—MRPS2 gene; seq.var. = ?

DNA(specification)—**MRPS20 gene;****sequence variation**

name of component: mitochondrial ribosomal protein S20

[NPU42820](#)

DNA(spec.)—MRPS20 gene; seq.var. = ?

DNA(specification)—**MRPS21 gene;****sequence variation**

name of component: mitochondrial ribosomal protein S21

[NPU42470](#)

DNA(spec.)—MRPS21 gene; seq.var. = ?

DNA(specification)—**MRPS22 gene;****sequence variation**

name of component: mitochondrial ribosomal protein S22

[NPU42821](#)

DNA(spec.)—MRPS22 gene; seq.var. = ?

DNA(specification)—**MRPS23 gene;****sequence variation**

name of component: mitochondrial ribosomal protein S23

[NPU42822](#)

DNA(spec.)—MRPS23 gene; seq.var. = ?

DNA(specification)—**MRPS24 gene;****sequence variation**

name of component: mitochondrial ribosomal protein S24

[NPU42823](#)

DNA(spec.)—MRPS24 gene; seq.var. = ?

DNA(specification)—**MRPS25 gene;****sequence variation**

name of component: mitochondrial ribosomal protein S25

[NPU42824](#)

DNA(spec.)—MRPS25 gene; seq.var. = ?

DNA(specification)—**MRPS26 gene;****sequence variation**

name of component: mitochondrial ribosomal protein S26

[NPU42469](#)

DNA(spec.)—MRPS26 gene; seq.var. = ?

DNA(specification)—**MRPS27 gene;****sequence variation**

name of component: mitochondrial ribosomal protein S27

[NPU42825](#)

DNA(spec.)—MRPS27 gene; seq.var. = ?

DNA(specification)—**MRPS28 gene;****sequence variation**

name of component: mitochondrial ribosomal protein S28

[NPU42826](#)

DNA(spec.)—MRPS28 gene; seq.var. = ?

DNA(specification)—**MRPS3 gene;****sequence variation**

name of component: mitochondrial ribosomal protein S3

[NPU42810](#)

DNA(spec.)—MRPS3 gene; seq.var. = ?

DNA(specification)—**MRPS30 gene;****sequence variation**

name of component: mitochondrial ribosomal protein S30

[NPU38152](#)

DNA(spec.)—MRPS30 gene; seq.var. = ?

DNA(specification)—**MRPS31 gene;****sequence variation**

name of component: mitochondrial ribosomal protein S31

[NPU44604](#)

DNA(spec.)—MRPS31 gene; seq.var. = ?

DNA(specification)—**MRPS33 gene;****sequence variation**

name of component: mitochondrial ribosomal protein S33

[NPU44606](#)

DNA(spec.)—MRPS33 gene; seq.var. = ?

DNA(specification)—**MRPS34 gene;****sequence variation**

name of component: mitochondrial ribosomal protein S34

[NPU44595](#)

DNA(spec.)—MRPS34 gene; seq.var. = ?

DNA(specification)—**MRPS35 gene;****sequence variation**

name of component: mitochondrial ribosomal protein S35

[NPU44607](#)

DNA(spec.)—MRPS35 gene; seq.var. = ?

DNA(specification)—**MRPS36 gene;****sequence variation**

name of component: mitochondrial ribosomal protein S36

[NPU44603](#)

DNA(spec.)—MRPS36 gene; seq.var. = ?

DNA(specification)—**MRPS5 gene;****sequence variation**

name of component: mitochondrial ribosomal protein S5

[NPU42812](#)

DNA(spec.)—MRPS5 gene; seq.var. = ?

DNA(specification)—**MRPS6 gene;****sequence variation**

name of component: mitochondrial ribosomal protein S6

[NPU42475](#)

DNA(spec.)—MRPS6 gene; seq.var. = ?

DNA(specification)—**MRPS7 gene;****sequence variation**

name of component: mitochondrial ribosomal protein S7

[NPU42813](#)

DNA(spec.)—MRPS7 gene; seq.var. = ?

DNA(specification)—**MRPS8 gene;****sequence variation**

name of component: mitochondrial ribosomal protein S8

[NPU42814](#)

DNA(spec.)—MRPS8 gene; seq.var. = ?

DNA(specification)—**MRPS9 gene;****sequence variation**

name of component: mitochondrial ribosomal protein S9

[NPU42815](#)

DNA(spec.)—MRPS9 gene; seq.var. = ?

DNA(specification)—**MRRF gene;****sequence variation**

name of component: mitochondrial ribosome recycling factor

[NPU36924](#)

DNA(spec.)—MRRF gene; seq.var. = ?

DNA(specification)—**MRS2L gene;****sequence variation**

name of component: MRS2-like, magnesium homeostasis factor (*S. cerevisiae*)

[NPU42321](#)

DNA(spec.)—MRS2L gene; seq.var. = ?

DNA(specification)—**MRSD gene;****sequence variation**

name of component: mental retardation-skeletal dysplasia

[NPU36925](#)

DNA(spec.)—MRSD gene; seq.var. = ?

DNA(specification)—**MRT2A gene;****sequence variation**

name of component: mental retardation, non-syndromic, autosomal recessive, 2A

[NPU42102](#)

DNA(spec.)—MRT2A gene; seq.var. = ?

DNA(specification)—**MRV11 gene;****sequence variation**

name of component: murine retrovirus integration site 1 homolog

[NPU36926](#)

DNA(spec.)—MRV11 gene; seq.var. = ?

DNA(specification)—**MRX1 gene;****sequence variation**

name of component: mental retardation, X-linked 1 (non-dysmorphic)

[NPU36927](#)

DNA(spec.)—MRX1 gene; seq.var. = ?

DNA(specification)—**MRX10 gene;****sequence variation**

name of component: mental retardation, X-linked 10

[NPU36928](#)

DNA(spec.)—MRX10 gene; seq.var. = ?

DNA(specification)—**MRX11 gene;****sequence variation**

name of component: mental retardation, X-linked 11

[NPU36929](#)

DNA(spec.)—MRX11 gene; seq.var. = ?

DNA(specification)—**MRX12 gene;****sequence variation**

name of component: mental retardation, X-linked 12

[NPU36930](#)

DNA(spec.)—MRX12 gene; seq.var. = ?

DNA(specification)—**MRX13 gene;****sequence variation**

name of component: mental retardation, X-linked 13

[NPU36931](#)

DNA(spec.)—MRX13 gene; seq.var. = ?

DNA(specification)—**MRX14 gene;****sequence variation**

name of component: mental retardation, X-linked 14

[NPU36932](#)

DNA(spec.)—MRX14 gene; seq.var. = ?

DNA(specification)—**MRX15 gene;****sequence variation**

name of component: mental retardation, X-linked 15

[NPU36933](#)

DNA(spec.)—MRX15 gene; seq.var. = ?

DNA(specification)—
MRX16 gene;
sequence variation
name of component: mental retardation, X-linked
16
[NPU36934](#)
DNA(spec.)—MRX16 gene; seq.var. = ?

DNA(specification)—
MRX17 gene;
sequence variation
name of component: mental retardation, X-linked
17
[NPU36935](#)
DNA(spec.)—MRX17 gene; seq.var. = ?

DNA(specification)—
MRX18 gene;
sequence variation
name of component: mental retardation, X-linked
18
[NPU36936](#)
DNA(spec.)—MRX18 gene; seq.var. = ?

DNA(specification)—
MRX19 gene;
sequence variation
name of component: mental retardation, X-linked
19
[NPU36937](#)
DNA(spec.)—MRX19 gene; seq.var. = ?

DNA(specification)—
MRX2 gene;
sequence variation
name of component: mental retardation, X-linked 2
(non-dysmorphic)
[NPU36938](#)
DNA(spec.)—MRX2 gene; seq.var. = ?

DNA(specification)—
MRX20 gene;
sequence variation
name of component: mental retardation, X-linked
20
[NPU36939](#)
DNA(spec.)—MRX20 gene; seq.var. = ?

DNA(specification)—
MRX21 gene;
sequence variation
name of component: mental retardation, X-linked
21
[NPU36940](#)
DNA(spec.)—MRX21 gene; seq.var. = ?

DNA(specification)—
MRX22 gene;
sequence variation
name of component: mental retardation, X-linked
22
[NPU36941](#)
DNA(spec.)—MRX22 gene; seq.var. = ?

DNA(specification)—
MRX23 gene;
sequence variation
name of component: mental retardation, X-linked
23
[NPU36942](#)
DNA(spec.)—MRX23 gene; seq.var. = ?

DNA(specification)—
MRX24 gene;
sequence variation
name of component: mental retardation, X-linked
24
[NPU36943](#)
DNA(spec.)—MRX24 gene; seq.var. = ?

DNA(specification)—
MRX25 gene;
sequence variation
name of component: mental retardation, X-linked
25
[NPU36944](#)
DNA(spec.)—MRX25 gene; seq.var. = ?

DNA(specification)—
MRX26 gene;
sequence variation
name of component: mental retardation, X-linked
26
[NPU36945](#)
DNA(spec.)—MRX26 gene; seq.var. = ?

DNA(specification)—
MRX27 gene;
sequence variation
name of component: mental retardation, X-linked
27
[NPU36946](#)
DNA(spec.)—MRX27 gene; seq.var. = ?

DNA(specification)—
MRX28 gene;
sequence variation
name of component: mental retardation, X-linked
28
[NPU36947](#)
DNA(spec.)—MRX28 gene; seq.var. = ?

DNA(specification)—**MRX29 gene;****sequence variation**

name of component: mental retardation, X-linked
29

[NPU36948](#)

DNA(spec.)—MRX29 gene; seq.var. = ?

DNA(specification)—**MRX3 gene;****sequence variation**

name of component: mental retardation, X-linked 3

[NPU36949](#)

DNA(spec.)—MRX3 gene; seq.var. = ?

DNA(specification)—**MRX31 gene;****sequence variation**

name of component: mental retardation, X-linked
31

[NPU36950](#)

DNA(spec.)—MRX31 gene; seq.var. = ?

DNA(specification)—**MRX32 gene;****sequence variation**

name of component: mental retardation, X-linked
32

[NPU36951](#)

DNA(spec.)—MRX32 gene; seq.var. = ?

DNA(specification)—**MRX33 gene;****sequence variation**

name of component: mental retardation, X-linked
33

[NPU36952](#)

DNA(spec.)—MRX33 gene; seq.var. = ?

DNA(specification)—**MRX34 gene;****sequence variation**

name of component: mental retardation, X-linked
34

[NPU36953](#)

DNA(spec.)—MRX34 gene; seq.var. = ?

DNA(specification)—**MRX35 gene;****sequence variation**

name of component: mental retardation, X-linked
35

[NPU36954](#)

DNA(spec.)—MRX35 gene; seq.var. = ?

DNA(specification)—**MRX36 gene;****sequence variation**

name of component: mental retardation, X-linked
36

[NPU36955](#)

DNA(spec.)—MRX36 gene; seq.var. = ?

DNA(specification)—**MRX37 gene;****sequence variation**

name of component: mental retardation, X-linked
37

[NPU36956](#)

DNA(spec.)—MRX37 gene; seq.var. = ?

DNA(specification)—**MRX38 gene;****sequence variation**

name of component: mental retardation, X-linked
38

[NPU36957](#)

DNA(spec.)—MRX38 gene; seq.var. = ?

DNA(specification)—**MRX39 gene;****sequence variation**

name of component: mental retardation, X-linked
39

[NPU36958](#)

DNA(spec.)—MRX39 gene; seq.var. = ?

DNA(specification)—**MRX4 gene;****sequence variation**

name of component: mental retardation, X-linked 4

[NPU36959](#)

DNA(spec.)—MRX4 gene; seq.var. = ?

DNA(specification)—**MRX40 gene;****sequence variation**

name of component: mental retardation, X-linked
40

[NPU36960](#)

DNA(spec.)—MRX40 gene; seq.var. = ?

DNA(specification)—**MRX42 gene;****sequence variation**

name of component: mental retardation, X-linked
42

[NPU36961](#)

DNA(spec.)—MRX42 gene; seq.var. = ?

DNA(specification)—
MRX43 gene;
sequence variation
name of component: mental retardation, X-linked
43
[NPU36962](#)
DNA(spec.)—MRX43 gene; seq.var. = ?

DNA(specification)—
MRX44 gene;
sequence variation
name of component: mental retardation, X-linked
44
[NPU36963](#)
DNA(spec.)—MRX44 gene; seq.var. = ?

DNA(specification)—
MRX45 gene;
sequence variation
name of component: mental retardation, X-linked
45
[NPU36964](#)
DNA(spec.)—MRX45 gene; seq.var. = ?

DNA(specification)—
MRX47 gene;
sequence variation
name of component: mental retardation, X-linked
47
[NPU36965](#)
DNA(spec.)—MRX47 gene; seq.var. = ?

DNA(specification)—
MRX49 gene;
sequence variation
name of component: mental retardation, X-linked
49
[NPU36966](#)
DNA(spec.)—MRX49 gene; seq.var. = ?

DNA(specification)—
MRX5 gene;
sequence variation
name of component: mental retardation, X-linked 5
[NPU36967](#)
DNA(spec.)—MRX5 gene; seq.var. = ?

DNA(specification)—
MRX50 gene;
sequence variation
name of component: mental retardation, X-linked
50
[NPU36968](#)
DNA(spec.)—MRX50 gene; seq.var. = ?

DNA(specification)—
MRX51 gene;
sequence variation
name of component: mental retardation, X-linked
51
[NPU36969](#)
DNA(spec.)—MRX51 gene; seq.var. = ?

DNA(specification)—
MRX52 gene;
sequence variation
name of component: mental retardation, X-linked
52
[NPU36970](#)
DNA(spec.)—MRX52 gene; seq.var. = ?

DNA(specification)—
MRX53 gene;
sequence variation
name of component: mental retardation, X-linked
53
[NPU36971](#)
DNA(spec.)—MRX53 gene; seq.var. = ?

DNA(specification)—
MRX54 gene;
sequence variation
name of component: mental retardation, X-linked
54
[NPU36972](#)
DNA(spec.)—MRX54 gene; seq.var. = ?

DNA(specification)—
MRX55 gene;
sequence variation
name of component: mental retardation, X-linked
55
[NPU36973](#)
DNA(spec.)—MRX55 gene; seq.var. = ?

DNA(specification)—
MRX56 gene;
sequence variation
name of component: mental retardation, X-linked
56
[NPU36974](#)
DNA(spec.)—MRX56 gene; seq.var. = ?

DNA(specification)—
MRX57 gene;
sequence variation
name of component: mental retardation, X-linked
57
[NPU36975](#)
DNA(spec.)—MRX57 gene; seq.var. = ?

DNA(specification)—
MRX58 gene;
sequence variation
name of component: mental retardation, X-linked
58
[NPU36976](#)
DNA(spec.)—MRX58 gene; seq.var. = ?

DNA(specification)—
MRX59 gene;
sequence variation
name of component: mental retardation, X-linked
59
[NPU36977](#)
DNA(spec.)—MRX59 gene; seq.var. = ?

DNA(specification)—
MRX6 gene;
sequence variation
name of component: mental retardation, X-linked 6
(Okinawa type)
[NPU36978](#)
DNA(spec.)—MRX6 gene; seq.var. = ?

DNA(specification)—
MRX60 gene;
sequence variation
name of component: mental retardation, X-linked
60
[NPU36979](#)
DNA(spec.)—MRX60 gene; seq.var. = ?

DNA(specification)—
MRX61 gene;
sequence variation
name of component: mental retardation, X-linked
61
[NPU36980](#)
DNA(spec.)—MRX61 gene; seq.var. = ?

DNA(specification)—
MRX62 gene;
sequence variation
name of component: mental retardation, X-linked
62
[NPU36981](#)
DNA(spec.)—MRX62 gene; seq.var. = ?

DNA(specification)—
MRX63 gene;
sequence variation
name of component: mental retardation, X-linked
63
[NPU36982](#)
DNA(spec.)—MRX63 gene; seq.var. = ?

DNA(specification)—
MRX64 gene;
sequence variation
name of component: mental retardation, X-linked
64
[NPU36983](#)
DNA(spec.)—MRX64 gene; seq.var. = ?

DNA(specification)—
MRX65 gene;
sequence variation
name of component: mental retardation, X-linked
65
[NPU36984](#)
DNA(spec.)—MRX65 gene; seq.var. = ?

DNA(specification)—
MRX66 gene;
sequence variation
name of component: mental retardation, X-linked
66
[NPU36985](#)
DNA(spec.)—MRX66 gene; seq.var. = ?

DNA(specification)—
MRX67 gene;
sequence variation
name of component: mental retardation, X-linked
67
[NPU36986](#)
DNA(spec.)—MRX67 gene; seq.var. = ?

DNA(specification)—
MRX68 gene;
sequence variation
name of component: mental retardation, X-linked
68
[NPU36987](#)
DNA(spec.)—MRX68 gene; seq.var. = ?

DNA(specification)—
MRX69 gene;
sequence variation
name of component: mental retardation, X-linked
69
[NPU36988](#)
DNA(spec.)—MRX69 gene; seq.var. = ?

DNA(specification)—
MRX7 gene;
sequence variation
name of component: mental retardation, X-linked 7
[NPU36989](#)
DNA(spec.)—MRX7 gene; seq.var. = ?

DNA(specification)—
MRX70 gene;
sequence variation
name of component: mental retardation, X-linked
70
[NPU36990](#)
DNA(spec.)—MRX70 gene; seq.var. = ?

DNA(specification)—
MRX72 gene;
sequence variation
name of component: mental retardation, X-linked
72
[NPU36991](#)
DNA(spec.)—MRX72 gene; seq.var. = ?

DNA(specification)—
MRX73 gene;
sequence variation
name of component: mental retardation, X-linked
73
[NPU36992](#)
DNA(spec.)—MRX73 gene; seq.var. = ?

DNA(specification)—
MRX74 gene;
sequence variation
name of component: mental retardation, X-linked
74
[NPU36993](#)
DNA(spec.)—MRX74 gene; seq.var. = ?

DNA(specification)—
MRX75 gene;
sequence variation
name of component: mental retardation, X-linked
75
[NPU36994](#)
DNA(spec.)—MRX75 gene; seq.var. = ?

DNA(specification)—
MRX76 gene;
sequence variation
name of component: mental retardation, X-linked
76
[NPU36995](#)
DNA(spec.)—MRX76 gene; seq.var. = ?

DNA(specification)—
MRX77 gene;
sequence variation
name of component: mental retardation, X-linked
77
[NPU43925](#)
DNA(spec.)—MRX77 gene; seq.var. = ?

DNA(specification)—
MRX78 gene;
sequence variation
name of component: mental retardation, X-linked
78
[NPU46185](#)
DNA(spec.)—MRX78 gene; seq.var. = ?

DNA(specification)—
MRX8 gene;
sequence variation
name of component: mental retardation, X-linked 8
[NPU36996](#)
DNA(spec.)—MRX8 gene; seq.var. = ?

DNA(specification)—
MRX81 gene;
sequence variation
name of component: mental retardation, X-linked
81
[NPU46960](#)
DNA(spec.)—MRX81 gene; seq.var. = ?

DNA(specification)—
MRX9 gene;
sequence variation
name of component: mental retardation, X-linked 9
[NPU36997](#)
DNA(spec.)—MRX9 gene; seq.var. = ?

DNA(specification)—
MRXS11 gene;
sequence variation
name of component: mental retardation, X-linked,
syndromic 11
[NPU42362](#)
DNA(spec.)—MRXS11 gene; seq.var. = ?

DNA(specification)—
MRXS7 gene;
sequence variation
name of component: mental retardation, X-linked,
syndromic 7
[NPU36998](#)
DNA(spec.)—MRXS7 gene; seq.var. = ?

DNA(specification)—
MS gene;
sequence variation
name of component: multiple sclerosis
[NPU36999](#)
DNA(spec.)—MS gene; seq.var. = ?

DNA(specification)—
MS4A1 gene;
sequence variation
name of component: membrane-spanning 4-
domains, subfamily A, member 1
[NPU37000](#)
DNA(spec.)—MS4A1 gene; seq.var. = ?

DNA(specification)—**MS4A12 gene;****sequence variation**

name of component: membrane-spanning 4-domains, subfamily A, member 12

[NPU42103](#)

DNA(spec.)—MS4A12 gene; seq.var. = ?

DNA(specification)—**MS4A2 gene;****sequence variation**

name of component: membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for; beta polypeptide)

[NPU37001](#)

DNA(spec.)—MS4A2 gene; seq.var. = ?

DNA(specification)—**MS4A3 gene;****sequence variation**

name of component: membrane-spanning 4-domains, subfamily A, member 3 (hematopoietic cell-specific)

[NPU37002](#)

DNA(spec.)—MS4A3 gene; seq.var. = ?

DNA(specification)—**MS4A4A gene;****sequence variation**

name of component: membrane-spanning 4-domains, subfamily A, member 4

[NPU42104](#)

DNA(spec.)—MS4A4A gene; seq.var. = ?

DNA(specification)—**MS4A4E gene;****sequence variation**

name of component: membrane-spanning 4-domains, subfamily A, member 4E

[NPU42646](#)

DNA(spec.)—MS4A4E gene; seq.var. = ?

DNA(specification)—**MS4A5 gene;****sequence variation**

name of component: membrane-spanning 4-domains, subfamily A, member 5

[NPU42105](#)

DNA(spec.)—MS4A5 gene; seq.var. = ?

DNA(specification)—**MS4A6A gene;****sequence variation**

name of component: membrane-spanning 4-domains, subfamily A, member 6A

[NPU42106](#)

DNA(spec.)—MS4A6A gene; seq.var. = ?

DNA(specification)—**MS4A6E gene;****sequence variation**

name of component: membrane-spanning 4-domains, subfamily A, member 6E

[NPU42647](#)

DNA(spec.)—MS4A6E gene; seq.var. = ?

DNA(specification)—**MS4A7 gene;****sequence variation**

name of component: membrane-spanning 4-domains, subfamily A, member 7

[NPU42107](#)

DNA(spec.)—MS4A7 gene; seq.var. = ?

DNA(specification)—**MS4A8B gene;****sequence variation**

name of component: membrane-spanning 4-domains, subfamily A, member 8B

[NPU42108](#)

DNA(spec.)—MS4A8B gene; seq.var. = ?

DNA(specification)—**MSBP1 gene;****sequence variation**

name of component: minisatellite binding protein 1

[NPU37003](#)

DNA(spec.)—MSBP1 gene; seq.var. = ?

DNA(specification)—**MSBP2 gene;****sequence variation**

name of component: minisatellite binding protein 2, 77 kDa

[NPU37004](#)

DNA(spec.)—MSBP2 gene; seq.var. = ?

DNA(specification)—**MSBP3 gene;****sequence variation**

name of component: minisatellite binding protein 3, 115 kDa

[NPU37005](#)

DNA(spec.)—MSBP3 gene; seq.var. = ?

DNA(specification)—**MSC gene;****sequence variation**

name of component: musculin (activated B-cell factor-1)

[NPU37006](#)

DNA(spec.)—MSC gene; seq.var. = ?

DNA(specification)—**MSD gene;****sequence variation**

name of component: microcephaly with spastic diplegia (Paine syndrome)

[NPU37007](#)

DNA(spec.)—MSD gene; seq.var. = ?

DNA(specification)—**MSF gene;****sequence variation**

name of component: MLL septin-like fusion

[NPU37008](#)

DNA(spec.)—MSF gene; seq.var. = ?

DNA(specification)—**MSH2 gene;****sequence variation**

name of component: mutS homolog 2, colon cancer, nonpolyposis type 1 (E. coli)

[NPU19219](#)

DNA(spec.)—MSH2 gene; seq.var. = ?

DNA(specification)—**MSH3 gene;****sequence variation**

name of component: mutS homolog 3 (E. coli)

[NPU37009](#)

DNA(spec.)—MSH3 gene; seq.var. = ?

DNA(specification)—**MSH4 gene;****sequence variation**

name of component: mutS homolog 4 (E. coli)

[NPU37010](#)

DNA(spec.)—MSH4 gene; seq.var. = ?

DNA(specification)—**MSH5 gene;****sequence variation**

name of component: mutS homolog 5 (E. coli)

[NPU37011](#)

DNA(spec.)—MSH5 gene; seq.var. = ?

DNA(specification)—**MSH6 gene;****sequence variation**

name of component: mutS homolog 6 (E. coli)

[NPU19271](#)

DNA(spec.)—MSH6 gene; seq.var. = ?

DNA(specification)—**MSI1 gene;****sequence variation**

name of component: musashi homolog 1 (Drosophila)

[NPU37012](#)

DNA(spec.)—MSI1 gene; seq.var. = ?

DNA(specification)—**MSI2 gene;****sequence variation**

name of component: musashi homolog 2 (Drosophila)

[NPU46553](#)

DNA(spec.)—MSI2 gene; seq.var. = ?

DNA(specification)—**MSK1 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody AJ9

[NPU37013](#)

DNA(spec.)—MSK1 gene; seq.var. = ?

DNA(specification)—**MSK10 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody AJ425

[NPU37014](#)

DNA(spec.)—MSK10 gene; seq.var. = ?

DNA(specification)—**MSK11 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody SR84

[NPU37015](#)

DNA(spec.)—MSK11 gene; seq.var. = ?

DNA(specification)—**MSK13 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody Q14

[NPU37016](#)

DNA(spec.)—MSK13 gene; seq.var. = ?

DNA(specification)—**MSK14 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody JF23

[NPU37017](#)

DNA(spec.)—MSK14 gene; seq.var. = ?

DNA(specification)—**MSK15 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody SV13

[NPU37018](#)

DNA(spec.)—MSK15 gene; seq.var. = ?

DNA(specification)—**MSK17 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody F23

[NPU37019](#)

DNA(spec.)—MSK17 gene; seq.var. = ?

DNA(specification)—**MSK18 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody J143

[NPU37020](#)

DNA(spec.)—MSK18 gene; seq.var. = ?

DNA(specification)—**MSK19 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody F8 (glycoprotein 95 kDa)

[NPU37021](#)

DNA(spec.)—MSK19 gene; seq.var. = ?

DNA(specification)—**MSK2 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody T87

[NPU37022](#)

DNA(spec.)—MSK2 gene; seq.var. = ?

DNA(specification)—**MSK20 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody F10 (glycoprotein 50 kDa)

[NPU37023](#)

DNA(spec.)—MSK20 gene; seq.var. = ?

DNA(specification)—**MSK22 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody A124

[NPU37024](#)

DNA(spec.)—MSK22 gene; seq.var. = ?

DNA(specification)—**MSK23 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody T43

[NPU37025](#)

DNA(spec.)—MSK23 gene; seq.var. = ?

DNA(specification)—**MSK24 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody NP13

[NPU37026](#)

DNA(spec.)—MSK24 gene; seq.var. = ?

DNA(specification)—**MSK25 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody MC139

[NPU37027](#)

DNA(spec.)—MSK25 gene; seq.var. = ?

DNA(specification)—**MSK26 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody K117

[NPU37028](#)

DNA(spec.)—MSK26 gene; seq.var. = ?

DNA(specification)—**MSK27 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody MG6

[NPU37029](#)

DNA(spec.)—MSK27 gene; seq.var. = ?

DNA(specification)—**MSK28 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody MG2

[NPU37030](#)

DNA(spec.)—MSK28 gene; seq.var. = ?

DNA(specification)—**MSK29 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody A42

[NPU37031](#)

DNA(spec.)—MSK29 gene; seq.var. = ?

DNA(specification)—**MSK3 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody M68

[NPU37032](#)

DNA(spec.)—MSK3 gene; seq.var. = ?

DNA(specification)—**MSK30 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody A42

[NPU37033](#)

DNA(spec.)—MSK30 gene; seq.var. = ?

DNA(specification)—**MSK31 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody SR75

[NPU37034](#)

DNA(spec.)—MSK31 gene; seq.var. = ?

DNA(specification)—**MSK32 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody K66

[NPU37035](#)

DNA(spec.)—MSK32 gene; seq.var. = ?

DNA(specification)—**MSK33 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody SR3

[NPU37036](#)

DNA(spec.)—MSK33 gene; seq.var. = ?

DNA(specification)—**MSK34 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody CNT/6

[NPU37037](#)

DNA(spec.)—MSK34 gene; seq.var. = ?

DNA(specification)—**MSK35 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody SR27

[NPU37038](#)

DNA(spec.)—MSK35 gene; seq.var. = ?

DNA(specification)—**MSK36 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody CNT/11

[NPU37039](#)

DNA(spec.)—MSK36 gene; seq.var. = ?

DNA(specification)—**MSK37 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody S7

[NPU37040](#)

DNA(spec.)—MSK37 gene; seq.var. = ?

DNA(specification)—**MSK38 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody O5

[NPU37041](#)

DNA(spec.)—MSK38 gene; seq.var. = ?

DNA(specification)—**MSK39 gene;****sequence variation**

name of component: antigen recognized by monoclonal antibody 5.1H11

[NPU37042](#)

DNA(spec.)—MSK39 gene; seq.var. = ?

DNA(specification)—**MSK4 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody A123/A127

[NPU37043](#)

DNA(spec.)—MSK4 gene; seq.var. = ?

DNA(specification)—**MSK40 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody F35/9

[NPU37044](#)

DNA(spec.)—MSK40 gene; seq.var. = ?

DNA(specification)—**MSK41 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody E3

[NPU37045](#)

DNA(spec.)—MSK41 gene; seq.var. = ?

DNA(specification)—**MSK7 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody VI

[NPU37046](#)

DNA(spec.)—MSK7 gene; seq.var. = ?

DNA(specification)—**MSK8 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody L230

[NPU37047](#)

DNA(spec.)—MSK8 gene; seq.var. = ?

DNA(specification)—**MSK9 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody K15

[NPU37048](#)

DNA(spec.)—MSK9 gene; seq.var. = ?

DNA(specification)—**MSL3L1 gene;****sequence variation**

name of component: male-specific lethal 3-like 1 (Drosophila)

[NPU37049](#)

DNA(spec.)—MSL3L1 gene; seq.var. = ?

DNA(specification)—**MSL3L2 gene;****sequence variation**

name of component: male-specific lethal 3-like 2 (Drosophila)

[NPU46134](#)

DNA(spec.)—MSL3L2 gene; seq.var. = ?

DNA(specification)—**MSLN gene;****sequence variation**

name of component: mesothelin

[NPU37050](#)

DNA(spec.)—MSLN gene; seq.var. = ?

DNA(specification)—**MSMB gene;****sequence variation**

name of component: microseminoprotein, beta-

[NPU37051](#)

DNA(spec.)—MSMB gene; seq.var. = ?

DNA(specification)—**MSN gene;****sequence variation**

name of component: moesin

[NPU37052](#)

DNA(spec.)—MSN gene; seq.var. = ?

DNA(specification)—**MSNL1 gene;****sequence variation**

name of component: moesin-like 1

[NPU37053](#)

DNA(spec.)—MSNL1 gene; seq.var. = ?

DNA(specification)—**MSNL2 gene;****sequence variation**

name of component: moesin-like 2

[NPU37054](#)

DNA(spec.)—MSNL2 gene; seq.var. = ?

DNA(specification)—**MSR1 gene;****sequence variation**

name of component: macrophage scavenger receptor 1

[NPU37055](#)

DNA(spec.)—MSR1 gene; seq.var. = ?

DNA(specification)—**MSRA gene;****sequence variation**

name of component: methionine sulfoxide reductase A

[NPU37056](#)

DNA(spec.)—MSRA gene; seq.var. = ?

DNA(specification)—**MSS gene;****sequence variation**

name of component: Marinesco-Sjogren syndrome

[NPU37057](#)

DNA(spec.)—MSS gene; seq.var. = ?

DNA(specification)—**MSSE gene;****sequence variation**

name of component: multiple self-healing squamous epithelioma

[NPU37058](#)

DNA(spec.)—MSSE gene; seq.var. = ?

DNA(specification)—**MST1 gene;****sequence variation**

name of component: macrophage stimulating 1 (hepatocyte growth factor-like)

[NPU37059](#)

DNA(spec.)—MST1 gene; seq.var. = ?

DNA(specification)—**MST1R gene;****sequence variation**

name of component: macrophage stimulating 1 receptor (c-met-related tyrosine kinase)

[NPU37060](#)

DNA(spec.)—MST1R gene; seq.var. = ?

DNA(specification)—**MSTP1 gene;****sequence variation**

name of component: macrophage stimulating,
pseudogene 1

[NPU37061](#)

DNA(spec.)—MSTP1 gene; seq.var. = ?

DNA(specification)—**MSTP2 gene;****sequence variation**

name of component: macrophage stimulating,
pseudogene 2

[NPU37062](#)

DNA(spec.)—MSTP2 gene; seq.var. = ?

DNA(specification)—**MSTP3 gene;****sequence variation**

name of component: macrophage stimulating,
pseudogene 3

[NPU37063](#)

DNA(spec.)—MSTP3 gene; seq.var. = ?

DNA(specification)—**MSTP4 gene;****sequence variation**

name of component: macrophage stimulating,
pseudogene 4

[NPU37064](#)

DNA(spec.)—MSTP4 gene; seq.var. = ?

DNA(specification)—**MSTP5 gene;****sequence variation**

name of component: macrophage stimulating,
pseudogene 5

[NPU37065](#)

DNA(spec.)—MSTP5 gene; seq.var. = ?

DNA(specification)—**MSTP6 gene;****sequence variation**

name of component: macrophage stimulating,
pseudogene 6

[NPU37066](#)

DNA(spec.)—MSTP6 gene; seq.var. = ?

DNA(specification)—**MSTP7 gene;****sequence variation**

name of component: macrophage stimulating,
pseudogene 7

[NPU37067](#)

DNA(spec.)—MSTP7 gene; seq.var. = ?

DNA(specification)—**MSTP8 gene;****sequence variation**

name of component: macrophage stimulating,
pseudogene 8

[NPU37068](#)

DNA(spec.)—MSTP8 gene; seq.var. = ?

DNA(specification)—**MSTP9 gene;****sequence variation**

name of component: macrophage stimulating,
pseudogene 9

[NPU37069](#)

DNA(spec.)—MSTP9 gene; seq.var. = ?

DNA(specification)—**MSX1 gene;****sequence variation**

name of component: msh homeo box homolog 1
(Drosophila)

[NPU37070](#)

DNA(spec.)—MSX1 gene; seq.var. = ?

DNA(specification)—**MSX2 gene;****sequence variation**

name of component: msh homeo box homolog 2
(Drosophila)

[NPU37071](#)

DNA(spec.)—MSX2 gene; seq.var. = ?

DNA(specification)—**MT1A gene;****sequence variation**

name of component: metallothionein 1A (func-
tional)

[NPU37072](#)

DNA(spec.)—MT1A gene; seq.var. = ?

DNA(specification)—**MT1B gene;****sequence variation**

name of component: metallothionein 1B (func-
tional)

[NPU37073](#)

DNA(spec.)—MT1B gene; seq.var. = ?

DNA(specification)—**MT1CP gene;****sequence variation**

name of component: metallothionein 1C (pseu-
dogene)

[NPU37074](#)

DNA(spec.)—MT1CP gene; seq.var. = ?

DNA(specification)—**MT1DP gene;****sequence variation**

name of component: metallothionein 1D (pseudogene)

[NPU37075](#)

DNA(spec.)—MT1DP gene; seq.var. = ?

DNA(specification)—**MT1E gene;****sequence variation**

name of component: metallothionein 1E (functional)

[NPU37076](#)

DNA(spec.)—MT1E gene; seq.var. = ?

DNA(specification)—**MT1F gene;****sequence variation**

name of component: metallothionein 1F (functional)

[NPU37077](#)

DNA(spec.)—MT1F gene; seq.var. = ?

DNA(specification)—**MT1G gene;****sequence variation**

name of component: metallothionein 1G

[NPU37078](#)

DNA(spec.)—MT1G gene; seq.var. = ?

DNA(specification)—**MT1H gene;****sequence variation**

name of component: metallothionein 1H

[NPU37079](#)

DNA(spec.)—MT1H gene; seq.var. = ?

DNA(specification)—**MT1I gene;****sequence variation**

name of component: metallothionein 1I

[NPU37080](#)

DNA(spec.)—MT1I gene; seq.var. = ?

DNA(specification)—**MT1J gene;****sequence variation**

name of component: metallothionein 1J

[NPU37081](#)

DNA(spec.)—MT1J gene; seq.var. = ?

DNA(specification)—**MT1K gene;****sequence variation**

name of component: metallothionein 1K

[NPU37082](#)

DNA(spec.)—MT1K gene; seq.var. = ?

DNA(specification)—**MT1L gene;****sequence variation**

name of component: metallothionein 1L

[NPU37083](#)

DNA(spec.)—MT1L gene; seq.var. = ?

DNA(specification)—**MT1NP gene;****sequence variation**

name of component: metallothionein 1N, pseudogene

[NPU43171](#)

DNA(spec.)—MT1NP gene; seq.var. = ?

DNA(specification)—**MT1Q gene;****sequence variation**

name of component: metallothionein 1Q

[NPU43172](#)

DNA(spec.)—MT1Q gene; seq.var. = ?

DNA(specification)—**MT1S gene;****sequence variation**

name of component: metallothionein 1S

[NPU43202](#)

DNA(spec.)—MT1S gene; seq.var. = ?

DNA(specification)—**MT1X gene;****sequence variation**

name of component: metallothionein 1X

[NPU37084](#)

DNA(spec.)—MT1X gene; seq.var. = ?

DNA(specification)—**MT2A gene;****sequence variation**

name of component: metallothionein 2A

[NPU37085](#)

DNA(spec.)—MT2A gene; seq.var. = ?

DNA(specification)—**MT2P1 gene;****sequence variation**

name of component: metallothionein 2 pseudogene 1 (processed)

[NPU37086](#)

DNA(spec.)—MT2P1 gene; seq.var. = ?

DNA(specification)—**MT3 gene;****sequence variation**

name of component: metallothionein 3 (growth inhibitory factor (neurotrophic))

[NPU37087](#)

DNA(spec.)—MT3 gene; seq.var. = ?

DNA(specification)—**MT4 gene;****sequence variation**

name of component: metallothionein IV

[NPU46628](#)

DNA(spec.)—MT4 gene; seq.var. = ?

DNA(specification)—**MTA1 gene;****sequence variation**

name of component: metastasis associated 1

[NPU37088](#)

DNA(spec.)—MTA1 gene; seq.var. = ?

DNA(specification)—**MTA1L1 gene;****sequence variation**

name of component: metastasis-associated 1-like 1

[NPU37089](#)

DNA(spec.)—MTA1L1 gene; seq.var. = ?

DNA(specification)—**MTAP gene;****sequence variation**

name of component: methylthioadenosine phosphorylase

[NPU37090](#)

DNA(spec.)—MTAP gene; seq.var. = ?

DNA(specification)—**MTBP gene;****sequence variation**

name of component: Mdm2, transformed 3T3 cell double minute 2, p53 binding protein (mouse) binding protein, 104 kDa

[NPU37091](#)

DNA(spec.)—MTBP gene; seq.var. = ?

DNA(specification)—**MTCH1 gene;****sequence variation**

name of component: mitochondrial carrier homolog 1 (C. elegans)

[NPU46052](#)

DNA(spec.)—MTCH1 gene; seq.var. = ?

DNA(specification)—**MTCH2 gene;****sequence variation**

name of component: mitochondrial carrier homolog 2 (C. elegans)

[NPU46053](#)

DNA(spec.)—MTCH2 gene; seq.var. = ?

DNA(specification)—**MTCO1P1 gene;****sequence variation**

name of component: cytochrome c oxidase pseudogene 1

[NPU37092](#)

DNA(spec.)—MTCO1P1 gene; seq.var. = ?

DNA(specification)—**MTCO1P2 gene;****sequence variation**

name of component: cytochrome c oxidase pseudogene 2

[NPU47323](#)

DNA(spec.)—MTCO1P2 gene; seq.var. = ?

DNA(specification)—**MTCO2L gene;****sequence variation**

name of component: cytochrome c oxidase II-like

[NPU44545](#)

DNA(spec.)—MTCO2L gene; seq.var. = ?

DNA(specification)—**MTCP1 gene;****sequence variation**

name of component: mature T-cell proliferation 1

[NPU37093](#)

DNA(spec.)—MTCP1 gene; seq.var. = ?

DNA(specification)—**MTF1 gene;****sequence variation**

name of component: metal-regulatory transcription factor 1

[NPU37094](#)

DNA(spec.)—MTF1 gene; seq.var. = ?

DNA(specification)—**MTHFD1 gene;****sequence variation**

name of component: methylenetetrahydrofolate dehydrogenase (NADP+ dependent), methenyltetrahydrofolate cyclohydrolase, formyltetrahydrofolate synthetase

[NPU37095](#)

DNA(spec.)—MTHFD1 gene; seq.var. = ?

DNA(specification)—**MTHFD1P1 gene;****sequence variation**

name of component: methylenetetrahydrofolate dehydrogenase (NADP+ dependent), methenyltetrahydrofolate cyclohydrolase, formyltetrahydrofolate synthetase pseudogene 1

[NPU37096](#)

DNA(spec.)—MTHFD1P1 gene; seq.var. = ?

DNA(specification)—**MTHFD2 gene;****sequence variation**

name of component: methylene tetrahydrofolate dehydrogenase (NAD⁺ dependent), methenyltetrahydrofolate cyclohydrolase

[NPU37097](#)

DNA(spec.)—MTHFD2 gene; seq.var. = ?

DNA(specification)—**MTHFR gene;****sequence variation**

name of component: 5,10-methylenetetrahydrofolate reductase (NADPH)

[NPU19143](#)

DNA(spec.)—MTHFR gene; seq.var. = ?

DNA(specification)—**MTHFS gene;****sequence variation**

name of component: 5,10-methenyltetrahydrofolate synthetase (5-formyltetrahydrofolate cyclo-ligase)

[NPU37098](#)

DNA(spec.)—MTHFS gene; seq.var. = ?

DNA(specification)—**MTIF2 gene;****sequence variation**

name of component: mitochondrial translational initiation factor 2

[NPU37099](#)

DNA(spec.)—MTIF2 gene; seq.var. = ?

DNA(specification)—**MTIF2P1 gene;****sequence variation**

name of component: mitochondrial translational initiation factor 2 pseudogene 1

[NPU43119](#)

DNA(spec.)—MTIF2P1 gene; seq.var. = ?

DNA(specification)—**MTL1 gene;****sequence variation**

name of component: metallothionein-like 1

[NPU37100](#)

DNA(spec.)—MTL1 gene; seq.var. = ?

DNA(specification)—**MTL2 gene;****sequence variation**

name of component: metallothionein-like 2

[NPU37101](#)

DNA(spec.)—MTL2 gene; seq.var. = ?

DNA(specification)—**MTL3 gene;****sequence variation**

name of component: metallothionein-like 3

[NPU37102](#)

DNA(spec.)—MTL3 gene; seq.var. = ?

DNA(specification)—**MTL4 gene;****sequence variation**

name of component: metallothionein-like 4

[NPU37103](#)

DNA(spec.)—MTL4 gene; seq.var. = ?

DNA(specification)—**MTL5 gene;****sequence variation**

name of component: metallothionein-like 5, testis-specific (tesmin)

[NPU37104](#)

DNA(spec.)—MTL5 gene; seq.var. = ?

DNA(specification)—**MTM1 gene;****sequence variation**

name of component: myotubular myopathy 1

[NPU37105](#)

DNA(spec.)—MTM1 gene; seq.var. = ?

DNA(specification)—**MTMR1 gene;****sequence variation**

name of component: myotubularin related protein 1

[NPU37106](#)

DNA(spec.)—MTMR1 gene; seq.var. = ?

DNA(specification)—**MTMR2 gene;****sequence variation**

name of component: myotubularin related protein 2

[NPU37107](#)

DNA(spec.)—MTMR2 gene; seq.var. = ?

DNA(specification)—**MTMR3 gene;****sequence variation**

name of component: myotubularin related protein 3

[NPU37108](#)

DNA(spec.)—MTMR3 gene; seq.var. = ?

DNA(specification)—**MTMR4 gene;****sequence variation**

name of component: myotubularin related protein 4

[NPU37109](#)

DNA(spec.)—MTMR4 gene; seq.var. = ?

DNA(specification)—**MTMR6 gene;****sequence variation**

name of component: myotubularin related protein 6

[NPU37110](#)

DNA(spec.)—MTMR6 gene; seq.var. = ?

DNA(specification)—**MTMR7 gene;****sequence variation**

name of component: myotubularin related protein 7

[NPU37111](#)

DNA(spec.)—MTMR7 gene; seq.var. = ?

DNA(specification)—**MTMR8 gene;****sequence variation**

name of component: myotubularin related protein 8

[NPU44723](#)

DNA(spec.)—MTMR8 gene; seq.var. = ?

DNA(specification)—**MTMR9 gene;****sequence variation**

name of component: myotubularin related protein 9

[NPU42886](#)

DNA(spec.)—MTMR9 gene; seq.var. = ?

DNA(specification)—**MTND2P1 gene;****sequence variation**name of component: NADH dehydrogenase 2
pseudogene 1[NPU37112](#)

DNA(spec.)—MTND2P1 gene; seq.var. = ?

DNA(specification)—**MTNR1A gene;****sequence variation**

name of component: melatonin receptor 1A

[NPU37113](#)

DNA(spec.)—MTNR1A gene; seq.var. = ?

DNA(specification)—**MTNR1B gene;****sequence variation**

name of component: melatonin receptor 1B

[NPU37114](#)

DNA(spec.)—MTNR1B gene; seq.var. = ?

DNA(specification)—**MTO1 gene;****sequence variation**name of component: mitochondrial translation op-
timization 1 homolog (S. cerevisiae)[NPU46945](#)

DNA(spec.)—MTO1 gene; seq.var. = ?

DNA(specification)—**MTP gene;****sequence variation**name of component: microsomal triglyceride trans-
fer protein (large polypeptide, 88 kDa)[NPU37115](#)

DNA(spec.)—MTP gene; seq.var. = ?

DNA(specification)—**MTPN gene;****sequence variation**

name of component: myotrophin

[NPU43810](#)

DNA(spec.)—MTPN gene; seq.var. = ?

DNA(specification)—**MTR gene;****sequence variation**name of component: 5-methyltetrahydrofolate-
homocysteine methyltransferase[NPU37116](#)

DNA(spec.)—MTR gene; seq.var. = ?

DNA(specification)—**MTRF1 gene;****sequence variation**name of component: mitochondrial translational
release factor 1[NPU37117](#)

DNA(spec.)—MTRF1 gene; seq.var. = ?

DNA(specification)—**MTRF1L gene;****sequence variation**name of component: mitochondrial translational
release factor 1-like[NPU47847](#)

DNA(spec.)—MTRF1L gene; seq.var. = ?

DNA(specification)—**MTRR gene;****sequence variation**name of component: 5-methyltetrahydrofolate-
homocysteine methyltransferase reductase[NPU37118](#)

DNA(spec.)—MTRR gene; seq.var. = ?

DNA(specification)—**MTSS1 gene;****sequence variation**

name of component: metastasis suppressor 1

[NPU47620](#)

DNA(spec.)—MTSS1 gene; seq.var. = ?

DNA(specification)—**MTX1 gene;****sequence variation**

name of component: metaxin 1

[NPU37119](#)

DNA(spec.)—MTX1 gene; seq.var. = ?

DNA(specification)—
MTX1P gene;
sequence variation
name of component: metaxin 1 pseudogene
[NPU37120](#)
DNA(spec.)—MTX1P gene; seq.var. = ?

DNA(specification)—
MTX2 gene;
sequence variation
name of component: metaxin 2
[NPU37121](#)
DNA(spec.)—MTX2 gene; seq.var. = ?

DNA(specification)—
MUC1 gene;
sequence variation
name of component: mucin 1, transmembrane
[NPU37122](#)
DNA(spec.)—MUC1 gene; seq.var. = ?

DNA(specification)—
MUC11 gene;
sequence variation
name of component: mucin 11
[NPU37123](#)
DNA(spec.)—MUC11 gene; seq.var. = ?

DNA(specification)—
MUC12 gene;
sequence variation
name of component: mucin 12
[NPU37124](#)
DNA(spec.)—MUC12 gene; seq.var. = ?

DNA(specification)—
MUC13 gene;
sequence variation
name of component: mucin 13, epithelial transmembrane
[NPU37125](#)
DNA(spec.)—MUC13 gene; seq.var. = ?

DNA(specification)—
MUC15 gene;
sequence variation
name of component: mucin 15
[NPU43198](#)
DNA(spec.)—MUC15 gene; seq.var. = ?

DNA(specification)—
MUC16 gene;
sequence variation
name of component: mucin 16
[NPU43759](#)
DNA(spec.)—MUC16 gene; seq.var. = ?

DNA(specification)—
MUC17 gene;
sequence variation
name of component: mucin 17
[NPU44705](#)
DNA(spec.)—MUC17 gene; seq.var. = ?

DNA(specification)—
MUC2 gene;
sequence variation
name of component: mucin 2, intestinal/tracheal
[NPU37126](#)
DNA(spec.)—MUC2 gene; seq.var. = ?

DNA(specification)—
MUC3A gene;
sequence variation
name of component: mucin 3A, intestinal
[NPU37127](#)
DNA(spec.)—MUC3A gene; seq.var. = ?

DNA(specification)—
MUC3B gene;
sequence variation
name of component: mucin 3B
[NPU42109](#)
DNA(spec.)—MUC3B gene; seq.var. = ?

DNA(specification)—
MUC4 gene;
sequence variation
name of component: mucin 4, tracheobronchial
[NPU37128](#)
DNA(spec.)—MUC4 gene; seq.var. = ?

DNA(specification)—
MUC5AC gene;
sequence variation
name of component: mucin 5, subtypes A and C, tracheobronchial/gastric
[NPU37129](#)
DNA(spec.)—MUC5AC gene; seq.var. = ?

DNA(specification)—
MUC5B gene;
sequence variation
name of component: mucin 5, subtype B, tracheobronchial
[NPU37130](#)
DNA(spec.)—MUC5B gene; seq.var. = ?

DNA(specification)—
MUC6 gene;
sequence variation
name of component: mucin 6, gastric
[NPU37131](#)
DNA(spec.)—MUC6 gene; seq.var. = ?

DNA(specification)—**MUC7 gene;****sequence variation**

name of component: mucin 7, salivary

[NPU37132](#)

DNA(spec.)—MUC7 gene; seq.var. = ?

DNA(specification)—**MUC8 gene;****sequence variation**

name of component: mucin 8, tracheobronchial

[NPU37133](#)

DNA(spec.)—MUC8 gene; seq.var. = ?

DNA(specification)—**MUCDHL gene;****sequence variation**

name of component: mucin and cadherin-like

[NPU37134](#)

DNA(spec.)—MUCDHL gene; seq.var. = ?

DNA(specification)—**MUSK gene;****sequence variation**

name of component: muscle, skeletal, receptor tyrosine kinase

[NPU37136](#)

DNA(spec.)—MUSK gene; seq.var. = ?

DNA(specification)—**MUT gene;****sequence variation**

name of component: methylmalonyl Coenzyme A mutase

[NPU37137](#)

DNA(spec.)—MUT gene; seq.var. = ?

DNA(specification)—**MUTYH gene;****sequence variation**

name of component: mutY homolog (E. coli)

[NPU37138](#)

DNA(spec.)—MUTYH gene; seq.var. = ?

DNA(specification)—**MUW53 gene;****sequence variation**

name of component: antigen identified by monoclonal antibody 53.6

[NPU37139](#)

DNA(spec.)—MUW53 gene; seq.var. = ?

DNA(specification)—**MVD gene;****sequence variation**

name of component: mevalonate (diphospho) decarboxylase

[NPU37140](#)

DNA(spec.)—MVD gene; seq.var. = ?

DNA(specification)—**MVK gene;****sequence variation**

name of component: mevalonate kinase (mevalonic aciduria)

[NPU19307](#)

DNA(spec.)—MVK gene; seq.var. = ?

DNA(specification)—**MVP gene;****sequence variation**

name of component: major vault protein

[NPU37141](#)

DNA(spec.)—MVP gene; seq.var. = ?

DNA(specification)—**MX1 gene;****sequence variation**

name of component: myxovirus (influenza virus) resistance 1, interferon-inducible protein p78 (mouse)

[NPU37142](#)

DNA(spec.)—MX1 gene; seq.var. = ?

DNA(specification)—**MX2 gene;****sequence variation**

name of component: myxovirus (influenza virus) resistance 2 (mouse)

[NPU37143](#)

DNA(spec.)—MX2 gene; seq.var. = ?

DNA(specification)—**MXD3 gene;****sequence variation**

name of component: MAX dimerization protein 3

[NPU42444](#)

DNA(spec.)—MXD3 gene; seq.var. = ?

DNA(specification)—**MXD4 gene;****sequence variation**

name of component: MAX dimerization protein 4

[NPU42379](#)

DNA(spec.)—MXD4 gene; seq.var. = ?

DNA(specification)—**MXI1 gene;****sequence variation**

name of component: MAX interacting protein 1

[NPU19150](#)

DNA(spec.)—MXI1 gene; seq.var. = ?

DNA(specification)—**MXRA1 gene;****sequence variation**

name of component: matrix-remodelling associated 1

[NPU37144](#)

DNA(spec.)—MXRA1 gene; seq.var. = ?

DNA(specification)—**MXRA2 gene;****sequence variation**name of component: matrix-remodelling associated
2[NPU37145](#)

DNA(spec.)—MXRA2 gene; seq.var. = ?

DNA(specification)—**MXRA3 gene;****sequence variation**name of component: matrix-remodelling associated
3[NPU37146](#)

DNA(spec.)—MXRA3 gene; seq.var. = ?

DNA(specification)—**MXRA4 gene;****sequence variation**name of component: matrix-remodelling associated
4[NPU37147](#)

DNA(spec.)—MXRA4 gene; seq.var. = ?

DNA(specification)—**MXRA5 gene;****sequence variation**name of component: matrix-remodelling associated
5[NPU37148](#)

DNA(spec.)—MXRA5 gene; seq.var. = ?

DNA(specification)—**MXRA6 gene;****sequence variation**name of component: matrix-remodelling associated
6[NPU37149](#)

DNA(spec.)—MXRA6 gene; seq.var. = ?

DNA(specification)—**MXRA7 gene;****sequence variation**name of component: matrix-remodelling associated
7[NPU37150](#)

DNA(spec.)—MXRA7 gene; seq.var. = ?

DNA(specification)—**MXRA8 gene;****sequence variation**name of component: matrix-remodelling associated
8[NPU37151](#)

DNA(spec.)—MXRA8 gene; seq.var. = ?

DNA(specification)—**MYADM gene;****sequence variation**

name of component: myeloid-associated differentiation marker

[NPU37152](#)

DNA(spec.)—MYADM gene; seq.var. = ?

DNA(specification)—**MYB gene;****sequence variation**

name of component: v-myb myeloblastosis viral oncogene homolog (avian)

[NPU37153](#)

DNA(spec.)—MYB gene; seq.var. = ?

DNA(specification)—**MYBBP1A gene;****sequence variation**name of component: MYB binding protein (P160)
1a[NPU37154](#)

DNA(spec.)—MYBBP1A gene; seq.var. = ?

DNA(specification)—**MYBL1 gene;****sequence variation**

name of component: v-myb myeloblastosis viral oncogene homolog (avian)-like 1

[NPU37155](#)

DNA(spec.)—MYBL1 gene; seq.var. = ?

DNA(specification)—**MYBL2 gene;****sequence variation**

name of component: v-myb myeloblastosis viral oncogene homolog (avian)-like 2

[NPU37156](#)

DNA(spec.)—MYBL2 gene; seq.var. = ?

DNA(specification)—**MYBPC1 gene;****sequence variation**

name of component: myosin binding protein C, slow type

[NPU37157](#)

DNA(spec.)—MYBPC1 gene; seq.var. = ?

DNA(specification)—**MYBPC2 gene;****sequence variation**

name of component: myosin binding protein C, fast type

[NPU37158](#)

DNA(spec.)—MYBPC2 gene; seq.var. = ?

DNA(specification)—**MYBPC3 gene;****sequence variation**

name of component: myosin binding protein C, cardiac

[NPU37159](#)

DNA(spec.)—MYBPC3 gene; seq.var. = ?

DNA(specification)—**MYBPH gene;****sequence variation**

name of component: myosin binding protein H

[NPU37160](#)

DNA(spec.)—MYBPH gene; seq.var. = ?

DNA(specification)—**MYC gene;****sequence variation**

name of component: v-myc myelocytomatosis viral oncogene homolog (avian)

[NPU19151](#)

DNA(spec.)—MYC gene; seq.var. = ?

DNA(specification)—**MYCBP gene;****sequence variation**

name of component: c-myc binding protein

[NPU37161](#)

DNA(spec.)—MYCBP gene; seq.var. = ?

DNA(specification)—**MYCL1 gene;****sequence variation**

name of component: v-myc myelocytomatosis viral oncogene homolog 1, lung carcinoma derived (avian)

[NPU37162](#)

DNA(spec.)—MYCL1 gene; seq.var. = ?

DNA(specification)—**MYCL2 gene;****sequence variation**

name of component: v-myc myelocytomatosis viral oncogene homolog 2 (avian)

[NPU37163](#)

DNA(spec.)—MYCL2 gene; seq.var. = ?

DNA(specification)—**MYCL3 gene;****sequence variation**

name of component: v-myc myelocytomatosis viral oncogene homolog 3 pseudogene (avian)

[NPU37164](#)

DNA(spec.)—MYCL3 gene; seq.var. = ?

DNA(specification)—**MYCLK1 gene;****sequence variation**

name of component: v-myc myelocytomatosis viral oncogene homolog (avian)-like 1

[NPU37165](#)

DNA(spec.)—MYCLK1 gene; seq.var. = ?

DNA(specification)—**MYCN gene;****sequence variation**

name of component: v-myc myelocytomatosis viral related oncogene, neuroblastoma derived (avian)

[NPU37166](#)

DNA(spec.)—MYCN gene; seq.var. = ?

DNA(specification)—**MYCP gene;****sequence variation**

name of component: v-myc myelocytomatosis viral oncogene homolog pseudogene (avian)

[NPU37167](#)

DNA(spec.)—MYCP gene; seq.var. = ?

DNA(specification)—**MYD88 gene;****sequence variation**

name of component: myeloid differentiation primary response gene (88)

[NPU37168](#)

DNA(spec.)—MYD88 gene; seq.var. = ?

DNA(specification)—**MYEF2 gene;****sequence variation**

name of component: myelin expression factor 2

[NPU46184](#)

DNA(spec.)—MYEF2 gene; seq.var. = ?

DNA(specification)—**MYEOV gene;****sequence variation**

name of component: myeloma overexpressed gene (in a subset of t(11;14) positive multiple myelomas)

[NPU37169](#)

DNA(spec.)—MYEOV gene; seq.var. = ?

DNA(specification)—**MYF5 gene;****sequence variation**

name of component: myogenic factor 5

[NPU37170](#)

DNA(spec.)—MYF5 gene; seq.var. = ?

DNA(specification)—**MYF6 gene;****sequence variation**

name of component: myogenic factor 6 (herculin)

[NPU37171](#)

DNA(spec.)—MYF6 gene; seq.var. = ?

DNA(specification)—**MYH1 gene;****sequence variation**

name of component: myosin, heavy polypeptide 1, skeletal muscle, adult

[NPU37172](#)

DNA(spec.)—MYH1 gene; seq.var. = ?

DNA(specification)—**MYH10 gene;****sequence variation**

name of component: myosin, heavy polypeptide 10, non-muscle

[NPU37173](#)

DNA(spec.)—MYH10 gene; seq.var. = ?

DNA(specification)—**MYH11 gene;****sequence variation**

name of component: myosin, heavy polypeptide 11, smooth muscle

[NPU37174](#)

DNA(spec.)—MYH11 gene; seq.var. = ?

DNA(specification)—**MYH13 gene;****sequence variation**

name of component: myosin, heavy polypeptide 13, skeletal muscle

[NPU37175](#)

DNA(spec.)—MYH13 gene; seq.var. = ?

DNA(specification)—**MYH2 gene;****sequence variation**

name of component: myosin, heavy polypeptide 2, skeletal muscle, adult

[NPU37176](#)

DNA(spec.)—MYH2 gene; seq.var. = ?

DNA(specification)—**MYH3 gene;****sequence variation**

name of component: myosin, heavy polypeptide 3, skeletal muscle, embryonic

[NPU37177](#)

DNA(spec.)—MYH3 gene; seq.var. = ?

DNA(specification)—**MYH4 gene;****sequence variation**

name of component: myosin, heavy polypeptide 4, skeletal muscle

[NPU37178](#)

DNA(spec.)—MYH4 gene; seq.var. = ?

DNA(specification)—**MYH5 gene;****sequence variation**

name of component: myosin, heavy polypeptide 5

[NPU37179](#)

DNA(spec.)—MYH5 gene; seq.var. = ?

DNA(specification)—**MYH6 gene;****sequence variation**

name of component: myosin, heavy polypeptide 6, cardiac muscle, alpha (cardiomyopathy, hypertrophic 1)

[NPU37180](#)

DNA(spec.)—MYH6 gene; seq.var. = ?

DNA(specification)—**MYH7 gene;****sequence variation**

name of component: myosin, heavy polypeptide 7, cardiac muscle, beta

[NPU37181](#)

DNA(spec.)—MYH7 gene; seq.var. = ?

DNA(specification)—**MYH7B gene;****sequence variation**

name of component: myosin, heavy polypeptide 7B, cardiac muscle, beta

[NPU43992](#)

DNA(spec.)—MYH7B gene; seq.var. = ?

DNA(specification)—**MYH8 gene;****sequence variation**

name of component: myosin, heavy polypeptide 8, skeletal muscle, perinatal

[NPU37182](#)

DNA(spec.)—MYH8 gene; seq.var. = ?

DNA(specification)—**MYH9 gene;****sequence variation**

name of component: myosin, heavy polypeptide 9, non-muscle

[NPU37183](#)

DNA(spec.)—MYH9 gene; seq.var. = ?

DNA(specification)—**MYHK gene;****sequence variation**

name of component: myosin, heavy polypeptide kinase

[NPU37184](#)

DNA(spec.)—MYHK gene; seq.var. = ?

DNA(specification)—**MYL1 gene;****sequence variation**

name of component: myosin, light polypeptide 1, alkali; skeletal, fast

[NPU37185](#)

DNA(spec.)—MYL1 gene; seq.var. = ?

DNA(specification)—**MYL2 gene;****sequence variation**

name of component: myosin, light polypeptide 2, regulatory, cardiac, slow

[NPU37186](#)

DNA(spec.)—MYL2 gene; seq.var. = ?

DNA(specification)—**MYL3 gene;****sequence variation**

name of component: myosin, light polypeptide 3, alkali; ventricular, skeletal, slow

[NPU37187](#)

DNA(spec.)—MYL3 gene; seq.var. = ?

DNA(specification)—**MYL4 gene;****sequence variation**

name of component: myosin, light polypeptide 4, alkali; atrial, embryonic

[NPU37188](#)

DNA(spec.)—MYL4 gene; seq.var. = ?

DNA(specification)—**MYL5 gene;****sequence variation**

name of component: myosin, light polypeptide 5, regulatory

[NPU37189](#)

DNA(spec.)—MYL5 gene; seq.var. = ?

DNA(specification)—**MYL6 gene;****sequence variation**

name of component: myosin, light polypeptide 6, alkali, smooth muscle and non-muscle

[NPU37190](#)

DNA(spec.)—MYL6 gene; seq.var. = ?

DNA(specification)—**MYL6P gene;****sequence variation**

name of component: myosin, light polypeptide 6, pseudogene

[NPU37191](#)

DNA(spec.)—MYL6P gene; seq.var. = ?

DNA(specification)—**MYL8P gene;****sequence variation**

name of component: myosin, light polypeptide 8, pseudogene

[NPU37192](#)

DNA(spec.)—MYL8P gene; seq.var. = ?

DNA(specification)—**MYL9 gene;****sequence variation**

name of component: myosin, light polypeptide 9, regulatory

[NPU43872](#)

DNA(spec.)—MYL9 gene; seq.var. = ?

DNA(specification)—**MYLK gene;****sequence variation**

name of component: myosin, light polypeptide kinase

[NPU37193](#)

DNA(spec.)—MYLK gene; seq.var. = ?

DNA(specification)—**MYLK2 gene;****sequence variation**

name of component: myosin light chain kinase 2, skeletal muscle

[NPU44283](#)

DNA(spec.)—MYLK2 gene; seq.var. = ?

DNA(specification)—**MYLKP gene;****sequence variation**

name of component: myosin, light polypeptide kinase pseudogene

[NPU37194](#)

DNA(spec.)—MYLKP gene; seq.var. = ?

DNA(specification)—**MYLL1 gene;****sequence variation**

name of component: myosin, light polypeptide, cardiac muscle-like 1

[NPU37195](#)

DNA(spec.)—MYLL1 gene; seq.var. = ?

DNA(specification)—
MYMY1 gene;
sequence variation
name of component: Moyamoya disease 1
[NPU44408](#)
DNA(spec.)—MYMY1 gene; seq.var. = ?

DNA(specification)—
MYMY2 gene;
sequence variation
name of component: Moyamoya disease 2
[NPU47851](#)
DNA(spec.)—MYMY2 gene; seq.var. = ?

DNA(specification)—
MYNN gene;
sequence variation
name of component: myoneurin
[NPU43197](#)
DNA(spec.)—MYNN gene; seq.var. = ?

DNA(specification)—
MYO10 gene;
sequence variation
name of component: myosin X
[NPU37196](#)
DNA(spec.)—MYO10 gene; seq.var. = ?

DNA(specification)—
MYO15A gene;
sequence variation
name of component: myosin XVA
[NPU37197](#)
DNA(spec.)—MYO15A gene; seq.var. = ?

DNA(specification)—
MYO15B gene;
sequence variation
name of component: myosin XVB, pseudogene
[NPU42500](#)
DNA(spec.)—MYO15B gene; seq.var. = ?

DNA(specification)—
MYO18B gene;
sequence variation
name of component: myosin XVIIIIB
[NPU46326](#)
DNA(spec.)—MYO18B gene; seq.var. = ?

DNA(specification)—
MYO1A gene;
sequence variation
name of component: myosin IA
[NPU37198](#)
DNA(spec.)—MYO1A gene; seq.var. = ?

DNA(specification)—
MYO1B gene;
sequence variation
name of component: myosin IB
[NPU37199](#)
DNA(spec.)—MYO1B gene; seq.var. = ?

DNA(specification)—
MYO1C gene;
sequence variation
name of component: myosin IC
[NPU37200](#)
DNA(spec.)—MYO1C gene; seq.var. = ?

DNA(specification)—
MYO1D gene;
sequence variation
name of component: myosin ID
[NPU37201](#)
DNA(spec.)—MYO1D gene; seq.var. = ?

DNA(specification)—
MYO1E gene;
sequence variation
name of component: myosin IE
[NPU37202](#)
DNA(spec.)—MYO1E gene; seq.var. = ?

DNA(specification)—
MYO1F gene;
sequence variation
name of component: myosin IF
[NPU37203](#)
DNA(spec.)—MYO1F gene; seq.var. = ?

DNA(specification)—
MYO1G gene;
sequence variation
name of component: myosin IG
[NPU42372](#)
DNA(spec.)—MYO1G gene; seq.var. = ?

DNA(specification)—
MYO1H gene;
sequence variation
name of component: myosin IH
[NPU42371](#)
DNA(spec.)—MYO1H gene; seq.var. = ?

DNA(specification)—
MYO3A gene;
sequence variation
name of component: myosin IIIA
[NPU37204](#)
DNA(spec.)—MYO3A gene; seq.var. = ?

DNA(specification)—**MYO3B gene;****sequence variation**

name of component: myosin IIIB

[NPU43753](#)

DNA(spec.)—MYO3B gene; seq.var. = ?

DNA(specification)—**MYO5A gene;****sequence variation**

name of component: myosin VA (heavy polypeptide 12, myoxin)

[NPU37205](#)

DNA(spec.)—MYO5A gene; seq.var. = ?

DNA(specification)—**MYO5B gene;****sequence variation**

name of component: myosin VB

[NPU37206](#)

DNA(spec.)—MYO5B gene; seq.var. = ?

DNA(specification)—**MYO5C gene;****sequence variation**

name of component: myosin 5C

[NPU37207](#)

DNA(spec.)—MYO5C gene; seq.var. = ?

DNA(specification)—**MYO6 gene;****sequence variation**

name of component: myosin VI

[NPU37208](#)

DNA(spec.)—MYO6 gene; seq.var. = ?

DNA(specification)—**MYO7A gene;****sequence variation**

name of component: myosin VIIA (Usher syndrome 1B (autosomal recessive, severe))

[NPU37209](#)

DNA(spec.)—MYO7A gene; seq.var. = ?

DNA(specification)—**MYO7B gene;****sequence variation**

name of component: myosin VIIIB

[NPU37210](#)

DNA(spec.)—MYO7B gene; seq.var. = ?

DNA(specification)—**MYO9A gene;****sequence variation**

name of component: myosin IXA

[NPU37211](#)

DNA(spec.)—MYO9A gene; seq.var. = ?

DNA(specification)—**MYO9B gene;****sequence variation**

name of component: myosin IXB

[NPU37212](#)

DNA(spec.)—MYO9B gene; seq.var. = ?

DNA(specification)—**MYOC gene;****sequence variation**

name of component: myocilin, trabecular meshwork inducible glucocorticoid response

[NPU37213](#)

DNA(spec.)—MYOC gene; seq.var. = ?

DNA(specification)—**MYOD1 gene;****sequence variation**

name of component: myogenic factor 3

[NPU37214](#)

DNA(spec.)—MYOD1 gene; seq.var. = ?

DNA(specification)—**MYOG gene;****sequence variation**

name of component: myogenin (myogenic factor 4)

[NPU37215](#)

DNA(spec.)—MYOG gene; seq.var. = ?

DNA(specification)—**MYOM1 gene;****sequence variation**

name of component: myomesin 1 (skelemin) 185 kDa

[NPU37216](#)

DNA(spec.)—MYOM1 gene; seq.var. = ?

DNA(specification)—**MYOM2 gene;****sequence variation**

name of component: myomesin (M-protein) 2, 165 kDa

[NPU37217](#)

DNA(spec.)—MYOM2 gene; seq.var. = ?

DNA(specification)—**MYOZ1 gene;****sequence variation**

name of component: myozenin 1

[NPU42310](#)

DNA(spec.)—MYOZ1 gene; seq.var. = ?

DNA(specification)—**MYOZ2 gene;****sequence variation**

name of component: myozenin 2

[NPU31084](#)

DNA(spec.)—MYOZ2 gene; seq.var. = ?

DNA(specification)—**MYOZ3 gene;****sequence variation**

name of component: myozenin 3

[NPU46534](#)

DNA(spec.)—MYOZ3 gene; seq.var. = ?

DNA(specification)—**MYPI gene;****sequence variation**

name of component: myopia 1 (X-linked, Bornholm eye disease included)

[NPU37218](#)

DNA(spec.)—MYP1 gene; seq.var. = ?

DNA(specification)—**MYP2 gene;****sequence variation**

name of component: myopia 2 (high grade, autosomal dominant)

[NPU37219](#)

DNA(spec.)—MYP2 gene; seq.var. = ?

DNA(specification)—**MYP3 gene;****sequence variation**

name of component: myopia 3 (high grade, autosomal dominant)

[NPU37220](#)

DNA(spec.)—MYP3 gene; seq.var. = ?

DNA(specification)—**MYRIP gene;****sequence variation**

name of component: myosin VIIA and Rab interacting protein

[NPU46886](#)

DNA(spec.)—MYRIP gene; seq.var. = ?

DNA(specification)—**MYSA gene;****sequence variation**

name of component: myasthenic (Lambert-Eaton) syndrome antigen A

[NPU37223](#)

DNA(spec.)—MYSA gene; seq.var. = ?

DNA(specification)—**MYST1 gene;****sequence variation**

name of component: MYST histone acetyltransferase 1

[NPU46181](#)

DNA(spec.)—MYST1 gene; seq.var. = ?

DNA(specification)—**MYT1 gene;****sequence variation**

name of component: myelin transcription factor 1

[NPU37224](#)

DNA(spec.)—MYT1 gene; seq.var. = ?

DNA(specification)—**MYT1L gene;****sequence variation**

name of component: myelin transcription factor 1-like

[NPU37225](#)

DNA(spec.)—MYT1L gene; seq.var. = ?

DNA(specification)—**MYT2 gene;****sequence variation**

name of component: myelin transcription factor 2

[NPU37226](#)

DNA(spec.)—MYT2 gene; seq.var. = ?

DNA(specification)—**MAA gene;****sequence variation**

name of component: microphthalmia or anophthalmia and associated anomalies

[NPU36551](#)

DNA(spec.)—MAA gene; seq.var. = ?

DNA(specification)—**NA gene;****sequence variation**

name of component: neurocanthocytosis

[NPU37227](#)

DNA(spec.)—NA gene; seq.var. = ?

DNA(specification)—**NAB1 gene;****sequence variation**

name of component: NGFI-A binding protein 1 (EGR1 binding protein 1)

[NPU37228](#)

DNA(spec.)—NAB1 gene; seq.var. = ?

DNA(specification)—**NAB2 gene;****sequence variation**

name of component: NGFI-A binding protein 2 (EGR1 binding protein 2)

[NPU37229](#)

DNA(spec.)—NAB2 gene; seq.var. = ?

DNA(specification)—**NACA gene;****sequence variation**

name of component: nascent-polypeptide-associated complex alpha polypeptide

[NPU37230](#)

DNA(spec.)—NACA gene; seq.var. = ?

DNA(specification)—**NACB gene;****sequence variation**

name of component: nascent-polypeptide-associated complex beta polypeptide

[NPU37231](#)

DNA(spec.)—NACB gene; seq.var. = ?

DNA(specification)—**NAGA gene;****sequence variation**

name of component: N-acetylgalactosaminidase, alpha-

[NPU19152](#)

DNA(spec.)—NAGA gene; seq.var. = ?

DNA(specification)—**NAGK gene;****sequence variation**

name of component: N-acetylglucosamine kinase

[NPU44896](#)

DNA(spec.)—NAGK gene; seq.var. = ?

DNA(specification)—**NAGLU gene;****sequence variation**

name of component: N-acetylglucosaminidase, alpha- (Sanfilippo disease IIIB)

[NPU19153](#)

DNA(spec.)—NAGLU gene; seq.var. = ?

DNA(specification)—**NAGPA gene;****sequence variation**

name of component: N-acetylglucosamine-1-phosphodiester alpha-N-acetylglucosaminidase

[NPU46014](#)

DNA(spec.)—NAGPA gene; seq.var. = ?

DNA(specification)—**NAMSD gene;****sequence variation**

name of component: neuropathy, axonal, motor-sensory with deafness and mental retardation (Cowchock syndrome)

[NPU37232](#)

DNA(spec.)—NAMSD gene; seq.var. = ?

DNA(specification)—**NANS gene;****sequence variation**

name of component: N-acetylneuraminic acid synthase (sialic acid synthase)

[NPU46926](#)

DNA(spec.)—NANS gene; seq.var. = ?

DNA(specification)—**NAP1L1 gene;****sequence variation**

name of component: nucleosome assembly protein 1-like 1

[NPU37233](#)

DNA(spec.)—NAP1L1 gene; seq.var. = ?

DNA(specification)—**NAP1L2 gene;****sequence variation**

name of component: nucleosome assembly protein 1-like 2

[NPU37234](#)

DNA(spec.)—NAP1L2 gene; seq.var. = ?

DNA(specification)—**NAP1L3 gene;****sequence variation**

name of component: nucleosome assembly protein 1-like 3

[NPU37235](#)

DNA(spec.)—NAP1L3 gene; seq.var. = ?

DNA(specification)—**NAP1L4 gene;****sequence variation**

name of component: nucleosome assembly protein 1-like 4

[NPU37236](#)

DNA(spec.)—NAP1L4 gene; seq.var. = ?

DNA(specification)—**NAPA gene;****sequence variation**

name of component: N-ethylmaleimide-sensitive factor attachment protein, alpha

[NPU37237](#)

DNA(spec.)—NAPA gene; seq.var. = ?

DNA(specification)—**NAPB gene;****sequence variation**

name of component: N-ethylmaleimide-sensitive factor attachment protein, beta

[NPU43871](#)

DNA(spec.)—NAPB gene; seq.var. = ?

DNA(specification)—**NAPG gene;****sequence variation**

name of component: N-ethylmaleimide-sensitive factor attachment protein, gamma

[NPU37238](#)

DNA(spec.)—NAPG gene; seq.var. = ?

DNA(specification)—**NARFL gene;****sequence variation**

name of component: nuclear prelamin A recognition factor-like

[NPU42571](#)

DNA(spec.)—NARFL gene; seq.var. = ?

DNA(specification)—**NARS gene;****sequence variation**

name of component: asparaginyl-tRNA synthetase

[NPU37239](#)

DNA(spec.)—NARS gene; seq.var. = ?

DNA(specification)—**NARSP gene;****sequence variation**

name of component: asparaginyl-tRNA synthetase pseudogene

[NPU47324](#)

DNA(spec.)—NARSP gene; seq.var. = ?

DNA(specification)—**NASP gene;****sequence variation**

name of component: nuclear autoantigenic sperm protein (histone-binding)

[NPU37240](#)

DNA(spec.)—NASP gene; seq.var. = ?

DNA(specification)—**NAT1 gene;****sequence variation**

name of component: N-acetyltransferase 1 (arylamine N-acetyltransferase)

[NPU37241](#)

DNA(spec.)—NAT1 gene; seq.var. = ?

DNA(specification)—**NAT2 gene;****sequence variation**

name of component: N-acetyltransferase 2 (arylamine N-acetyltransferase)

[NPU37242](#)

DNA(spec.)—NAT2 gene; seq.var. = ?

DNA(specification)—**NAT5 gene;****sequence variation**

name of component: N-acetyltransferase 5 (ARD1 homolog, *S. cerevisiae*)

[NPU43993](#)

DNA(spec.)—NAT5 gene; seq.var. = ?

DNA(specification)—**NAT8 gene;****sequence variation**

name of component: N-acetyltransferase 8 (camello like)

[NPU46264](#)

DNA(spec.)—NAT8 gene; seq.var. = ?

DNA(specification)—**NAV1 gene;****sequence variation**

name of component: neuron navigator 1

[NPU44063](#)

DNA(spec.)—NAV1 gene; seq.var. = ?

DNA(specification)—**NAV2 gene;****sequence variation**

name of component: neuron navigator 2

[NPU44070](#)

DNA(spec.)—NAV2 gene; seq.var. = ?

DNA(specification)—**NAV3 gene;****sequence variation**

name of component: neuron navigator 3

[NPU44071](#)

DNA(spec.)—NAV3 gene; seq.var. = ?

DNA(specification)—**NBEA gene;****sequence variation**

name of component: neurobeachin

[NPU37243](#)

DNA(spec.)—NBEA gene; seq.var. = ?

DNA(specification)—**NBL1 gene;****sequence variation**

name of component: neuroblastoma, suppression of tumorigenicity 1

[NPU37244](#)

DNA(spec.)—NBL1 gene; seq.var. = ?

DNA(specification)—**NBR2 gene;****sequence variation**

name of component: neighbor of BRCA1 gene 2

[NPU47719](#)

DNA(spec.)—NBR2 gene; seq.var. = ?

DNA(specification)—**NBS1 gene;****sequence variation**

name of component: Nijmegen breakage syndrome 1 (nibrin)

[NPU37245](#)

DNA(spec.)—NBS1 gene; seq.var. = ?

DNA(specification)—**NCALD gene;****sequence variation**

name of component: neurocalcin delta

[NPU37246](#)

DNA(spec.)—NCALD gene; seq.var. = ?

DNA(specification)—**NCAM1 gene;****sequence variation**

name of component: neural cell adhesion molecule 1

[NPU37247](#)

DNA(spec.)—NCAM1 gene; seq.var. = ?

DNA(specification)—**NCAM2 gene;****sequence variation**

name of component: neural cell adhesion molecule 2

[NPU37248](#)

DNA(spec.)—NCAM2 gene; seq.var. = ?

DNA(specification)—**NCBP1 gene;****sequence variation**

name of component: nuclear cap binding protein subunit 1, 80 kDa

[NPU37249](#)

DNA(spec.)—NCBP1 gene; seq.var. = ?

DNA(specification)—**NCBP2 gene;****sequence variation**

name of component: nuclear cap binding protein subunit 2, 20 kDa

[NPU37250](#)

DNA(spec.)—NCBP2 gene; seq.var. = ?

DNA(specification)—**NCF1 gene;****sequence variation**

name of component: neutrophil cytosolic factor 1 (47 kDa, chronic granulomatous disease, auto-somal 1)

[NPU37251](#)

DNA(spec.)—NCF1 gene; seq.var. = ?

DNA(specification)—**NCF2 gene;****sequence variation**

name of component: neutrophil cytosolic factor 2 (65 kDa, chronic granulomatous disease, auto-somal 2)

[NPU37252](#)

DNA(spec.)—NCF2 gene; seq.var. = ?

DNA(specification)—**NCF4 gene;****sequence variation**

name of component: neutrophil cytosolic factor 4, 40 kDa

[NPU37253](#)

DNA(spec.)—NCF4 gene; seq.var. = ?

DNA(specification)—**NCK1 gene;****sequence variation**

name of component: NCK adaptor protein 1

[NPU37254](#)

DNA(spec.)—NCK1 gene; seq.var. = ?

DNA(specification)—**NCK2 gene;****sequence variation**

name of component: NCK adaptor protein 2

[NPU37255](#)

DNA(spec.)—NCK2 gene; seq.var. = ?

DNA(specification)—**NCKAP1 gene;****sequence variation**

name of component: NCK-associated protein 1

[NPU37256](#)

DNA(spec.)—NCKAP1 gene; seq.var. = ?

DNA(specification)—**NCL gene;****sequence variation**

name of component: nucleolin

[NPU37257](#)

DNA(spec.)—NCL gene; seq.var. = ?

DNA(specification)—**NCOA1 gene;****sequence variation**

name of component: nuclear receptor coactivator 1

[NPU37258](#)

DNA(spec.)—NCOA1 gene; seq.var. = ?

DNA(specification)—**NCOA2 gene;****sequence variation**

name of component: nuclear receptor coactivator 2

[NPU37259](#)

DNA(spec.)—NCOA2 gene; seq.var. = ?

DNA(specification)—**NCOA3 gene;****sequence variation**

name of component: nuclear receptor coactivator 3

[NPU37260](#)

DNA(spec.)—NCOA3 gene; seq.var. = ?

DNA(specification)—**NCOA4 gene;****sequence variation**

name of component: nuclear receptor coactivator 4

[NPU37261](#)

DNA(spec.)—NCOA4 gene; seq.var. = ?

DNA(specification)—**NCOA4P gene;****sequence variation**name of component: nuclear receptor coactivator 4
pseudogene[NPU47366](#)

DNA(spec.)—NCOA4P gene; seq.var. = ?

DNA(specification)—**NCOA5 gene;****sequence variation**

name of component: nuclear receptor coactivator 5

[NPU43994](#)

DNA(spec.)—NCOA5 gene; seq.var. = ?

DNA(specification)—**NCOA6 gene;****sequence variation**

name of component: nuclear receptor coactivator 6

[NPU44016](#)

DNA(spec.)—NCOA6 gene; seq.var. = ?

DNA(specification)—**NCOA6IP gene;****sequence variation**name of component: nuclear receptor coactivator 6
interacting protein[NPU46140](#)

DNA(spec.)—NCOA6IP gene; seq.var. = ?

DNA(specification)—**NCOR1 gene;****sequence variation**name of component: nuclear receptor co-repressor
1[NPU37262](#)

DNA(spec.)—NCOR1 gene; seq.var. = ?

DNA(specification)—**NCOR2 gene;****sequence variation**name of component: nuclear receptor co-repressor
2[NPU37263](#)

DNA(spec.)—NCOR2 gene; seq.var. = ?

DNA(specification)—**NCR1 gene;****sequence variation**name of component: natural cytotoxicity triggering
receptor 1[NPU36536](#)

DNA(spec.)—NCR1 gene; seq.var. = ?

DNA(specification)—**NCR2 gene;****sequence variation**name of component: natural cytotoxicity triggering
receptor 2[NPU36537](#)

DNA(spec.)—NCR2 gene; seq.var. = ?

DNA(specification)—**NCR3 gene;****sequence variation**name of component: natural cytotoxicity triggering
receptor 3[NPU46845](#)

DNA(spec.)—NCR3 gene; seq.var. = ?

DNA(specification)—**NDE1 gene;****sequence variation**name of component: nudE nuclear distribution
gene E homolog 1 (A. nidulans)[NPU46060](#)

DNA(spec.)—NDE1 gene; seq.var. = ?

DNA(specification)—**NDEL1 gene;****sequence variation**name of component: nudE nuclear distribution
gene E homolog like 1 (A. nidulans)[NPU46061](#)

DNA(spec.)—NDEL1 gene; seq.var. = ?

DNA(specification)—**NDFIP1 gene;****sequence variation**name of component: Nedd4 family interacting pro-
tein 1[NPU46056](#)

DNA(spec.)—NDFIP1 gene; seq.var. = ?

DNA(specification)—**NDFIP2 gene;****sequence variation**name of component: Nedd4 family interacting pro-
tein 2[NPU46517](#)

DNA(spec.)—NDFIP2 gene; seq.var. = ?

DNA(specification)—**NDN gene;****sequence variation**

name of component: necdin homolog (mouse)

[NPU19155](#)

DNA(spec.)—NDN gene; seq.var. = ?

DNA(specification)—**NDNL2 gene;****sequence variation**

name of component: necdin-like 2

[NPU37264](#)

DNA(spec.)—NDNL2 gene; seq.var. = ?

DNA(specification)—**NDP gene;****sequence variation**

name of component: Norrie disease (pseudoglioma)

[NPU37265](#)

DNA(spec.)—NDP gene; seq.var. = ?

DNA(specification)—**NDRG1 gene;****sequence variation**

name of component: N-myc downstream regulated gene 1

[NPU19156](#)

DNA(spec.)—NDRG1 gene; seq.var. = ?

DNA(specification)—**NDRG2 gene;****sequence variation**

name of component: NDRG family member 2

[NPU42774](#)

DNA(spec.)—NDRG2 gene; seq.var. = ?

DNA(specification)—**NDRG3 gene;****sequence variation**

name of component: NDRG family member 3

[NPU42776](#)

DNA(spec.)—NDRG3 gene; seq.var. = ?

DNA(specification)—**NDRG4 gene;****sequence variation**

name of component: NDRG family member 4

[NPU42780](#)

DNA(spec.)—NDRG4 gene; seq.var. = ?

DNA(specification)—**NDST1 gene;****sequence variation**

name of component: N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 1

[NPU37266](#)

DNA(spec.)—NDST1 gene; seq.var. = ?

DNA(specification)—**NDST2 gene;****sequence variation**

name of component: N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 2

[NPU37267](#)

DNA(spec.)—NDST2 gene; seq.var. = ?

DNA(specification)—**NDST3 gene;****sequence variation**

name of component: N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 3

[NPU37268](#)

DNA(spec.)—NDST3 gene; seq.var. = ?

DNA(specification)—**NDUFA1 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1, 7.5 kDa

[NPU37269](#)

DNA(spec.)—NDUFA1 gene; seq.var. = ?

DNA(specification)—**NDUFA10 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 10, 42 kDa

[NPU37270](#)

DNA(spec.)—NDUFA10 gene; seq.var. = ?

DNA(specification)—**NDUFA2 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 2, 8 kDa

[NPU37271](#)

DNA(spec.)—NDUFA2 gene; seq.var. = ?

DNA(specification)—**NDUFA3 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 3, 9 kDa

[NPU37272](#)

DNA(spec.)—NDUFA3 gene; seq.var. = ?

DNA(specification)—**NDUFA4 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4, 9 kDa

[NPU37273](#)

DNA(spec.)—NDUFA4 gene; seq.var. = ?

DNA(specification)—**NDUFA5 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5, 13 kDa

[NPU37274](#)

DNA(spec.)—NDUFA5 gene; seq.var. = ?

DNA(specification)—**NDUFA5P1 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5, pseudogene 1

[NPU37275](#)

DNA(spec.)—NDUFA5P1 gene; seq.var. = ?

DNA(specification)—**NDUFA6 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 6, 14 kDa

[NPU37276](#)

DNA(spec.)—NDUFA6 gene; seq.var. = ?

DNA(specification)—**NDUFA7 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 7, 14.5 kDa

[NPU37277](#)

DNA(spec.)—NDUFA7 gene; seq.var. = ?

DNA(specification)—**NDUFA8 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 8, 19 kDa

[NPU37278](#)

DNA(spec.)—NDUFA8 gene; seq.var. = ?

DNA(specification)—**NDUFA9 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 9, 39 kDa

[NPU37279](#)

DNA(spec.)—NDUFA9 gene; seq.var. = ?

DNA(specification)—**NDUFA9P1 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 9, pseudogene 1

[NPU46937](#)

DNA(spec.)—NDUFA9P1 gene; seq.var. = ?

DNA(specification)—**NDUFAB1 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) 1, alpha/beta subcomplex, 1, 8 kDa

[NPU37280](#)

DNA(spec.)—NDUFAB1 gene; seq.var. = ?

DNA(specification)—**NDUFB1 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 1, 7 kDa

[NPU37281](#)

DNA(spec.)—NDUFB1 gene; seq.var. = ?

DNA(specification)—**NDUFB10 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 10, 22 kDa

[NPU37282](#)

DNA(spec.)—NDUFB10 gene; seq.var. = ?

DNA(specification)—**NDUFB2 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 2, 8 kDa

[NPU37283](#)

DNA(spec.)—NDUFB2 gene; seq.var. = ?

DNA(specification)—**NDUFB3 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 3, 12 kDa

[NPU37284](#)

DNA(spec.)—NDUFB3 gene; seq.var. = ?

DNA(specification)—**NDUFB3P1 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 3, 12 kDa pseudogene 1

[NPU42264](#)

DNA(spec.)—NDUFB3P1 gene; seq.var. = ?

DNA(specification)—**NDUFB3P2 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 3, 12 kDa pseudogene 2

[NPU42265](#)

DNA(spec.)—NDUFB3P2 gene; seq.var. = ?

DNA(specification)—**NDUFB3P3 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 3, 12 kDa pseudogene 3

[NPU42266](#)

DNA(spec.)—NDUFB3P3 gene; seq.var. = ?

DNA(specification)—**NDUFB3P4 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 3, 12 kDa pseudogene 4

[NPU42267](#)

DNA(spec.)—NDUFB3P4 gene; seq.var. = ?

DNA(specification)—**NDUFB3P5 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 3, 12 kDa pseudogene 5

[NPU42268](#)

DNA(spec.)—NDUFB3P5 gene; seq.var. = ?

DNA(specification)—**NDUFB4 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 4, 15 kDa

[NPU37285](#)

DNA(spec.)—NDUFB4 gene; seq.var. = ?

DNA(specification)—**NDUFB5 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5, 16 kDa

[NPU37286](#)

DNA(spec.)—NDUFB5 gene; seq.var. = ?

DNA(specification)—**NDUFB6 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 6, 17 kDa

[NPU37287](#)

DNA(spec.)—NDUFB6 gene; seq.var. = ?

DNA(specification)—**NDUFB7 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 7, 18 kDa

[NPU37288](#)

DNA(spec.)—NDUFB7 gene; seq.var. = ?

DNA(specification)—**NDUFB8 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 8, 19 kDa

[NPU37289](#)

DNA(spec.)—NDUFB8 gene; seq.var. = ?

DNA(specification)—**NDUFB8P1 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 8, pseudogene 1

[NPU47367](#)

DNA(spec.)—NDUFB8P1 gene; seq.var. = ?

DNA(specification)—**NDUFB9 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 9, 22 kDa

[NPU37290](#)

DNA(spec.)—NDUFB9 gene; seq.var. = ?

DNA(specification)—**NDUFC1 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 1, 6 kDa

[NPU37291](#)

DNA(spec.)—NDUFC1 gene; seq.var. = ?

DNA(specification)—**NDUFC2 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 2, 14.5 kDa

[NPU37292](#)

DNA(spec.)—NDUFC2 gene; seq.var. = ?

DNA(specification)—**NDUFS1 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) Fe-S protein 1, 75 kDa (NADH-coenzyme Q reductase)

[NPU37293](#)

DNA(spec.)—NDUFS1 gene; seq.var. = ?

DNA(specification)—**NDUFS2 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) Fe-S protein 2, 49 kDa (NADH-coenzyme Q reductase)

[NPU37294](#)

DNA(spec.)—NDUFS2 gene; seq.var. = ?

DNA(specification)—**NDUFS3 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) Fe-S protein 3, 30 kDa (NADH-coenzyme Q reductase)

[NPU37295](#)

DNA(spec.)—NDUFS3 gene; seq.var. = ?

DNA(specification)—**NDUFS4 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) Fe-S protein 4, 18 kDa (NADH-coenzyme Q reductase)

[NPU37296](#)

DNA(spec.)—NDUFS4 gene; seq.var. = ?

DNA(specification)—**NDUFS5 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) Fe-S protein 5, 15 kDa (NADH-coenzyme Q reductase)

[NPU37297](#)

DNA(spec.)—NDUFS5 gene; seq.var. = ?

DNA(specification)—**NDUFS6 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) Fe-S protein 6, 13 kDa (NADH-coenzyme Q reductase)

[NPU37298](#)

DNA(spec.)—NDUFS6 gene; seq.var. = ?

DNA(specification)—**NDUFS7 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) Fe-S protein 7, 20 kDa (NADH-coenzyme Q reductase)

[NPU37299](#)

DNA(spec.)—NDUFS7 gene; seq.var. = ?

DNA(specification)—**NDUFS8 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) Fe-S protein 8, 23 kDa (NADH-coenzyme Q reductase)

[NPU37300](#)

DNA(spec.)—NDUFS8 gene; seq.var. = ?

DNA(specification)—**NDUFV1 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) flavoprotein 1, 51 kDa

[NPU37301](#)

DNA(spec.)—NDUFV1 gene; seq.var. = ?

DNA(specification)—**NDUFV2 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) flavoprotein 2, 24 kDa

[NPU37302](#)

DNA(spec.)—NDUFV2 gene; seq.var. = ?

DNA(specification)—**NDUFV2P1 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) flavoprotein 2 pseudogene 1

[NPU37303](#)

DNA(spec.)—NDUFV2P1 gene; seq.var. = ?

DNA(specification)—**NDUFV3 gene;****sequence variation**

name of component: NADH dehydrogenase (ubiquinone) flavoprotein 3, 10 kDa

[NPU37304](#)

DNA(spec.)—NDUFV3 gene; seq.var. = ?

DNA(specification)—**NEB gene;****sequence variation**

name of component: nebulin

[NPU37305](#)

DNA(spec.)—NEB gene; seq.var. = ?

DNA(specification)—**NEDD1 gene;****sequence variation**

name of component: neural precursor cell expressed, developmentally down-regulated 1

[NPU37306](#)

DNA(spec.)—NEDD1 gene; seq.var. = ?

DNA(specification)—**NEDD10 gene;****sequence variation**

name of component: neural precursor cell expressed, developmentally down-regulated 10

[NPU37307](#)

DNA(spec.)—NEDD10 gene; seq.var. = ?

DNA(specification)—**NEDD4 gene;****sequence variation**

name of component: neural precursor cell expressed, developmentally down-regulated 4

[NPU37308](#)

DNA(spec.)—NEDD4 gene; seq.var. = ?

DNA(specification)—**NEDD4L gene;****sequence variation**

name of component: neural precursor cell expressed, developmentally down-regulated 4-like

[NPU37309](#)

DNA(spec.)—NEDD4L gene; seq.var. = ?

DNA(specification)—**NEDD5 gene;****sequence variation**

name of component: neural precursor cell expressed, developmentally down-regulated 5

[NPU37310](#)

DNA(spec.)—NEDD5 gene; seq.var. = ?

DNA(specification)—**NEDD7 gene;****sequence variation**

name of component: neural precursor cell expressed, developmentally down-regulated 7

[NPU37311](#)

DNA(spec.)—NEDD7 gene; seq.var. = ?

DNA(specification)—**NEDD8 gene;****sequence variation**

name of component: neural precursor cell expressed, developmentally down-regulated 8

[NPU37312](#)

DNA(spec.)—NEDD8 gene; seq.var. = ?

DNA(specification)—**NEDD9 gene;****sequence variation**

name of component: neural precursor cell expressed, developmentally down-regulated 9

[NPU37313](#)

DNA(spec.)—NEDD9 gene; seq.var. = ?

DNA(specification)—**NEF3 gene;****sequence variation**

name of component: neurofilament 3 (150 kDa medium)

[NPU37314](#)

DNA(spec.)—NEF3 gene; seq.var. = ?

DNA(specification)—**NEFH gene;****sequence variation**

name of component: neurofilament, heavy polypeptide 200 kDa

[NPU37315](#)

DNA(spec.)—NEFH gene; seq.var. = ?

DNA(specification)—**NEFHL gene;****sequence variation**

name of component: neurofilament, heavy polypeptide-like

[NPU37316](#)

DNA(spec.)—NEFHL gene; seq.var. = ?

DNA(specification)—**NEFL gene;****sequence variation**

name of component: neurofilament, light polypeptide 68 kDa

[NPU37317](#)

DNA(spec.)—NEFL gene; seq.var. = ?

DNA(specification)—**NEFL1 gene;****sequence variation**

name of component: neurofilament, light polypeptide-like 1

[NPU37318](#)

DNA(spec.)—NEFL1 gene; seq.var. = ?

DNA(specification)—**NEFL2 gene;****sequence variation**

name of component: neurofilament, light polypeptide-like 2

[NPU37319](#)

DNA(spec.)—NEFL2 gene; seq.var. = ?

DNA(specification)—**NEIL1 gene;****sequence variation**

name of component: nei endonuclease VIII-like 1 (E. coli)

[NPU46467](#)

DNA(spec.)—NEIL1 gene; seq.var. = ?

DNA(specification)—**NEIL2 gene;****sequence variation**

name of component: nei like 2 (E. coli)

[NPU46798](#)

DNA(spec.)—NEIL2 gene; seq.var. = ?

DNA(specification)—**NEK1 gene;****sequence variation**

name of component: NIMA (never in mitosis gene a)-related kinase 1

[NPU37320](#)

DNA(spec.)—NEK1 gene; seq.var. = ?

DNA(specification)—**NEK10 gene;****sequence variation**

name of component: NIMA (never in mitosis gene a)-related kinase 10

[NPU46560](#)

DNA(spec.)—NEK10 gene; seq.var. = ?

DNA(specification)—**NEK11 gene;****sequence variation**

name of component: NIMA (never in mitosis gene a)-related kinase 11

[NPU46561](#)

DNA(spec.)—NEK11 gene; seq.var. = ?

DNA(specification)—**NEK2 gene;****sequence variation**

name of component: NIMA (never in mitosis gene a)-related kinase 2

[NPU37321](#)

DNA(spec.)—NEK2 gene; seq.var. = ?

DNA(specification)—**NEK2P gene;****sequence variation**

name of component: NEK2 pseudogene

[NPU46951](#)

DNA(spec.)—NEK2P gene; seq.var. = ?

DNA(specification)—**NEK3 gene;****sequence variation**

name of component: NIMA (never in mitosis gene a)-related kinase 3

[NPU37322](#)

DNA(spec.)—NEK3 gene; seq.var. = ?

DNA(specification)—**NEK4 gene;****sequence variation**

name of component: NIMA (never in mitosis gene a)-related kinase 4

[NPU40465](#)

DNA(spec.)—NEK4 gene; seq.var. = ?

DNA(specification)—**NEK5 gene;****sequence variation**

name of component: NIMA (never in mitosis gene a)-related kinase 5

[NPU37323](#)

DNA(spec.)—NEK5 gene; seq.var. = ?

DNA(specification)—**NEK6 gene;****sequence variation**

name of component: NIMA (never in mitosis gene a)-related kinase 6

[NPU37324](#)

DNA(spec.)—NEK6 gene; seq.var. = ?

DNA(specification)—**NEK7 gene;****sequence variation**

name of component: NIMA (never in mitosis gene a)-related kinase 7

[NPU42110](#)

DNA(spec.)—NEK7 gene; seq.var. = ?

DNA(specification)—**NEK9 gene;****sequence variation**

name of component: NIMA (never in mitosis gene a)-related kinase 9

[NPU46559](#)

DNA(spec.)—NEK9 gene; seq.var. = ?

DNA(specification)—**NELL1 gene;****sequence variation**

name of component: NEL-like 1 (chicken)

[NPU37325](#)

DNA(spec.)—NELL1 gene; seq.var. = ?

DNA(specification)—**NELL2 gene;****sequence variation**

name of component: NEL-like 2 (chicken)

[NPU37326](#)

DNA(spec.)—NELL2 gene; seq.var. = ?

DNA(specification)—**NEM1 gene;****sequence variation**

name of component: nemaline myopathy 1, autosomal dominant

[NPU37327](#)

DNA(spec.)—NEM1 gene; seq.var. = ?

DNA(specification)—**NEO1 gene;****sequence variation**

name of component: neogenin homolog 1 (chicken)

[NPU37328](#)

DNA(spec.)—NEO1 gene; seq.var. = ?

DNA(specification)—**NES gene;****sequence variation**

name of component: nestin

[NPU37329](#)

DNA(spec.)—NES gene; seq.var. = ?

DNA(specification)—**NET1 gene;****sequence variation**

name of component: neuroepithelial cell transforming gene 1

[NPU42884](#)

DNA(spec.)—NET1 gene; seq.var. = ?

DNA(specification)—**NETO1 gene;****sequence variation**

name of component: neuropilin (NRP) and tolloid (TLL)-like 1

[NPU42344](#)

DNA(spec.)—NETO1 gene; seq.var. = ?

DNA(specification)—**NETO2 gene;****sequence variation**

name of component: neuropilin (NRP) and tolloid (TLL)-like 2

[NPU42916](#)

DNA(spec.)—NETO2 gene; seq.var. = ?

DNA(specification)—**NEU1 gene;****sequence variation**

name of component: sialidase 1 (lysosomal sialidase)

[NPU19157](#)

DNA(spec.)—NEU1 gene; seq.var. = ?

DNA(specification)—**NEU2 gene;****sequence variation**

name of component: sialidase 2 (cytosolic sialidase)

[NPU37330](#)

DNA(spec.)—NEU2 gene; seq.var. = ?

DNA(specification)—**NEU3 gene;****sequence variation**

name of component: sialidase 3 (membrane sialidase)

[NPU37331](#)

DNA(spec.)—NEU3 gene; seq.var. = ?

DNA(specification)—**NEURL gene;****sequence variation**

name of component: neuralized-like (Drosophila)

[NPU37332](#)

DNA(spec.)—NEURL gene; seq.var. = ?

DNA(specification)—**NEUROD1 gene;****sequence variation**

name of component: neurogenic differentiation 1

[NPU37333](#)

DNA(spec.)—NEUROD1 gene; seq.var. = ?

DNA(specification)—**NEUROD2 gene;****sequence variation**

name of component: neurogenic differentiation 2

[NPU37334](#)

DNA(spec.)—NEUROD2 gene; seq.var. = ?

DNA(specification)—**NEUROD4 gene;****sequence variation**

name of component: neurogenic differentiation 4

[NPU42328](#)

DNA(spec.)—NEUROD4 gene; seq.var. = ?

DNA(specification)—**NEUROD5 gene;****sequence variation**

name of component: neurogenic differentiation 5

[NPU42329](#)

DNA(spec.)—NEUROD5 gene; seq.var. = ?

DNA(specification)—**NEUROD6 gene;****sequence variation**

name of component: neurogenic differentiation 6

[NPU42330](#)

DNA(spec.)—NEUROD6 gene; seq.var. = ?

DNA(specification)—**NEUROG1 gene;****sequence variation**

name of component: neurogenin 1

[NPU37335](#)

DNA(spec.)—NEUROG1 gene; seq.var. = ?

DNA(specification)—**NEUROG2 gene;****sequence variation**

name of component: neurogenin 2

[NPU42331](#)

DNA(spec.)—NEUROG2 gene; seq.var. = ?

DNA(specification)—**NEUROG3 gene;****sequence variation**

name of component: neurogenin 3

[NPU42332](#)

DNA(spec.)—NEUROG3 gene; seq.var. = ?

DNA(specification)—**NF1 gene;****sequence variation**

name of component: neurofibromin 1 (neurofibromatosis, von Recklinghausen disease, Watson disease)

[NPU19158](#)

DNA(spec.)—NF1 gene; seq.var. = ?

DNA(specification)—
NF1L1 gene;
sequence variation
name of component: neurofibromin 1-like 1
[NPU37336](#)
DNA(spec.)—NF1L1 gene; seq.var. = ?

DNA(specification)—
NF1L2 gene;
sequence variation
name of component: neurofibromin 1-like 2
[NPU37337](#)
DNA(spec.)—NF1L2 gene; seq.var. = ?

DNA(specification)—
NF1L3 gene;
sequence variation
name of component: neurofibromin 1-like 3
[NPU37338](#)
DNA(spec.)—NF1L3 gene; seq.var. = ?

DNA(specification)—
NF1L4 gene;
sequence variation
name of component: neurofibromin 1-like 4
[NPU37339](#)
DNA(spec.)—NF1L4 gene; seq.var. = ?

DNA(specification)—
NF1L5 gene;
sequence variation
name of component: neurofibromin 1-like 5
[NPU37340](#)
DNA(spec.)—NF1L5 gene; seq.var. = ?

DNA(specification)—
NF1L6 gene;
sequence variation
name of component: neurofibromin 1-like 6
[NPU37341](#)
DNA(spec.)—NF1L6 gene; seq.var. = ?

DNA(specification)—
NF1P1 gene;
sequence variation
name of component: neurofibromin 1 pseudogene 1 (Albright osteodystrophy)
[NPU37342](#)
DNA(spec.)—NF1P1 gene; seq.var. = ?

DNA(specification)—
NF2 gene;
sequence variation
name of component: neurofibromin 2 (bilateral acoustic neuroma)
[NPU37343](#)
DNA(spec.)—NF2 gene; seq.var. = ?

DNA(specification)—
NFAT5 gene;
sequence variation
name of component: nuclear factor of activated T-cells 5, tonicity-responsive
[NPU37344](#)
DNA(spec.)—NFAT5 gene; seq.var. = ?

DNA(specification)—
NFATC1 gene;
sequence variation
name of component: nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1
[NPU37345](#)
DNA(spec.)—NFATC1 gene; seq.var. = ?

DNA(specification)—
NFATC2 gene;
sequence variation
name of component: nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2
[NPU37346](#)
DNA(spec.)—NFATC2 gene; seq.var. = ?

DNA(specification)—
NFATC3 gene;
sequence variation
name of component: nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3
[NPU37347](#)
DNA(spec.)—NFATC3 gene; seq.var. = ?

DNA(specification)—
NFATC4 gene;
sequence variation
name of component: nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4
[NPU37348](#)
DNA(spec.)—NFATC4 gene; seq.var. = ?

DNA(specification)—
NFATC5 gene;
sequence variation
name of component: nuclear factor of activated T-cells, cytoplasmic 5
[NPU37349](#)
DNA(spec.)—NFATC5 gene; seq.var. = ?

DNA(specification)—
NFE2 gene;
sequence variation
name of component: nuclear factor (erythroid-derived 2), 45 kDa
[NPU37350](#)
DNA(spec.)—NFE2 gene; seq.var. = ?

DNA(specification)—**NFE2L1 gene;****sequence variation**

name of component: nuclear factor (erythroid-derived 2)-like 1

[NPU37351](#)

DNA(spec.)—NFE2L1 gene; seq.var. = ?

DNA(specification)—**NFE2L2 gene;****sequence variation**

name of component: nuclear factor (erythroid-derived 2)-like 2

[NPU37352](#)

DNA(spec.)—NFE2L2 gene; seq.var. = ?

DNA(specification)—**NFE2L3 gene;****sequence variation**

name of component: nuclear factor (erythroid-derived 2)-like 3

[NPU37353](#)

DNA(spec.)—NFE2L3 gene; seq.var. = ?

DNA(specification)—**NFIA gene;****sequence variation**

name of component: nuclear factor I/A

[NPU37354](#)

DNA(spec.)—NFIA gene; seq.var. = ?

DNA(specification)—**NFIB gene;****sequence variation**

name of component: nuclear factor I/B

[NPU37355](#)

DNA(spec.)—NFIB gene; seq.var. = ?

DNA(specification)—**NFIC gene;****sequence variation**

name of component: nuclear factor I/C (CCAAT-binding transcription factor)

[NPU37356](#)

DNA(spec.)—NFIC gene; seq.var. = ?

DNA(specification)—**NFIL3 gene;****sequence variation**

name of component: nuclear factor, interleukin 3 regulated

[NPU37357](#)

DNA(spec.)—NFIL3 gene; seq.var. = ?

DNA(specification)—**NFIX gene;****sequence variation**

name of component: nuclear factor I/X (CCAAT-binding transcription factor)

[NPU37358](#)

DNA(spec.)—NFIX gene; seq.var. = ?

DNA(specification)—**NFIXL1 gene;****sequence variation**

name of component: nuclear factor I/X-like 1

[NPU37359](#)

DNA(spec.)—NFIXL1 gene; seq.var. = ?

DNA(specification)—**NFIXL2 gene;****sequence variation**

name of component: nuclear factor I/X-like 2

[NPU37360](#)

DNA(spec.)—NFIXL2 gene; seq.var. = ?

DNA(specification)—**NFIXL3 gene;****sequence variation**

name of component: nuclear factor I/X-like 3

[NPU37361](#)

DNA(spec.)—NFIXL3 gene; seq.var. = ?

DNA(specification)—**NFIXL4 gene;****sequence variation**

name of component: nuclear factor I/X-like 4

[NPU37362](#)

DNA(spec.)—NFIXL4 gene; seq.var. = ?

DNA(specification)—**NFIXL5 gene;****sequence variation**

name of component: nuclear factor I/X-like 5

[NPU37363](#)

DNA(spec.)—NFIXL5 gene; seq.var. = ?

DNA(specification)—**NFKB1 gene;****sequence variation**

name of component: nuclear factor of kappa light polypeptide gene enhancer in B-cells 1 (p105)

[NPU37364](#)

DNA(spec.)—NFKB1 gene; seq.var. = ?

DNA(specification)—**NFKB2 gene;****sequence variation**

name of component: nuclear factor of kappa light polypeptide gene enhancer in B-cells 2 (p49/p100)

[NPU37365](#)

DNA(spec.)—NFKB2 gene; seq.var. = ?

DNA(specification)—**NFKBIA gene;****sequence variation**

name of component: nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha

[NPU37366](#)

DNA(spec.)—NFKBIA gene; seq.var. = ?

DNA(specification)—**NFKBIB gene;****sequence variation**

name of component: nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta

[NPU37367](#)

DNA(spec.)—NFKBIB gene; seq.var. = ?

DNA(specification)—**NFKBIE gene;****sequence variation**

name of component: nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, epsilon

[NPU37368](#)

DNA(spec.)—NFKBIE gene; seq.var. = ?

DNA(specification)—**NFKBIL1 gene;****sequence variation**

name of component: nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 1

[NPU37369](#)

DNA(spec.)—NFKBIL1 gene; seq.var. = ?

DNA(specification)—**NFKBIL2 gene;****sequence variation**

name of component: nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2

[NPU37370](#)

DNA(spec.)—NFKBIL2 gene; seq.var. = ?

DNA(specification)—**NFRKB gene;****sequence variation**

name of component: nuclear factor related to kappa B binding protein

[NPU37371](#)

DNA(spec.)—NFRKB gene; seq.var. = ?

DNA(specification)—**NFS1 gene;****sequence variation**

name of component: NFS1 nitrogen fixation 1 (S. cerevisiae)

[NPU43995](#)

DNA(spec.)—NFS1 gene; seq.var. = ?

DNA(specification)—**NFX1 gene;****sequence variation**

name of component: nuclear transcription factor, X-box binding 1

[NPU37372](#)

DNA(spec.)—NFX1 gene; seq.var. = ?

DNA(specification)—**NFXL1 gene;****sequence variation**

name of component: nuclear transcription factor, X-box binding-like 1

[NPU46640](#)

DNA(spec.)—NFXL1 gene; seq.var. = ?

DNA(specification)—**NFYA gene;****sequence variation**

name of component: nuclear transcription factor Y, alpha

[NPU37373](#)

DNA(spec.)—NFYA gene; seq.var. = ?

DNA(specification)—**NFYB gene;****sequence variation**

name of component: nuclear transcription factor Y, beta

[NPU37374](#)

DNA(spec.)—NFYB gene; seq.var. = ?

DNA(specification)—**NFYC gene;****sequence variation**

name of component: nuclear transcription factor Y, gamma

[NPU37375](#)

DNA(spec.)—NFYC gene; seq.var. = ?

DNA(specification)—**NGB gene;****sequence variation**

name of component: neuroglobin

[NPU42496](#)

DNA(spec.)—NGB gene; seq.var. = ?

DNA(specification)—**NGEF gene;****sequence variation**

name of component: neuronal guanine nucleotide exchange factor

[NPU37376](#)

DNA(spec.)—NGEF gene; seq.var. = ?

DNA(specification)—**NGFB gene;****sequence variation**

name of component: nerve growth factor, beta polypeptide

[NPU37377](#)

DNA(spec.)—NGFB gene; seq.var. = ?

DNA(specification)—**NGFR gene;****sequence variation**

name of component: nerve growth factor receptor (TNFR superfamily, member 16)

[NPU37378](#)

DNA(spec.)—NGFR gene; seq.var. = ?

DNA(specification)—**NGFRAP1 gene;****sequence variation**

name of component: nerve growth factor receptor (TNFRSF16) associated protein 1

[NPU42111](#)

DNA(spec.)—NGFRAP1 gene; seq.var. = ?

DNA(specification)—**NGLY1 gene;****sequence variation**

name of component: N-glycanase 1

[NPU46066](#)

DNA(spec.)—NGLY1 gene; seq.var. = ?

DNA(specification)—**NHCP1 gene;****sequence variation**

name of component: non-histone chromosome protein 1

[NPU37379](#)

DNA(spec.)—NHCP1 gene; seq.var. = ?

DNA(specification)—**NHCP2 gene;****sequence variation**

name of component: non-histone chromosome protein 2

[NPU37380](#)

DNA(spec.)—NHCP2 gene; seq.var. = ?

DNA(specification)—**NHLH1 gene;****sequence variation**

name of component: nescient helix loop helix 1

[NPU37381](#)

DNA(spec.)—NHLH1 gene; seq.var. = ?

DNA(specification)—**NHLH2 gene;****sequence variation**

name of component: nescient helix loop helix 2

[NPU37382](#)

DNA(spec.)—NHLH2 gene; seq.var. = ?

DNA(specification)—**NHP2L1 gene;****sequence variation**

name of component: NHP2 non-histone chromosome protein 2-like 1 (S. cerevisiae)

[NPU37383](#)

DNA(spec.)—NHP2L1 gene; seq.var. = ?

DNA(specification)—**NHS gene;****sequence variation**

name of component: Nance-Horan syndrome (congenital cataracts and dental anomalies)

[NPU37384](#)

DNA(spec.)—NHS gene; seq.var. = ?

DNA(specification)—**NICAL gene;****sequence variation**

name of component: NEDD9 interacting protein with calponin homology and LIM domains

[NPU47685](#)

DNA(spec.)—NICAL gene; seq.var. = ?

DNA(specification)—**NICN1 gene;****sequence variation**

name of component: nicotin 1

[NPU46399](#)

DNA(spec.)—NICN1 gene; seq.var. = ?

DNA(specification)—**NICN2P gene;****sequence variation**

name of component: nicotin 2, pseudogene

[NPU46403](#)

DNA(spec.)—NICN2P gene; seq.var. = ?

DNA(specification)—**NID gene;****sequence variation**

name of component: nidogen (enactin)

[NPU37385](#)

DNA(spec.)—NID gene; seq.var. = ?

DNA(specification)—**NID2 gene;****sequence variation**

name of component: nidogen 2 (osteonidogen)

[NPU42112](#)

DNA(spec.)—NID2 gene; seq.var. = ?

DNA(specification)—**NIDDM1 gene;****sequence variation**

name of component: non-insulin-dependent diabetes mellitus (common, type 2) 1

[NPU37386](#)

DNA(spec.)—NIDDM1 gene; seq.var. = ?

DNA(specification)—**NIDDM2 gene;****sequence variation**

name of component: non-insulin-dependent diabetes mellitus (common, type 2) 2

[NPU37387](#)

DNA(spec.)—NIDDM2 gene; seq.var. = ?

DNA(specification)—**NIF3L1 gene;****sequence variation**

name of component: NIF3 NGG1 interacting factor 3-like 1 (*S. pombe*)

[NPU42113](#)

DNA(spec.)—NIF3L1 gene; seq.var. = ?

DNA(specification)—**NIN gene;****sequence variation**

name of component: ninein (GSK3B interacting protein)

[NPU43156](#)

DNA(spec.)—NIN gene; seq.var. = ?

DNA(specification)—**NINJ1 gene;****sequence variation**

name of component: ninjurin 1

[NPU37388](#)

DNA(spec.)—NINJ1 gene; seq.var. = ?

DNA(specification)—**NINJ2 gene;****sequence variation**

name of component: ninjurin 2

[NPU37389](#)

DNA(spec.)—NINJ2 gene; seq.var. = ?

DNA(specification)—**NIP1L gene;****sequence variation**

name of component: NIP1 nuclear import protein-like (*S. cerevisiae*)

[NPU37390](#)

DNA(spec.)—NIP1L gene; seq.var. = ?

DNA(specification)—**NIPSNAP1 gene;****sequence variation**

name of component: nipsnap homolog 1 (*C. elegans*)

[NPU37391](#)

DNA(spec.)—NIPSNAP1 gene; seq.var. = ?

DNA(specification)—**NISCH gene;****sequence variation**

name of component: nischarin

[NPU46222](#)

DNA(spec.)—NISCH gene; seq.var. = ?

DNA(specification)—**NIT1 gene;****sequence variation**

name of component: nitrilase 1

[NPU37392](#)

DNA(spec.)—NIT1 gene; seq.var. = ?

DNA(specification)—**NKD1 gene;****sequence variation**

name of component: naked cuticle homolog 1 (*Drosophila*)

[NPU44826](#)

DNA(spec.)—NKD1 gene; seq.var. = ?

DNA(specification)—**NKD2 gene;****sequence variation**

name of component: naked cuticle homolog 2 (*Drosophila*)

[NPU44827](#)

DNA(spec.)—NKD2 gene; seq.var. = ?

DNA(specification)—**NKG7 gene;****sequence variation**

name of component: natural killer cell group 7 sequence

[NPU37393](#)

DNA(spec.)—NKG7 gene; seq.var. = ?

DNA(specification)—**NKS1 gene;****sequence variation**

name of component: natural killer cell susceptibility 1

[NPU37394](#)

DNA(spec.)—NKS1 gene; seq.var. = ?

DNA(specification)—**NKTR gene;****sequence variation**

name of component: natural killer-tumor recognition sequence

[NPU37395](#)

DNA(spec.)—NKTR gene; seq.var. = ?

DNA(specification)—
NKX2-2 gene;
sequence variation
name of component: NK2 transcription factor related, locus 2 (Drosophila)
[NPU37396](#)
DNA(spec.)—NKX2-2 gene; seq.var. = ?

DNA(specification)—
NKX2-3 gene;
sequence variation
name of component: NK2 transcription factor related, locus 3 (Drosophila)
[NPU37397](#)
DNA(spec.)—NKX2-3 gene; seq.var. = ?

DNA(specification)—
NKX2-4 gene;
sequence variation
name of component: NK2 transcription factor related, locus 4 (Drosophila)
[NPU37398](#)
DNA(spec.)—NKX2-4 gene; seq.var. = ?

DNA(specification)—
NKX2-5 gene;
sequence variation
name of component: NK2 transcription factor related, locus 5 (Drosophila)
[NPU31985](#)
DNA(spec.)—NKX2-5 gene; seq.var. = ?

DNA(specification)—
NKX2-8 gene;
sequence variation
name of component: NK2 transcription factor related, locus 8 (Drosophila)
[NPU44376](#)
DNA(spec.)—NKX2-8 gene; seq.var. = ?

DNA(specification)—
NKX3-1 gene;
sequence variation
name of component: NK3 transcription factor related, locus 1 (Drosophila)
[NPU37399](#)
DNA(spec.)—NKX3-1 gene; seq.var. = ?

DNA(specification)—
NKX6-1 gene;
sequence variation
name of component: NK6 transcription factor related, locus 1 (Drosophila)
[NPU37400](#)
DNA(spec.)—NKX6-1 gene; seq.var. = ?

DNA(specification)—
NKX6-2 gene;
sequence variation
name of component: NK6 transcription factor related, locus 2 (Drosophila)
[NPU46969](#)
DNA(spec.)—NKX6-2 gene; seq.var. = ?

DNA(specification)—
NLGN1 gene;
sequence variation
name of component: neuroligin 1
[NPU42652](#)
DNA(spec.)—NLGN1 gene; seq.var. = ?

DNA(specification)—
NLGN2 gene;
sequence variation
name of component: neuroligin 2
[NPU42651](#)
DNA(spec.)—NLGN2 gene; seq.var. = ?

DNA(specification)—
NLGN3 gene;
sequence variation
name of component: neuroligin 3
[NPU42650](#)
DNA(spec.)—NLGN3 gene; seq.var. = ?

DNA(specification)—
NLGN4 gene;
sequence variation
name of component: neuroligin 4
[NPU42648](#)
DNA(spec.)—NLGN4 gene; seq.var. = ?

DNA(specification)—
NLGN4Y gene;
sequence variation
name of component: neuroligin 4, Y linked
[NPU43723](#)
DNA(spec.)—NLGN4Y gene; seq.var. = ?

DNA(specification)—
NLN gene;
sequence variation
name of component: neurolysin (metallopeptidase M3 family)
[NPU44112](#)
DNA(spec.)—NLN gene; seq.var. = ?

DNA(specification)—
NM gene;
sequence variation
name of component: neutrophil migration
[NPU37401](#)
DNA(spec.)—NM gene; seq.var. = ?

DNA(specification)—**NMB gene;****sequence variation**

name of component: neuromedin B

[NPU37402](#)

DNA(spec.)—NMB gene; seq.var. = ?

DNA(specification)—**NMBR gene;****sequence variation**

name of component: neuromedin B receptor

[NPU37403](#)

DNA(spec.)—NMBR gene; seq.var. = ?

DNA(specification)—**NME1 gene;****sequence variation**

name of component: non-metastatic cells 1, protein (NM23A) expressed in

[NPU37404](#)

DNA(spec.)—NME1 gene; seq.var. = ?

DNA(specification)—**NME2 gene;****sequence variation**

name of component: non-metastatic cells 2, protein (NM23B) expressed in

[NPU37405](#)

DNA(spec.)—NME2 gene; seq.var. = ?

DNA(specification)—**NME3 gene;****sequence variation**

name of component: non-metastatic cells 3, protein expressed in

[NPU37406](#)

DNA(spec.)—NME3 gene; seq.var. = ?

DNA(specification)—**NME4 gene;****sequence variation**

name of component: non-metastatic cells 4, protein expressed in

[NPU37407](#)

DNA(spec.)—NME4 gene; seq.var. = ?

DNA(specification)—**NME5 gene;****sequence variation**

name of component: non-metastatic cells 5, protein expressed in (nucleoside-diphosphate kinase)

[NPU37408](#)

DNA(spec.)—NME5 gene; seq.var. = ?

DNA(specification)—**NME6 gene;****sequence variation**

name of component: non-metastatic cells 6, protein expressed in (nucleoside-diphosphate kinase)

[NPU47664](#)

DNA(spec.)—NME6 gene; seq.var. = ?

DNA(specification)—**NME7 gene;****sequence variation**

name of component: non-metastatic cells 7, protein expressed in (nucleoside-diphosphate kinase)

[NPU47631](#)

DNA(spec.)—NME7 gene; seq.var. = ?

DNA(specification)—**NMI gene;****sequence variation**

name of component: N-myc (and STAT) interactor

[NPU37409](#)

DNA(spec.)—NMI gene; seq.var. = ?

DNA(specification)—**NMNAT1 gene;****sequence variation**

name of component: nicotinamide nucleotide adenyltransferase 1

[NPU46159](#)

DNA(spec.)—NMNAT1 gene; seq.var. = ?

DNA(specification)—**NMNAT2 gene;****sequence variation**

name of component: nicotinamide nucleotide adenyltransferase 2

[NPU44694](#)

DNA(spec.)—NMNAT2 gene; seq.var. = ?

DNA(specification)—**NMNAT3 gene;****sequence variation**

name of component: nicotinamide nucleotide adenyltransferase 3

[NPU47818](#)

DNA(spec.)—NMNAT3 gene; seq.var. = ?

DNA(specification)—**NMNATP gene;****sequence variation**

name of component: nicotinamide nucleotide adenyltransferase pseudogene

[NPU47368](#)

DNA(spec.)—NMNATP gene; seq.var. = ?

DNA(specification)—
NMT1 gene;
sequence variation
name of component: N-myristoyltransferase 1
[NPU37411](#)
DNA(spec.)—NMT1 gene; seq.var. = ?

DNA(specification)—
NMT2 gene;
sequence variation
name of component: N-myristoyltransferase 2
[NPU37412](#)
DNA(spec.)—NMT2 gene; seq.var. = ?

DNA(specification)—
NMU gene;
sequence variation
name of component: neuromedin U
[NPU37413](#)
DNA(spec.)—NMU gene; seq.var. = ?

DNA(specification)—
NMU2R gene;
sequence variation
name of component: neuromedin U receptor 2
[NPU44450](#)
DNA(spec.)—NMU2R gene; seq.var. = ?

DNA(specification)—
NNAT gene;
sequence variation
name of component: neuronatin
[NPU37414](#)
DNA(spec.)—NNAT gene; seq.var. = ?

DNA(specification)—
NNMT gene;
sequence variation
name of component: nicotinamide N-methyltransferase
[NPU37415](#)
DNA(spec.)—NNMT gene; seq.var. = ?

DNA(specification)—
NNO1 gene;
sequence variation
name of component: nanophthalmos 1
[NPU37416](#)
DNA(spec.)—NNO1 gene; seq.var. = ?

DNA(specification)—
NNT gene;
sequence variation
name of component: nicotinamide nucleotide transhydrogenase
[NPU37417](#)
DNA(spec.)—NNT gene; seq.var. = ?

DNA(specification)—
NOC4 gene;
sequence variation
name of component: neighbor of COX4
[NPU37418](#)
DNA(spec.)—NOC4 gene; seq.var. = ?

DNA(specification)—
NODAL gene;
sequence variation
name of component: nodal homolog (mouse)
[NPU37419](#)
DNA(spec.)—NODAL gene; seq.var. = ?

DNA(specification)—
NOG gene;
sequence variation
name of component: noggin
[NPU37420](#)
DNA(spec.)—NOG gene; seq.var. = ?

DNA(specification)—
NOL1 gene;
sequence variation
name of component: nucleolar protein 1, 120 kDa
[NPU37421](#)
DNA(spec.)—NOL1 gene; seq.var. = ?

DNA(specification)—
NOL2 gene;
sequence variation
name of component: nucleolar protein 2, 145 kDa
[NPU37422](#)
DNA(spec.)—NOL2 gene; seq.var. = ?

DNA(specification)—
NOL3 gene;
sequence variation
name of component: nucleolar protein 3 (apoptosis repressor with CARD domain)
[NPU37423](#)
DNA(spec.)—NOL3 gene; seq.var. = ?

DNA(specification)—
NOL4 gene;
sequence variation
name of component: nucleolar protein 4
[NPU37424](#)
DNA(spec.)—NOL4 gene; seq.var. = ?

DNA(specification)—
NOL5A gene;
sequence variation
name of component: nucleolar protein 5A (56 kDa with KKE/D repeat)
[NPU43996](#)
DNA(spec.)—NOL5A gene; seq.var. = ?

DNA(specification)—**NOL6 gene;****sequence variation**

name of component: nucleolar protein family 6 (RNA-associated)

[NPU47307](#)

DNA(spec.)—NOL6 gene; seq.var. = ?

DNA(specification)—**NOLA1 gene;****sequence variation**

name of component: nucleolar protein family A, member 1 (H/ACA small nucleolar RNPs)

[NPU42631](#)

DNA(spec.)—NOLA1 gene; seq.var. = ?

DNA(specification)—**NOLA2 gene;****sequence variation**

name of component: nucleolar protein family A, member 2 (H/ACA small nucleolar RNPs)

[NPU42706](#)

DNA(spec.)—NOLA2 gene; seq.var. = ?

DNA(specification)—**NOLA3 gene;****sequence variation**

name of component: nucleolar protein family A, member 3 (H/ACA small nucleolar RNPs)

[NPU42707](#)

DNA(spec.)—NOLA3 gene; seq.var. = ?

DNA(specification)—**NOLC1 gene;****sequence variation**

name of component: nucleolar and coiled-body phosphoprotein 1

[NPU43779](#)

DNA(spec.)—NOLC1 gene; seq.var. = ?

DNA(specification)—**NONO gene;****sequence variation**

name of component: non-POU domain containing, octamer-binding

[NPU37425](#)

DNA(spec.)—NONO gene; seq.var. = ?

DNA(specification)—**NOS1 gene;****sequence variation**

name of component: nitric oxide synthase 1 (neuronal)

[NPU37426](#)

DNA(spec.)—NOS1 gene; seq.var. = ?

DNA(specification)—**NOS2A gene;****sequence variation**

name of component: nitric oxide synthase 2A (inducible, hepatocytes)

[NPU37427](#)

DNA(spec.)—NOS2A gene; seq.var. = ?

DNA(specification)—**NOS2B gene;****sequence variation**

name of component: nitric oxide synthase 2B

[NPU37428](#)

DNA(spec.)—NOS2B gene; seq.var. = ?

DNA(specification)—**NOS2C gene;****sequence variation**

name of component: nitric oxide synthase 2C

[NPU37429](#)

DNA(spec.)—NOS2C gene; seq.var. = ?

DNA(specification)—**NOS3 gene;****sequence variation**

name of component: nitric oxide synthase 3 (endothelial cell)

[NPU37430](#)

DNA(spec.)—NOS3 gene; seq.var. = ?

DNA(specification)—**NOSIP gene;****sequence variation**

name of component: nitric oxide synthase interacting protein

[NPU46186](#)

DNA(spec.)—NOSIP gene; seq.var. = ?

DNA(specification)—**NOSTRIN gene;****sequence variation**

name of component: nitric oxide synthase trafficking

[NPU47484](#)

DNA(spec.)—NOSTRIN gene; seq.var. = ?

DNA(specification)—**NOTCH1 gene;****sequence variation**

name of component: Notch homolog 1, translocation-associated (Drosophila)

[NPU37435](#)

DNA(spec.)—NOTCH1 gene; seq.var. = ?

DNA(specification)—**NOTCH2 gene;****sequence variation**

name of component: Notch homolog 2 (Drosophila)

[NPU37436](#)

DNA(spec.)—NOTCH2 gene; seq.var. = ?

DNA(specification)—**NOTCH3 gene;****sequence variation**

name of component: Notch homolog 3 (Drosophila)

[NPU37437](#)

DNA(spec.)—NOTCH3 gene; seq.var. = ?

DNA(specification)—**NOTCH4 gene;****sequence variation**

name of component: Notch homolog 4 (Drosophila)

[NPU37438](#)

DNA(spec.)—NOTCH4 gene; seq.var. = ?

DNA(specification)—**NOV gene;****sequence variation**

name of component: neuroblastoma overexpressed gene

[NPU37439](#)

DNA(spec.)—NOV gene; seq.var. = ?

DNA(specification)—**NOVA1 gene;****sequence variation**

name of component: neuro-oncological ventral antigen 1

[NPU37440](#)

DNA(spec.)—NOVA1 gene; seq.var. = ?

DNA(specification)—**NOVA2 gene;****sequence variation**

name of component: neuro-oncological ventral antigen 2

[NPU37441](#)

DNA(spec.)—NOVA2 gene; seq.var. = ?

DNA(specification)—**NOX1 gene;****sequence variation**

name of component: NADPH oxidase 1

[NPU37442](#)

DNA(spec.)—NOX1 gene; seq.var. = ?

DNA(specification)—**NOX3 gene;****sequence variation**

name of component: NADPH oxidase 3

[NPU37443](#)

DNA(spec.)—NOX3 gene; seq.var. = ?

DNA(specification)—**NOX4 gene;****sequence variation**

name of component: NADPH oxidase 4

[NPU37444](#)

DNA(spec.)—NOX4 gene; seq.var. = ?

DNA(specification)—**NOX5 gene;****sequence variation**

name of component: NADPH oxidase, EF hand calcium-binding domain 5

[NPU43131](#)

DNA(spec.)—NOX5 gene; seq.var. = ?

DNA(specification)—**NOXA1 gene;****sequence variation**

name of component: NADPH oxidase activator 1

[NPU39819](#)

DNA(spec.)—NOXA1 gene; seq.var. = ?

DNA(specification)—**NOXO1 gene;****sequence variation**

name of component: NADPH oxidase organizer 1

[NPU47022](#)

DNA(spec.)—NOXO1 gene; seq.var. = ?

DNA(specification)—**NP gene;****sequence variation**

name of component: nucleoside phosphorylase

[NPU37445](#)

DNA(spec.)—NP gene; seq.var. = ?

DNA(specification)—**NPAS1 gene;****sequence variation**

name of component: neuronal PAS domain protein 1

[NPU37446](#)

DNA(spec.)—NPAS1 gene; seq.var. = ?

DNA(specification)—**NPAS2 gene;****sequence variation**

name of component: neuronal PAS domain protein 2

[NPU37447](#)

DNA(spec.)—NPAS2 gene; seq.var. = ?

DNA(specification)—**NPAS3 gene;****sequence variation**

name of component: neuronal PAS domain protein 3

[NPU46965](#)

DNA(spec.)—NPAS3 gene; seq.var. = ?

DNA(specification)—**NPAT gene;****sequence variation**

name of component: nuclear protein, ataxia-telangiectasia locus

[NPU37448](#)

DNA(spec.)—NPAT gene; seq.var. = ?

DNA(specification)—**NPC1 gene;****sequence variation**

name of component: Niemann-Pick disease, type C1

[NPU37449](#)

DNA(spec.)—NPC1 gene; seq.var. = ?

DNA(specification)—**NPC1L1 gene;****sequence variation**

name of component: NPC1 (Niemann-Pick disease, type C1, gene)-like 1

[NPU37450](#)

DNA(spec.)—NPC1L1 gene; seq.var. = ?

DNA(specification)—**NPC2 gene;****sequence variation**

name of component: Niemann-Pick disease, type C2

[NPU42844](#)

DNA(spec.)—NPC2 gene; seq.var. = ?

DNA(specification)—**NPDC1 gene;****sequence variation**

name of component: neural proliferation, differentiation and control, 1

[NPU37451](#)

DNA(spec.)—NPDC1 gene; seq.var. = ?

DNA(specification)—**NPEPL1 gene;****sequence variation**

name of component: aminopeptidase-like 1

[NPU44284](#)

DNA(spec.)—NPEPL1 gene; seq.var. = ?

DNA(specification)—**NPEPPS gene;****sequence variation**

name of component: aminopeptidase puromycin sensitive

[NPU37452](#)

DNA(spec.)—NPEPPS gene; seq.var. = ?

DNA(specification)—**NPFF gene;****sequence variation**

name of component: neuropeptide FF-amide peptide precursor

[NPU37453](#)

DNA(spec.)—NPFF gene; seq.var. = ?

DNA(specification)—**NPHL1 gene;****sequence variation**

name of component: nephrolithiasis 1 (X-linked)

[NPU37454](#)

DNA(spec.)—NPHL1 gene; seq.var. = ?

DNA(specification)—**NPHP1 gene;****sequence variation**

name of component: nephronophthisis 1 (juvenile)

[NPU37455](#)

DNA(spec.)—NPHP1 gene; seq.var. = ?

DNA(specification)—**NPHP2 gene;****sequence variation**

name of component: nephronophthisis 2 (infantile)

[NPU37456](#)

DNA(spec.)—NPHP2 gene; seq.var. = ?

DNA(specification)—**NPHP3 gene;****sequence variation**

name of component: nephronophthisis 3 (adolescent)

[NPU37457](#)

DNA(spec.)—NPHP3 gene; seq.var. = ?

DNA(specification)—**NPHP4 gene;****sequence variation**

name of component: nephronophthisis 4

[NPU46862](#)

DNA(spec.)—NPHP4 gene; seq.var. = ?

DNA(specification)—**NPHS1 gene;****sequence variation**

name of component: nephrosis 1, congenital, Finnish type (nephrin)

[NPU37458](#)

DNA(spec.)—NPHS1 gene; seq.var. = ?

DNA(specification)—**NPHS2 gene;****sequence variation**

name of component: nephrosis 2, idiopathic, steroid-resistant (podocin)

[NPU42114](#)

DNA(spec.)—NPHS2 gene; seq.var. = ?

DNA(specification)—**NPIP gene;****sequence variation**

name of component: nuclear pore complex interacting protein

[NPU37459](#)

DNA(spec.)—NPIP gene; seq.var. = ?

DNA(specification)—**NPM1 gene;****sequence variation**

name of component: nucleophosmin (nucleolar phosphoprotein B23, numatrin)

[NPU37460](#)

DNA(spec.)—NPM1 gene; seq.var. = ?

DNA(specification)—**NPM1P1 gene;****sequence variation**

name of component: nucleophosmin 1 (nucleolar phosphoprotein B23, numatrin) pseudogene 1

[NPU37461](#)

DNA(spec.)—NPM1P1 gene; seq.var. = ?

DNA(specification)—**NPM1P10 gene;****sequence variation**

name of component: nucleophosmin 1 (nucleolar phosphoprotein B23, numatrin) pseudogene 10

[NPU37462](#)

DNA(spec.)—NPM1P10 gene; seq.var. = ?

DNA(specification)—**NPM1P11 gene;****sequence variation**

name of component: nucleophosmin 1 (nucleolar phosphoprotein B23, numatrin) pseudogene 11

[NPU37463](#)

DNA(spec.)—NPM1P11 gene; seq.var. = ?

DNA(specification)—**NPM1P12 gene;****sequence variation**

name of component: nucleophosmin 1 (nucleolar phosphoprotein B23, numatrin) pseudogene 12

[NPU37464](#)

DNA(spec.)—NPM1P12 gene; seq.var. = ?

DNA(specification)—**NPM1P13 gene;****sequence variation**

name of component: nucleophosmin 1 (nucleolar phosphoprotein B23, numatrin) pseudogene 13

[NPU37465](#)

DNA(spec.)—NPM1P13 gene; seq.var. = ?

DNA(specification)—**NPM1P14 gene;****sequence variation**

name of component: nucleophosmin 1 (nucleolar phosphoprotein B23, numatrin) pseudogene 14

[NPU37466](#)

DNA(spec.)—NPM1P14 gene; seq.var. = ?

DNA(specification)—**NPM1P15 gene;****sequence variation**

name of component: nucleophosmin 1 (nucleolar phosphoprotein B23, numatrin) pseudogene 15

[NPU37467](#)

DNA(spec.)—NPM1P15 gene; seq.var. = ?

DNA(specification)—**NPM1P16 gene;****sequence variation**

name of component: nucleophosmin 1 (nucleolar phosphoprotein B23, numatrin) pseudogene 16

[NPU37468](#)

DNA(spec.)—NPM1P16 gene; seq.var. = ?

DNA(specification)—**NPM1P17 gene;****sequence variation**

name of component: nucleophosmin 1 (nucleolar phosphoprotein B23, numatrin) pseudogene 17

[NPU37469](#)

DNA(spec.)—NPM1P17 gene; seq.var. = ?

DNA(specification)—**NPM1P18 gene;****sequence variation**

name of component: nucleophosmin 1 (nucleolar phosphoprotein B23, numatrin) pseudogene 18

[NPU37470](#)

DNA(spec.)—NPM1P18 gene; seq.var. = ?

DNA(specification)—**NPM1P19 gene;****sequence variation**

name of component: nucleophosmin 1 (nucleolar phosphoprotein B23, numatrin) pseudogene 19

[NPU37471](#)

DNA(spec.)—NPM1P19 gene; seq.var. = ?

DNA(specification)—**NPM1P2 gene;****sequence variation**

name of component: nucleophosmin 1 (nucleolar phosphoprotein B23, numatrin) pseudogene 2

[NPU37472](#)

DNA(spec.)—NPM1P2 gene; seq.var. = ?

DNA(specification)—**NPM1P20 gene;****sequence variation**

name of component: nucleophosmin 1 (nucleolar phosphoprotein B23, numatrin) pseudogene 20

[NPU47446](#)

DNA(spec.)—NPM1P20 gene; seq.var. = ?

DNA(specification)—**NPM1P3 gene;****sequence variation**

name of component: nucleophosmin 1 (nucleolar phosphoprotein B23, numatrin) pseudogene 3

[NPU37473](#)

DNA(spec.)—NPM1P3 gene; seq.var. = ?

DNA(specification)—**NPM1P4 gene;****sequence variation**

name of component: nucleophosmin 1 (nucleolar phosphoprotein B23, numatrin) pseudogene 4

[NPU37474](#)

DNA(spec.)—NPM1P4 gene; seq.var. = ?

DNA(specification)—**NPM1P5 gene;****sequence variation**

name of component: nucleophosmin 1 (nucleolar phosphoprotein B23, numatrin) pseudogene 5

[NPU37475](#)

DNA(spec.)—NPM1P5 gene; seq.var. = ?

DNA(specification)—**NPM1P6 gene;****sequence variation**

name of component: nucleophosmin 1 (nucleolar phosphoprotein B23, numatrin) pseudogene 6

[NPU37476](#)

DNA(spec.)—NPM1P6 gene; seq.var. = ?

DNA(specification)—**NPM1P7 gene;****sequence variation**

name of component: nucleophosmin 1 (nucleolar phosphoprotein B23, numatrin) pseudogene 7

[NPU37477](#)

DNA(spec.)—NPM1P7 gene; seq.var. = ?

DNA(specification)—**NPM1P8 gene;****sequence variation**

name of component: nucleophosmin 1 (nucleolar phosphoprotein B23, numatrin) pseudogene 8

[NPU37478](#)

DNA(spec.)—NPM1P8 gene; seq.var. = ?

DNA(specification)—**NPM1P9 gene;****sequence variation**

name of component: nucleophosmin 1 (nucleolar phosphoprotein B23, numatrin) pseudogene 9

[NPU37479](#)

DNA(spec.)—NPM1P9 gene; seq.var. = ?

DNA(specification)—**NPM2 gene;****sequence variation**

name of component: nucleophosmin/nucleoplasmin, 2

[NPU37480](#)

DNA(spec.)—NPM2 gene; seq.var. = ?

DNA(specification)—**NPM3 gene;****sequence variation**

name of component: nucleophosmin/nucleoplasmin, 3

[NPU37481](#)

DNA(spec.)—NPM3 gene; seq.var. = ?

DNA(specification)—**NPPA gene;****sequence variation**

name of component: natriuretic peptide precursor A

[NPU37482](#)

DNA(spec.)—NPPA gene; seq.var. = ?

DNA(specification)—**NPPB gene;****sequence variation**

name of component: natriuretic peptide precursor B

[NPU37483](#)

DNA(spec.)—NPPB gene; seq.var. = ?

DNA(specification)—**NPPC gene;****sequence variation**

name of component: natriuretic peptide precursor C

[NPU37484](#)

DNA(spec.)—NPPC gene; seq.var. = ?

DNA(specification)—**NPR1 gene;****sequence variation**

name of component: natriuretic peptide receptor A/guanylate cyclase A (atrionatriuretic peptide receptor A)

[NPU37485](#)

DNA(spec.)—NPR1 gene; seq.var. = ?

DNA(specification)—**NPR2 gene;****sequence variation**

name of component: natriuretic peptide receptor B/guanylate cyclase B (atrionatriuretic peptide receptor B)

[NPU37486](#)

DNA(spec.)—NPR2 gene; seq.var. = ?

DNA(specification)—**NPR3 gene;****sequence variation**

name of component: natriuretic peptide receptor C/guanylate cyclase C (atrionatriuretic peptide receptor C)

[NPU37487](#)

DNA(spec.)—NPR3 gene; seq.var. = ?

DNA(specification)—**NPTX1 gene;****sequence variation**

name of component: neuronal pentraxin I

[NPU37488](#)

DNA(spec.)—NPTX1 gene; seq.var. = ?

DNA(specification)—**NPTX2 gene;****sequence variation**

name of component: neuronal pentraxin II

[NPU37489](#)

DNA(spec.)—NPTX2 gene; seq.var. = ?

DNA(specification)—**NPTXR gene;****sequence variation**

name of component: neuronal pentraxin receptor

[NPU37490](#)

DNA(spec.)—NPTXR gene; seq.var. = ?

DNA(specification)—**NPY gene;****sequence variation**

name of component: neuropeptide Y

[NPU37491](#)

DNA(spec.)—NPY gene; seq.var. = ?

DNA(specification)—**NPY1R gene;****sequence variation**

name of component: neuropeptide Y receptor Y1

[NPU37492](#)

DNA(spec.)—NPY1R gene; seq.var. = ?

DNA(specification)—**NPY2R gene;****sequence variation**

name of component: neuropeptide Y receptor Y2

[NPU37493](#)

DNA(spec.)—NPY2R gene; seq.var. = ?

DNA(specification)—**NPY5R gene;****sequence variation**

name of component: neuropeptide Y receptor Y5

[NPU37494](#)

DNA(spec.)—NPY5R gene; seq.var. = ?

DNA(specification)—**NPY6R gene;****sequence variation**

name of component: neuropeptide Y receptor Y6 (pseudogene)

[NPU37495](#)

DNA(spec.)—NPY6R gene; seq.var. = ?

DNA(specification)—**NQO1 gene;****sequence variation**

name of component: NAD(P)H dehydrogenase, quinone 1

[NPU32280](#)

DNA(spec.)—NQO1 gene; seq.var. = ?

DNA(specification)—**NQO2 gene;****sequence variation**

name of component: NAD(P)H dehydrogenase, quinone 2

[NPU37410](#)

DNA(spec.)—NQO2 gene; seq.var. = ?

DNA(specification)—**NR0B1 gene;****sequence variation**

name of component: nuclear receptor subfamily 0, group B, member 1

[NPU37496](#)

DNA(spec.)—NR0B1 gene; seq.var. = ?

DNA(specification)—**NR0B2 gene;****sequence variation**

name of component: nuclear receptor subfamily 0, group B, member 2

[NPU37497](#)

DNA(spec.)—NR0B2 gene; seq.var. = ?

DNA(specification)—**NR1D1 gene;****sequence variation**

name of component: nuclear receptor subfamily 1,
group D, member 1

[NPU37498](#)

DNA(spec.)—NR1D1 gene; seq.var. = ?

DNA(specification)—**NR1D2 gene;****sequence variation**

name of component: nuclear receptor subfamily 1,
group D, member 2

[NPU37499](#)

DNA(spec.)—NR1D2 gene; seq.var. = ?

DNA(specification)—**NR1H2 gene;****sequence variation**

name of component: nuclear receptor subfamily 1,
group H, member 2

[NPU37500](#)

DNA(spec.)—NR1H2 gene; seq.var. = ?

DNA(specification)—**NR1H3 gene;****sequence variation**

name of component: nuclear receptor subfamily 1,
group H, member 3

[NPU37501](#)

DNA(spec.)—NR1H3 gene; seq.var. = ?

DNA(specification)—**NR1H4 gene;****sequence variation**

name of component: nuclear receptor subfamily 1,
group H, member 4

[NPU37502](#)

DNA(spec.)—NR1H4 gene; seq.var. = ?

DNA(specification)—**NR1I2 gene;****sequence variation**

name of component: nuclear receptor subfamily 1,
group I, member 2

[NPU37503](#)

DNA(spec.)—NR1I2 gene; seq.var. = ?

DNA(specification)—**NR1I3 gene;****sequence variation**

name of component: nuclear receptor subfamily 1,
group I, member 3

[NPU37504](#)

DNA(spec.)—NR1I3 gene; seq.var. = ?

DNA(specification)—**NR1I4 gene;****sequence variation**

name of component: nuclear receptor subfamily 1,
group I, member 4

[NPU37505](#)

DNA(spec.)—NR1I4 gene; seq.var. = ?

DNA(specification)—**NR2C1 gene;****sequence variation**

name of component: nuclear receptor subfamily 2,
group C, member 1

[NPU37506](#)

DNA(spec.)—NR2C1 gene; seq.var. = ?

DNA(specification)—**NR2C2 gene;****sequence variation**

name of component: nuclear receptor subfamily 2,
group C, member 2

[NPU37507](#)

DNA(spec.)—NR2C2 gene; seq.var. = ?

DNA(specification)—**NR2E1 gene;****sequence variation**

name of component: nuclear receptor subfamily 2,
group E, member 1

[NPU37508](#)

DNA(spec.)—NR2E1 gene; seq.var. = ?

DNA(specification)—**NR2E3 gene;****sequence variation**

name of component: nuclear receptor subfamily 2,
group E, member 3

[NPU37509](#)

DNA(spec.)—NR2E3 gene; seq.var. = ?

DNA(specification)—**NR2F1 gene;****sequence variation**

name of component: nuclear receptor subfamily 2,
group F, member 1

[NPU37510](#)

DNA(spec.)—NR2F1 gene; seq.var. = ?

DNA(specification)—**NR2F2 gene;****sequence variation**

name of component: nuclear receptor subfamily 2,
group F, member 2

[NPU37511](#)

DNA(spec.)—NR2F2 gene; seq.var. = ?

DNA(specification)—**NR2F6 gene;****sequence variation**

name of component: nuclear receptor subfamily 2, group F, member 6

[NPU37512](#)

DNA(spec.)—NR2F6 gene; seq.var. = ?

DNA(specification)—**NR3C1 gene;****sequence variation**

name of component: nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor)

[NPU37513](#)

DNA(spec.)—NR3C1 gene; seq.var. = ?

DNA(specification)—**NR3C2 gene;****sequence variation**

name of component: nuclear receptor subfamily 3, group C, member 2

[NPU37514](#)

DNA(spec.)—NR3C2 gene; seq.var. = ?

DNA(specification)—**NR4A1 gene;****sequence variation**

name of component: nuclear receptor subfamily 4, group A, member 1

[NPU37515](#)

DNA(spec.)—NR4A1 gene; seq.var. = ?

DNA(specification)—**NR4A2 gene;****sequence variation**

name of component: nuclear receptor subfamily 4, group A, member 2

[NPU37516](#)

DNA(spec.)—NR4A2 gene; seq.var. = ?

DNA(specification)—**NR4A3 gene;****sequence variation**

name of component: nuclear receptor subfamily 4, group A, member 3

[NPU37517](#)

DNA(spec.)—NR4A3 gene; seq.var. = ?

DNA(specification)—**NR5A1 gene;****sequence variation**

name of component: nuclear receptor subfamily 5, group A, member 1

[NPU37518](#)

DNA(spec.)—NR5A1 gene; seq.var. = ?

DNA(specification)—**NR5A2 gene;****sequence variation**

name of component: nuclear receptor subfamily 5, group A, member 2

[NPU37519](#)

DNA(spec.)—NR5A2 gene; seq.var. = ?

DNA(specification)—**NR6A1 gene;****sequence variation**

name of component: nuclear receptor subfamily 6, group A, member 1

[NPU37520](#)

DNA(spec.)—NR6A1 gene; seq.var. = ?

DNA(specification)—**NRAP gene;****sequence variation**

name of component: nebulin-related anchoring protein

[NPU37521](#)

DNA(spec.)—NRAP gene; seq.var. = ?

DNA(specification)—**NRAS gene;****sequence variation**

name of component: neuroblastoma RAS viral (v-ras) oncogene homolog

[NPU19159](#)

DNA(spec.)—NRAS gene; seq.var. = ?

DNA(specification)—**NRASL1 gene;****sequence variation**

name of component: neuroblastoma RAS viral (v-ras) oncogene homolog-like 1

[NPU37522](#)

DNA(spec.)—NRASL1 gene; seq.var. = ?

DNA(specification)—**NRASL2 gene;****sequence variation**

name of component: neuroblastoma RAS viral (v-ras) oncogene homolog-like 2

[NPU37523](#)

DNA(spec.)—NRASL2 gene; seq.var. = ?

DNA(specification)—**NRASL3 gene;****sequence variation**

name of component: neuroblastoma RAS viral (v-ras) oncogene homolog-like 3

[NPU37524](#)

DNA(spec.)—NRASL3 gene; seq.var. = ?

DNA(specification)—**NRBP gene;****sequence variation**

name of component: nuclear receptor binding protein

[NPU37525](#)

DNA(spec.)—NRBP gene; seq.var. = ?

DNA(specification)—**NRCAM gene;****sequence variation**

name of component: neuronal cell adhesion molecule

[NPU37526](#)

DNA(spec.)—NRCAM gene; seq.var. = ?

DNA(specification)—**NRD1 gene;****sequence variation**

name of component: nardilysin (N-arginine dibasic convertase)

[NPU37527](#)

DNA(spec.)—NRD1 gene; seq.var. = ?

DNA(specification)—**NRF1 gene;****sequence variation**

name of component: nuclear respiratory factor 1

[NPU37528](#)

DNA(spec.)—NRF1 gene; seq.var. = ?

DNA(specification)—**NRG1 gene;****sequence variation**

name of component: neuregulin 1

[NPU37529](#)

DNA(spec.)—NRG1 gene; seq.var. = ?

DNA(specification)—**NRG2 gene;****sequence variation**

name of component: neuregulin 2

[NPU37530](#)

DNA(spec.)—NRG2 gene; seq.var. = ?

DNA(specification)—**NRG3 gene;****sequence variation**

name of component: neuregulin 3

[NPU37531](#)

DNA(spec.)—NRG3 gene; seq.var. = ?

DNA(specification)—**NRGN gene;****sequence variation**

name of component: neurogranin (protein kinase C substrate, RC3)

[NPU37532](#)

DNA(spec.)—NRGN gene; seq.var. = ?

DNA(specification)—**NRIP1 gene;****sequence variation**

name of component: nuclear receptor interacting protein 1

[NPU37533](#)

DNA(spec.)—NRIP1 gene; seq.var. = ?

DNA(specification)—**NRL gene;****sequence variation**

name of component: neural retina leucine zipper

[NPU37534](#)

DNA(spec.)—NRL gene; seq.var. = ?

DNA(specification)—**NRM gene;****sequence variation**

name of component: nurim (nuclear envelope membrane protein)

[NPU37535](#)

DNA(spec.)—NRM gene; seq.var. = ?

DNA(specification)—**NRN1 gene;****sequence variation**

name of component: neuritin 1

[NPU46200](#)

DNA(spec.)—NRN1 gene; seq.var. = ?

DNA(specification)—**NRP1 gene;****sequence variation**

name of component: neuropilin 1

[NPU37536](#)

DNA(spec.)—NRP1 gene; seq.var. = ?

DNA(specification)—**NRP2 gene;****sequence variation**

name of component: neuropilin 2

[NPU37537](#)

DNA(spec.)—NRP2 gene; seq.var. = ?

DNA(specification)—**NRTN gene;****sequence variation**

name of component: neurturin

[NPU37538](#)

DNA(spec.)—NRTN gene; seq.var. = ?

DNA(specification)—**NRXN1 gene;****sequence variation**

name of component: neurexin 1

[NPU37539](#)

DNA(spec.)—NRXN1 gene; seq.var. = ?

DNA(specification)—
NRXN2 gene;
sequence variation
name of component: neurexin 2
[NPU37540](#)
DNA(spec.)—NRXN2 gene; seq.var. = ?

DNA(specification)—
NRXN3 gene;
sequence variation
name of component: neurexin 3
[NPU37541](#)
DNA(spec.)—NRXN3 gene; seq.var. = ?

DNA(specification)—
NSBP1 gene;
sequence variation
name of component: nucleosomal binding protein 1
[NPU37543](#)
DNA(spec.)—NSBP1 gene; seq.var. = ?

DNA(specification)—
NSD1 gene;
sequence variation
name of component: nuclear receptor binding SET domain protein 1
[NPU42602](#)
DNA(spec.)—NSD1 gene; seq.var. = ?

DNA(specification)—
NSEP1 gene;
sequence variation
name of component: nuclease sensitive element binding protein 1
[NPU37544](#)
DNA(spec.)—NSEP1 gene; seq.var. = ?

DNA(specification)—
NSEP1P gene;
sequence variation
name of component: nuclease sensitive element binding protein 1 pseudogene
[NPU37545](#)
DNA(spec.)—NSEP1P gene; seq.var. = ?

DNA(specification)—
NSF gene;
sequence variation
name of component: N-ethylmaleimide-sensitive factor
[NPU37546](#)
DNA(spec.)—NSF gene; seq.var. = ?

DNA(specification)—
NSFL1C gene;
sequence variation
name of component: NSFL1 (p97) cofactor (p47)
[NPU43997](#)
DNA(spec.)—NSFL1C gene; seq.var. = ?

DNA(specification)—
NSMAF gene;
sequence variation
name of component: neutral sphingomyelinase (N-SMase) activation associated factor
[NPU37547](#)
DNA(spec.)—NSMAF gene; seq.var. = ?

DNA(specification)—
NSX gene;
sequence variation
name of component: N syndrome (mental retardation, malformations, chromosome breakage)
[NPU37548](#)
DNA(spec.)—NSX gene; seq.var. = ?

DNA(specification)—
NT3 gene;
sequence variation
name of component: 3'-nucleotidase
[NPU37549](#)
DNA(spec.)—NT3 gene; seq.var. = ?

DNA(specification)—
NT5C gene;
sequence variation
name of component: 5', 3'-nucleotidase, cytosolic
[NPU44880](#)
DNA(spec.)—NT5C gene; seq.var. = ?

DNA(specification)—
NT5C1A gene;
sequence variation
name of component: 5'-nucleotidase, cytosolic IA
[NPU46117](#)
DNA(spec.)—NT5C1A gene; seq.var. = ?

DNA(specification)—
NT5C1B gene;
sequence variation
name of component: 5'-nucleotidase, cytosolic IB
[NPU46116](#)
DNA(spec.)—NT5C1B gene; seq.var. = ?

DNA(specification)—
NT5C2 gene;
sequence variation
name of component: 5'-nucleotidase, cytosolic II
[NPU37551](#)
DNA(spec.)—NT5C2 gene; seq.var. = ?

DNA(specification)—
NT5C3 gene;
sequence variation
name of component: 5'-nucleotidase, cytosolic III
[NPU46118](#)
DNA(spec.)—NT5C3 gene; seq.var. = ?

DNA(specification)—**NT5C3P1 gene;****sequence variation**

name of component: 5'-nucleotidase, cytosolic III
pseudogene 1

[NPU46515](#)

DNA(spec.)—NT5C3P1 gene; seq.var. = ?

DNA(specification)—**NT5CP1 gene;****sequence variation**

name of component: 5',3'-nucleotidase, cytosolic
pseudogene 1

[NPU47387](#)

DNA(spec.)—NT5CP1 gene; seq.var. = ?

DNA(specification)—**NT5CP2 gene;****sequence variation**

name of component: 5',3'-nucleotidase, cytosolic
pseudogene 2

[NPU47388](#)

DNA(spec.)—NT5CP2 gene; seq.var. = ?

DNA(specification)—**NT5E gene;****sequence variation**

name of component: 5'-nucleotidase, ecto (CD73)

[NPU37550](#)

DNA(spec.)—NT5E gene; seq.var. = ?

DNA(specification)—**NT5M gene;****sequence variation**

name of component: 5',3'-nucleotidase, mitochondrial

[NPU43886](#)

DNA(spec.)—NT5M gene; seq.var. = ?

DNA(specification)—**NTF3 gene;****sequence variation**

name of component: neurotrophin 3

[NPU37552](#)

DNA(spec.)—NTF3 gene; seq.var. = ?

DNA(specification)—**NTF5 gene;****sequence variation**

name of component: neurotrophin 5 (neurotrophin
4/5)

[NPU37553](#)

DNA(spec.)—NTF5 gene; seq.var. = ?

DNA(specification)—**NTF6A gene;****sequence variation**

name of component: neurotrophin 6, alpha pseudogene

[NPU37554](#)

DNA(spec.)—NTF6A gene; seq.var. = ?

DNA(specification)—**NTF6B gene;****sequence variation**

name of component: neurotrophin 6, beta pseudogene

[NPU37555](#)

DNA(spec.)—NTF6B gene; seq.var. = ?

DNA(specification)—**NTF6G gene;****sequence variation**

name of component: neurotrophin 6, gamma pseudogene

[NPU37556](#)

DNA(spec.)—NTF6G gene; seq.var. = ?

DNA(specification)—**NTHL1 gene;****sequence variation**

name of component: nth endonuclease III-like 1 (E. coli)

[NPU37557](#)

DNA(spec.)—NTHL1 gene; seq.var. = ?

DNA(specification)—**NTN1 gene;****sequence variation**

name of component: netrin 1

[NPU37558](#)

DNA(spec.)—NTN1 gene; seq.var. = ?

DNA(specification)—**NTN2L gene;****sequence variation**

name of component: netrin 2-like (chicken)

[NPU37559](#)

DNA(spec.)—NTN2L gene; seq.var. = ?

DNA(specification)—**NTN4 gene;****sequence variation**

name of component: netrin 4

[NPU42256](#)

DNA(spec.)—NTN4 gene; seq.var. = ?

DNA(specification)—**NTNG1 gene;****sequence variation**

name of component: netrin G1

[NPU42649](#)

DNA(spec.)—NTNG1 gene; seq.var. = ?

DNA(specification)—**NTRK1 gene;****sequence variation**

name of component: neurotrophic tyrosine kinase, receptor, type 1

[NPU37560](#)

DNA(spec.)—NTRK1 gene; seq.var. = ?

DNA(specification)—**NTRK2 gene;****sequence variation**

name of component: neurotrophic tyrosine kinase, receptor, type 2

[NPU37561](#)

DNA(spec.)—NTRK2 gene; seq.var. = ?

DNA(specification)—**NTRK3 gene;****sequence variation**

name of component: neurotrophic tyrosine kinase, receptor, type 3

[NPU37562](#)

DNA(spec.)—NTRK3 gene; seq.var. = ?

DNA(specification)—**NTS gene;****sequence variation**

name of component: neurotensin

[NPU37563](#)

DNA(spec.)—NTS gene; seq.var. = ?

DNA(specification)—**NTSR1 gene;****sequence variation**

name of component: neurotensin receptor 1 (high affinity)

[NPU37564](#)

DNA(spec.)—NTSR1 gene; seq.var. = ?

DNA(specification)—**NTSR2 gene;****sequence variation**

name of component: neurotensin receptor 2

[NPU37565](#)

DNA(spec.)—NTSR2 gene; seq.var. = ?

DNA(specification)—**NUBP1 gene;****sequence variation**

name of component: nucleotide binding protein 1 (MinD homolog, E. coli)

[NPU37566](#)

DNA(spec.)—NUBP1 gene; seq.var. = ?

DNA(specification)—**NUBP2 gene;****sequence variation**

name of component: nucleotide binding protein 2 (MinD homolog, E. coli)

[NPU37567](#)

DNA(spec.)—NUBP2 gene; seq.var. = ?

DNA(specification)—**NUCB1 gene;****sequence variation**

name of component: nucleobindin 1

[NPU37568](#)

DNA(spec.)—NUCB1 gene; seq.var. = ?

DNA(specification)—**NUCB2 gene;****sequence variation**

name of component: nucleobindin 2

[NPU37569](#)

DNA(spec.)—NUCB2 gene; seq.var. = ?

DNA(specification)—**NUDC gene;****sequence variation**

name of component: nuclear distribution gene C homolog (A. nidulans)

[NPU37570](#)

DNA(spec.)—NUDC gene; seq.var. = ?

DNA(specification)—**NUDCP1 gene;****sequence variation**

name of component: nuclear distribution gene C homolog (A. nidulans) pseudogene 1

[NPU37571](#)

DNA(spec.)—NUDCP1 gene; seq.var. = ?

DNA(specification)—**NUDCP2 gene;****sequence variation**

name of component: nuclear distribution gene C homolog (A. nidulans) pseudogene 2

[NPU37572](#)

DNA(spec.)—NUDCP2 gene; seq.var. = ?

DNA(specification)—**NUDT1 gene;****sequence variation**

name of component: nudix (nucleoside diphosphate linked moiety X)-type motif 1

[NPU37573](#)

DNA(spec.)—NUDT1 gene; seq.var. = ?

DNA(specification)—**NUDT10 gene;****sequence variation**

name of component: nudix (nucleoside diphosphate linked moiety X)-type motif 10

[NPU46062](#)

DNA(spec.)—NUDT10 gene; seq.var. = ?

DNA(specification)—**NUDT11 gene;****sequence variation**

name of component: nudix (nucleoside diphosphate linked moiety X)-type motif 11

[NPU46227](#)

DNA(spec.)—NUDT11 gene; seq.var. = ?

DNA(specification)—**NUDT12 gene;****sequence variation**

name of component: nudix (nucleoside diphosphate linked moiety X)-type motif 12

[NPU46687](#)

DNA(spec.)—NUDT12 gene; seq.var. = ?

DNA(specification)—**NUDT13 gene;****sequence variation**

name of component: nudix (nucleoside diphosphate linked moiety X)-type motif 13

[NPU46688](#)

DNA(spec.)—NUDT13 gene; seq.var. = ?

DNA(specification)—**NUDT14 gene;****sequence variation**

name of component: nudix (nucleoside diphosphate linked moiety X)-type motif 14

[NPU47447](#)

DNA(spec.)—NUDT14 gene; seq.var. = ?

DNA(specification)—**NUDT2 gene;****sequence variation**

name of component: nudix (nucleoside diphosphate linked moiety X)-type motif 2

[NPU37574](#)

DNA(spec.)—NUDT2 gene; seq.var. = ?

DNA(specification)—**NUDT3 gene;****sequence variation**

name of component: nudix (nucleoside diphosphate linked moiety X)-type motif 3

[NPU37575](#)

DNA(spec.)—NUDT3 gene; seq.var. = ?

DNA(specification)—**NUDT4 gene;****sequence variation**

name of component: nudix (nucleoside diphosphate linked moiety X)-type motif 4

[NPU37576](#)

DNA(spec.)—NUDT4 gene; seq.var. = ?

DNA(specification)—**NUDT4P1 gene;****sequence variation**

name of component: nudix (nucleoside diphosphate linked moiety X)-type motif 4 pseudogene 1

[NPU46228](#)

DNA(spec.)—NUDT4P1 gene; seq.var. = ?

DNA(specification)—**NUDT4P2 gene;****sequence variation**

name of component: nudix (nucleoside diphosphate linked moiety X)-type motif 4 pseudogene 2

[NPU46229](#)

DNA(spec.)—NUDT4P2 gene; seq.var. = ?

DNA(specification)—**NUDT5 gene;****sequence variation**

name of component: nudix (nucleoside diphosphate linked moiety X)-type motif 5

[NPU37577](#)

DNA(spec.)—NUDT5 gene; seq.var. = ?

DNA(specification)—**NUDT6 gene;****sequence variation**

name of component: nudix (nucleoside diphosphate linked moiety X)-type motif 6

[NPU37578](#)

DNA(spec.)—NUDT6 gene; seq.var. = ?

DNA(specification)—**NUDT7 gene;****sequence variation**

name of component: nudix (nucleoside diphosphate linked moiety X)-type motif 7

[NPU37579](#)

DNA(spec.)—NUDT7 gene; seq.var. = ?

DNA(specification)—**NUDT8 gene;****sequence variation**

name of component: nudix (nucleoside diphosphate linked moiety X)-type motif 8

[NPU37580](#)

DNA(spec.)—NUDT8 gene; seq.var. = ?

DNA(specification)—**NUDT9 gene;****sequence variation**

name of component: nudix (nucleoside diphosphate linked moiety X)-type motif 9

[NPU37581](#)

DNA(spec.)—NUDT9 gene; seq.var. = ?

DNA(specification)—**NUFIP1 gene;****sequence variation**

name of component: nuclear fragile X mental retardation protein interacting protein 1

[NPU37582](#)

DNA(spec.)—NUFIP1 gene; seq.var. = ?

DNA(specification)—**NUFIP1P gene;****sequence variation**

name of component: nuclear fragile X mental retardation protein interacting protein 1 pseudogene

[NPU37583](#)

DNA(spec.)—NUFIP1P gene; seq.var. = ?

DNA(specification)—**NUMA1 gene;****sequence variation**

name of component: nuclear mitotic apparatus protein 1

[NPU37584](#)

DNA(spec.)—NUMA1 gene; seq.var. = ?

DNA(specification)—**NUMB gene;****sequence variation**

name of component: numb homolog (Drosophila)

[NPU37585](#)

DNA(spec.)—NUMB gene; seq.var. = ?

DNA(specification)—**NUMBL gene;****sequence variation**

name of component: numb homolog (Drosophila)-like

[NPU37586](#)

DNA(spec.)—NUMBL gene; seq.var. = ?

DNA(specification)—**NUP133 gene;****sequence variation**

name of component: nucleoporin 133 kDa

[NPU46231](#)

DNA(spec.)—NUP133 gene; seq.var. = ?

DNA(specification)—**NUP153 gene;****sequence variation**

name of component: nucleoporin 153 kDa

[NPU37587](#)

DNA(spec.)—NUP153 gene; seq.var. = ?

DNA(specification)—**NUP155 gene;****sequence variation**

name of component: nucleoporin 155 kDa

[NPU37588](#)

DNA(spec.)—NUP155 gene; seq.var. = ?

DNA(specification)—**NUP160 gene;****sequence variation**

name of component: nucleoporin 160 kDa

[NPU46232](#)

DNA(spec.)—NUP160 gene; seq.var. = ?

DNA(specification)—**NUP214 gene;****sequence variation**

name of component: nucleoporin 214 kDa

[NPU37589](#)

DNA(spec.)—NUP214 gene; seq.var. = ?

DNA(specification)—**NUP43 gene;****sequence variation**

name of component: nucleoporin 43 kDa

[NPU47900](#)

DNA(spec.)—NUP43 gene; seq.var. = ?

DNA(specification)—**NUP50 gene;****sequence variation**

name of component: nucleoporin 50 kDa

[NPU37590](#)

DNA(spec.)—NUP50 gene; seq.var. = ?

DNA(specification)—**NUP50P gene;****sequence variation**

name of component: nucleoporin 50 pseudogene

[NPU47369](#)

DNA(spec.)—NUP50P gene; seq.var. = ?

DNA(specification)—**NUP54 gene;****sequence variation**

name of component: nucleoporin 54 kDa

[NPU46004](#)

DNA(spec.)—NUP54 gene; seq.var. = ?

DNA(specification)—**NUP62 gene;****sequence variation**

name of component: nucleoporin 62 kDa

[NPU37591](#)

DNA(spec.)—NUP62 gene; seq.var. = ?

DNA(specification)—
NUP88 gene;
sequence variation
name of component: nucleoporin 88 kDa
[NPU37592](#)
DNA(spec.)—NUP88 gene; seq.var. = ?

DNA(specification)—
NUP98 gene;
sequence variation
name of component: nucleoporin 98 kDa
[NPU37593](#)
DNA(spec.)—NUP98 gene; seq.var. = ?

DNA(specification)—
NUPL1 gene;
sequence variation
name of component: nucleoporin like 1
[NPU47523](#)
DNA(spec.)—NUPL1 gene; seq.var. = ?

DNA(specification)—
NUTF2 gene;
sequence variation
name of component: nuclear transport factor 2
[NPU42288](#)
DNA(spec.)—NUTF2 gene; seq.var. = ?

DNA(specification)—
NUTF2P2 gene;
sequence variation
name of component: nuclear transport factor 2
pseudogene 2
[NPU47325](#)
DNA(spec.)—NUTF2P2 gene; seq.var. = ?

DNA(specification)—
NVL gene;
sequence variation
name of component: nuclear VCP-like
[NPU37594](#)
DNA(spec.)—NVL gene; seq.var. = ?

DNA(specification)—
NXF1 gene;
sequence variation
name of component: nuclear RNA export factor 1
[NPU37595](#)
DNA(spec.)—NXF1 gene; seq.var. = ?

DNA(specification)—
NXF2 gene;
sequence variation
name of component: nuclear RNA export factor 2
[NPU37596](#)
DNA(spec.)—NXF2 gene; seq.var. = ?

DNA(specification)—
NXF3 gene;
sequence variation
name of component: nuclear RNA export factor 3
[NPU37597](#)
DNA(spec.)—NXF3 gene; seq.var. = ?

DNA(specification)—
NXF4 gene;
sequence variation
name of component: nuclear RNA export factor 4
[NPU37598](#)
DNA(spec.)—NXF4 gene; seq.var. = ?

DNA(specification)—
NXF5 gene;
sequence variation
name of component: nuclear RNA export factor 5
[NPU37599](#)
DNA(spec.)—NXF5 gene; seq.var. = ?

DNA(specification)—
NXN gene;
sequence variation
name of component: nucleoredoxin
[NPU46224](#)
DNA(spec.)—NXN gene; seq.var. = ?

DNA(specification)—
NXPH1 gene;
sequence variation
name of component: neurexophilin 1
[NPU47721](#)
DNA(spec.)—NXPH1 gene; seq.var. = ?

DNA(specification)—
NXPH2 gene;
sequence variation
name of component: neurexophilin 2
[NPU37600](#)
DNA(spec.)—NXPH2 gene; seq.var. = ?

DNA(specification)—
NXPH3 gene;
sequence variation
name of component: neurexophilin 3
[NPU37601](#)
DNA(spec.)—NXPH3 gene; seq.var. = ?

DNA(specification)—
NXPH4 gene;
sequence variation
name of component: neurexophilin 4
[NPU37602](#)
DNA(spec.)—NXPH4 gene; seq.var. = ?

DNA(specification)—**NXT1 gene;****sequence variation**

name of component: NTF2-like export factor 1

[NPU43998](#)

DNA(spec.)—NXT1 gene; seq.var. = ?

DNA(specification)—**NXT2 gene;****sequence variation**

name of component: nuclear transport factor 2-like export factor 2

[NPU46327](#)

DNA(spec.)—NXT2 gene; seq.var. = ?

DNA(specification)—**NYS1 gene;****sequence variation**

name of component: nystagmus 1, congenital

[NPU37603](#)

DNA(spec.)—NYS1 gene; seq.var. = ?

DNA(specification)—**NYS2 gene;****sequence variation**

name of component: nystagmus 2, congenital autosomal dominant

[NPU37604](#)

DNA(spec.)—NYS2 gene; seq.var. = ?

DNA(specification)—**NYS3 gene;****sequence variation**

name of component: nystagmus 3, congenital autosomal dominant

[NPU37605](#)

DNA(spec.)—NYS3 gene; seq.var. = ?

DNA(specification)—**NYS4 gene;****sequence variation**

name of component: nystagmus 4, congenital autosomal dominant

[NPU46913](#)

DNA(spec.)—NYS4 gene; seq.var. = ?

DNA(specification)—**NYX gene;****sequence variation**

name of component: nyctalopin

[NPU37606](#)

DNA(spec.)—NYX gene; seq.var. = ?

DNA(specification)—**NAALAD2 gene;****sequence variation**

name of component: N-acetylated alpha-linked acidic dipeptidase 2

[NPU42835](#)

DNA(spec.)—NAALAD2 gene; seq.var. = ?

DNA(specification)—**OA1 gene;****sequence variation**

name of component: ocular albinism 1 (Nettleship-Falls)

[NPU19160](#)

DNA(spec.)—OA1 gene; seq.var. = ?

DNA(specification)—**OA1P gene;****sequence variation**

name of component: ocular albinism 1 (Nettleship-Falls) Y-linked pseudogene

[NPU46504](#)

DNA(spec.)—OA1P gene; seq.var. = ?

DNA(specification)—**OA3 gene;****sequence variation**

name of component: ocular albinism 3 (autosomal recessive)

[NPU37607](#)

DNA(spec.)—OA3 gene; seq.var. = ?

DNA(specification)—**OAP gene;****sequence variation**

name of component: osteoarthritis, precocious

[NPU37608](#)

DNA(spec.)—OAP gene; seq.var. = ?

DNA(specification)—**OAS1 gene;****sequence variation**

name of component: 2',5'-oligoadenylate synthetase 1, 40/46 kDa

[NPU37609](#)

DNA(spec.)—OAS1 gene; seq.var. = ?

DNA(specification)—**OAS2 gene;****sequence variation**

name of component: 2'-5'-oligoadenylate synthetase 2, 69/71 kDa

[NPU37610](#)

DNA(spec.)—OAS2 gene; seq.var. = ?

DNA(specification)—**OAS3 gene;****sequence variation**

name of component: 2'-5'-oligoadenylate synthetase 3, 100 kDa

[NPU37611](#)

DNA(spec.)—OAS3 gene; seq.var. = ?

DNA(specification)—**OASD gene;****sequence variation**

name of component: ocular albinism and sensorineural deafness

[NPU37612](#)

DNA(spec.)—OASD gene; seq.var. = ?

DNA(specification)—**OASL gene;****sequence variation**

name of component: 2'-5'-oligoadenylate synthetase-like

[NPU37613](#)

DNA(spec.)—OASL gene; seq.var. = ?

DNA(specification)—**OAT gene;****sequence variation**

name of component: ornithine aminotransferase (gyrate atrophy)

[NPU37614](#)

DNA(spec.)—OAT gene; seq.var. = ?

DNA(specification)—**OATL1 gene;****sequence variation**

name of component: ornithine aminotransferase-like 1

[NPU37615](#)

DNA(spec.)—OATL1 gene; seq.var. = ?

DNA(specification)—**OATL2 gene;****sequence variation**

name of component: ornithine aminotransferase-like 2

[NPU37616](#)

DNA(spec.)—OATL2 gene; seq.var. = ?

DNA(specification)—**OATL3 gene;****sequence variation**

name of component: ornithine aminotransferase-like 3 (pseudogene)

[NPU37617](#)

DNA(spec.)—OATL3 gene; seq.var. = ?

DNA(specification)—**OAZ1 gene;****sequence variation**

name of component: ornithine decarboxylase antizyme 1

[NPU37618](#)

DNA(spec.)—OAZ1 gene; seq.var. = ?

DNA(specification)—**OAZ2 gene;****sequence variation**

name of component: ornithine decarboxylase antizyme 2

[NPU37619](#)

DNA(spec.)—OAZ2 gene; seq.var. = ?

DNA(specification)—**OAZ3 gene;****sequence variation**

name of component: ornithine decarboxylase antizyme 3

[NPU37620](#)

DNA(spec.)—OAZ3 gene; seq.var. = ?

DNA(specification)—**OAZIN gene;****sequence variation**

name of component: ornithine decarboxylase antizyme inhibitor

[NPU44433](#)

DNA(spec.)—OAZIN gene; seq.var. = ?

DNA(specification)—**OBSCN gene;****sequence variation**

name of component: obscurin, cytoskeletal calmodulin and titin-interacting RhoGEF

[NPU43850](#)

DNA(spec.)—OBSCN gene; seq.var. = ?

DNA(specification)—**OC90 gene;****sequence variation**

name of component: otoconin 90

[NPU37621](#)

DNA(spec.)—OC90 gene; seq.var. = ?

DNA(specification)—**OCA2 gene;****sequence variation**

name of component: oculocutaneous albinism II (pink-eye dilution homolog, mouse)

[NPU37622](#)

DNA(spec.)—OCA2 gene; seq.var. = ?

DNA(specification)—**OCD1 gene;****sequence variation**

name of component: obsessive-compulsive disorder 1

[NPU37623](#)

DNA(spec.)—OCD1 gene; seq.var. = ?

DNA(specification)—
OCLM gene;
sequence variation
name of component: oculomedin
[NPU37624](#)
DNA(spec.)—OCLM gene; seq.var. = ?

DNA(specification)—
OCLN gene;
sequence variation
name of component: occludin
[NPU37625](#)
DNA(spec.)—OCLN gene; seq.var. = ?

DNA(specification)—
OCM gene;
sequence variation
name of component: oncomodulin
[NPU37626](#)
DNA(spec.)—OCM gene; seq.var. = ?

DNA(specification)—
OCP1 gene;
sequence variation
name of component: organ of Corti protein 1
[NPU37627](#)
DNA(spec.)—OCP1 gene; seq.var. = ?

DNA(specification)—
OCRL gene;
sequence variation
name of component: oculocerebrorenal syndrome of Lowe
[NPU37628](#)
DNA(spec.)—OCRL gene; seq.var. = ?

DNA(specification)—
ODC1 gene;
sequence variation
name of component: ornithine decarboxylase 1
[NPU37629](#)
DNA(spec.)—ODC1 gene; seq.var. = ?

DNA(specification)—
ODCP gene;
sequence variation
name of component: ornithine decarboxylase pseudogene
[NPU37630](#)
DNA(spec.)—ODCP gene; seq.var. = ?

DNA(specification)—
ODD gene;
sequence variation
name of component: odd-skipped homolog (Drosophila)
[NPU37631](#)
DNA(spec.)—ODD gene; seq.var. = ?

DNA(specification)—
ODF1 gene;
sequence variation
name of component: outer dense fiber of sperm tails 1
[NPU37632](#)
DNA(spec.)—ODF1 gene; seq.var. = ?

DNA(specification)—
ODF2 gene;
sequence variation
name of component: outer dense fiber of sperm tails 2
[NPU37633](#)
DNA(spec.)—ODF2 gene; seq.var. = ?

DNA(specification)—
ODF3 gene;
sequence variation
name of component: outer dense fiber of sperm tails 3
[NPU47303](#)
DNA(spec.)—ODF3 gene; seq.var. = ?

DNA(specification)—
ODF4 gene;
sequence variation
name of component: outer dense fiber of sperm tails 4
[NPU46835](#)
DNA(spec.)—ODF4 gene; seq.var. = ?

DNA(specification)—
ODT1 gene;
sequence variation
name of component: oligodontia 1
[NPU37634](#)
DNA(spec.)—ODT1 gene; seq.var. = ?

DNA(specification)—
ODZ1 gene;
sequence variation
name of component: odz, odd Oz/ten-m homolog 1(Drosophila)
[NPU37635](#)
DNA(spec.)—ODZ1 gene; seq.var. = ?

DNA(specification)—
OED gene;
sequence variation
name of component: Oregon eye disease
[NPU37636](#)
DNA(spec.)—OED gene; seq.var. = ?

DNA(specification)—
OFC1 gene;
sequence variation
name of component: orofacial cleft 1
[NPU37637](#)
DNA(spec.)—OFC1 gene; seq.var. = ?

DNA(specification)—**OFC2 gene;****sequence variation**

name of component: orofacial cleft 2

[NPU37638](#)

DNA(spec.)—OFC2 gene; seq.var. = ?

DNA(specification)—**OFC3 gene;****sequence variation**

name of component: orofacial cleft 3

[NPU37639](#)

DNA(spec.)—OFC3 gene; seq.var. = ?

DNA(specification)—**OFCC1 gene;****sequence variation**

name of component: orofacial cleft 1 candidate 1

[NPU47831](#)

DNA(spec.)—OFCC1 gene; seq.var. = ?

DNA(specification)—**OFD1 gene;****sequence variation**

name of component: oral-facial-digital syndrome 1

[NPU32050](#)

DNA(spec.)—OFD1 gene; seq.var. = ?

DNA(specification)—**OGDH gene;****sequence variation**

name of component: oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide)

[NPU37640](#)

DNA(spec.)—OGDH gene; seq.var. = ?

DNA(specification)—**OGFR gene;****sequence variation**

name of component: opioid growth factor receptor

[NPU43885](#)

DNA(spec.)—OGFR gene; seq.var. = ?

DNA(specification)—**OGG1 gene;****sequence variation**

name of component: 8-oxoguanine DNA glycosylase

[NPU37641](#)

DNA(spec.)—OGG1 gene; seq.var. = ?

DNA(specification)—**OGN gene;****sequence variation**

name of component: osteoglycin (osteoinductive factor, mimecan)

[NPU37642](#)

DNA(spec.)—OGN gene; seq.var. = ?

DNA(specification)—**OGT gene;****sequence variation**

name of component: O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase)

[NPU37643](#)

DNA(spec.)—OGT gene; seq.var. = ?

DNA(specification)—**OLFM1 gene;****sequence variation**

name of component: olfactomedin 1

[NPU44907](#)

DNA(spec.)—OLFM1 gene; seq.var. = ?

DNA(specification)—**OLFM2 gene;****sequence variation**

name of component: olfactomedin 2

[NPU44908](#)

DNA(spec.)—OLFM2 gene; seq.var. = ?

DNA(specification)—**OLFM3 gene;****sequence variation**

name of component: olfactomedin 3

[NPU46210](#)

DNA(spec.)—OLFM3 gene; seq.var. = ?

DNA(specification)—**OLFR@ gene;****sequence variation**

name of component: olfactory receptor cluster

[NPU37644](#)

DNA(spec.)—OLFR@ gene; seq.var. = ?

DNA(specification)—**OLIG1 gene;****sequence variation**

name of component: oligodendrocyte transcription factor 1

[NPU44799](#)

DNA(spec.)—OLIG1 gene; seq.var. = ?

DNA(specification)—**OLIG2 gene;****sequence variation**

name of component: oligodendrocyte lineage transcription factor 2

[NPU38703](#)

DNA(spec.)—OLIG2 gene; seq.var. = ?

DNA(specification)—**OLIG3 gene;****sequence variation**

name of component: oligodendrocyte transcription factor 3

[NPU46220](#)

DNA(spec.)—OLIG3 gene; seq.var. = ?

DNA(specification)—**OLR1 gene;****sequence variation**

name of component: oxidised low density lipoprotein (lectin-like) receptor 1

[NPU37645](#)

DNA(spec.)—OLR1 gene; seq.var. = ?

DNA(specification)—**OMD gene;****sequence variation**

name of component: osteomodulin

[NPU37646](#)

DNA(spec.)—OMD gene; seq.var. = ?

DNA(specification)—**OMG gene;****sequence variation**

name of component: oligodendrocyte myelin glycoprotein

[NPU37647](#)

DNA(spec.)—OMG gene; seq.var. = ?

DNA(specification)—**OMP gene;****sequence variation**

name of component: olfactory marker protein

[NPU37648](#)

DNA(spec.)—OMP gene; seq.var. = ?

DNA(specification)—**ONECUT1 gene;****sequence variation**

name of component: one cut domain, family member 1

[NPU37649](#)

DNA(spec.)—ONECUT1 gene; seq.var. = ?

DNA(specification)—**ONECUT2 gene;****sequence variation**

name of component: one cut domain, family member 2

[NPU37650](#)

DNA(spec.)—ONECUT2 gene; seq.var. = ?

DNA(specification)—**ONECUT3 gene;****sequence variation**

name of component: one cut domain, family member 3

[NPU42115](#)

DNA(spec.)—ONECUT3 gene; seq.var. = ?

DNA(specification)—**OPA1 gene;****sequence variation**

name of component: optic atrophy 1 (autosomal dominant)

[NPU37651](#)

DNA(spec.)—OPA1 gene; seq.var. = ?

DNA(specification)—**OPA2 gene;****sequence variation**

name of component: optic atrophy 2 (obscure)

[NPU37652](#)

DNA(spec.)—OPA2 gene; seq.var. = ?

DNA(specification)—**OPA3 gene;****sequence variation**

name of component: optic atrophy 3 (autosomal recessive, with chorea and spastic paraplegia)

[NPU37653](#)

DNA(spec.)—OPA3 gene; seq.var. = ?

DNA(specification)—**OPCML gene;****sequence variation**

name of component: opioid binding protein/cell adhesion molecule-like

[NPU37654](#)

DNA(spec.)—OPCML gene; seq.var. = ?

DNA(specification)—**OPD1 gene;****sequence variation**

name of component: otopalatodigital syndrome 1

[NPU37655](#)

DNA(spec.)—OPD1 gene; seq.var. = ?

DNA(specification)—**OPD2 gene;****sequence variation**

name of component: otopalatodigital syndrome 2

[NPU37656](#)

DNA(spec.)—OPD2 gene; seq.var. = ?

DNA(specification)—**OPEM gene;****sequence variation**

name of component: ophthalmoplegia, external, with myopia

[NPU37657](#)

DNA(spec.)—OPEM gene; seq.var. = ?

DNA(specification)—**OPHN1 gene;****sequence variation**

name of component: oligophrenin 1

[NPU37658](#)

DNA(spec.)—OPHN1 gene; seq.var. = ?

DNA(specification)—**OPHN1P1 gene;****sequence variation**

name of component: oligophrenin 1 pseudogene 1

[NPU46975](#)

DNA(spec.)—OPHN1P1 gene; seq.var. = ?

DNA(specification)—**OPLAH gene;****sequence variation**

name of component: 5-oxoprolinase (ATP-hydrolysing)

[NPU37659](#)

DNA(spec.)—OPLAH gene; seq.var. = ?

DNA(specification)—**OPN1LW gene;****sequence variation**

name of component: opsin 1 (cone pigments), long-wave-sensitive (color blindness, protan)

[NPU39161](#)

DNA(spec.)—OPN1LW gene; seq.var. = ?

DNA(specification)—**OPN1MW gene;****sequence variation**

name of component: opsin 1 (cone pigments), medium-wave-sensitive (color blindness, deutan)

[NPU33382](#)

DNA(spec.)—OPN1MW gene; seq.var. = ?

DNA(specification)—**OPN1SW gene;****sequence variation**

name of component: opsin 1 (cone pigments), short-wave-sensitive (color blindness, tritan)

[NPU30818](#)

DNA(spec.)—OPN1SW gene; seq.var. = ?

DNA(specification)—**OPN3 gene;****sequence variation**

name of component: opsin 3 (encephalopsin, panopsin)

[NPU42443](#)

DNA(spec.)—OPN3 gene; seq.var. = ?

DNA(specification)—**OPN4 gene;****sequence variation**

name of component: opsin 4 (melanopsin)

[NPU42764](#)

DNA(spec.)—OPN4 gene; seq.var. = ?

DNA(specification)—**OPRD1 gene;****sequence variation**

name of component: opioid receptor, delta 1

[NPU37660](#)

DNA(spec.)—OPRD1 gene; seq.var. = ?

DNA(specification)—**OPRK1 gene;****sequence variation**

name of component: opioid receptor, kappa 1

[NPU37661](#)

DNA(spec.)—OPRK1 gene; seq.var. = ?

DNA(specification)—**OPRL1 gene;****sequence variation**

name of component: opiate receptor-like 1

[NPU37662](#)

DNA(spec.)—OPRL1 gene; seq.var. = ?

DNA(specification)—**OPRM1 gene;****sequence variation**

name of component: opioid receptor, mu 1

[NPU37663](#)

DNA(spec.)—OPRM1 gene; seq.var. = ?

DNA(specification)—**OPRS1 gene;****sequence variation**

name of component: opioid receptor, sigma 1

[NPU37664](#)

DNA(spec.)—OPRS1 gene; seq.var. = ?

DNA(specification)—**OPTC gene;****sequence variation**

name of component: opticin

[NPU37665](#)

DNA(spec.)—OPTC gene; seq.var. = ?

DNA(specification)—**OPTN gene;****sequence variation**

name of component: optineurin

[NPU44878](#)

DNA(spec.)—OPTN gene; seq.var. = ?

DNA(specification)—**OR10A1 gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily A, member 1

[NPU37666](#)

DNA(spec.)—OR10A1 gene; seq.var. = ?

DNA(specification)—**OR10A2P gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily A, member 2 pseudogene

[NPU37667](#)

DNA(spec.)—OR10A2P gene; seq.var. = ?

DNA(specification)—**OR10A3 gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily A, member 3

[NPU37668](#)

DNA(spec.)—OR10A3 gene; seq.var. = ?

DNA(specification)—**OR10A4P gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily A, member 4 pseudogene

[NPU43356](#)

DNA(spec.)—OR10A4P gene; seq.var. = ?

DNA(specification)—**OR10A5 gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily A, member 5

[NPU43357](#)

DNA(spec.)—OR10A5 gene; seq.var. = ?

DNA(specification)—**OR10A6 gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily A, member 6

[NPU43358](#)

DNA(spec.)—OR10A6 gene; seq.var. = ?

DNA(specification)—**OR10A7 gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily A, member 7

[NPU43555](#)

DNA(spec.)—OR10A7 gene; seq.var. = ?

DNA(specification)—**OR10AB1P gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily AB, member 1 pseudogene

[NPU43064](#)

DNA(spec.)—OR10AB1P gene; seq.var. = ?

DNA(specification)—**OR10AC1P gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily AC, member 1 pseudogene

[NPU43019](#)

DNA(spec.)—OR10AC1P gene; seq.var. = ?

DNA(specification)—**OR10AD1 gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily AD, member 1

[NPU43079](#)

DNA(spec.)—OR10AD1 gene; seq.var. = ?

DNA(specification)—**OR10AE1P gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily AE, member 1 pseudogene

[NPU43227](#)

DNA(spec.)—OR10AE1P gene; seq.var. = ?

DNA(specification)—**OR10AE2P gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily AE, member 2 pseudogene

[NPU47121](#)

DNA(spec.)—OR10AE2P gene; seq.var. = ?

DNA(specification)—**OR10AF1P gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily AF, member 1 pseudogene

[NPU47091](#)

DNA(spec.)—OR10AF1P gene; seq.var. = ?

DNA(specification)—**OR10AG1 gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily AG, member 1

[NPU47092](#)

DNA(spec.)—OR10AG1 gene; seq.var. = ?

DNA(specification)—**OR10AH1P gene;****sequence variation**

name of component: olfactory receptor, family 10,
subfamily AH, member 1 pseudogene

[NPU47127](#)

DNA(spec.)—OR10AH1P gene; seq.var. = ?

DNA(specification)—**OR10B1P gene;****sequence variation**

name of component: olfactory receptor, family 10,
subfamily B, member 1 pseudogene

[NPU37669](#)

DNA(spec.)—OR10B1P gene; seq.var. = ?

DNA(specification)—**OR10C1 gene;****sequence variation**

name of component: olfactory receptor, family 10,
subfamily C, member 1

[NPU37670](#)

DNA(spec.)—OR10C1 gene; seq.var. = ?

DNA(specification)—**OR10D1P gene;****sequence variation**

name of component: olfactory receptor, family 10,
subfamily D, member 1 pseudogene

[NPU37671](#)

DNA(spec.)—OR10D1P gene; seq.var. = ?

DNA(specification)—**OR10D3P gene;****sequence variation**

name of component: olfactory receptor, family 10,
subfamily D, member 3 pseudogene

[NPU37672](#)

DNA(spec.)—OR10D3P gene; seq.var. = ?

DNA(specification)—**OR10D4 gene;****sequence variation**

name of component: olfactory receptor, family 10,
subfamily D, member 4

[NPU43031](#)

DNA(spec.)—OR10D4 gene; seq.var. = ?

DNA(specification)—**OR10D5P gene;****sequence variation**

name of component: olfactory receptor, family 10,
subfamily D, member 5 pseudogene

[NPU43098](#)

DNA(spec.)—OR10D5P gene; seq.var. = ?

DNA(specification)—**OR10D6P gene;****sequence variation**

name of component: olfactory receptor, family 10,
subfamily D, member 6 pseudogene

[NPU43359](#)

DNA(spec.)—OR10D6P gene; seq.var. = ?

DNA(specification)—**OR10G1P gene;****sequence variation**

name of component: olfactory receptor, family 10,
subfamily G, member 1 pseudogene

[NPU37673](#)

DNA(spec.)—OR10G1P gene; seq.var. = ?

DNA(specification)—**OR10G2 gene;****sequence variation**

name of component: olfactory receptor, family 10,
subfamily G, member 2

[NPU37674](#)

DNA(spec.)—OR10G2 gene; seq.var. = ?

DNA(specification)—**OR10G3 gene;****sequence variation**

name of component: olfactory receptor, family 10,
subfamily G, member 3

[NPU37675](#)

DNA(spec.)—OR10G3 gene; seq.var. = ?

DNA(specification)—**OR10G4 gene;****sequence variation**

name of component: olfactory receptor, family 10,
subfamily G, member 4

[NPU43069](#)

DNA(spec.)—OR10G4 gene; seq.var. = ?

DNA(specification)—**OR10G5P gene;****sequence variation**

name of component: olfactory receptor, family 10,
subfamily G, member 5 pseudogene

[NPU43071](#)

DNA(spec.)—OR10G5P gene; seq.var. = ?

DNA(specification)—**OR10G6P gene;****sequence variation**

name of component: olfactory receptor, family 10,
subfamily G, member 6 pseudogene

[NPU43096](#)

DNA(spec.)—OR10G6P gene; seq.var. = ?

DNA(specification)—**OR10G7 gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily G, member 7

[NPU43102](#)

DNA(spec.)—OR10G7 gene; seq.var. = ?

DNA(specification)—**OR10G8 gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily G, member 8

[NPU43105](#)

DNA(spec.)—OR10G8 gene; seq.var. = ?

DNA(specification)—**OR10G9 gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily G, member 9

[NPU43355](#)

DNA(spec.)—OR10G9 gene; seq.var. = ?

DNA(specification)—**OR10H1 gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily H, member 1

[NPU37676](#)

DNA(spec.)—OR10H1 gene; seq.var. = ?

DNA(specification)—**OR10H2 gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily H, member 2

[NPU37677](#)

DNA(spec.)—OR10H2 gene; seq.var. = ?

DNA(specification)—**OR10H3 gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily H, member 3

[NPU37678](#)

DNA(spec.)—OR10H3 gene; seq.var. = ?

DNA(specification)—**OR10H4 gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily H, member 4

[NPU43614](#)

DNA(spec.)—OR10H4 gene; seq.var. = ?

DNA(specification)—**OR10H5 gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily H, member 5

[NPU43615](#)

DNA(spec.)—OR10H5 gene; seq.var. = ?

DNA(specification)—**OR10J1 gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily J, member 1

[NPU37679](#)

DNA(spec.)—OR10J1 gene; seq.var. = ?

DNA(specification)—**OR10J2P gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily J, member 2 pseudogene

[NPU43228](#)

DNA(spec.)—OR10J2P gene; seq.var. = ?

DNA(specification)—**OR10J3P gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily J, member 3 pseudogene

[NPU43229](#)

DNA(spec.)—OR10J3P gene; seq.var. = ?

DNA(specification)—**OR10J4P gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily J, member 4 pseudogene

[NPU43630](#)

DNA(spec.)—OR10J4P gene; seq.var. = ?

DNA(specification)—**OR10J5 gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily J, member 5

[NPU43230](#)

DNA(spec.)—OR10J5 gene; seq.var. = ?

DNA(specification)—**OR10J6 gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily J, member 6

[NPU43231](#)

DNA(spec.)—OR10J6 gene; seq.var. = ?

DNA(specification)—**OR10J7P gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily J, member 7 pseudogene

[NPU47118](#)

DNA(spec.)—OR10J7P gene; seq.var. = ?

DNA(specification)—**OR10J8P gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily J, member 8 pseudogene

[NPU47119](#)

DNA(spec.)—OR10J8P gene; seq.var. = ?

DNA(specification)—**OR10J9P gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily J, member 9 pseudogene

[NPU47120](#)

DNA(spec.)—OR10J9P gene; seq.var. = ?

DNA(specification)—**OR10K1 gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily K, member 1

[NPU42955](#)

DNA(spec.)—OR10K1 gene; seq.var. = ?

DNA(specification)—**OR10K2 gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily K, member 2

[NPU43086](#)

DNA(spec.)—OR10K2 gene; seq.var. = ?

DNA(specification)—**OR10N1P gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily N, member 1 pseudogene

[NPU42951](#)

DNA(spec.)—OR10N1P gene; seq.var. = ?

DNA(specification)—**OR10P1P gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily P, member 1 pseudogene

[NPU43604](#)

DNA(spec.)—OR10P1P gene; seq.var. = ?

DNA(specification)—**OR10P2P gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily P, member 2 pseudogene

[NPU43556](#)

DNA(spec.)—OR10P2P gene; seq.var. = ?

DNA(specification)—**OR10P3P gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily P, member 3 pseudogene

[NPU43557](#)

DNA(spec.)—OR10P3P gene; seq.var. = ?

DNA(specification)—**OR10Q1 gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily Q, member 1

[NPU43360](#)

DNA(spec.)—OR10Q1 gene; seq.var. = ?

DNA(specification)—**OR10Q2P gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily Q, member 2 pseudogene

[NPU43361](#)

DNA(spec.)—OR10Q2P gene; seq.var. = ?

DNA(specification)—**OR10R1P gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily R, member 1 pseudogene

[NPU43073](#)

DNA(spec.)—OR10R1P gene; seq.var. = ?

DNA(specification)—**OR10R2 gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily R, member 2

[NPU43080](#)

DNA(spec.)—OR10R2 gene; seq.var. = ?

DNA(specification)—**OR10R3P gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily R, member 3 pseudogene

[NPU43089](#)

DNA(spec.)—OR10R3P gene; seq.var. = ?

DNA(specification)—**OR10S1 gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily S, member 1

[NPU43067](#)

DNA(spec.)—OR10S1 gene; seq.var. = ?

DNA(specification)—**OR10T1P gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily T, member 1 pseudogene

[NPU43072](#)

DNA(spec.)—OR10T1P gene; seq.var. = ?

DNA(specification)—**OR10T2 gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily T, member 2

[NPU43076](#)

DNA(spec.)—OR10T2 gene; seq.var. = ?

DNA(specification)—**OR10U1P gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily U, member 1 pseudogene

[NPU43558](#)

DNA(spec.)—OR10U1P gene; seq.var. = ?

DNA(specification)—**OR10V1 gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily V, member 1

[NPU43362](#)

DNA(spec.)—OR10V1 gene; seq.var. = ?

DNA(specification)—**OR10V2P gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily V, member 2 pseudogene

[NPU43363](#)

DNA(spec.)—OR10V2P gene; seq.var. = ?

DNA(specification)—**OR10V3P gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily V, member 3 pseudogene

[NPU43364](#)

DNA(spec.)—OR10V3P gene; seq.var. = ?

DNA(specification)—**OR10W1P gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily W, member 1 pseudogene

[NPU43365](#)

DNA(spec.)—OR10W1P gene; seq.var. = ?

DNA(specification)—**OR10X1P gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily X, member 1 pseudogene

[NPU43232](#)

DNA(spec.)—OR10X1P gene; seq.var. = ?

DNA(specification)—**OR10Y1P gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily Y, member 1 pseudogene

[NPU43366](#)

DNA(spec.)—OR10Y1P gene; seq.var. = ?

DNA(specification)—**OR10Z1 gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily Z, member 1

[NPU43233](#)

DNA(spec.)—OR10Z1 gene; seq.var. = ?

DNA(specification)—**OR10AA1P gene;****sequence variation**

name of component: olfactory receptor, family 10, subfamily AA, member 1 pseudogene

[NPU43226](#)

DNA(spec.)—OR10AA1P gene; seq.var. = ?

DNA(specification)—**OR11A1 gene;****sequence variation**

name of component: olfactory receptor, family 11, subfamily A, member 1

[NPU37680](#)

DNA(spec.)—OR11A1 gene; seq.var. = ?

DNA(specification)—**OR11G1P gene;****sequence variation**

name of component: olfactory receptor, family 11, subfamily G, member 1 pseudogene

[NPU43571](#)

DNA(spec.)—OR11G1P gene; seq.var. = ?

DNA(specification)—**OR11G2 gene;****sequence variation**

name of component: olfactory receptor, family 11,
subfamily G, member 2

[NPU43572](#)

DNA(spec.)—OR11G2 gene; seq.var. = ?

DNA(specification)—**OR11H1 gene;****sequence variation**

name of component: olfactory receptor, family 11,
subfamily H, member 1

[NPU43626](#)

DNA(spec.)—OR11H1 gene; seq.var. = ?

DNA(specification)—**OR11H2P gene;****sequence variation**

name of component: olfactory receptor, family 11,
subfamily H, member 2 pseudogene

[NPU42977](#)

DNA(spec.)—OR11H2P gene; seq.var. = ?

DNA(specification)—**OR11H3P gene;****sequence variation**

name of component: olfactory receptor, family 11,
subfamily H, member 3 pseudogene

[NPU43593](#)

DNA(spec.)—OR11H3P gene; seq.var. = ?

DNA(specification)—**OR11H4 gene;****sequence variation**

name of component: olfactory receptor, family 11,
subfamily H, member 4

[NPU43573](#)

DNA(spec.)—OR11H4 gene; seq.var. = ?

DNA(specification)—**OR11H5P gene;****sequence variation**

name of component: olfactory receptor, family 11,
subfamily H, member 5 pseudogene

[NPU43574](#)

DNA(spec.)—OR11H5P gene; seq.var. = ?

DNA(specification)—**OR11H6 gene;****sequence variation**

name of component: olfactory receptor, family 11,
subfamily H, member 6

[NPU43575](#)

DNA(spec.)—OR11H6 gene; seq.var. = ?

DNA(specification)—**OR11H7P gene;****sequence variation**

name of component: olfactory receptor, family 11,
subfamily H, member 7 pseudogene

[NPU43576](#)

DNA(spec.)—OR11H7P gene; seq.var. = ?

DNA(specification)—**OR11H8P gene;****sequence variation**

name of component: olfactory receptor, family 11,
subfamily H, member 8 pseudogene

[NPU47039](#)

DNA(spec.)—OR11H8P gene; seq.var. = ?

DNA(specification)—**OR11I1P gene;****sequence variation**

name of component: olfactory receptor, family 11,
subfamily I, member 1 pseudogene

[NPU43234](#)

DNA(spec.)—OR11I1P gene; seq.var. = ?

DNA(specification)—**OR11I2P gene;****sequence variation**

name of component: olfactory receptor, family 11,
subfamily I, member 2 pseudogene

[NPU43594](#)

DNA(spec.)—OR11I2P gene; seq.var. = ?

DNA(specification)—**OR11J1P gene;****sequence variation**

name of component: olfactory receptor, family 11,
subfamily J, member 1 pseudogene

[NPU43595](#)

DNA(spec.)—OR11J1P gene; seq.var. = ?

DNA(specification)—**OR11J2P gene;****sequence variation**

name of component: olfactory receptor, family 11,
subfamily J, member 2 pseudogene

[NPU43596](#)

DNA(spec.)—OR11J2P gene; seq.var. = ?

DNA(specification)—**OR11K1P gene;****sequence variation**

name of component: olfactory receptor, family 11,
subfamily K, member 1 pseudogene

[NPU43597](#)

DNA(spec.)—OR11K1P gene; seq.var. = ?

DNA(specification)—**OR11K2P gene;****sequence variation**

name of component: olfactory receptor, family 11, subfamily K, member 2 pseudogene

[NPU47116](#)

DNA(spec.)—OR11K2P gene; seq.var. = ?

DNA(specification)—**OR11L1 gene;****sequence variation**

name of component: olfactory receptor, family 11, subfamily L, member 1

[NPU43235](#)

DNA(spec.)—OR11L1 gene; seq.var. = ?

DNA(specification)—**OR11M1P gene;****sequence variation**

name of component: olfactory receptor, family 11, subfamily M, member 1 pseudogene

[NPU43559](#)

DNA(spec.)—OR11M1P gene; seq.var. = ?

DNA(specification)—**OR11N1P gene;****sequence variation**

name of component: olfactory receptor, family 11, subfamily N, member 1 pseudogene

[NPU47072](#)

DNA(spec.)—OR11N1P gene; seq.var. = ?

DNA(specification)—**OR11P1P gene;****sequence variation**

name of component: olfactory receptor, family 11, subfamily P, member 1 pseudogene

[NPU47117](#)

DNA(spec.)—OR11P1P gene; seq.var. = ?

DNA(specification)—**OR12D1P gene;****sequence variation**

name of component: olfactory receptor, family 12, subfamily D, member 1 pseudogene

[NPU37681](#)

DNA(spec.)—OR12D1P gene; seq.var. = ?

DNA(specification)—**OR12D2 gene;****sequence variation**

name of component: olfactory receptor, family 12, subfamily D, member 2

[NPU37682](#)

DNA(spec.)—OR12D2 gene; seq.var. = ?

DNA(specification)—**OR12D3 gene;****sequence variation**

name of component: olfactory receptor, family 12, subfamily D, member 3

[NPU42417](#)

DNA(spec.)—OR12D3 gene; seq.var. = ?

DNA(specification)—**OR13A1 gene;****sequence variation**

name of component: olfactory receptor, family 13, subfamily A, member 1

[NPU43033](#)

DNA(spec.)—OR13A1 gene; seq.var. = ?

DNA(specification)—**OR13C1P gene;****sequence variation**

name of component: olfactory receptor, family 13, subfamily C, member 1 pseudogene

[NPU42961](#)

DNA(spec.)—OR13C1P gene; seq.var. = ?

DNA(specification)—**OR13C2 gene;****sequence variation**

name of component: olfactory receptor, family 13, subfamily C, member 2

[NPU42963](#)

DNA(spec.)—OR13C2 gene; seq.var. = ?

DNA(specification)—**OR13C3 gene;****sequence variation**

name of component: olfactory receptor, family 13, subfamily C, member 3

[NPU42966](#)

DNA(spec.)—OR13C3 gene; seq.var. = ?

DNA(specification)—**OR13C4 gene;****sequence variation**

name of component: olfactory receptor, family 13, subfamily C, member 4

[NPU42983](#)

DNA(spec.)—OR13C4 gene; seq.var. = ?

DNA(specification)—**OR13C5 gene;****sequence variation**

name of component: olfactory receptor, family 13, subfamily C, member 5

[NPU43327](#)

DNA(spec.)—OR13C5 gene; seq.var. = ?

DNA(specification)—**OR13C6P gene;****sequence variation**

name of component: olfactory receptor, family 13, subfamily C, member 6 pseudogene

[NPU43328](#)

DNA(spec.)—OR13C6P gene; seq.var. = ?

DNA(specification)—**OR13C7P gene;****sequence variation**

name of component: olfactory receptor, family 13, subfamily C, member 7 pseudogene

[NPU43329](#)

DNA(spec.)—OR13C7P gene; seq.var. = ?

DNA(specification)—**OR13C8 gene;****sequence variation**

name of component: olfactory receptor, family 13, subfamily C, member 8

[NPU43330](#)

DNA(spec.)—OR13C8 gene; seq.var. = ?

DNA(specification)—**OR13C9 gene;****sequence variation**

name of component: olfactory receptor, family 13, subfamily C, member 9

[NPU43331](#)

DNA(spec.)—OR13C9 gene; seq.var. = ?

DNA(specification)—**OR13D1 gene;****sequence variation**

name of component: olfactory receptor, family 13, subfamily D, member 1

[NPU42957](#)

DNA(spec.)—OR13D1 gene; seq.var. = ?

DNA(specification)—**OR13D2P gene;****sequence variation**

name of component: olfactory receptor, family 13, subfamily D, member 2 pseudogene

[NPU43332](#)

DNA(spec.)—OR13D2P gene; seq.var. = ?

DNA(specification)—**OR13D3P gene;****sequence variation**

name of component: olfactory receptor, family 13, subfamily D, member 3 pseudogene

[NPU43333](#)

DNA(spec.)—OR13D3P gene; seq.var. = ?

DNA(specification)—**OR13E1P gene;****sequence variation**

name of component: olfactory receptor, family 13, subfamily E, member 1 pseudogene

[NPU43334](#)

DNA(spec.)—OR13E1P gene; seq.var. = ?

DNA(specification)—**OR13E2 gene;****sequence variation**

name of component: olfactory receptor, family 13, subfamily E, member 2

[NPU43631](#)

DNA(spec.)—OR13E2 gene; seq.var. = ?

DNA(specification)—**OR13F1 gene;****sequence variation**

name of component: olfactory receptor, family 13, subfamily F, member 1

[NPU42984](#)

DNA(spec.)—OR13F1 gene; seq.var. = ?

DNA(specification)—**OR13G1 gene;****sequence variation**

name of component: olfactory receptor, family 13, subfamily G, member 1

[NPU43236](#)

DNA(spec.)—OR13G1 gene; seq.var. = ?

DNA(specification)—**OR13H1 gene;****sequence variation**

name of component: olfactory receptor, family 13, subfamily H, member 1

[NPU43016](#)

DNA(spec.)—OR13H1 gene; seq.var. = ?

DNA(specification)—**OR13I1P gene;****sequence variation**

name of component: olfactory receptor, family 13, subfamily I, member 1 pseudogene

[NPU42993](#)

DNA(spec.)—OR13I1P gene; seq.var. = ?

DNA(specification)—**OR13I2P gene;****sequence variation**

name of component: olfactory receptor, family 131, subfamily I, member 2 pseudogene

[NPU47041](#)

DNA(spec.)—OR13I2P gene; seq.var. = ?

DNA(specification)—**OR13J1 gene;****sequence variation**

name of component: olfactory receptor, family 13, subfamily J, member 1

[NPU43335](#)

DNA(spec.)—OR13J1 gene; seq.var. = ?

DNA(specification)—**OR13K1P gene;****sequence variation**

name of component: olfactory receptor, family 13, subfamily K, member 1 pseudogene

[NPU42982](#)

DNA(spec.)—OR13K1P gene; seq.var. = ?

DNA(specification)—**OR1A1 gene;****sequence variation**

name of component: olfactory receptor, family 1, subfamily A, member 1

[NPU37683](#)

DNA(spec.)—OR1A1 gene; seq.var. = ?

DNA(specification)—**OR1A2 gene;****sequence variation**

name of component: olfactory receptor, family 1, subfamily A, member 2

[NPU37684](#)

DNA(spec.)—OR1A2 gene; seq.var. = ?

DNA(specification)—**OR1AB1P gene;****sequence variation**

name of component: olfactory receptor, family 1, subfamily AB, member 1 pseudogene

[NPU43616](#)

DNA(spec.)—OR1AB1P gene; seq.var. = ?

DNA(specification)—**OR1B1 gene;****sequence variation**

name of component: olfactory receptor, family 1, subfamily B, member 1

[NPU37685](#)

DNA(spec.)—OR1B1 gene; seq.var. = ?

DNA(specification)—**OR1C1 gene;****sequence variation**

name of component: olfactory receptor, family 1, subfamily C, member 1

[NPU37686](#)

DNA(spec.)—OR1C1 gene; seq.var. = ?

DNA(specification)—**OR1D2 gene;****sequence variation**

name of component: olfactory receptor, family 1, subfamily D, member 2

[NPU37687](#)

DNA(spec.)—OR1D2 gene; seq.var. = ?

DNA(specification)—**OR1D3P gene;****sequence variation**

name of component: olfactory receptor, family 1, subfamily D, member 3 pseudogene

[NPU37688](#)

DNA(spec.)—OR1D3P gene; seq.var. = ?

DNA(specification)—**OR1D4 gene;****sequence variation**

name of component: olfactory receptor, family 1, subfamily D, member 4

[NPU37689](#)

DNA(spec.)—OR1D4 gene; seq.var. = ?

DNA(specification)—**OR1D5 gene;****sequence variation**

name of component: olfactory receptor, family 1, subfamily D, member 5

[NPU37690](#)

DNA(spec.)—OR1D5 gene; seq.var. = ?

DNA(specification)—**OR1D6P gene;****sequence variation**

name of component: olfactory receptor, family 1, subfamily D, member 6 pseudogene

[NPU37691](#)

DNA(spec.)—OR1D6P gene; seq.var. = ?

DNA(specification)—**OR1E1 gene;****sequence variation**

name of component: olfactory receptor, family 1, subfamily E, member 1

[NPU37692](#)

DNA(spec.)—OR1E1 gene; seq.var. = ?

DNA(specification)—**OR1E2 gene;****sequence variation**

name of component: olfactory receptor, family 1, subfamily E, member 2

[NPU37693](#)

DNA(spec.)—OR1E2 gene; seq.var. = ?

DNA(specification)—**OR1E3P gene;****sequence variation**

name of component: olfactory receptor, family 1, subfamily E, member 3 pseudogene

[NPU37694](#)

DNA(spec.)—OR1E3P gene; seq.var. = ?

DNA(specification)—**OR1E5 gene;****sequence variation**

name of component: olfactory receptor, family 1, subfamily E, member 5

[NPU37695](#)

DNA(spec.)—OR1E5 gene; seq.var. = ?

DNA(specification)—**OR1E6 gene;****sequence variation**

name of component: olfactory receptor, family 1, subfamily E, member 6

[NPU43296](#)

DNA(spec.)—OR1E6 gene; seq.var. = ?

DNA(specification)—**OR1E7 gene;****sequence variation**

name of component: olfactory receptor, family 1, subfamily E, member 7

[NPU43632](#)

DNA(spec.)—OR1E7 gene; seq.var. = ?

DNA(specification)—**OR1E8P gene;****sequence variation**

name of component: olfactory receptor, family 1, subfamily E, member 8 pseudogene

[NPU43633](#)

DNA(spec.)—OR1E8P gene; seq.var. = ?

DNA(specification)—**OR1E9P gene;****sequence variation**

name of component: olfactory receptor, family 1, subfamily E, member 9 pseudogene

[NPU43609](#)

DNA(spec.)—OR1E9P gene; seq.var. = ?

DNA(specification)—**OR1F1 gene;****sequence variation**

name of component: olfactory receptor, family 1, subfamily F, member 1

[NPU37696](#)

DNA(spec.)—OR1F1 gene; seq.var. = ?

DNA(specification)—**OR1F10 gene;****sequence variation**

name of component: olfactory receptor, family 1, subfamily F, member 10

[NPU43280](#)

DNA(spec.)—OR1F10 gene; seq.var. = ?

DNA(specification)—**OR1F11 gene;****sequence variation**

name of component: olfactory receptor, family 1, subfamily F, member 11

[NPU37697](#)

DNA(spec.)—OR1F11 gene; seq.var. = ?

DNA(specification)—**OR1F12 gene;****sequence variation**

name of component: olfactory receptor, family 1, subfamily F, member 12

[NPU42418](#)

DNA(spec.)—OR1F12 gene; seq.var. = ?

DNA(specification)—**OR1F13P gene;****sequence variation**

name of component: olfactory receptor, family 1, subfamily F, member 13 pseudogene

[NPU43291](#)

DNA(spec.)—OR1F13P gene; seq.var. = ?

DNA(specification)—**OR1F2 gene;****sequence variation**

name of component: olfactory receptor, family 1, subfamily F, member 2

[NPU37698](#)

DNA(spec.)—OR1F2 gene; seq.var. = ?

DNA(specification)—**OR1G1 gene;****sequence variation**

name of component: olfactory receptor, family 1, subfamily G, member 1

[NPU37699](#)

DNA(spec.)—OR1G1 gene; seq.var. = ?

DNA(specification)—**OR1H1P gene;****sequence variation**

name of component: olfactory receptor, family 1, subfamily H, member 1 pseudogene

[NPU37700](#)

DNA(spec.)—OR1H1P gene; seq.var. = ?

DNA(specification)—**OR1I1 gene;****sequence variation**

name of component: olfactory receptor, family 1,
subfamily I, member 1

[NPU37701](#)

DNA(spec.)—OR1I1 gene; seq.var. = ?

DNA(specification)—**OR1J1 gene;****sequence variation**

name of component: olfactory receptor, family 1,
subfamily J, member 1

[NPU37702](#)

DNA(spec.)—OR1J1 gene; seq.var. = ?

DNA(specification)—**OR1J2 gene;****sequence variation**

name of component: olfactory receptor, family 1,
subfamily J, member 2

[NPU37703](#)

DNA(spec.)—OR1J2 gene; seq.var. = ?

DNA(specification)—**OR1J4 gene;****sequence variation**

name of component: olfactory receptor, family 1,
subfamily J, member 4

[NPU37704](#)

DNA(spec.)—OR1J4 gene; seq.var. = ?

DNA(specification)—**OR1J5 gene;****sequence variation**

name of component: olfactory receptor, family 1,
subfamily J, member 5

[NPU43336](#)

DNA(spec.)—OR1J5 gene; seq.var. = ?

DNA(specification)—**OR1K1 gene;****sequence variation**

name of component: olfactory receptor, family 1,
subfamily K, member 1

[NPU37705](#)

DNA(spec.)—OR1K1 gene; seq.var. = ?

DNA(specification)—**OR1L1 gene;****sequence variation**

name of component: olfactory receptor, family 1,
subfamily L, member 1

[NPU37706](#)

DNA(spec.)—OR1L1 gene; seq.var. = ?

DNA(specification)—**OR1L3 gene;****sequence variation**

name of component: olfactory receptor, family 1,
subfamily L, member 3

[NPU37707](#)

DNA(spec.)—OR1L3 gene; seq.var. = ?

DNA(specification)—**OR1L4 gene;****sequence variation**

name of component: olfactory receptor, family 1,
subfamily L, member 4

[NPU37708](#)

DNA(spec.)—OR1L4 gene; seq.var. = ?

DNA(specification)—**OR1L6 gene;****sequence variation**

name of component: olfactory receptor, family 1,
subfamily L, member 6

[NPU37709](#)

DNA(spec.)—OR1L6 gene; seq.var. = ?

DNA(specification)—**OR1L8 gene;****sequence variation**

name of component: olfactory receptor, family 1,
subfamily L, member 8

[NPU43337](#)

DNA(spec.)—OR1L8 gene; seq.var. = ?

DNA(specification)—**OR1M1 gene;****sequence variation**

name of component: olfactory receptor, family 1,
subfamily M, member 1

[NPU37710](#)

DNA(spec.)—OR1M1 gene; seq.var. = ?

DNA(specification)—**OR1N1 gene;****sequence variation**

name of component: olfactory receptor, family 1,
subfamily N, member 1

[NPU37711](#)

DNA(spec.)—OR1N1 gene; seq.var. = ?

DNA(specification)—**OR1N2 gene;****sequence variation**

name of component: olfactory receptor, family 1,
subfamily N, member 2

[NPU43338](#)

DNA(spec.)—OR1N2 gene; seq.var. = ?

DNA(specification)—**OR1N3 gene;****sequence variation**

name of component: olfactory receptor, family 1, subfamily N, member 3

[NPU43339](#)

DNA(spec.)—OR1N3 gene; seq.var. = ?

DNA(specification)—**OR1P1P gene;****sequence variation**

name of component: olfactory receptor, family 1, subfamily P, member 1 pseudogene

[NPU37712](#)

DNA(spec.)—OR1P1P gene; seq.var. = ?

DNA(specification)—**OR1Q1 gene;****sequence variation**

name of component: olfactory receptor, family 1, subfamily Q, member 1

[NPU37713](#)

DNA(spec.)—OR1Q1 gene; seq.var. = ?

DNA(specification)—**OR1R1P gene;****sequence variation**

name of component: olfactory receptor, family 1, subfamily R, member 1 pseudogene

[NPU37714](#)

DNA(spec.)—OR1R1P gene; seq.var. = ?

DNA(specification)—**OR1R2P gene;****sequence variation**

name of component: olfactory receptor, family 1, subfamily R, member 2 pseudogene

[NPU43610](#)

DNA(spec.)—OR1R2P gene; seq.var. = ?

DNA(specification)—**OR1R3P gene;****sequence variation**

name of component: olfactory receptor, family 1, subfamily R, member 3 pseudogene

[NPU43611](#)

DNA(spec.)—OR1R3P gene; seq.var. = ?

DNA(specification)—**OR1S1 gene;****sequence variation**

name of component: olfactory receptor, family 1, subfamily S, member 1

[NPU37715](#)

DNA(spec.)—OR1S1 gene; seq.var. = ?

DNA(specification)—**OR1S2 gene;****sequence variation**

name of component: olfactory receptor, family 1, subfamily S, member 2

[NPU43367](#)

DNA(spec.)—OR1S2 gene; seq.var. = ?

DNA(specification)—**OR1X1P gene;****sequence variation**

name of component: olfactory receptor, family 1, subfamily X, member 1 pseudogene

[NPU43297](#)

DNA(spec.)—OR1X1P gene; seq.var. = ?

DNA(specification)—**OR1AA1P gene;****sequence variation**

name of component: olfactory receptor, family 1, subfamily AA, member 1 pseudogene

[NPU43011](#)

DNA(spec.)—OR1AA1P gene; seq.var. = ?

DNA(specification)—**OR2A1 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily A, member 1

[NPU37716](#)

DNA(spec.)—OR2A1 gene; seq.var. = ?

DNA(specification)—**OR2A11P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily A, member 11 pseudogene

[NPU43309](#)

DNA(spec.)—OR2A11P gene; seq.var. = ?

DNA(specification)—**OR2A12 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily A, member 12

[NPU43310](#)

DNA(spec.)—OR2A12 gene; seq.var. = ?

DNA(specification)—**OR2A13P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily A, member 13 pseudogene

[NPU43311](#)

DNA(spec.)—OR2A13P gene; seq.var. = ?

DNA(specification)—
OR2A14P gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily A, member 14 pseudogene
[NPU43312](#)
DNA(spec.)—OR2A14P gene; seq.var. = ?

DNA(specification)—
OR2A15P gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily A, member 15 pseudogene
[NPU43313](#)
DNA(spec.)—OR2A15P gene; seq.var. = ?

DNA(specification)—
OR2A16P gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily A, member 16 pseudogene
[NPU43281](#)
DNA(spec.)—OR2A16P gene; seq.var. = ?

DNA(specification)—
OR2A17P gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily A, member 17 pseudogene
[NPU43314](#)
DNA(spec.)—OR2A17P gene; seq.var. = ?

DNA(specification)—
OR2A18P gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily A, member 18 pseudogene
[NPU43560](#)
DNA(spec.)—OR2A18P gene; seq.var. = ?

DNA(specification)—
OR2A19 gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily A, member 19
[NPU43634](#)
DNA(spec.)—OR2A19 gene; seq.var. = ?

DNA(specification)—
OR2A20 gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily A, member 20
[NPU43635](#)
DNA(spec.)—OR2A20 gene; seq.var. = ?

DNA(specification)—
OR2A21 gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily A, member 21
[NPU43636](#)
DNA(spec.)—OR2A21 gene; seq.var. = ?

DNA(specification)—
OR2A22P gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily A, member 22 pseudogene
[NPU43637](#)
DNA(spec.)—OR2A22P gene; seq.var. = ?

DNA(specification)—
OR2A23P gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily A, member 23 pseudogene
[NPU47045](#)
DNA(spec.)—OR2A23P gene; seq.var. = ?

DNA(specification)—
OR2A24P gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily A, member 24 pseudogene
[NPU47047](#)
DNA(spec.)—OR2A24P gene; seq.var. = ?

DNA(specification)—
OR2A25P gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily A, member 25 pseudogene
[NPU47055](#)
DNA(spec.)—OR2A25P gene; seq.var. = ?

DNA(specification)—
OR2A26 gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily A, member 26
[NPU47058](#)
DNA(spec.)—OR2A26 gene; seq.var. = ?

DNA(specification)—
OR2A27 gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily A, member 27
[NPU47059](#)
DNA(spec.)—OR2A27 gene; seq.var. = ?

DNA(specification)—**OR2A28P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily A, member 28 pseudogene

[NPU47060](#)

DNA(spec.)—OR2A28P gene; seq.var. = ?

DNA(specification)—**OR2A2P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily A, member 2 pseudogene

[NPU37717](#)

DNA(spec.)—OR2A2P gene; seq.var. = ?

DNA(specification)—**OR2A3P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily A, member 3 pseudogene

[NPU37718](#)

DNA(spec.)—OR2A3P gene; seq.var. = ?

DNA(specification)—**OR2A4 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily A, member 4

[NPU42990](#)

DNA(spec.)—OR2A4 gene; seq.var. = ?

DNA(specification)—**OR2A5 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily A, member 5

[NPU37719](#)

DNA(spec.)—OR2A5 gene; seq.var. = ?

DNA(specification)—**OR2A6 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily A, member 6

[NPU37720](#)

DNA(spec.)—OR2A6 gene; seq.var. = ?

DNA(specification)—**OR2A7 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily A, member 7

[NPU37721](#)

DNA(spec.)—OR2A7 gene; seq.var. = ?

DNA(specification)—**OR2A9P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily A, member 9 pseudogene

[NPU37722](#)

DNA(spec.)—OR2A9P gene; seq.var. = ?

DNA(specification)—**OR2AD1P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily AD, member 1 pseudogene

[NPU43010](#)

DNA(spec.)—OR2AD1P gene; seq.var. = ?

DNA(specification)—**OR2AE1 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily AE, member 1

[NPU43315](#)

DNA(spec.)—OR2AE1 gene; seq.var. = ?

DNA(specification)—**OR2AF1P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily AF, member 1 pseudogene

[NPU42980](#)

DNA(spec.)—OR2AF1P gene; seq.var. = ?

DNA(specification)—**OR2AF2P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily AF, member 2 pseudogene

[NPU43090](#)

DNA(spec.)—OR2AF2P gene; seq.var. = ?

DNA(specification)—**OR2AG1 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily AG, member 1

[NPU43368](#)

DNA(spec.)—OR2AG1 gene; seq.var. = ?

DNA(specification)—**OR2AG2P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily AG, member 2 pseudogene

[NPU43369](#)

DNA(spec.)—OR2AG2P gene; seq.var. = ?

DNA(specification)—
OR2AG3 gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily AG, member 3
[NPU47090](#)
DNA(spec.)—OR2AG3 gene; seq.var. = ?

DNA(specification)—
OR2AH1P gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily AH, member 1 pseudogene
[NPU43370](#)
DNA(spec.)—OR2AH1P gene; seq.var. = ?

DNA(specification)—
OR2AI1P gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily AI, member 1 pseudogene
[NPU43298](#)
DNA(spec.)—OR2AI1P gene; seq.var. = ?

DNA(specification)—
OR2AJ1P gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily AJ, member 1 pseudogene
[NPU43237](#)
DNA(spec.)—OR2AJ1P gene; seq.var. = ?

DNA(specification)—
OR2AK1P gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily AK, member 1 pseudogene
[NPU43238](#)
DNA(spec.)—OR2AK1P gene; seq.var. = ?

DNA(specification)—
OR2AK2 gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily AK, member 2
[NPU47061](#)
DNA(spec.)—OR2AK2 gene; seq.var. = ?

DNA(specification)—
OR2AL1P gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily AL, member 1 pseudogene
[NPU42973](#)
DNA(spec.)—OR2AL1P gene; seq.var. = ?

DNA(specification)—
OR2AM1P gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily AM, member 1 pseudogene
[NPU43340](#)
DNA(spec.)—OR2AM1P gene; seq.var. = ?

DNA(specification)—
OR2AN1P gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily AN, member 1 pseudogene
[NPU43341](#)
DNA(spec.)—OR2AN1P gene; seq.var. = ?

DNA(specification)—
OR2AP1P gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily AP, member 1 pseudogene
[NPU43561](#)
DNA(spec.)—OR2AP1P gene; seq.var. = ?

DNA(specification)—
OR2AQ1P gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily AQ, member 1 pseudogene
[NPU43239](#)
DNA(spec.)—OR2AQ1P gene; seq.var. = ?

DNA(specification)—
OR2AR1P gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily AR, member 1 pseudogene
[NPU43038](#)
DNA(spec.)—OR2AR1P gene; seq.var. = ?

DNA(specification)—
OR2AS1P gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily AS, member 1 pseudogene
[NPU43240](#)
DNA(spec.)—OR2AS1P gene; seq.var. = ?

DNA(specification)—
OR2AT1P gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily AT, member 1 pseudogene
[NPU43371](#)
DNA(spec.)—OR2AT1P gene; seq.var. = ?

DNA(specification)—**OR2AT2P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily AT, member 2 pseudogene

[NPU47103](#)

DNA(spec.)—OR2AT2P gene; seq.var. = ?

DNA(specification)—**OR2AT4 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily AT, member 4

[NPU47104](#)

DNA(spec.)—OR2AT4 gene; seq.var. = ?

DNA(specification)—**OR2AU1P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily AU, member 1 pseudogene

[NPU47126](#)

DNA(spec.)—OR2AU1P gene; seq.var. = ?

DNA(specification)—**OR2B1 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily B, member 1

[NPU43702](#)

DNA(spec.)—OR2B1 gene; seq.var. = ?

DNA(specification)—**OR2B2 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily B, member 2

[NPU42419](#)

DNA(spec.)—OR2B2 gene; seq.var. = ?

DNA(specification)—**OR2B3 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily B, member 3

[NPU37723](#)

DNA(spec.)—OR2B3 gene; seq.var. = ?

DNA(specification)—**OR2B4P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily B, member 4 pseudogene

[NPU37724](#)

DNA(spec.)—OR2B4P gene; seq.var. = ?

DNA(specification)—**OR2B6 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily B, member 6

[NPU37725](#)

DNA(spec.)—OR2B6 gene; seq.var. = ?

DNA(specification)—**OR2B7P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily B, member 7 pseudogene

[NPU42420](#)

DNA(spec.)—OR2B7P gene; seq.var. = ?

DNA(specification)—**OR2B8 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily B, member 8

[NPU42421](#)

DNA(spec.)—OR2B8 gene; seq.var. = ?

DNA(specification)—**OR2C1 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily C, member 1

[NPU37726](#)

DNA(spec.)—OR2C1 gene; seq.var. = ?

DNA(specification)—**OR2C2P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily C, member 2 pseudogene

[NPU43605](#)

DNA(spec.)—OR2C2P gene; seq.var. = ?

DNA(specification)—**OR2C3 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily C, member 3

[NPU43241](#)

DNA(spec.)—OR2C3 gene; seq.var. = ?

DNA(specification)—**OR2C5P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily C, member 5 pseudogene

[NPU43638](#)

DNA(spec.)—OR2C5P gene; seq.var. = ?

DNA(specification)—**OR2D1 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily D, member 1

[NPU37727](#)

DNA(spec.)—OR2D1 gene; seq.var. = ?

DNA(specification)—**OR2D2 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily D, member 2

[NPU37728](#)

DNA(spec.)—OR2D2 gene; seq.var. = ?

DNA(specification)—**OR2D3 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily D, member 3

[NPU43372](#)

DNA(spec.)—OR2D3 gene; seq.var. = ?

DNA(specification)—**OR2E1P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily E, member 1 pseudogene

[NPU43705](#)

DNA(spec.)—OR2E1P gene; seq.var. = ?

DNA(specification)—**OR2F1 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily F, member 1

[NPU37729](#)

DNA(spec.)—OR2F1 gene; seq.var. = ?

DNA(specification)—**OR2F2 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily F, member 2

[NPU37730](#)

DNA(spec.)—OR2F2 gene; seq.var. = ?

DNA(specification)—**OR2F3 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily F, member 3

[NPU37731](#)

DNA(spec.)—OR2F3 gene; seq.var. = ?

DNA(specification)—**OR2G1P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily G, member 1 pseudogene

[NPU37732](#)

DNA(spec.)—OR2G1P gene; seq.var. = ?

DNA(specification)—**OR2G2 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily G, member 2

[NPU43242](#)

DNA(spec.)—OR2G2 gene; seq.var. = ?

DNA(specification)—**OR2G3 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily G, member 3

[NPU43243](#)

DNA(spec.)—OR2G3 gene; seq.var. = ?

DNA(specification)—**OR2H1 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily H, member 1

[NPU37733](#)

DNA(spec.)—OR2H1 gene; seq.var. = ?

DNA(specification)—**OR2H2 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily H, member 2

[NPU37734](#)

DNA(spec.)—OR2H2 gene; seq.var. = ?

DNA(specification)—**OR2H3 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily H, member 3

[NPU37735](#)

DNA(spec.)—OR2H3 gene; seq.var. = ?

DNA(specification)—**OR2H4P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily H, member 4 pseudogene

[NPU37736](#)

DNA(spec.)—OR2H4P gene; seq.var. = ?

DNA(specification)—**OR2H5P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily H, member 5 pseudogene

[NPU37737](#)

DNA(spec.)—OR2H5P gene; seq.var. = ?

DNA(specification)—**OR2H7 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily H, member 7

[NPU43301](#)

DNA(spec.)—OR2H7 gene; seq.var. = ?

DNA(specification)—**OR2I1P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily I, member 1 pseudogene

[NPU37738](#)

DNA(spec.)—OR2I1P gene; seq.var. = ?

DNA(specification)—**OR2I2 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily I, member 2

[NPU42976](#)

DNA(spec.)—OR2I2 gene; seq.var. = ?

DNA(specification)—**OR2I3P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily I, member 3 pseudogene

[NPU43639](#)

DNA(spec.)—OR2I3P gene; seq.var. = ?

DNA(specification)—**OR2I4P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily I, member 4 pseudogene

[NPU43640](#)

DNA(spec.)—OR2I4P gene; seq.var. = ?

DNA(specification)—**OR2I5P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily I, member 5 pseudogene

[NPU43641](#)

DNA(spec.)—OR2I5P gene; seq.var. = ?

DNA(specification)—**OR2I6 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily I, member 6

[NPU43642](#)

DNA(spec.)—OR2I6 gene; seq.var. = ?

DNA(specification)—**OR2I7P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily I, member 7 pseudogene

[NPU43643](#)

DNA(spec.)—OR2I7P gene; seq.var. = ?

DNA(specification)—**OR2I8P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily I, member 8 pseudogene

[NPU43644](#)

DNA(spec.)—OR2I8P gene; seq.var. = ?

DNA(specification)—**OR2I9P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily I, member 9 pseudogene

[NPU43645](#)

DNA(spec.)—OR2I9P gene; seq.var. = ?

DNA(specification)—**OR2J1P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily J, member 1 pseudogene

[NPU37739](#)

DNA(spec.)—OR2J1P gene; seq.var. = ?

DNA(specification)—**OR2J2 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily J, member 2

[NPU37740](#)

DNA(spec.)—OR2J2 gene; seq.var. = ?

DNA(specification)—**OR2J3 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily J, member 3

[NPU37741](#)

DNA(spec.)—OR2J3 gene; seq.var. = ?

DNA(specification)—
OR2J4P gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily J, member 4 pseudogene
[NPU37742](#)
DNA(spec.)—OR2J4P gene; seq.var. = ?

DNA(specification)—
OR2K1 gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily K, member 1
[NPU37743](#)
DNA(spec.)—OR2K1 gene; seq.var. = ?

DNA(specification)—
OR2K2 gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily K, member 2
[NPU37744](#)
DNA(spec.)—OR2K2 gene; seq.var. = ?

DNA(specification)—
OR2L1 gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily L, member 1
[NPU37745](#)
DNA(spec.)—OR2L1 gene; seq.var. = ?

DNA(specification)—
OR2L11 gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily L, member 11
[NPU47062](#)
DNA(spec.)—OR2L11 gene; seq.var. = ?

DNA(specification)—
OR2L12 gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily L, member 12
[NPU47068](#)
DNA(spec.)—OR2L12 gene; seq.var. = ?

DNA(specification)—
OR2L14 gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily L, member 14
[NPU47079](#)
DNA(spec.)—OR2L14 gene; seq.var. = ?

DNA(specification)—
OR2L2 gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily L, member 2
[NPU37746](#)
DNA(spec.)—OR2L2 gene; seq.var. = ?

DNA(specification)—
OR2L3 gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily L, member 3
[NPU43244](#)
DNA(spec.)—OR2L3 gene; seq.var. = ?

DNA(specification)—
OR2L4P gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily L, member 4 pseudogene
[NPU43245](#)
DNA(spec.)—OR2L4P gene; seq.var. = ?

DNA(specification)—
OR2L5P gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily L, member 5 pseudogene
[NPU43246](#)
DNA(spec.)—OR2L5P gene; seq.var. = ?

DNA(specification)—
OR2L6P gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily L, member 6 pseudogene
[NPU43247](#)
DNA(spec.)—OR2L6P gene; seq.var. = ?

DNA(specification)—
OR2L7P gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily L, member 7 pseudogene
[NPU43248](#)
DNA(spec.)—OR2L7P gene; seq.var. = ?

DNA(specification)—
OR2L8 gene;
sequence variation
name of component: olfactory receptor, family 2,
subfamily L, member 8
[NPU43249](#)
DNA(spec.)—OR2L8 gene; seq.var. = ?

DNA(specification)—**OR2L9P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily L, member 9 pseudogene

[NPU43250](#)

DNA(spec.)—OR2L9P gene; seq.var. = ?

DNA(specification)—**OR2M1 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily M, member 1

[NPU37747](#)

DNA(spec.)—OR2M1 gene; seq.var. = ?

DNA(specification)—**OR2M2 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily M, member 2

[NPU37748](#)

DNA(spec.)—OR2M2 gene; seq.var. = ?

DNA(specification)—**OR2M3P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily M, member 3 pseudogene

[NPU37749](#)

DNA(spec.)—OR2M3P gene; seq.var. = ?

DNA(specification)—**OR2M4 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily M, member 4

[NPU37750](#)

DNA(spec.)—OR2M4 gene; seq.var. = ?

DNA(specification)—**OR2M5P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily M, member 5 pseudogene

[NPU47067](#)

DNA(spec.)—OR2M5P gene; seq.var. = ?

DNA(specification)—**OR2M6 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily M, member 6

[NPU47081](#)

DNA(spec.)—OR2M6 gene; seq.var. = ?

DNA(specification)—**OR2M7 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily M, member 7

[NPU47082](#)

DNA(spec.)—OR2M7 gene; seq.var. = ?

DNA(specification)—**OR2N1P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily N, member 1 pseudogene

[NPU37751](#)

DNA(spec.)—OR2N1P gene; seq.var. = ?

DNA(specification)—**OR2P1P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily P, member 1 pseudogene

[NPU37752](#)

DNA(spec.)—OR2P1P gene; seq.var. = ?

DNA(specification)—**OR2Q1P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily Q, member 1 pseudogene

[NPU37753](#)

DNA(spec.)—OR2Q1P gene; seq.var. = ?

DNA(specification)—**OR2R1P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily R, member 1 pseudogene

[NPU37754](#)

DNA(spec.)—OR2R1P gene; seq.var. = ?

DNA(specification)—**OR2S1P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily S, member 1 pseudogene

[NPU37755](#)

DNA(spec.)—OR2S1P gene; seq.var. = ?

DNA(specification)—**OR2S2 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily S, member 2

[NPU37756](#)

DNA(spec.)—OR2S2 gene; seq.var. = ?

DNA(specification)—**OR2T1 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily T, member 1

[NPU37757](#)

DNA(spec.)—OR2T1 gene; seq.var. = ?

DNA(specification)—**OR2T10 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily T, member 10

[NPU47064](#)

DNA(spec.)—OR2T10 gene; seq.var. = ?

DNA(specification)—**OR2T11 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily T, member 11

[NPU47065](#)

DNA(spec.)—OR2T11 gene; seq.var. = ?

DNA(specification)—**OR2T12 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily T, member 12

[NPU47080](#)

DNA(spec.)—OR2T12 gene; seq.var. = ?

DNA(specification)—**OR2T2 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily T, member 2

[NPU42986](#)

DNA(spec.)—OR2T2 gene; seq.var. = ?

DNA(specification)—**OR2T3 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily T, member 3

[NPU42988](#)

DNA(spec.)—OR2T3 gene; seq.var. = ?

DNA(specification)—**OR2T4 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily T, member 4

[NPU43251](#)

DNA(spec.)—OR2T4 gene; seq.var. = ?

DNA(specification)—**OR2T5 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily T, member 5

[NPU43252](#)

DNA(spec.)—OR2T5 gene; seq.var. = ?

DNA(specification)—**OR2T6P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily T, member 6 pseudogene

[NPU43253](#)

DNA(spec.)—OR2T6P gene; seq.var. = ?

DNA(specification)—**OR2T7P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily T, member 7 pseudogene

[NPU43254](#)

DNA(spec.)—OR2T7P gene; seq.var. = ?

DNA(specification)—**OR2T8P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily T, member 8 pseudogene

[NPU43255](#)

DNA(spec.)—OR2T8P gene; seq.var. = ?

DNA(specification)—**OR2U1P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily U, member 1 pseudogene

[NPU37758](#)

DNA(spec.)—OR2U1P gene; seq.var. = ?

DNA(specification)—**OR2U2P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily U, member 2 pseudogene

[NPU37759](#)

DNA(spec.)—OR2U2P gene; seq.var. = ?

DNA(specification)—**OR2V1P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily V, member 1 pseudogene

[NPU37760](#)

DNA(spec.)—OR2V1P gene; seq.var. = ?

DNA(specification)—**OR2V2 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily V, member 2

[NPU43567](#)

DNA(spec.)—OR2V2 gene; seq.var. = ?

DNA(specification)—**OR2V3 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily V, member 3

[NPU43299](#)

DNA(spec.)—OR2V3 gene; seq.var. = ?

DNA(specification)—**OR2W1 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily W, member 1

[NPU37761](#)

DNA(spec.)—OR2W1 gene; seq.var. = ?

DNA(specification)—**OR2W2P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily W, member 2 pseudogene

[NPU42422](#)

DNA(spec.)—OR2W2P gene; seq.var. = ?

DNA(specification)—**OR2W3P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily W, member 3 pseudogene

[NPU43256](#)

DNA(spec.)—OR2W3P gene; seq.var. = ?

DNA(specification)—**OR2W4P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily W, member 4 pseudogene

[NPU43302](#)

DNA(spec.)—OR2W4P gene; seq.var. = ?

DNA(specification)—**OR2W5P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily W, member 5 pseudogene

[NPU43646](#)

DNA(spec.)—OR2W5P gene; seq.var. = ?

DNA(specification)—**OR2W6P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily W, member 6 pseudogene

[NPU43303](#)

DNA(spec.)—OR2W6P gene; seq.var. = ?

DNA(specification)—**OR2W8P gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily W, member 8 pseudogene

[NPU47063](#)

DNA(spec.)—OR2W8P gene; seq.var. = ?

DNA(specification)—**OR2Y1 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily Y, member 1

[NPU43097](#)

DNA(spec.)—OR2Y1 gene; seq.var. = ?

DNA(specification)—**OR2Z1 gene;****sequence variation**

name of component: olfactory receptor, family 2, subfamily Z, member 1

[NPU43617](#)

DNA(spec.)—OR2Z1 gene; seq.var. = ?

DNA(specification)—**OR3A1 gene;****sequence variation**

name of component: olfactory receptor, family 3, subfamily A, member 1

[NPU37762](#)

DNA(spec.)—OR3A1 gene; seq.var. = ?

DNA(specification)—**OR3A2 gene;****sequence variation**

name of component: olfactory receptor, family 3, subfamily A, member 2

[NPU37763](#)

DNA(spec.)—OR3A2 gene; seq.var. = ?

DNA(specification)—**OR3A3 gene;****sequence variation**

name of component: olfactory receptor, family 3, subfamily A, member 3

[NPU37764](#)

DNA(spec.)—OR3A3 gene; seq.var. = ?

DNA(specification)—**OR3A4 gene;****sequence variation**

name of component: olfactory receptor, family 3, subfamily A, member 4

[NPU43707](#)

DNA(spec.)—OR3A4 gene; seq.var. = ?

DNA(specification)—**OR3A8P gene;****sequence variation**

name of component: olfactory receptor, family 3, subfamily A, member 8 pseudogene

[NPU43300](#)

DNA(spec.)—OR3A8P gene; seq.var. = ?

DNA(specification)—**OR3B1P gene;****sequence variation**

name of component: olfactory receptor, family 3, subfamily B, member 1 pseudogene

[NPU43099](#)

DNA(spec.)—OR3B1P gene; seq.var. = ?

DNA(specification)—**OR4A10P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily A, member 10 pseudogene

[NPU43373](#)

DNA(spec.)—OR4A10P gene; seq.var. = ?

DNA(specification)—**OR4A11P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily A, member 11 pseudogene

[NPU43374](#)

DNA(spec.)—OR4A11P gene; seq.var. = ?

DNA(specification)—**OR4A12P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily A, member 12 pseudogene

[NPU43375](#)

DNA(spec.)—OR4A12P gene; seq.var. = ?

DNA(specification)—**OR4A13P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily A, member 13 pseudogene

[NPU43376](#)

DNA(spec.)—OR4A13P gene; seq.var. = ?

DNA(specification)—**OR4A14P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily A, member 14 pseudogene

[NPU43377](#)

DNA(spec.)—OR4A14P gene; seq.var. = ?

DNA(specification)—**OR4A15 gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily A, member 15

[NPU43378](#)

DNA(spec.)—OR4A15 gene; seq.var. = ?

DNA(specification)—**OR4A16 gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily A, member 16

[NPU43379](#)

DNA(spec.)—OR4A16 gene; seq.var. = ?

DNA(specification)—**OR4A17P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily A, member 17 pseudogene

[NPU43380](#)

DNA(spec.)—OR4A17P gene; seq.var. = ?

DNA(specification)—**OR4A18P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily A, member 18 pseudogene

[NPU43381](#)

DNA(spec.)—OR4A18P gene; seq.var. = ?

DNA(specification)—**OR4A19P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily A, member 19 pseudogene

[NPU43382](#)

DNA(spec.)—OR4A19P gene; seq.var. = ?

DNA(specification)—**OR4A1P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily A, member 1 pseudogene

[NPU37765](#)

DNA(spec.)—OR4A1P gene; seq.var. = ?

DNA(specification)—**OR4A20P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily A, member 20 pseudogene

[NPU43383](#)

DNA(spec.)—OR4A20P gene; seq.var. = ?

DNA(specification)—**OR4A21P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily A, member 21 pseudogene

[NPU43384](#)

DNA(spec.)—OR4A21P gene; seq.var. = ?

DNA(specification)—**OR4A22P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily A, member 22 pseudogene

[NPU47093](#)

DNA(spec.)—OR4A22P gene; seq.var. = ?

DNA(specification)—**OR4A25P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily A, member 25 pseudogene

[NPU47099](#)

DNA(spec.)—OR4A25P gene; seq.var. = ?

DNA(specification)—**OR4A2P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily A, member 2 pseudogene

[NPU43385](#)

DNA(spec.)—OR4A2P gene; seq.var. = ?

DNA(specification)—**OR4A3P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily A, member 3 pseudogene

[NPU43386](#)

DNA(spec.)—OR4A3P gene; seq.var. = ?

DNA(specification)—**OR4A4 gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily A, member 4

[NPU43387](#)

DNA(spec.)—OR4A4 gene; seq.var. = ?

DNA(specification)—**OR4A5 gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily A, member 5

[NPU43388](#)

DNA(spec.)—OR4A5 gene; seq.var. = ?

DNA(specification)—**OR4A6P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily A, member 6 pseudogene

[NPU43389](#)

DNA(spec.)—OR4A6P gene; seq.var. = ?

DNA(specification)—**OR4A7P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily A, member 7 pseudogene

[NPU43390](#)

DNA(spec.)—OR4A7P gene; seq.var. = ?

DNA(specification)—**OR4A8P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily A, member 8 pseudogene

[NPU43391](#)

DNA(spec.)—OR4A8P gene; seq.var. = ?

DNA(specification)—**OR4A9P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily A, member 9 pseudogene

[NPU43392](#)

DNA(spec.)—OR4A9P gene; seq.var. = ?

DNA(specification)—**OR4B1 gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily B, member 1

[NPU37766](#)

DNA(spec.)—OR4B1 gene; seq.var. = ?

DNA(specification)—**OR4B2P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily B, member 2 pseudogene

[NPU37767](#)

DNA(spec.)—OR4B2P gene; seq.var. = ?

DNA(specification)—**OR4C10P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily C, member 10 pseudogene

[NPU43060](#)

DNA(spec.)—OR4C10P gene; seq.var. = ?

DNA(specification)—**OR4C11P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily C, member 11 pseudogene

[NPU43393](#)

DNA(spec.)—OR4C11P gene; seq.var. = ?

DNA(specification)—**OR4C12 gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily C, member 12

[NPU43394](#)

DNA(spec.)—OR4C12 gene; seq.var. = ?

DNA(specification)—**OR4C13 gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily C, member 13

[NPU43395](#)

DNA(spec.)—OR4C13 gene; seq.var. = ?

DNA(specification)—**OR4C14P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily C, member 14 pseudogene

[NPU43396](#)

DNA(spec.)—OR4C14P gene; seq.var. = ?

DNA(specification)—**OR4C15 gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily C, member 15

[NPU43397](#)

DNA(spec.)—OR4C15 gene; seq.var. = ?

DNA(specification)—**OR4C16 gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily C, member 16

[NPU43398](#)

DNA(spec.)—OR4C16 gene; seq.var. = ?

DNA(specification)—**OR4C1P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily C, member 1 pseudogene

[NPU37768](#)

DNA(spec.)—OR4C1P gene; seq.var. = ?

DNA(specification)—**OR4C2P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily C, member 2 pseudogene

[NPU42958](#)

DNA(spec.)—OR4C2P gene; seq.var. = ?

DNA(specification)—**OR4C3 gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily C, member 3

[NPU42959](#)

DNA(spec.)—OR4C3 gene; seq.var. = ?

DNA(specification)—**OR4C4P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily C, member 4 pseudogene

[NPU42962](#)

DNA(spec.)—OR4C4P gene; seq.var. = ?

DNA(specification)—**OR4C5P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily C, member 5 pseudogene

[NPU42964](#)

DNA(spec.)—OR4C5P gene; seq.var. = ?

DNA(specification)—**OR4C6 gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily C, member 6

[NPU43004](#)

DNA(spec.)—OR4C6 gene; seq.var. = ?

DNA(specification)—**OR4C7P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily C, member 7 pseudogene

[NPU43029](#)

DNA(spec.)—OR4C7P gene; seq.var. = ?

DNA(specification)—**OR4C9P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily C, member 9 pseudogene

[NPU43056](#)

DNA(spec.)—OR4C9P gene; seq.var. = ?

DNA(specification)—**OR4D1 gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily D, member 1

[NPU37769](#)

DNA(spec.)—OR4D1 gene; seq.var. = ?

DNA(specification)—**OR4D10P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily D, member 10 pseudogene

[NPU43399](#)

DNA(spec.)—OR4D10P gene; seq.var. = ?

DNA(specification)—**OR4D11P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily D, member 11 pseudogene

[NPU43400](#)

DNA(spec.)—OR4D11P gene; seq.var. = ?

DNA(specification)—**OR4D12P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily D, member 12 pseudogene

[NPU47076](#)

DNA(spec.)—OR4D12P gene; seq.var. = ?

DNA(specification)—**OR4D2 gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily D, member 2

[NPU37770](#)

DNA(spec.)—OR4D2 gene; seq.var. = ?

DNA(specification)—**OR4D4P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily D, member 4 pseudogene

[NPU43037](#)

DNA(spec.)—OR4D4P gene; seq.var. = ?

DNA(specification)—**OR4D5 gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily D, member 5

[NPU43112](#)

DNA(spec.)—OR4D5 gene; seq.var. = ?

DNA(specification)—**OR4D6 gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily D, member 6

[NPU43401](#)

DNA(spec.)—OR4D6 gene; seq.var. = ?

DNA(specification)—**OR4D7P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily D, member 7 pseudogene

[NPU43402](#)

DNA(spec.)—OR4D7P gene; seq.var. = ?

DNA(specification)—**OR4D8P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily D, member 8 pseudogene

[NPU43403](#)

DNA(spec.)—OR4D8P gene; seq.var. = ?

DNA(specification)—**OR4D9 gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily D, member 9 pseudogene

[NPU43404](#)

DNA(spec.)—OR4D9 gene; seq.var. = ?

DNA(specification)—**OR4E1P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily E, member 1 pseudogene

[NPU37771](#)

DNA(spec.)—OR4E1P gene; seq.var. = ?

DNA(specification)—**OR4E2 gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily E, member 2

[NPU37772](#)

DNA(spec.)—OR4E2 gene; seq.var. = ?

DNA(specification)—
OR4F10 gene;
sequence variation
name of component: olfactory receptor, family 4,
subfamily F, member 10
[NPU43304](#)
DNA(spec.)—OR4F10 gene; seq.var. = ?

DNA(specification)—
OR4F11P gene;
sequence variation
name of component: olfactory receptor, family 4,
subfamily F, member 11 pseudogene
[NPU43606](#)
DNA(spec.)—OR4F11P gene; seq.var. = ?

DNA(specification)—
OR4F13P gene;
sequence variation
name of component: olfactory receptor, family 4,
subfamily F, member 13 pseudogene
[NPU43305](#)
DNA(spec.)—OR4F13P gene; seq.var. = ?

DNA(specification)—
OR4F14 gene;
sequence variation
name of component: olfactory receptor, family 4,
subfamily F, member 14
[NPU43306](#)
DNA(spec.)—OR4F14 gene; seq.var. = ?

DNA(specification)—
OR4F15 gene;
sequence variation
name of component: olfactory receptor, family 4,
subfamily F, member 15
[NPU43307](#)
DNA(spec.)—OR4F15 gene; seq.var. = ?

DNA(specification)—
OR4F16 gene;
sequence variation
name of component: olfactory receptor, family 4,
subfamily F, member 16
[NPU43308](#)
DNA(spec.)—OR4F16 gene; seq.var. = ?

DNA(specification)—
OR4F17 gene;
sequence variation
name of component: olfactory receptor, family 4,
subfamily F, member 17
[NPU43607](#)
DNA(spec.)—OR4F17 gene; seq.var. = ?

DNA(specification)—
OR4F18 gene;
sequence variation
name of component: olfactory receptor, family 4,
subfamily F, member 18
[NPU43618](#)
DNA(spec.)—OR4F18 gene; seq.var. = ?

DNA(specification)—
OR4F1P gene;
sequence variation
name of component: olfactory receptor, family 4,
subfamily F, member 1 pseudogene
[NPU37773](#)
DNA(spec.)—OR4F1P gene; seq.var. = ?

DNA(specification)—
OR4F20P gene;
sequence variation
name of component: olfactory receptor, family 4,
subfamily F, member 20 pseudogene
[NPU47040](#)
DNA(spec.)—OR4F20P gene; seq.var. = ?

DNA(specification)—
OR4F21P gene;
sequence variation
name of component: olfactory receptor, family 4,
subfamily F, member 21 pseudogene
[NPU47073](#)
DNA(spec.)—OR4F21P gene; seq.var. = ?

DNA(specification)—
OR4F2P gene;
sequence variation
name of component: olfactory receptor, family 4,
subfamily F, member 2 pseudogene
[NPU37774](#)
DNA(spec.)—OR4F2P gene; seq.var. = ?

DNA(specification)—
OR4F3 gene;
sequence variation
name of component: olfactory receptor, family 4,
subfamily F, member 3
[NPU37775](#)
DNA(spec.)—OR4F3 gene; seq.var. = ?

DNA(specification)—
OR4F4 gene;
sequence variation
name of component: olfactory receptor, family 4,
subfamily F, member 4
[NPU37776](#)
DNA(spec.)—OR4F4 gene; seq.var. = ?

DNA(specification)—**OR4F5 gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily F, member 5

[NPU43085](#)

DNA(spec.)—OR4F5 gene; seq.var. = ?

DNA(specification)—**OR4F6 gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily F, member 6

[NPU43598](#)

DNA(spec.)—OR4F6 gene; seq.var. = ?

DNA(specification)—**OR4F7P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily F, member 7 pseudogene

[NPU43316](#)

DNA(spec.)—OR4F7P gene; seq.var. = ?

DNA(specification)—**OR4F8P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily F, member 8 pseudogene

[NPU43619](#)

DNA(spec.)—OR4F8P gene; seq.var. = ?

DNA(specification)—**OR4F9P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily F, member 9 pseudogene

[NPU43620](#)

DNA(spec.)—OR4F9P gene; seq.var. = ?

DNA(specification)—**OR4G1P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily G, member 1 pseudogene

[NPU37777](#)

DNA(spec.)—OR4G1P gene; seq.var. = ?

DNA(specification)—**OR4G2P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily G, member 2 pseudogene

[NPU37778](#)

DNA(spec.)—OR4G2P gene; seq.var. = ?

DNA(specification)—**OR4G3P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily G, member 3 pseudogene

[NPU37779](#)

DNA(spec.)—OR4G3P gene; seq.var. = ?

DNA(specification)—**OR4G4P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily G, member 4 pseudogene

[NPU43082](#)

DNA(spec.)—OR4G4P gene; seq.var. = ?

DNA(specification)—**OR4G5P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily G, member 5 pseudogene

[NPU43608](#)

DNA(spec.)—OR4G5P gene; seq.var. = ?

DNA(specification)—**OR4G6P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily G, member 6 pseudogene

[NPU43274](#)

DNA(spec.)—OR4G6P gene; seq.var. = ?

DNA(specification)—**OR4G7P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily G, member 7 pseudogene

[NPU43621](#)

DNA(spec.)—OR4G7P gene; seq.var. = ?

DNA(specification)—**OR4H10P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily H, member 10 pseudogene

[NPU37780](#)

DNA(spec.)—OR4H10P gene; seq.var. = ?

DNA(specification)—**OR4H11P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily H, member 11 pseudogene

[NPU37781](#)

DNA(spec.)—OR4H11P gene; seq.var. = ?

DNA(specification)—
OR4H12 gene;
sequence variation
name of component: olfactory receptor, family 4,
subfamily H, member 12
[NPU47038](#)
DNA(spec.)—OR4H12 gene; seq.var. = ?

DNA(specification)—
OR4H5P gene;
sequence variation
name of component: olfactory receptor, family 4,
subfamily H, member 5 pseudogene
[NPU37782](#)
DNA(spec.)—OR4H5P gene; seq.var. = ?

DNA(specification)—
OR4H6P gene;
sequence variation
name of component: olfactory receptor, family 4,
subfamily H, member 6 pseudogene
[NPU37783](#)
DNA(spec.)—OR4H6P gene; seq.var. = ?

DNA(specification)—
OR4H8P gene;
sequence variation
name of component: olfactory receptor, family 4,
subfamily H, member 8 pseudogene
[NPU37784](#)
DNA(spec.)—OR4H8P gene; seq.var. = ?

DNA(specification)—
OR4K1 gene;
sequence variation
name of component: olfactory receptor, family 4,
subfamily K, member 1
[NPU42987](#)
DNA(spec.)—OR4K1 gene; seq.var. = ?

DNA(specification)—
OR4K10P gene;
sequence variation
name of component: olfactory receptor, family 4,
subfamily K, member 10 pseudogene
[NPU43612](#)
DNA(spec.)—OR4K10P gene; seq.var. = ?

DNA(specification)—
OR4K11P gene;
sequence variation
name of component: olfactory receptor, family 4,
subfamily K, member 11 pseudogene
[NPU43624](#)
DNA(spec.)—OR4K11P gene; seq.var. = ?

DNA(specification)—
OR4K12P gene;
sequence variation
name of component: olfactory receptor, family 4,
subfamily K, member 12 pseudogene
[NPU43625](#)
DNA(spec.)—OR4K12P gene; seq.var. = ?

DNA(specification)—
OR4K13 gene;
sequence variation
name of component: olfactory receptor, family 4,
subfamily K, member 13
[NPU43577](#)
DNA(spec.)—OR4K13 gene; seq.var. = ?

DNA(specification)—
OR4K14 gene;
sequence variation
name of component: olfactory receptor, family 4,
subfamily K, member 14
[NPU43578](#)
DNA(spec.)—OR4K14 gene; seq.var. = ?

DNA(specification)—
OR4K15 gene;
sequence variation
name of component: olfactory receptor, family 4,
subfamily K, member 15
[NPU43579](#)
DNA(spec.)—OR4K15 gene; seq.var. = ?

DNA(specification)—
OR4K16P gene;
sequence variation
name of component: olfactory receptor, family 4,
subfamily K, member 16 pseudogene
[NPU43580](#)
DNA(spec.)—OR4K16P gene; seq.var. = ?

DNA(specification)—
OR4K17 gene;
sequence variation
name of component: olfactory receptor, family 4,
subfamily K, member 17
[NPU43581](#)
DNA(spec.)—OR4K17 gene; seq.var. = ?

DNA(specification)—
OR4K2 gene;
sequence variation
name of component: olfactory receptor, family 4,
subfamily K, member 2
[NPU42989](#)
DNA(spec.)—OR4K2 gene; seq.var. = ?

DNA(specification)—**OR4K3 gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily K, member 3

[NPU42992](#)

DNA(spec.)—OR4K3 gene; seq.var. = ?

DNA(specification)—**OR4K4P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily K, member 4 pseudogene

[NPU43005](#)

DNA(spec.)—OR4K4P gene; seq.var. = ?

DNA(specification)—**OR4K5 gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily K, member 5

[NPU43006](#)

DNA(spec.)—OR4K5 gene; seq.var. = ?

DNA(specification)—**OR4K6P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily K, member 6 pseudogene

[NPU43009](#)

DNA(spec.)—OR4K6P gene; seq.var. = ?

DNA(specification)—**OR4K7P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily K, member 7 pseudogene

[NPU43017](#)

DNA(spec.)—OR4K7P gene; seq.var. = ?

DNA(specification)—**OR4K8P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily K, member 8 pseudogene

[NPU43047](#)

DNA(spec.)—OR4K8P gene; seq.var. = ?

DNA(specification)—**OR4K9P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily K, member 9 pseudogene

[NPU43613](#)

DNA(spec.)—OR4K9P gene; seq.var. = ?

DNA(specification)—**OR4L1 gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily L, member 1

[NPU43582](#)

DNA(spec.)—OR4L1 gene; seq.var. = ?

DNA(specification)—**OR4L2P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily L, member 2 pseudogene

[NPU43583](#)

DNA(spec.)—OR4L2P gene; seq.var. = ?

DNA(specification)—**OR4M1 gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily M, member 1

[NPU42996](#)

DNA(spec.)—OR4M1 gene; seq.var. = ?

DNA(specification)—**OR4M2 gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily M, member 2

[NPU43599](#)

DNA(spec.)—OR4M2 gene; seq.var. = ?

DNA(specification)—**OR4N1P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily N, member 1 pseudogene

[NPU43001](#)

DNA(spec.)—OR4N1P gene; seq.var. = ?

DNA(specification)—**OR4N2 gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily N, member 2

[NPU43003](#)

DNA(spec.)—OR4N2 gene; seq.var. = ?

DNA(specification)—**OR4N3P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily N, member 3 pseudogene

[NPU43600](#)

DNA(spec.)—OR4N3P gene; seq.var. = ?

DNA(specification)—**OR4N4 gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily N, member 4

[NPU43601](#)

DNA(spec.)—OR4N4 gene; seq.var. = ?

DNA(specification)—**OR4N5 gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily N, member 5

[NPU43584](#)

DNA(spec.)—OR4N5 gene; seq.var. = ?

DNA(specification)—**OR4P1P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily P, member 1 pseudogene

[NPU43015](#)

DNA(spec.)—OR4P1P gene; seq.var. = ?

DNA(specification)—**OR4P2P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily P, member 2 pseudogene

[NPU43647](#)

DNA(spec.)—OR4P2P gene; seq.var. = ?

DNA(specification)—**OR4P3P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily P, member 3 pseudogene

[NPU43405](#)

DNA(spec.)—OR4P3P gene; seq.var. = ?

DNA(specification)—**OR4P4 gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily P, member 4

[NPU43406](#)

DNA(spec.)—OR4P4 gene; seq.var. = ?

DNA(specification)—**OR4Q1P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily Q, member 1 pseudogene

[NPU43602](#)

DNA(spec.)—OR4Q1P gene; seq.var. = ?

DNA(specification)—**OR4Q2P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily Q, member 2 pseudogene

[NPU43585](#)

DNA(spec.)—OR4Q2P gene; seq.var. = ?

DNA(specification)—**OR4Q3 gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily Q, member 3

[NPU43648](#)

DNA(spec.)—OR4Q3 gene; seq.var. = ?

DNA(specification)—**OR4Q4 gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily Q, member 4

[NPU47037](#)

DNA(spec.)—OR4Q4 gene; seq.var. = ?

DNA(specification)—**OR4R1P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily R, member 1 pseudogene

[NPU43058](#)

DNA(spec.)—OR4R1P gene; seq.var. = ?

DNA(specification)—**OR4R2P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily R, member 2 pseudogene

[NPU43407](#)

DNA(spec.)—OR4R2P gene; seq.var. = ?

DNA(specification)—**OR4R3P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily R, member 3 pseudogene

[NPU43408](#)

DNA(spec.)—OR4R3P gene; seq.var. = ?

DNA(specification)—**OR4S1 gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily S, member 1

[NPU42967](#)

DNA(spec.)—OR4S1 gene; seq.var. = ?

DNA(specification)—**OR4S2 gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily S, member 2

[NPU43409](#)

DNA(spec.)—OR4S2 gene; seq.var. = ?

DNA(specification)—**OR4T1P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily T, member 1 pseudogene

[NPU43586](#)

DNA(spec.)—OR4T1P gene; seq.var. = ?

DNA(specification)—**OR4U1P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily U, member 1 pseudogene

[NPU43587](#)

DNA(spec.)—OR4U1P gene; seq.var. = ?

DNA(specification)—**OR4V1P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily V, member 1 pseudogene

[NPU42997](#)

DNA(spec.)—OR4V1P gene; seq.var. = ?

DNA(specification)—**OR4W1P gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily W, member 1 pseudogene

[NPU43627](#)

DNA(spec.)—OR4W1P gene; seq.var. = ?

DNA(specification)—**OR4X1 gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily X, member 1

[NPU43114](#)

DNA(spec.)—OR4X1 gene; seq.var. = ?

DNA(specification)—**OR4X2 gene;****sequence variation**

name of component: olfactory receptor, family 4, subfamily X, member 2

[NPU43410](#)

DNA(spec.)—OR4X2 gene; seq.var. = ?

DNA(specification)—**OR51A10P gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily A, member 10 pseudogene

[NPU43411](#)

DNA(spec.)—OR51A10P gene; seq.var. = ?

DNA(specification)—**OR51A11P gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily A, member 11 pseudogene

[NPU43412](#)

DNA(spec.)—OR51A11P gene; seq.var. = ?

DNA(specification)—**OR51A13 gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily A, member 13

[NPU47088](#)

DNA(spec.)—OR51A13 gene; seq.var. = ?

DNA(specification)—**OR51A1P gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily A, member 1 pseudogene

[NPU37785](#)

DNA(spec.)—OR51A1P gene; seq.var. = ?

DNA(specification)—**OR51A2 gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily A, member 2

[NPU43025](#)

DNA(spec.)—OR51A2 gene; seq.var. = ?

DNA(specification)—**OR51A3P gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily A, member 3 pseudogene

[NPU43054](#)

DNA(spec.)—OR51A3P gene; seq.var. = ?

DNA(specification)—**OR51A4 gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily A, member 4

[NPU43055](#)

DNA(spec.)—OR51A4 gene; seq.var. = ?

DNA(specification)—**OR51A5P gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily A, member 5 pseudogene

[NPU43061](#)

DNA(spec.)—OR51A5P gene; seq.var. = ?

DNA(specification)—**OR51A6P gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily A, member 6 pseudogene

[NPU43413](#)

DNA(spec.)—OR51A6P gene; seq.var. = ?

DNA(specification)—**OR51A7 gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily A, member 7

[NPU43414](#)

DNA(spec.)—OR51A7 gene; seq.var. = ?

DNA(specification)—**OR51A8P gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily A, member 8 pseudogene

[NPU43415](#)

DNA(spec.)—OR51A8P gene; seq.var. = ?

DNA(specification)—**OR51A9P gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily A, member 9 pseudogene

[NPU43416](#)

DNA(spec.)—OR51A9P gene; seq.var. = ?

DNA(specification)—**OR51B1P gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily B, member 1 pseudogene

[NPU37786](#)

DNA(spec.)—OR51B1P gene; seq.var. = ?

DNA(specification)—**OR51B2 gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily B, member 2

[NPU42965](#)

DNA(spec.)—OR51B2 gene; seq.var. = ?

DNA(specification)—**OR51B3P gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily B, member 3 pseudogene

[NPU42968](#)

DNA(spec.)—OR51B3P gene; seq.var. = ?

DNA(specification)—**OR51B4 gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily B, member 4

[NPU42970](#)

DNA(spec.)—OR51B4 gene; seq.var. = ?

DNA(specification)—**OR51B5 gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily B, member 5

[NPU47085](#)

DNA(spec.)—OR51B5 gene; seq.var. = ?

DNA(specification)—**OR51B6 gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily B, member 6

[NPU47086](#)

DNA(spec.)—OR51B6 gene; seq.var. = ?

DNA(specification)—**OR51C1P gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily C, member 1 pseudogene

[NPU43417](#)

DNA(spec.)—OR51C1P gene; seq.var. = ?

DNA(specification)—**OR51C2P gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily C, member 2 pseudogene

[NPU43649](#)

DNA(spec.)—OR51C2P gene; seq.var. = ?

DNA(specification)—**OR51C3P gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily C, member 3 pseudogene

[NPU43418](#)

DNA(spec.)—OR51C3P gene; seq.var. = ?

DNA(specification)—**OR51D1 gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily D, member 1

[NPU43419](#)

DNA(spec.)—OR51D1 gene; seq.var. = ?

DNA(specification)—**OR51E1 gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily E, member 1

[NPU43420](#)

DNA(spec.)—OR51E1 gene; seq.var. = ?

DNA(specification)—**OR51E2 gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily E, member 2

[NPU43421](#)

DNA(spec.)—OR51E2 gene; seq.var. = ?

DNA(specification)—**OR51E3P gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily E, member 3 pseudogene

[NPU43650](#)

DNA(spec.)—OR51E3P gene; seq.var. = ?

DNA(specification)—**OR51F1P gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily F, member 1 pseudogene

[NPU43422](#)

DNA(spec.)—OR51F1P gene; seq.var. = ?

DNA(specification)—**OR51F2 gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily F, member 2

[NPU43423](#)

DNA(spec.)—OR51F2 gene; seq.var. = ?

DNA(specification)—**OR51G1 gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily G, member 1

[NPU42999](#)

DNA(spec.)—OR51G1 gene; seq.var. = ?

DNA(specification)—**OR51G2 gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily G, member 2

[NPU43424](#)

DNA(spec.)—OR51G2 gene; seq.var. = ?

DNA(specification)—**OR51H1 gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily H, member 1

[NPU43093](#)

DNA(spec.)—OR51H1 gene; seq.var. = ?

DNA(specification)—**OR51H2P gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily H, member 2 pseudogene

[NPU43425](#)

DNA(spec.)—OR51H2P gene; seq.var. = ?

DNA(specification)—**OR51I1 gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily I, member 1

[NPU43426](#)

DNA(spec.)—OR51I1 gene; seq.var. = ?

DNA(specification)—**OR51I2 gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily I, member 2

[NPU43427](#)

DNA(spec.)—OR51I2 gene; seq.var. = ?

DNA(specification)—**OR51J1P gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily J, member 1 pseudogene

[NPU43116](#)

DNA(spec.)—OR51J1P gene; seq.var. = ?

DNA(specification)—**OR51J2 gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily J, member 2

[NPU47087](#)

DNA(spec.)—OR51J2 gene; seq.var. = ?

DNA(specification)—**OR51K1P gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily K, member 1 pseudogene

[NPU43428](#)

DNA(spec.)—OR51K1P gene; seq.var. = ?

DNA(specification)—**OR51L1 gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily L, member 1

[NPU43020](#)

DNA(spec.)—OR51L1 gene; seq.var. = ?

DNA(specification)—**OR51M1 gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily M, member 1

[NPU43107](#)

DNA(spec.)—OR51M1 gene; seq.var. = ?

DNA(specification)—**OR51N1P gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily N, member 1 pseudogene

[NPU43018](#)

DNA(spec.)—OR51N1P gene; seq.var. = ?

DNA(specification)—**OR51P1P gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily P, member 1 pseudogene

[NPU43023](#)

DNA(spec.)—OR51P1P gene; seq.var. = ?

DNA(specification)—**OR51P2P gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily P, member 2 pseudogene

[NPU47043](#)

DNA(spec.)—OR51P2P gene; seq.var. = ?

DNA(specification)—**OR51Q1 gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily Q, member 1

[NPU43111](#)

DNA(spec.)—OR51Q1 gene; seq.var. = ?

DNA(specification)—**OR51R1P gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily R, member 1 pseudogene

[NPU43429](#)

DNA(spec.)—OR51R1P gene; seq.var. = ?

DNA(specification)—**OR51S1 gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily S, member 1

[NPU43430](#)

DNA(spec.)—OR51S1 gene; seq.var. = ?

DNA(specification)—**OR51T1 gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily T, member 1

[NPU43431](#)

DNA(spec.)—OR51T1 gene; seq.var. = ?

DNA(specification)—**OR51V1 gene;****sequence variation**

name of component: olfactory receptor, family 51, subfamily V, member 1

[NPU47084](#)

DNA(spec.)—OR51V1 gene; seq.var. = ?

DNA(specification)—**OR52A1 gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily A, member 1

[NPU37787](#)

DNA(spec.)—OR52A1 gene; seq.var. = ?

DNA(specification)—**OR52A2 gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily A, member 2

[NPU43651](#)

DNA(spec.)—OR52A2 gene; seq.var. = ?

DNA(specification)—**OR52A3P gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily A, member 3 pseudogene

[NPU43652](#)

DNA(spec.)—OR52A3P gene; seq.var. = ?

DNA(specification)—**OR52A4 gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily A, member 4

[NPU47069](#)

DNA(spec.)—OR52A4 gene; seq.var. = ?

DNA(specification)—**OR52A5 gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily A, member 5

[NPU47070](#)

DNA(spec.)—OR52A5 gene; seq.var. = ?

DNA(specification)—**OR52B1P gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily B, member 1 pseudogene

[NPU43432](#)

DNA(spec.)—OR52B1P gene; seq.var. = ?

DNA(specification)—**OR52B2 gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily B, member 2

[NPU43433](#)

DNA(spec.)—OR52B2 gene; seq.var. = ?

DNA(specification)—**OR52B3P gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily B, member 3 pseudogene

[NPU43434](#)

DNA(spec.)—OR52B3P gene; seq.var. = ?

DNA(specification)—**OR52B4 gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily B, member 4

[NPU43435](#)

DNA(spec.)—OR52B4 gene; seq.var. = ?

DNA(specification)—**OR52B5P gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily B, member 5 pseudogene

[NPU43436](#)

DNA(spec.)—OR52B5P gene; seq.var. = ?

DNA(specification)—**OR52B6 gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily B, member 6

[NPU43437](#)

DNA(spec.)—OR52B6 gene; seq.var. = ?

DNA(specification)—**OR52D1 gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily D, member 1

[NPU43438](#)

DNA(spec.)—OR52D1 gene; seq.var. = ?

DNA(specification)—**OR52E1 gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily E, member 1

[NPU43027](#)

DNA(spec.)—OR52E1 gene; seq.var. = ?

DNA(specification)—**OR52E2 gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily E, member 2

[NPU43030](#)

DNA(spec.)—OR52E2 gene; seq.var. = ?

DNA(specification)—**OR52E3P gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily E, member 3 pseudogene

[NPU43053](#)

DNA(spec.)—OR52E3P gene; seq.var. = ?

DNA(specification)—**OR52E4 gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily E, member 4

[NPU43439](#)

DNA(spec.)—OR52E4 gene; seq.var. = ?

DNA(specification)—**OR52E5 gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily E, member 5

[NPU43440](#)

DNA(spec.)—OR52E5 gene; seq.var. = ?

DNA(specification)—**OR52E6 gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily E, member 6

[NPU43441](#)

DNA(spec.)—OR52E6 gene; seq.var. = ?

DNA(specification)—**OR52E7P gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily E, member 7 pseudogene

[NPU43442](#)

DNA(spec.)—OR52E7P gene; seq.var. = ?

DNA(specification)—**OR52E8 gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily E, member 8 pseudogene

[NPU43443](#)

DNA(spec.)—OR52E8 gene; seq.var. = ?

DNA(specification)—**OR52H1 gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily H, member 1

[NPU43444](#)

DNA(spec.)—OR52H1 gene; seq.var. = ?

DNA(specification)—**OR52H2P gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily H, member 2 pseudogene

[NPU43445](#)

DNA(spec.)—OR52H2P gene; seq.var. = ?

DNA(specification)—**OR52I1 gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily I, member 1

[NPU43446](#)

DNA(spec.)—OR52I1 gene; seq.var. = ?

DNA(specification)—**OR52I2 gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily I, member 2

[NPU43447](#)

DNA(spec.)—OR52I2 gene; seq.var. = ?

DNA(specification)—**OR52J1P gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily J, member 1 pseudogene

[NPU43021](#)

DNA(spec.)—OR52J1P gene; seq.var. = ?

DNA(specification)—**OR52J2P gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily J, member 2 pseudogene

[NPU43057](#)

DNA(spec.)—OR52J2P gene; seq.var. = ?

DNA(specification)—**OR52J3 gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily J, member 3

[NPU43059](#)

DNA(spec.)—OR52J3 gene; seq.var. = ?

DNA(specification)—**OR52J4P gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily J, member 4 pseudogene

[NPU47071](#)

DNA(spec.)—OR52J4P gene; seq.var. = ?

DNA(specification)—**OR52K1 gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily K, member 1

[NPU43448](#)

DNA(spec.)—OR52K1 gene; seq.var. = ?

DNA(specification)—**OR52K2 gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily K, member 2

[NPU43449](#)

DNA(spec.)—OR52K2 gene; seq.var. = ?

DNA(specification)—**OR52K3P gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily K, member 3 pseudogene

[NPU43450](#)

DNA(spec.)—OR52K3P gene; seq.var. = ?

DNA(specification)—**OR52L1 gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily L, member 1

[NPU43045](#)

DNA(spec.)—OR52L1 gene; seq.var. = ?

DNA(specification)—**OR52L2 gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily L, member 2

[NPU43048](#)

DNA(spec.)—OR52L2 gene; seq.var. = ?

DNA(specification)—**OR52M1 gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily M, member 1

[NPU43451](#)

DNA(spec.)—OR52M1 gene; seq.var. = ?

DNA(specification)—**OR52M2P gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily M, member 2 pseudogene

[NPU43452](#)

DNA(spec.)—OR52M2P gene; seq.var. = ?

DNA(specification)—**OR52M3P gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily M, member 3 pseudogene

[NPU43453](#)

DNA(spec.)—OR52M3P gene; seq.var. = ?

DNA(specification)—**OR52M4 gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily M, member 4

[NPU47049](#)

DNA(spec.)—OR52M4 gene; seq.var. = ?

DNA(specification)—**OR52N1 gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily N, member 1

[NPU43113](#)

DNA(spec.)—OR52N1 gene; seq.var. = ?

DNA(specification)—**OR52N2 gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily N, member 2

[NPU43454](#)

DNA(spec.)—OR52N2 gene; seq.var. = ?

DNA(specification)—**OR52N3P gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily N, member 3 pseudogene

[NPU43455](#)

DNA(spec.)—OR52N3P gene; seq.var. = ?

DNA(specification)—**OR52N4 gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily N, member 4

[NPU43456](#)

DNA(spec.)—OR52N4 gene; seq.var. = ?

DNA(specification)—**OR52N5 gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily N, member 5

[NPU43457](#)

DNA(spec.)—OR52N5 gene; seq.var. = ?

DNA(specification)—**OR52P1 gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily P, member 1

[NPU43458](#)

DNA(spec.)—OR52P1 gene; seq.var. = ?

DNA(specification)—**OR52P2P gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily P, member 2 pseudogene

[NPU43459](#)

DNA(spec.)—OR52P2P gene; seq.var. = ?

DNA(specification)—**OR52Q1P gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily Q, member 1 pseudogene

[NPU43460](#)

DNA(spec.)—OR52Q1P gene; seq.var. = ?

DNA(specification)—**OR52R1 gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily R, member 1

[NPU43461](#)

DNA(spec.)—OR52R1 gene; seq.var. = ?

DNA(specification)—**OR52S1P gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily S, member 1 pseudogene

[NPU43065](#)

DNA(spec.)—OR52S1P gene; seq.var. = ?

DNA(specification)—**OR52T1P gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily T, member 1 pseudogene

[NPU43462](#)

DNA(spec.)—OR52T1P gene; seq.var. = ?

DNA(specification)—**OR52U1P gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily U, member 1 pseudogene

[NPU43463](#)

DNA(spec.)—OR52U1P gene; seq.var. = ?

DNA(specification)—**OR52V1P gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily V, member 1 pseudogene

[NPU43464](#)

DNA(spec.)—OR52V1P gene; seq.var. = ?

DNA(specification)—**OR52W1P gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily W, member 1 pseudogene

[NPU43465](#)

DNA(spec.)—OR52W1P gene; seq.var. = ?

DNA(specification)—**OR52X1P gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily X, member 1 pseudogene

[NPU43050](#)

DNA(spec.)—OR52X1P gene; seq.var. = ?

DNA(specification)—**OR52Y1P gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily Y, member 1 pseudogene

[NPU43466](#)

DNA(spec.)—OR52Y1P gene; seq.var. = ?

DNA(specification)—**OR52Y2P gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily Y, member 2 pseudogene

[NPU47042](#)

DNA(spec.)—OR52Y2P gene; seq.var. = ?

DNA(specification)—**OR52Z1P gene;****sequence variation**

name of component: olfactory receptor, family 52, subfamily Z, member 1 pseudogene

[NPU47083](#)

DNA(spec.)—OR52Z1P gene; seq.var. = ?

DNA(specification)—**OR55B1P gene;****sequence variation**

name of component: olfactory receptor, family 55, subfamily B, member 1 pseudogene

[NPU43467](#)

DNA(spec.)—OR55B1P gene; seq.var. = ?

DNA(specification)—**OR55B2P gene;****sequence variation**

name of component: olfactory receptor, family 55, subfamily B, member 2 pseudogene

[NPU47089](#)

DNA(spec.)—OR55B2P gene; seq.var. = ?

DNA(specification)—**OR55C1P gene;****sequence variation**

name of component: olfactory receptor, family 55, subfamily C, member 1 pseudogene

[NPU43468](#)

DNA(spec.)—OR55C1P gene; seq.var. = ?

DNA(specification)—**OR56A1 gene;****sequence variation**

name of component: olfactory receptor, family 56, subfamily A, member 1

[NPU43041](#)

DNA(spec.)—OR56A1 gene; seq.var. = ?

DNA(specification)—**OR56A2P gene;****sequence variation**

name of component: olfactory receptor, family 56, subfamily A, member 2 pseudogene

[NPU43042](#)

DNA(spec.)—OR56A2P gene; seq.var. = ?

DNA(specification)—**OR56A3P gene;****sequence variation**

name of component: olfactory receptor, family 56, subfamily A, member 3 pseudogene

[NPU43046](#)

DNA(spec.)—OR56A3P gene; seq.var. = ?

DNA(specification)—**OR56A4 gene;****sequence variation**

name of component: olfactory receptor, family 56, subfamily A, member 4

[NPU43051](#)

DNA(spec.)—OR56A4 gene; seq.var. = ?

DNA(specification)—**OR56A5P gene;****sequence variation**

name of component: olfactory receptor, family 56, subfamily A, member 5 pseudogene

[NPU43052](#)

DNA(spec.)—OR56A5P gene; seq.var. = ?

DNA(specification)—**OR56A6 gene;****sequence variation**

name of component: olfactory receptor, family 56, subfamily A, member 6

[NPU43469](#)

DNA(spec.)—OR56A6 gene; seq.var. = ?

DNA(specification)—**OR56A7P gene;****sequence variation**

name of component: olfactory receptor, family 56, subfamily A, member 7 pseudogene

[NPU43470](#)

DNA(spec.)—OR56A7P gene; seq.var. = ?

DNA(specification)—**OR56B1P gene;****sequence variation**

name of component: olfactory receptor, family 56, subfamily B, member 1 pseudogene

[NPU43471](#)

DNA(spec.)—OR56B1P gene; seq.var. = ?

DNA(specification)—**OR56B2 gene;****sequence variation**

name of component: olfactory receptor, family 56, subfamily B, member 2

[NPU43472](#)

DNA(spec.)—OR56B2 gene; seq.var. = ?

DNA(specification)—**OR56B3P gene;****sequence variation**

name of component: olfactory receptor, family 56, subfamily B, member 3 pseudogene

[NPU43473](#)

DNA(spec.)—OR56B3P gene; seq.var. = ?

DNA(specification)—**OR56B4 gene;****sequence variation**

name of component: olfactory receptor, family 56, subfamily B, member 4

[NPU43474](#)

DNA(spec.)—OR56B4 gene; seq.var. = ?

DNA(specification)—**OR5A1 gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily A, member 1

[NPU37788](#)

DNA(spec.)—OR5A1 gene; seq.var. = ?

DNA(specification)—**OR5A2 gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily A, member 2

[NPU43475](#)

DNA(spec.)—OR5A2 gene; seq.var. = ?

DNA(specification)—**OR5AC1P gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily AC, member 1 pseudogene

[NPU43282](#)

DNA(spec.)—OR5AC1P gene; seq.var. = ?

DNA(specification)—**OR5AC2 gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily AC, member 2

[NPU43653](#)

DNA(spec.)—OR5AC2 gene; seq.var. = ?

DNA(specification)—
OR5AH1P gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily AH, member 1 pseudogene
[NPU42975](#)
DNA(spec.)—OR5AH1P gene; seq.var. = ?

DNA(specification)—
OR5AK1P gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily AK, member 1 pseudogene
[NPU43476](#)
DNA(spec.)—OR5AK1P gene; seq.var. = ?

DNA(specification)—
OR5AK2 gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily AK, member 2
[NPU43477](#)
DNA(spec.)—OR5AK2 gene; seq.var. = ?

DNA(specification)—
OR5AK3 gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily AK, member 3
[NPU43478](#)
DNA(spec.)—OR5AK3 gene; seq.var. = ?

DNA(specification)—
OR5AK4P gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily AK, member 4 pseudogene
[NPU43479](#)
DNA(spec.)—OR5AK4P gene; seq.var. = ?

DNA(specification)—
OR5AK5P gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily AK, member 5 pseudogene
[NPU47044](#)
DNA(spec.)—OR5AK5P gene; seq.var. = ?

DNA(specification)—
OR5AL1P gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily AL, member 1 pseudogene
[NPU43104](#)
DNA(spec.)—OR5AL1P gene; seq.var. = ?

DNA(specification)—
OR5AL2P gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily AL, member 2 pseudogene
[NPU43110](#)
DNA(spec.)—OR5AL2P gene; seq.var. = ?

DNA(specification)—
OR5AM1P gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily AM, member 1 pseudogene
[NPU43480](#)
DNA(spec.)—OR5AM1P gene; seq.var. = ?

DNA(specification)—
OR5AN1 gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily AN, member 1
[NPU43481](#)
DNA(spec.)—OR5AN1 gene; seq.var. = ?

DNA(specification)—
OR5AN2P gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily AN, member 2 pseudogene
[NPU43482](#)
DNA(spec.)—OR5AN2P gene; seq.var. = ?

DNA(specification)—
OR5AP1P gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily AP, member 1 pseudogene
[NPU43483](#)
DNA(spec.)—OR5AP1P gene; seq.var. = ?

DNA(specification)—
OR5AP2 gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily AP, member 2
[NPU43484](#)
DNA(spec.)—OR5AP2 gene; seq.var. = ?

DNA(specification)—
OR5AQ1P gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily AQ, member 1 pseudogene
[NPU43485](#)
DNA(spec.)—OR5AQ1P gene; seq.var. = ?

DNA(specification)—**OR5AR1 gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily AR, member 1

[NPU43486](#)

DNA(spec.)—OR5AR1 gene; seq.var. = ?

DNA(specification)—**OR5AS1 gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily AS, member 1

[NPU43487](#)

DNA(spec.)—OR5AS1 gene; seq.var. = ?

DNA(specification)—**OR5AT1 gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily AT, member 1

[NPU43257](#)

DNA(spec.)—OR5AT1 gene; seq.var. = ?

DNA(specification)—**OR5AU1 gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily AU, member 1

[NPU43588](#)

DNA(spec.)—OR5AU1 gene; seq.var. = ?

DNA(specification)—**OR5AV1 gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily AV, member 1

[NPU43258](#)

DNA(spec.)—OR5AV1 gene; seq.var. = ?

DNA(specification)—**OR5AW1P gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily AW, member 1 pseudogene

[NPU43628](#)

DNA(spec.)—OR5AW1P gene; seq.var. = ?

DNA(specification)—**OR5AX1P gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily AX, member 1 pseudogene

[NPU43259](#)

DNA(spec.)—OR5AX1P gene; seq.var. = ?

DNA(specification)—**OR5AY1 gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily AY, member 1

[NPU43260](#)

DNA(spec.)—OR5AY1 gene; seq.var. = ?

DNA(specification)—**OR5AZ1P gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily AZ, member 1 pseudogene

[NPU43488](#)

DNA(spec.)—OR5AZ1P gene; seq.var. = ?

DNA(specification)—**OR5B10P gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily B, member 10 pseudogene

[NPU37789](#)

DNA(spec.)—OR5B10P gene; seq.var. = ?

DNA(specification)—**OR5B12P gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily B, member 12 pseudogene

[NPU43654](#)

DNA(spec.)—OR5B12P gene; seq.var. = ?

DNA(specification)—**OR5B13 gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily B, member 13

[NPU43489](#)

DNA(spec.)—OR5B13 gene; seq.var. = ?

DNA(specification)—**OR5B14P gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily B, member 14 pseudogene

[NPU43490](#)

DNA(spec.)—OR5B14P gene; seq.var. = ?

DNA(specification)—**OR5B15P gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily B, member 15 pseudogene

[NPU43491](#)

DNA(spec.)—OR5B15P gene; seq.var. = ?

DNA(specification)—
OR5B16 gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily B, member 16
[NPU43492](#)
DNA(spec.)—OR5B16 gene; seq.var. = ?

DNA(specification)—
OR5B17 gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily B, member 17
[NPU43493](#)
DNA(spec.)—OR5B17 gene; seq.var. = ?

DNA(specification)—
OR5B18P gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily B, member 18 pseudogene
[NPU43494](#)
DNA(spec.)—OR5B18P gene; seq.var. = ?

DNA(specification)—
OR5B19P gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily B, member 19 pseudogene
[NPU43495](#)
DNA(spec.)—OR5B19P gene; seq.var. = ?

DNA(specification)—
OR5B1P gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily B, member 1 pseudogene
[NPU37790](#)
DNA(spec.)—OR5B1P gene; seq.var. = ?

DNA(specification)—
OR5B2 gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily B, member 2
[NPU37791](#)
DNA(spec.)—OR5B2 gene; seq.var. = ?

DNA(specification)—
OR5B20P gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily B, member 20 pseudogene
[NPU47074](#)
DNA(spec.)—OR5B20P gene; seq.var. = ?

DNA(specification)—
OR5B21 gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily B, member 21
[NPU47100](#)
DNA(spec.)—OR5B21 gene; seq.var. = ?

DNA(specification)—
OR5B3 gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily B, member 3
[NPU37792](#)
DNA(spec.)—OR5B3 gene; seq.var. = ?

DNA(specification)—
OR5B5P gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily B, member 5 pseudogene
[NPU37793](#)
DNA(spec.)—OR5B5P gene; seq.var. = ?

DNA(specification)—
OR5B7P gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily B, member 7 pseudogene
[NPU37794](#)
DNA(spec.)—OR5B7P gene; seq.var. = ?

DNA(specification)—
OR5BA1P gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily BA, member 1 pseudogene
[NPU43496](#)
DNA(spec.)—OR5BA1P gene; seq.var. = ?

DNA(specification)—
OR5BB1P gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily BB, member 1 pseudogene
[NPU43497](#)
DNA(spec.)—OR5BB1P gene; seq.var. = ?

DNA(specification)—
OR5BC1P gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily BC, member 1 pseudogene
[NPU43498](#)
DNA(spec.)—OR5BC1P gene; seq.var. = ?

DNA(specification)—**OR5BD1P gene;****sequence variation**

name of component: olfactory receptor, family 5,
subfamily BD, member 1 pseudogene

[NPU43103](#)

DNA(spec.)—OR5BD1P gene; seq.var. = ?

DNA(specification)—**OR5BE1P gene;****sequence variation**

name of component: olfactory receptor, family 5,
subfamily BE, member 1 pseudogene

[NPU43499](#)

DNA(spec.)—OR5BE1P gene; seq.var. = ?

DNA(specification)—**OR5BF1 gene;****sequence variation**

name of component: olfactory receptor, family 5,
subfamily BF, member 1

[NPU43261](#)

DNA(spec.)—OR5BF1 gene; seq.var. = ?

DNA(specification)—**OR5BG1P gene;****sequence variation**

name of component: olfactory receptor, family 5,
subfamily BG, member 1 pseudogene

[NPU43500](#)

DNA(spec.)—OR5BG1P gene; seq.var. = ?

DNA(specification)—**OR5BH1P gene;****sequence variation**

name of component: olfactory receptor, family 5,
subfamily BH, member 1 pseudogene

[NPU43629](#)

DNA(spec.)—OR5BH1P gene; seq.var. = ?

DNA(specification)—**OR5BH2P gene;****sequence variation**

name of component: olfactory receptor, family 5,
subfamily BH, member 2 pseudogene

[NPU43655](#)

DNA(spec.)—OR5BH2P gene; seq.var. = ?

DNA(specification)—**OR5BJ1P gene;****sequence variation**

name of component: olfactory receptor, family 5,
subfamily BJ, member 1 pseudogene

[NPU43656](#)

DNA(spec.)—OR5BJ1P gene; seq.var. = ?

DNA(specification)—**OR5BK1P gene;****sequence variation**

name of component: olfactory receptor, family 5,
subfamily BK, member 1 pseudogene

[NPU43077](#)

DNA(spec.)—OR5BK1P gene; seq.var. = ?

DNA(specification)—**OR5BL1P gene;****sequence variation**

name of component: olfactory receptor, family 5,
subfamily BL, member 1 pseudogene

[NPU43501](#)

DNA(spec.)—OR5BL1P gene; seq.var. = ?

DNA(specification)—**OR5BM1P gene;****sequence variation**

name of component: olfactory receptor, family 5,
subfamily BM, member 1 pseudogene

[NPU43095](#)

DNA(spec.)—OR5BM1P gene; seq.var. = ?

DNA(specification)—**OR5BN1P gene;****sequence variation**

name of component: olfactory receptor, family 5,
subfamily BN, member 1 pseudogene

[NPU43502](#)

DNA(spec.)—OR5BN1P gene; seq.var. = ?

DNA(specification)—**OR5BP1P gene;****sequence variation**

name of component: olfactory receptor, family 5,
subfamily BP, member 1 pseudogene

[NPU43503](#)

DNA(spec.)—OR5BP1P gene; seq.var. = ?

DNA(specification)—**OR5BQ1P gene;****sequence variation**

name of component: olfactory receptor, family 5,
subfamily BQ, member 1 pseudogene

[NPU43504](#)

DNA(spec.)—OR5BQ1P gene; seq.var. = ?

DNA(specification)—**OR5BR1P gene;****sequence variation**

name of component: olfactory receptor, family 5,
subfamily BR, member 1 pseudogene

[NPU43505](#)

DNA(spec.)—OR5BR1P gene; seq.var. = ?

DNA(specification)—
OR5BS1 gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily BS, member 1
[NPU47110](#)
DNA(spec.)—OR5BS1 gene; seq.var. = ?

DNA(specification)—
OR5BT1P gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily BT, member 1 pseudogene
[NPU47112](#)
DNA(spec.)—OR5BT1P gene; seq.var. = ?

DNA(specification)—
OR5BU1P gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily BU, member 1 pseudogene
[NPU47066](#)
DNA(spec.)—OR5BU1P gene; seq.var. = ?

DNA(specification)—
OR5C1 gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily C, member 1
[NPU37795](#)
DNA(spec.)—OR5C1 gene; seq.var. = ?

DNA(specification)—
OR5C2P gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily C, member 2 pseudogene
[NPU43342](#)
DNA(spec.)—OR5C2P gene; seq.var. = ?

DNA(specification)—
OR5D10P gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily D, member 10 pseudogene
[NPU43657](#)
DNA(spec.)—OR5D10P gene; seq.var. = ?

DNA(specification)—
OR5D11P gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily D, member 11 pseudogene
[NPU37796](#)
DNA(spec.)—OR5D11P gene; seq.var. = ?

DNA(specification)—
OR5D12P gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily D, member 12 pseudogene
[NPU37797](#)
DNA(spec.)—OR5D12P gene; seq.var. = ?

DNA(specification)—
OR5D13 gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily D, member 13
[NPU43506](#)
DNA(spec.)—OR5D13 gene; seq.var. = ?

DNA(specification)—
OR5D14 gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily D, member 14
[NPU43507](#)
DNA(spec.)—OR5D14 gene; seq.var. = ?

DNA(specification)—
OR5D15P gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily D, member 15 pseudogene
[NPU43508](#)
DNA(spec.)—OR5D15P gene; seq.var. = ?

DNA(specification)—
OR5D16 gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily D, member 16
[NPU43509](#)
DNA(spec.)—OR5D16 gene; seq.var. = ?

DNA(specification)—
OR5D17P gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily D, member 17 pseudogene
[NPU43510](#)
DNA(spec.)—OR5D17P gene; seq.var. = ?

DNA(specification)—
OR5D18 gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily D, member 18
[NPU43511](#)
DNA(spec.)—OR5D18 gene; seq.var. = ?

DNA(specification)—**OR5D2P gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily D, member 2 pseudogene

[NPU37798](#)

DNA(spec.)—OR5D2P gene; seq.var. = ?

DNA(specification)—**OR5D3P gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily D, member 3 pseudogene

[NPU37799](#)

DNA(spec.)—OR5D3P gene; seq.var. = ?

DNA(specification)—**OR5D5P gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily D, member 5 pseudogene

[NPU37800](#)

DNA(spec.)—OR5D5P gene; seq.var. = ?

DNA(specification)—**OR5E1P gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily E, member 1 pseudogene

[NPU37801](#)

DNA(spec.)—OR5E1P gene; seq.var. = ?

DNA(specification)—**OR5F1 gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily F, member 1

[NPU37802](#)

DNA(spec.)—OR5F1 gene; seq.var. = ?

DNA(specification)—**OR5F2P gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily F, member 2 pseudogene

[NPU43512](#)

DNA(spec.)—OR5F2P gene; seq.var. = ?

DNA(specification)—**OR5G1P gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily G, member 1 pseudogene

[NPU37803](#)

DNA(spec.)—OR5G1P gene; seq.var. = ?

DNA(specification)—**OR5G3P gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily G, member 3 pseudogene

[NPU43513](#)

DNA(spec.)—OR5G3P gene; seq.var. = ?

DNA(specification)—**OR5G4P gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily G, member 4 pseudogene

[NPU43514](#)

DNA(spec.)—OR5G4P gene; seq.var. = ?

DNA(specification)—**OR5G5P gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily G, member 5 pseudogene

[NPU43515](#)

DNA(spec.)—OR5G5P gene; seq.var. = ?

DNA(specification)—**OR5G6P gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily G, member 6 pseudogene

[NPU47095](#)

DNA(spec.)—OR5G6P gene; seq.var. = ?

DNA(specification)—**OR5H1 gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily H, member 1

[NPU37804](#)

DNA(spec.)—OR5H1 gene; seq.var. = ?

DNA(specification)—**OR5H2 gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily H, member 2

[NPU43013](#)

DNA(spec.)—OR5H2 gene; seq.var. = ?

DNA(specification)—**OR5H3P gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily H, member 3 pseudogene

[NPU43014](#)

DNA(spec.)—OR5H3P gene; seq.var. = ?

DNA(specification)—
OR5H4P gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily H, member 4 pseudogene
[NPU43024](#)
DNA(spec.)—OR5H4P gene; seq.var. = ?

DNA(specification)—
OR5H5P gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily H, member 5 pseudogene
[NPU43026](#)
DNA(spec.)—OR5H5P gene; seq.var. = ?

DNA(specification)—
OR5H6 gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily H, member 6
[NPU43028](#)
DNA(spec.)—OR5H6 gene; seq.var. = ?

DNA(specification)—
OR5H7P gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily H, member 7 pseudogene
[NPU43032](#)
DNA(spec.)—OR5H7P gene; seq.var. = ?

DNA(specification)—
OR5H8P gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily H, member 8 pseudogene
[NPU43034](#)
DNA(spec.)—OR5H8P gene; seq.var. = ?

DNA(specification)—
OR5I1 gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily I, member 1
[NPU37805](#)
DNA(spec.)—OR5I1 gene; seq.var. = ?

DNA(specification)—
OR5J1P gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily J, member 1 pseudogene
[NPU37806](#)
DNA(spec.)—OR5J1P gene; seq.var. = ?

DNA(specification)—
OR5J2 gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily J, member 2
[NPU47097](#)
DNA(spec.)—OR5J2 gene; seq.var. = ?

DNA(specification)—
OR5K1 gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily K, member 1
[NPU37807](#)
DNA(spec.)—OR5K1 gene; seq.var. = ?

DNA(specification)—
OR5K2 gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily K, member 2
[NPU43035](#)
DNA(spec.)—OR5K2 gene; seq.var. = ?

DNA(specification)—
OR5L1 gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily L, member 1
[NPU37808](#)
DNA(spec.)—OR5L1 gene; seq.var. = ?

DNA(specification)—
OR5L2 gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily L, member 2
[NPU37809](#)
DNA(spec.)—OR5L2 gene; seq.var. = ?

DNA(specification)—
OR5M1 gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily M, member 1
[NPU37810](#)
DNA(spec.)—OR5M1 gene; seq.var. = ?

DNA(specification)—
OR5M10 gene;
sequence variation
name of component: olfactory receptor, family 5,
subfamily M, member 10
[NPU43516](#)
DNA(spec.)—OR5M10 gene; seq.var. = ?

DNA(specification)—**OR5M11 gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily M, member 11

[NPU43517](#)

DNA(spec.)—OR5M11 gene; seq.var. = ?

DNA(specification)—**OR5M12P gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily M, member 12 pseudogene

[NPU43518](#)

DNA(spec.)—OR5M12P gene; seq.var. = ?

DNA(specification)—**OR5M13P gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily M, member 13 pseudogene

[NPU43519](#)

DNA(spec.)—OR5M13P gene; seq.var. = ?

DNA(specification)—**OR5M14P gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily M, member 14 pseudogene

[NPU43292](#)

DNA(spec.)—OR5M14P gene; seq.var. = ?

DNA(specification)—**OR5M2P gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily M, member 2 pseudogene

[NPU43063](#)

DNA(spec.)—OR5M2P gene; seq.var. = ?

DNA(specification)—**OR5M3 gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily M, member 3

[NPU43066](#)

DNA(spec.)—OR5M3 gene; seq.var. = ?

DNA(specification)—**OR5M4P gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily M, member 4 pseudogene

[NPU43068](#)

DNA(spec.)—OR5M4P gene; seq.var. = ?

DNA(specification)—**OR5M5P gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily M, member 5 pseudogene

[NPU43070](#)

DNA(spec.)—OR5M5P gene; seq.var. = ?

DNA(specification)—**OR5M6P gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily M, member 6 pseudogene

[NPU43074](#)

DNA(spec.)—OR5M6P gene; seq.var. = ?

DNA(specification)—**OR5M7P gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily M, member 7 pseudogene

[NPU43078](#)

DNA(spec.)—OR5M7P gene; seq.var. = ?

DNA(specification)—**OR5M8 gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily M, member 8

[NPU43106](#)

DNA(spec.)—OR5M8 gene; seq.var. = ?

DNA(specification)—**OR5M9 gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily M, member 9

[NPU43520](#)

DNA(spec.)—OR5M9 gene; seq.var. = ?

DNA(specification)—**OR5P1P gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily P, member 1 pseudogene

[NPU43039](#)

DNA(spec.)—OR5P1P gene; seq.var. = ?

DNA(specification)—**OR5P2 gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily P, member 2

[NPU43043](#)

DNA(spec.)—OR5P2 gene; seq.var. = ?

DNA(specification)—**OR5P3 gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily P, member 3

[NPU43044](#)

DNA(spec.)—OR5P3 gene; seq.var. = ?

DNA(specification)—**OR5P4P gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily P, member 4 pseudogene

[NPU43521](#)

DNA(spec.)—OR5P4P gene; seq.var. = ?

DNA(specification)—**OR5R1P gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily R, member 1 pseudogene

[NPU43101](#)

DNA(spec.)—OR5R1P gene; seq.var. = ?

DNA(specification)—**OR5S1P gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily S, member 1 pseudogene

[NPU43275](#)

DNA(spec.)—OR5S1P gene; seq.var. = ?

DNA(specification)—**OR5T1P gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily T, member 1 pseudogene

[NPU43081](#)

DNA(spec.)—OR5T1P gene; seq.var. = ?

DNA(specification)—**OR5T2 gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily T, member 2

[NPU43522](#)

DNA(spec.)—OR5T2 gene; seq.var. = ?

DNA(specification)—**OR5T3 gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily T, member 3

[NPU43523](#)

DNA(spec.)—OR5T3 gene; seq.var. = ?

DNA(specification)—**OR5U1 gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily U member 1

[NPU42423](#)

DNA(spec.)—OR5U1 gene; seq.var. = ?

DNA(specification)—**OR5V1 gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily V, member 1

[NPU42424](#)

DNA(spec.)—OR5V1 gene; seq.var. = ?

DNA(specification)—**OR5W1P gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily W, member 1 pseudogene

[NPU43524](#)

DNA(spec.)—OR5W1P gene; seq.var. = ?

DNA(specification)—**OR5W2P gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily W, member 2 pseudogene

[NPU43525](#)

DNA(spec.)—OR5W2P gene; seq.var. = ?

DNA(specification)—**OR5W3P gene;****sequence variation**

name of component: olfactory receptor, family 5, subfamily W, member 3 pseudogene

[NPU43526](#)

DNA(spec.)—OR5W3P gene; seq.var. = ?

DNA(specification)—**OR6A1 gene;****sequence variation**

name of component: olfactory receptor, family 6, subfamily A, member 1

[NPU37811](#)

DNA(spec.)—OR6A1 gene; seq.var. = ?

DNA(specification)—**OR6A2P gene;****sequence variation**

name of component: olfactory receptor, family 6, subfamily A, member 2 pseudogene

[NPU43527](#)

DNA(spec.)—OR6A2P gene; seq.var. = ?

DNA(specification)—**OR6B1 gene;****sequence variation**

name of component: olfactory receptor, family 6, subfamily B, member 1

[NPU37812](#)

DNA(spec.)—OR6B1 gene; seq.var. = ?

DNA(specification)—**OR6B2P gene;****sequence variation**

name of component: olfactory receptor, family 6, subfamily B, member 2 pseudogene

[NPU43276](#)

DNA(spec.)—OR6B2P gene; seq.var. = ?

DNA(specification)—**OR6B3 gene;****sequence variation**

name of component: olfactory receptor, family 6, subfamily B, member 3

[NPU43277](#)

DNA(spec.)—OR6B3 gene; seq.var. = ?

DNA(specification)—**OR6C1 gene;****sequence variation**

name of component: olfactory receptor, family 6, subfamily C, member 1

[NPU37813](#)

DNA(spec.)—OR6C1 gene; seq.var. = ?

DNA(specification)—**OR6C2 gene;****sequence variation**

name of component: olfactory receptor, family 6, subfamily C, member 2

[NPU43658](#)

DNA(spec.)—OR6C2 gene; seq.var. = ?

DNA(specification)—**OR6C3 gene;****sequence variation**

name of component: olfactory receptor, family 6, subfamily C, member 3

[NPU43659](#)

DNA(spec.)—OR6C3 gene; seq.var. = ?

DNA(specification)—**OR6C4 gene;****sequence variation**

name of component: olfactory receptor, family 6, subfamily C, member 4

[NPU47115](#)

DNA(spec.)—OR6C4 gene; seq.var. = ?

DNA(specification)—**OR6D1P gene;****sequence variation**

name of component: olfactory receptor, family 6, subfamily D, member 1 pseudogene

[NPU43109](#)

DNA(spec.)—OR6D1P gene; seq.var. = ?

DNA(specification)—**OR6D2P gene;****sequence variation**

name of component: olfactory receptor, family 6, subfamily D, member 2 pseudogene

[NPU43349](#)

DNA(spec.)—OR6D2P gene; seq.var. = ?

DNA(specification)—**OR6E1P gene;****sequence variation**

name of component: olfactory receptor, family 6, subfamily E, member 1 pseudogene

[NPU43000](#)

DNA(spec.)—OR6E1P gene; seq.var. = ?

DNA(specification)—**OR6F1 gene;****sequence variation**

name of component: olfactory receptor, family 6, subfamily F, member 1

[NPU43262](#)

DNA(spec.)—OR6F1 gene; seq.var. = ?

DNA(specification)—**OR6J1P gene;****sequence variation**

name of component: olfactory receptor, family 6, subfamily J, member 1 pseudogene

[NPU42969](#)

DNA(spec.)—OR6J1P gene; seq.var. = ?

DNA(specification)—**OR6J2 gene;****sequence variation**

name of component: olfactory receptor, family 6, subfamily J, member 2

[NPU42995](#)

DNA(spec.)—OR6J2 gene; seq.var. = ?

DNA(specification)—**OR6K1P gene;****sequence variation**

name of component: olfactory receptor, family 6, subfamily K, member 1 pseudogene

[NPU43263](#)

DNA(spec.)—OR6K1P gene; seq.var. = ?

DNA(specification)—
OR6K2 gene;
sequence variation
name of component: olfactory receptor, family 6,
subfamily K, member 2
[NPU43264](#)
DNA(spec.)—OR6K2 gene; seq.var. = ?

DNA(specification)—
OR6K3 gene;
sequence variation
name of component: olfactory receptor, family 6,
subfamily K, member 3
[NPU43265](#)
DNA(spec.)—OR6K3 gene; seq.var. = ?

DNA(specification)—
OR6K4P gene;
sequence variation
name of component: olfactory receptor, family 6,
subfamily K, member 4 pseudogene
[NPU43266](#)
DNA(spec.)—OR6K4P gene; seq.var. = ?

DNA(specification)—
OR6K5P gene;
sequence variation
name of component: olfactory receptor, family 6,
subfamily K, member 5 pseudogene
[NPU43267](#)
DNA(spec.)—OR6K5P gene; seq.var. = ?

DNA(specification)—
OR6K6 gene;
sequence variation
name of component: olfactory receptor, family 6,
subfamily K, member 6
[NPU43268](#)
DNA(spec.)—OR6K6 gene; seq.var. = ?

DNA(specification)—
OR6L1P gene;
sequence variation
name of component: olfactory receptor, family 6,
subfamily L, member 1 pseudogene
[NPU43350](#)
DNA(spec.)—OR6L1P gene; seq.var. = ?

DNA(specification)—
OR6L2P gene;
sequence variation
name of component: olfactory receptor, family 6,
subfamily L, member 2 pseudogene
[NPU43351](#)
DNA(spec.)—OR6L2P gene; seq.var. = ?

DNA(specification)—
OR6M1 gene;
sequence variation
name of component: olfactory receptor, family 6,
subfamily M, member 1
[NPU42972](#)
DNA(spec.)—OR6M1 gene; seq.var. = ?

DNA(specification)—
OR6M2P gene;
sequence variation
name of component: olfactory receptor, family 6,
subfamily M, member 2 pseudogene
[NPU42974](#)
DNA(spec.)—OR6M2P gene; seq.var. = ?

DNA(specification)—
OR6M3P gene;
sequence variation
name of component: olfactory receptor, family 6,
subfamily M, member 3 pseudogene
[NPU43002](#)
DNA(spec.)—OR6M3P gene; seq.var. = ?

DNA(specification)—
OR6N1 gene;
sequence variation
name of component: olfactory receptor, family 6,
subfamily N, member 1
[NPU43269](#)
DNA(spec.)—OR6N1 gene; seq.var. = ?

DNA(specification)—
OR6N2 gene;
sequence variation
name of component: olfactory receptor, family 6,
subfamily N, member 2
[NPU43270](#)
DNA(spec.)—OR6N2 gene; seq.var. = ?

DNA(specification)—
OR6P1 gene;
sequence variation
name of component: olfactory receptor, family 6,
subfamily P, member 1
[NPU43271](#)
DNA(spec.)—OR6P1 gene; seq.var. = ?

DNA(specification)—
OR6Q1 gene;
sequence variation
name of component: olfactory receptor, family 6,
subfamily Q, member 1
[NPU43528](#)
DNA(spec.)—OR6Q1 gene; seq.var. = ?

DNA(specification)—**OR6R1P gene;****sequence variation**

name of component: olfactory receptor, family 6, subfamily R, member 1 pseudogene

[NPU43272](#)

DNA(spec.)—OR6R1P gene; seq.var. = ?

DNA(specification)—**OR6S1 gene;****sequence variation**

name of component: olfactory receptor, family 6, subfamily S, member 1

[NPU43589](#)

DNA(spec.)—OR6S1 gene; seq.var. = ?

DNA(specification)—**OR6T1 gene;****sequence variation**

name of component: olfactory receptor, family 6, subfamily T, member 1

[NPU43108](#)

DNA(spec.)—OR6T1 gene; seq.var. = ?

DNA(specification)—**OR6U1P gene;****sequence variation**

name of component: olfactory receptor, family 6, subfamily U, member 1 pseudogene

[NPU43562](#)

DNA(spec.)—OR6U1P gene; seq.var. = ?

DNA(specification)—**OR6U2P gene;****sequence variation**

name of component: olfactory receptor, family 6, subfamily U, member 2 pseudogene

[NPU47114](#)

DNA(spec.)—OR6U2P gene; seq.var. = ?

DNA(specification)—**OR6V1 gene;****sequence variation**

name of component: olfactory receptor, family 6, subfamily V, member 1

[NPU43317](#)

DNA(spec.)—OR6V1 gene; seq.var. = ?

DNA(specification)—**OR6W1 gene;****sequence variation**

name of component: olfactory receptor, family 6, subfamily W, member 1

[NPU43318](#)

DNA(spec.)—OR6W1 gene; seq.var. = ?

DNA(specification)—**OR6X1 gene;****sequence variation**

name of component: olfactory receptor, family 6, subfamily X, member 1

[NPU42998](#)

DNA(spec.)—OR6X1 gene; seq.var. = ?

DNA(specification)—**OR6Y1 gene;****sequence variation**

name of component: olfactory receptor, family 6, subfamily Y, member 1

[NPU43083](#)

DNA(spec.)—OR6Y1 gene; seq.var. = ?

DNA(specification)—**OR7A10 gene;****sequence variation**

name of component: olfactory receptor, family 7, subfamily A, member 10

[NPU37814](#)

DNA(spec.)—OR7A10 gene; seq.var. = ?

DNA(specification)—**OR7A11P gene;****sequence variation**

name of component: olfactory receptor, family 7, subfamily A, member 11 pseudogene

[NPU37815](#)

DNA(spec.)—OR7A11P gene; seq.var. = ?

DNA(specification)—**OR7A12P gene;****sequence variation**

name of component: olfactory receptor, family 7, subfamily A, member 12 pseudogene

[NPU37816](#)

DNA(spec.)—OR7A12P gene; seq.var. = ?

DNA(specification)—**OR7A14P gene;****sequence variation**

name of component: olfactory receptor, family 7, subfamily A, member 14 pseudogene

[NPU37817](#)

DNA(spec.)—OR7A14P gene; seq.var. = ?

DNA(specification)—**OR7A15P gene;****sequence variation**

name of component: olfactory receptor, family 7, subfamily A, member 15 pseudogene

[NPU37818](#)

DNA(spec.)—OR7A15P gene; seq.var. = ?

DNA(specification)—
OR7A17 gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily A, member 17
[NPU37819](#)
DNA(spec.)—OR7A17 gene; seq.var. = ?

DNA(specification)—
OR7A18P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily A, member 18 pseudogene
[NPU43622](#)
DNA(spec.)—OR7A18P gene; seq.var. = ?

DNA(specification)—
OR7A19P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily A, member 19 pseudogene
[NPU43563](#)
DNA(spec.)—OR7A19P gene; seq.var. = ?

DNA(specification)—
OR7A1P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily A, member 1 pseudogene
[NPU37820](#)
DNA(spec.)—OR7A1P gene; seq.var. = ?

DNA(specification)—
OR7A2 gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily A, member 2
[NPU37823](#)
DNA(spec.)—OR7A2 gene; seq.var. = ?

DNA(specification)—
OR7A3P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily A, member 3 pseudogene
[NPU37821](#)
DNA(spec.)—OR7A3P gene; seq.var. = ?

DNA(specification)—
OR7A5 gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily A, member 5 pseudogene
[NPU37822](#)
DNA(spec.)—OR7A5 gene; seq.var. = ?

DNA(specification)—
OR7A8P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily A, member 8 pseudogene
[NPU37824](#)
DNA(spec.)—OR7A8P gene; seq.var. = ?

DNA(specification)—
OR7C1 gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily C, member 1
[NPU37825](#)
DNA(spec.)—OR7C1 gene; seq.var. = ?

DNA(specification)—
OR7C2 gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily C, member 2
[NPU37826](#)
DNA(spec.)—OR7C2 gene; seq.var. = ?

DNA(specification)—
OR7D1P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily D, member 1 pseudogene
[NPU37827](#)
DNA(spec.)—OR7D1P gene; seq.var. = ?

DNA(specification)—
OR7D2 gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily D, member 2
[NPU37828](#)
DNA(spec.)—OR7D2 gene; seq.var. = ?

DNA(specification)—
OR7D4P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily D, member 4 pseudogene
[NPU37829](#)
DNA(spec.)—OR7D4P gene; seq.var. = ?

DNA(specification)—
OR7E100P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 100 pseudogene
[NPU43283](#)
DNA(spec.)—OR7E100P gene; seq.var. = ?

DNA(specification)—**OR7E101P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 101 pseudogene

[NPU43568](#)

DNA(spec.)—OR7E101P gene; seq.var. = ?

DNA(specification)—**OR7E102 gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 102

[NPU43278](#)

DNA(spec.)—OR7E102 gene; seq.var. = ?

DNA(specification)—**OR7E103P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 103 pseudogene

[NPU43293](#)

DNA(spec.)—OR7E103P gene; seq.var. = ?

DNA(specification)—**OR7E104P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 104 pseudogene

[NPU43569](#)

DNA(spec.)—OR7E104P gene; seq.var. = ?

DNA(specification)—**OR7E105P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 105 pseudogene

[NPU43590](#)

DNA(spec.)—OR7E105P gene; seq.var. = ?

DNA(specification)—**OR7E106P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 106 pseudogene

[NPU43591](#)

DNA(spec.)—OR7E106P gene; seq.var. = ?

DNA(specification)—**OR7E107P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 107 pseudogene

[NPU43279](#)

DNA(spec.)—OR7E107P gene; seq.var. = ?

DNA(specification)—**OR7E108P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 108 pseudogene

[NPU43343](#)

DNA(spec.)—OR7E108P gene; seq.var. = ?

DNA(specification)—**OR7E109P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 109 pseudogene

[NPU43344](#)

DNA(spec.)—OR7E109P gene; seq.var. = ?

DNA(specification)—**OR7E10P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 10 pseudogene

[NPU37830](#)

DNA(spec.)—OR7E10P gene; seq.var. = ?

DNA(specification)—**OR7E110P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 110 pseudogene

[NPU43352](#)

DNA(spec.)—OR7E110P gene; seq.var. = ?

DNA(specification)—**OR7E111P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 111 pseudogene

[NPU43570](#)

DNA(spec.)—OR7E111P gene; seq.var. = ?

DNA(specification)—**OR7E112P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 112 pseudogene

[NPU43345](#)

DNA(spec.)—OR7E112P gene; seq.var. = ?

DNA(specification)—**OR7E113P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 113 pseudogene

[NPU43346](#)

DNA(spec.)—OR7E113P gene; seq.var. = ?

DNA(specification)—
OR7E114P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 114 pseudogene
[NPU43347](#)
DNA(spec.)—OR7E114P gene; seq.var. = ?

DNA(specification)—
OR7E115P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 115 pseudogene
[NPU43353](#)
DNA(spec.)—OR7E115P gene; seq.var. = ?

DNA(specification)—
OR7E116P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 116 pseudogene
[NPU43348](#)
DNA(spec.)—OR7E116P gene; seq.var. = ?

DNA(specification)—
OR7E117P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 117 pseudogene
[NPU43529](#)
DNA(spec.)—OR7E117P gene; seq.var. = ?

DNA(specification)—
OR7E118P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 118 pseudogene
[NPU43319](#)
DNA(spec.)—OR7E118P gene; seq.var. = ?

DNA(specification)—
OR7E119P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily A, member 119 pseudogene
[NPU43660](#)
DNA(spec.)—OR7E119P gene; seq.var. = ?

DNA(specification)—
OR7E11P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 11 pseudogene
[NPU37831](#)
DNA(spec.)—OR7E11P gene; seq.var. = ?

DNA(specification)—
OR7E120 gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily A, member 120
[NPU43661](#)
DNA(spec.)—OR7E120 gene; seq.var. = ?

DNA(specification)—
OR7E121P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily A, member 121 pseudogene
[NPU43284](#)
DNA(spec.)—OR7E121P gene; seq.var. = ?

DNA(specification)—
OR7E122P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily A, member 122 pseudogene
[NPU43285](#)
DNA(spec.)—OR7E122P gene; seq.var. = ?

DNA(specification)—
OR7E123P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily A, member 123 pseudogene
[NPU43662](#)
DNA(spec.)—OR7E123P gene; seq.var. = ?

DNA(specification)—
OR7E124P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily A, member 124 pseudogene
[NPU43663](#)
DNA(spec.)—OR7E124P gene; seq.var. = ?

DNA(specification)—
OR7E125P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily A, member 125 pseudogene
[NPU43325](#)
DNA(spec.)—OR7E125P gene; seq.var. = ?

DNA(specification)—
OR7E126P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily A, member 126 pseudogene
[NPU43530](#)
DNA(spec.)—OR7E126P gene; seq.var. = ?

DNA(specification)—
OR7E127P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily A, member 127 pseudogene
[NPU43286](#)
DNA(spec.)—OR7E127P gene; seq.var. = ?

DNA(specification)—
OR7E128P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily A, member 128 pseudogene
[NPU43531](#)
DNA(spec.)—OR7E128P gene; seq.var. = ?

DNA(specification)—
OR7E129P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily A, member 129 pseudogene
[NPU43287](#)
DNA(spec.)—OR7E129P gene; seq.var. = ?

DNA(specification)—
OR7E12P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 12 pseudogene
[NPU37832](#)
DNA(spec.)—OR7E12P gene; seq.var. = ?

DNA(specification)—
OR7E130P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily A, member 130 pseudogene
[NPU43288](#)
DNA(spec.)—OR7E130P gene; seq.var. = ?

DNA(specification)—
OR7E131P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily A, member 131 pseudogene
[NPU43289](#)
DNA(spec.)—OR7E131P gene; seq.var. = ?

DNA(specification)—
OR7E132P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily A, member 132 pseudogene
[NPU43290](#)
DNA(spec.)—OR7E132P gene; seq.var. = ?

DNA(specification)—
OR7E133P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 133 pseudogene
[NPU47122](#)
DNA(spec.)—OR7E133P gene; seq.var. = ?

DNA(specification)—
OR7E135P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 135 pseudogene
[NPU47048](#)
DNA(spec.)—OR7E135P gene; seq.var. = ?

DNA(specification)—
OR7E136P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 136 pseudogene
[NPU47050](#)
DNA(spec.)—OR7E136P gene; seq.var. = ?

DNA(specification)—
OR7E137P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 137 pseudogene
[NPU47051](#)
DNA(spec.)—OR7E137P gene; seq.var. = ?

DNA(specification)—
OR7E138P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 138 pseudogene
[NPU47052](#)
DNA(spec.)—OR7E138P gene; seq.var. = ?

DNA(specification)—
OR7E139P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 139 pseudogene
[NPU47053](#)
DNA(spec.)—OR7E139P gene; seq.var. = ?

DNA(specification)—
OR7E13P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 13 pseudogene
[NPU37833](#)
DNA(spec.)—OR7E13P gene; seq.var. = ?

DNA(specification)—**OR7E140P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 140 pseudogene

[NPU47054](#)

DNA(spec.)—OR7E140P gene; seq.var. = ?

DNA(specification)—**OR7E141P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 141 pseudogene

[NPU47124](#)

DNA(spec.)—OR7E141P gene; seq.var. = ?

DNA(specification)—**OR7E142P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 142 pseudogene

[NPU47125](#)

DNA(spec.)—OR7E142P gene; seq.var. = ?

DNA(specification)—**OR7E143P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 143 pseudogene

[NPU47075](#)

DNA(spec.)—OR7E143P gene; seq.var. = ?

DNA(specification)—**OR7E144P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 144 pseudogene

[NPU47101](#)

DNA(spec.)—OR7E144P gene; seq.var. = ?

DNA(specification)—**OR7E145P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 145 pseudogene

[NPU47102](#)

DNA(spec.)—OR7E145P gene; seq.var. = ?

DNA(specification)—**OR7E147P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 147 pseudogene

[NPU47077](#)

DNA(spec.)—OR7E147P gene; seq.var. = ?

DNA(specification)—**OR7E148P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 148 pseudogene

[NPU47123](#)

DNA(spec.)—OR7E148P gene; seq.var. = ?

DNA(specification)—**OR7E149P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 149 pseudogene

[NPU47078](#)

DNA(spec.)—OR7E149P gene; seq.var. = ?

DNA(specification)—**OR7E14P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 14 pseudogene

[NPU37834](#)

DNA(spec.)—OR7E14P gene; seq.var. = ?

DNA(specification)—**OR7E150P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 150 pseudogene

[NPU47109](#)

DNA(spec.)—OR7E150P gene; seq.var. = ?

DNA(specification)—**OR7E15P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 15 pseudogene

[NPU37835](#)

DNA(spec.)—OR7E15P gene; seq.var. = ?

DNA(specification)—**OR7E16P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 16 pseudogene

[NPU37836](#)

DNA(spec.)—OR7E16P gene; seq.var. = ?

DNA(specification)—**OR7E18P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 18 pseudogene

[NPU37837](#)

DNA(spec.)—OR7E18P gene; seq.var. = ?

DNA(specification)—**OR7E19P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 19 pseudogene

[NPU37838](#)

DNA(spec.)—OR7E19P gene; seq.var. = ?

DNA(specification)—**OR7E1P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 1 pseudogene

[NPU37839](#)

DNA(spec.)—OR7E1P gene; seq.var. = ?

DNA(specification)—**OR7E20P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 20 pseudogene

[NPU37840](#)

DNA(spec.)—OR7E20P gene; seq.var. = ?

DNA(specification)—**OR7E21P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 21 pseudogene

[NPU37841](#)

DNA(spec.)—OR7E21P gene; seq.var. = ?

DNA(specification)—**OR7E22P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 22 pseudogene

[NPU37842](#)

DNA(spec.)—OR7E22P gene; seq.var. = ?

DNA(specification)—**OR7E23P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 23 pseudogene

[NPU37843](#)

DNA(spec.)—OR7E23P gene; seq.var. = ?

DNA(specification)—**OR7E24P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 24 pseudogene

[NPU37844](#)

DNA(spec.)—OR7E24P gene; seq.var. = ?

DNA(specification)—**OR7E25P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 25 pseudogene

[NPU37845](#)

DNA(spec.)—OR7E25P gene; seq.var. = ?

DNA(specification)—**OR7E26P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 26 pseudogene

[NPU37846](#)

DNA(spec.)—OR7E26P gene; seq.var. = ?

DNA(specification)—**OR7E27P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 27 pseudogene

[NPU37847](#)

DNA(spec.)—OR7E27P gene; seq.var. = ?

DNA(specification)—**OR7E28P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 28 pseudogene

[NPU37848](#)

DNA(spec.)—OR7E28P gene; seq.var. = ?

DNA(specification)—**OR7E29P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 29 pseudogene

[NPU37849](#)

DNA(spec.)—OR7E29P gene; seq.var. = ?

DNA(specification)—**OR7E2P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 2 pseudogene

[NPU37850](#)

DNA(spec.)—OR7E2P gene; seq.var. = ?

DNA(specification)—**OR7E30P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 30 pseudogene

[NPU37851](#)

DNA(spec.)—OR7E30P gene; seq.var. = ?

DNA(specification)—
OR7E31P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 31 pseudogene
[NPU37852](#)
DNA(spec.)—OR7E31P gene; seq.var. = ?

DNA(specification)—
OR7E33P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 33 pseudogene
[NPU37853](#)
DNA(spec.)—OR7E33P gene; seq.var. = ?

DNA(specification)—
OR7E34P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 34 pseudogene
[NPU37854](#)
DNA(spec.)—OR7E34P gene; seq.var. = ?

DNA(specification)—
OR7E35P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 35 pseudogene
[NPU37855](#)
DNA(spec.)—OR7E35P gene; seq.var. = ?

DNA(specification)—
OR7E36P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 36 pseudogene
[NPU37856](#)
DNA(spec.)—OR7E36P gene; seq.var. = ?

DNA(specification)—
OR7E37P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 37 pseudogene
[NPU37857](#)
DNA(spec.)—OR7E37P gene; seq.var. = ?

DNA(specification)—
OR7E38P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 38 pseudogene
[NPU37858](#)
DNA(spec.)—OR7E38P gene; seq.var. = ?

DNA(specification)—
OR7E39P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 39 pseudogene
[NPU37859](#)
DNA(spec.)—OR7E39P gene; seq.var. = ?

DNA(specification)—
OR7E3P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 3 pseudogene
[NPU37860](#)
DNA(spec.)—OR7E3P gene; seq.var. = ?

DNA(specification)—
OR7E40P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 40 pseudogene
[NPU37861](#)
DNA(spec.)—OR7E40P gene; seq.var. = ?

DNA(specification)—
OR7E41P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 41 pseudogene
[NPU37862](#)
DNA(spec.)—OR7E41P gene; seq.var. = ?

DNA(specification)—
OR7E42P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 42 pseudogene
[NPU37863](#)
DNA(spec.)—OR7E42P gene; seq.var. = ?

DNA(specification)—
OR7E43P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 43 pseudogene
[NPU37864](#)
DNA(spec.)—OR7E43P gene; seq.var. = ?

DNA(specification)—
OR7E44P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 44 pseudogene
[NPU37865](#)
DNA(spec.)—OR7E44P gene; seq.var. = ?

DNA(specification)—**OR7E45P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 45 pseudogene

[NPU37866](#)

DNA(spec.)—OR7E45P gene; seq.var. = ?

DNA(specification)—**OR7E46P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 46 pseudogene

[NPU37867](#)

DNA(spec.)—OR7E46P gene; seq.var. = ?

DNA(specification)—**OR7E47P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 47 pseudogene

[NPU37868](#)

DNA(spec.)—OR7E47P gene; seq.var. = ?

DNA(specification)—**OR7E48P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 48 pseudogene

[NPU37869](#)

DNA(spec.)—OR7E48P gene; seq.var. = ?

DNA(specification)—**OR7E4P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 4 pseudogene

[NPU37870](#)

DNA(spec.)—OR7E4P gene; seq.var. = ?

DNA(specification)—**OR7E50P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 50 pseudogene

[NPU37871](#)

DNA(spec.)—OR7E50P gene; seq.var. = ?

DNA(specification)—**OR7E52P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 52 pseudogene

[NPU37872](#)

DNA(spec.)—OR7E52P gene; seq.var. = ?

DNA(specification)—**OR7E53P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 53 pseudogene

[NPU37873](#)

DNA(spec.)—OR7E53P gene; seq.var. = ?

DNA(specification)—**OR7E54P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 54 pseudogene

[NPU37874](#)

DNA(spec.)—OR7E54P gene; seq.var. = ?

DNA(specification)—**OR7E55P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 55 pseudogene

[NPU37875](#)

DNA(spec.)—OR7E55P gene; seq.var. = ?

DNA(specification)—**OR7E56P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 56 pseudogene

[NPU37876](#)

DNA(spec.)—OR7E56P gene; seq.var. = ?

DNA(specification)—**OR7E57P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 57 pseudogene

[NPU37877](#)

DNA(spec.)—OR7E57P gene; seq.var. = ?

DNA(specification)—**OR7E59P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 59 pseudogene

[NPU37878](#)

DNA(spec.)—OR7E59P gene; seq.var. = ?

DNA(specification)—**OR7E5P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 5 pseudogene

[NPU37879](#)

DNA(spec.)—OR7E5P gene; seq.var. = ?

DNA(specification)—
OR7E62P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 62 pseudogene
[NPU37880](#)
DNA(spec.)—OR7E62P gene; seq.var. = ?

DNA(specification)—
OR7E66P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 66 pseudogene
[NPU37881](#)
DNA(spec.)—OR7E66P gene; seq.var. = ?

DNA(specification)—
OR7E68P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 68 pseudogene
[NPU37882](#)
DNA(spec.)—OR7E68P gene; seq.var. = ?

DNA(specification)—
OR7E77P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 77 pseudogene
[NPU37883](#)
DNA(spec.)—OR7E77P gene; seq.var. = ?

DNA(specification)—
OR7E7P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 7 pseudogene
[NPU37884](#)
DNA(spec.)—OR7E7P gene; seq.var. = ?

DNA(specification)—
OR7E80P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 80 pseudogene
[NPU43326](#)
DNA(spec.)—OR7E80P gene; seq.var. = ?

DNA(specification)—
OR7E81P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 81 pseudogene
[NPU43664](#)
DNA(spec.)—OR7E81P gene; seq.var. = ?

DNA(specification)—
OR7E83P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 83 pseudogene
[NPU42950](#)
DNA(spec.)—OR7E83P gene; seq.var. = ?

DNA(specification)—
OR7E84P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 84 pseudogene
[NPU42952](#)
DNA(spec.)—OR7E84P gene; seq.var. = ?

DNA(specification)—
OR7E85P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 85 pseudogene
[NPU42954](#)
DNA(spec.)—OR7E85P gene; seq.var. = ?

DNA(specification)—
OR7E86P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 86 pseudogene
[NPU42956](#)
DNA(spec.)—OR7E86P gene; seq.var. = ?

DNA(specification)—
OR7E87P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 87 pseudogene
[NPU42971](#)
DNA(spec.)—OR7E87P gene; seq.var. = ?

DNA(specification)—
OR7E88P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 88 pseudogene
[NPU42978](#)
DNA(spec.)—OR7E88P gene; seq.var. = ?

DNA(specification)—
OR7E89P gene;
sequence variation
name of component: olfactory receptor, family 7,
subfamily E, member 89 pseudogene
[NPU42991](#)
DNA(spec.)—OR7E89P gene; seq.var. = ?

DNA(specification)—**OR7E8P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 8 pseudogene

[NPU37885](#)

DNA(spec.)—OR7E8P gene; seq.var. = ?

DNA(specification)—**OR7E90P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 90 pseudogene

[NPU42994](#)

DNA(spec.)—OR7E90P gene; seq.var. = ?

DNA(specification)—**OR7E91P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 91 pseudogene

[NPU43008](#)

DNA(spec.)—OR7E91P gene; seq.var. = ?

DNA(specification)—**OR7E92P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 92 pseudogene

[NPU43036](#)

DNA(spec.)—OR7E92P gene; seq.var. = ?

DNA(specification)—**OR7E93P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 93 pseudogene

[NPU43040](#)

DNA(spec.)—OR7E93P gene; seq.var. = ?

DNA(specification)—**OR7E94P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 94 pseudogene

[NPU43049](#)

DNA(spec.)—OR7E94P gene; seq.var. = ?

DNA(specification)—**OR7E95P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 95 pseudogene

[NPU43062](#)

DNA(spec.)—OR7E95P gene; seq.var. = ?

DNA(specification)—**OR7E96P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 96 pseudogene

[NPU43075](#)

DNA(spec.)—OR7E96P gene; seq.var. = ?

DNA(specification)—**OR7E97P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 97 pseudogene

[NPU43094](#)

DNA(spec.)—OR7E97P gene; seq.var. = ?

DNA(specification)—**OR7E98P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 98 pseudogene

[NPU43623](#)

DNA(spec.)—OR7E98P gene; seq.var. = ?

DNA(specification)—**OR7E99P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 99 pseudogene

[NPU43294](#)

DNA(spec.)—OR7E99P gene; seq.var. = ?

DNA(specification)—**OR7E9P gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily E, member 9 pseudogene

[NPU37886](#)

DNA(spec.)—OR7E9P gene; seq.var. = ?

DNA(specification)—**OR7G1 gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily G, member 1

[NPU37887](#)

DNA(spec.)—OR7G1 gene; seq.var. = ?

DNA(specification)—**OR7G2 gene;****sequence variation**

name of component: olfactory receptor, family 7,
subfamily G, member 2

[NPU37888](#)

DNA(spec.)—OR7G2 gene; seq.var. = ?

DNA(specification)—**OR7G3 gene;****sequence variation**

name of component: olfactory receptor, family 7, subfamily G, member 3

[NPU37889](#)

DNA(spec.)—OR7G3 gene; seq.var. = ?

DNA(specification)—**OR7H1P gene;****sequence variation**

name of component: olfactory receptor, family 7, subfamily H, member 1 pseudogene

[NPU37890](#)

DNA(spec.)—OR7H1P gene; seq.var. = ?

DNA(specification)—**OR7K1P gene;****sequence variation**

name of component: olfactory receptor, family 7, subfamily K, member 1 pseudogene

[NPU43592](#)

DNA(spec.)—OR7K1P gene; seq.var. = ?

DNA(specification)—**OR7L1P gene;****sequence variation**

name of component: olfactory receptor, family 7, subfamily L, member 1 pseudogene

[NPU43087](#)

DNA(spec.)—OR7L1P gene; seq.var. = ?

DNA(specification)—**OR7M1P gene;****sequence variation**

name of component: olfactory receptor, family 7, subfamily M, member 1 pseudogene

[NPU43354](#)

DNA(spec.)—OR7M1P gene; seq.var. = ?

DNA(specification)—**OR8A1 gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily A, member 1

[NPU37891](#)

DNA(spec.)—OR8A1 gene; seq.var. = ?

DNA(specification)—**OR8A2P gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily A, member 2 pseudogene

[NPU43532](#)

DNA(spec.)—OR8A2P gene; seq.var. = ?

DNA(specification)—**OR8B10P gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily B, member 10 pseudogene

[NPU43012](#)

DNA(spec.)—OR8B10P gene; seq.var. = ?

DNA(specification)—**OR8B11P gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily B, member 11 pseudogene

[NPU43603](#)

DNA(spec.)—OR8B11P gene; seq.var. = ?

DNA(specification)—**OR8B12 gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily B, member 12

[NPU43533](#)

DNA(spec.)—OR8B12 gene; seq.var. = ?

DNA(specification)—**OR8B1P gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily B, member 1 pseudogene

[NPU37892](#)

DNA(spec.)—OR8B1P gene; seq.var. = ?

DNA(specification)—**OR8B2 gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily B, member 2

[NPU37893](#)

DNA(spec.)—OR8B2 gene; seq.var. = ?

DNA(specification)—**OR8B3 gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily B, member 3

[NPU37894](#)

DNA(spec.)—OR8B3 gene; seq.var. = ?

DNA(specification)—**OR8B4 gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily B, member 4

[NPU37895](#)

DNA(spec.)—OR8B4 gene; seq.var. = ?

DNA(specification)—**OR8B5P gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily B, member 5 pseudogene

[NPU37896](#)

DNA(spec.)—OR8B5P gene; seq.var. = ?

DNA(specification)—**OR8B6P gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily B, member 6 pseudogene

[NPU37897](#)

DNA(spec.)—OR8B6P gene; seq.var. = ?

DNA(specification)—**OR8B7P gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily B, member 7 pseudogene

[NPU37898](#)

DNA(spec.)—OR8B7P gene; seq.var. = ?

DNA(specification)—**OR8B8 gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily B, member 8

[NPU37899](#)

DNA(spec.)—OR8B8 gene; seq.var. = ?

DNA(specification)—**OR8B9P gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily B, member 9 pseudogene

[NPU43007](#)

DNA(spec.)—OR8B9P gene; seq.var. = ?

DNA(specification)—**OR8C1P gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily C, member 1 pseudogene

[NPU37900](#)

DNA(spec.)—OR8C1P gene; seq.var. = ?

DNA(specification)—**OR8C3P gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily C, member 3 pseudogene

[NPU37901](#)

DNA(spec.)—OR8C3P gene; seq.var. = ?

DNA(specification)—**OR8D1 gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily D, member 1

[NPU37902](#)

DNA(spec.)—OR8D1 gene; seq.var. = ?

DNA(specification)—**OR8D2 gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily D, member 2

[NPU37903](#)

DNA(spec.)—OR8D2 gene; seq.var. = ?

DNA(specification)—**OR8D4 gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily D, member 4

[NPU43100](#)

DNA(spec.)—OR8D4 gene; seq.var. = ?

DNA(specification)—**OR8F1P gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily F, member 1 pseudogene

[NPU42953](#)

DNA(spec.)—OR8F1P gene; seq.var. = ?

DNA(specification)—**OR8G1 gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily G, member 1

[NPU37904](#)

DNA(spec.)—OR8G1 gene; seq.var. = ?

DNA(specification)—**OR8G2 gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily G, member 2

[NPU37905](#)

DNA(spec.)—OR8G2 gene; seq.var. = ?

DNA(specification)—**OR8G3P gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily G, member 3 pseudogene

[NPU42960](#)

DNA(spec.)—OR8G3P gene; seq.var. = ?

DNA(specification)—**OR8G4 gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily G, member 4

[NPU47105](#)

DNA(spec.)—OR8G4 gene; seq.var. = ?

DNA(specification)—**OR8G5P gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily G, member 5 pseudogene

[NPU47106](#)

DNA(spec.)—OR8G5P gene; seq.var. = ?

DNA(specification)—**OR8G6 gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily G, member 6

[NPU47107](#)

DNA(spec.)—OR8G6 gene; seq.var. = ?

DNA(specification)—**OR8G7P gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily G, member 7 pseudogene

[NPU47108](#)

DNA(spec.)—OR8G7P gene; seq.var. = ?

DNA(specification)—**OR8H1 gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily H, member 1

[NPU43084](#)

DNA(spec.)—OR8H1 gene; seq.var. = ?

DNA(specification)—**OR8H2 gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily H, member 2

[NPU43534](#)

DNA(spec.)—OR8H2 gene; seq.var. = ?

DNA(specification)—**OR8H3 gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily H, member 3

[NPU43535](#)

DNA(spec.)—OR8H3 gene; seq.var. = ?

DNA(specification)—**OR8I1P gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily I, member 1 pseudogene

[NPU43088](#)

DNA(spec.)—OR8I1P gene; seq.var. = ?

DNA(specification)—**OR8I2 gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily I, member 2

[NPU43536](#)

DNA(spec.)—OR8I2 gene; seq.var. = ?

DNA(specification)—**OR8J1 gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily J, member 1

[NPU43115](#)

DNA(spec.)—OR8J1 gene; seq.var. = ?

DNA(specification)—**OR8J2P gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily J, member 2 pseudogene

[NPU43537](#)

DNA(spec.)—OR8J2P gene; seq.var. = ?

DNA(specification)—**OR8J3 gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily J, member 3

[NPU43538](#)

DNA(spec.)—OR8J3 gene; seq.var. = ?

DNA(specification)—**OR8K1 gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily K, member 1

[NPU43091](#)

DNA(spec.)—OR8K1 gene; seq.var. = ?

DNA(specification)—**OR8K2P gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily K, member 2 pseudogene

[NPU43092](#)

DNA(spec.)—OR8K2P gene; seq.var. = ?

DNA(specification)—**OR8K3 gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily K, member 3

[NPU43539](#)

DNA(spec.)—OR8K3 gene; seq.var. = ?

DNA(specification)—**OR8K4P gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily K, member 4 pseudogene

[NPU43540](#)

DNA(spec.)—OR8K4P gene; seq.var. = ?

DNA(specification)—**OR8K5 gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily K, member 5

[NPU43541](#)

DNA(spec.)—OR8K5 gene; seq.var. = ?

DNA(specification)—**OR8L1P gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily L, member 1 pseudogene

[NPU43542](#)

DNA(spec.)—OR8L1P gene; seq.var. = ?

DNA(specification)—**OR8N1P gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily N, member 1 pseudogene

[NPU43295](#)

DNA(spec.)—OR8N1P gene; seq.var. = ?

DNA(specification)—**OR8Q1P gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily Q, member 1 pseudogene

[NPU43543](#)

DNA(spec.)—OR8Q1P gene; seq.var. = ?

DNA(specification)—**OR8R1P gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily R, member 1 pseudogene

[NPU43544](#)

DNA(spec.)—OR8R1P gene; seq.var. = ?

DNA(specification)—**OR8S1 gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily S, member 1

[NPU47111](#)

DNA(spec.)—OR8S1 gene; seq.var. = ?

DNA(specification)—**OR8T1P gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily T, member 1 pseudogene

[NPU47113](#)

DNA(spec.)—OR8T1P gene; seq.var. = ?

DNA(specification)—**OR8U1 gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily U, member 1

[NPU47096](#)

DNA(spec.)—OR8U1 gene; seq.var. = ?

DNA(specification)—**OR8V1P gene;****sequence variation**

name of component: olfactory receptor, family 8, subfamily V, member 1 pseudogene

[NPU47098](#)

DNA(spec.)—OR8V1P gene; seq.var. = ?

DNA(specification)—**OR9A1P gene;****sequence variation**

name of component: olfactory receptor, family 9, subfamily A, member 1, pseudogene

[NPU37906](#)

DNA(spec.)—OR9A1P gene; seq.var. = ?

DNA(specification)—**OR9A2 gene;****sequence variation**

name of component: olfactory receptor, family 9, subfamily A, member 2

[NPU43320](#)

DNA(spec.)—OR9A2 gene; seq.var. = ?

DNA(specification)—**OR9A3P gene;****sequence variation**

name of component: olfactory receptor, family 9, subfamily A, member 3 pseudogene

[NPU43321](#)

DNA(spec.)—OR9A3P gene; seq.var. = ?

DNA(specification)—**OR9A4 gene;****sequence variation**

name of component: olfactory receptor, family 9, subfamily A, member 4

[NPU43322](#)

DNA(spec.)—OR9A4 gene; seq.var. = ?

DNA(specification)—**OR9A5P gene;****sequence variation**

name of component: olfactory receptor, family 9, subfamily A, member 5 pseudogene

[NPU47056](#)

DNA(spec.)—OR9A5P gene; seq.var. = ?

DNA(specification)—**OR9A6P gene;****sequence variation**

name of component: olfactory receptor, family 9, subfamily A, member 6 pseudogene

[NPU47057](#)

DNA(spec.)—OR9A6P gene; seq.var. = ?

DNA(specification)—**OR9G1 gene;****sequence variation**

name of component: olfactory receptor, family 9, subfamily G, member 1

[NPU43545](#)

DNA(spec.)—OR9G1 gene; seq.var. = ?

DNA(specification)—**OR9G2P gene;****sequence variation**

name of component: olfactory receptor, family 9, subfamily G, member 2 pseudogene

[NPU43546](#)

DNA(spec.)—OR9G2P gene; seq.var. = ?

DNA(specification)—**OR9G3P gene;****sequence variation**

name of component: olfactory receptor, family 9, subfamily G, member 3 pseudogene

[NPU43547](#)

DNA(spec.)—OR9G3P gene; seq.var. = ?

DNA(specification)—**OR9G4 gene;****sequence variation**

name of component: olfactory receptor, family 9, subfamily G, member 4

[NPU43548](#)

DNA(spec.)—OR9G4 gene; seq.var. = ?

DNA(specification)—**OR9G5 gene;****sequence variation**

name of component: olfactory receptor, family 9, subfamily G, member 5

[NPU43549](#)

DNA(spec.)—OR9G5 gene; seq.var. = ?

DNA(specification)—**OR9G6 gene;****sequence variation**

name of component: olfactory receptor, family 9, subfamily G, member 6

[NPU47094](#)

DNA(spec.)—OR9G6 gene; seq.var. = ?

DNA(specification)—**OR9H1P gene;****sequence variation**

name of component: olfactory receptor, family 9, subfamily H, member 1 pseudogene

[NPU43273](#)

DNA(spec.)—OR9H1P gene; seq.var. = ?

DNA(specification)—**OR9I1 gene;****sequence variation**

name of component: olfactory receptor, family 9, subfamily I, member 1

[NPU42979](#)

DNA(spec.)—OR9I1 gene; seq.var. = ?

DNA(specification)—**OR9I2P gene;****sequence variation**

name of component: olfactory receptor, family 9, subfamily I, member 2 pseudogene

[NPU43550](#)

DNA(spec.)—OR9I2P gene; seq.var. = ?

DNA(specification)—**OR9I3P gene;****sequence variation**

name of component: olfactory receptor, family 9, subfamily I, member 3 pseudogene

[NPU43551](#)

DNA(spec.)—OR9I3P gene; seq.var. = ?

DNA(specification)—**OR9J1 gene;****sequence variation**

name of component: olfactory receptor, family 9, subfamily J, member 1

[NPU42981](#)

DNA(spec.)—OR9J1 gene; seq.var. = ?

DNA(specification)—
OR9K1P gene;
sequence variation
name of component: olfactory receptor, family 9,
subfamily K, member 1 pseudogene
[NPU43564](#)
DNA(spec.)—OR9K1P gene; seq.var. = ?

DNA(specification)—
OR9K2 gene;
sequence variation
name of component: olfactory receptor, family 9,
subfamily K, member 2
[NPU43565](#)
DNA(spec.)—OR9K2 gene; seq.var. = ?

DNA(specification)—
OR9L1P gene;
sequence variation
name of component: olfactory receptor, family 9,
subfamily L, member 1 pseudogene
[NPU43022](#)
DNA(spec.)—OR9L1P gene; seq.var. = ?

DNA(specification)—
OR9L2P gene;
sequence variation
name of component: olfactory receptor, family 9,
subfamily L, member 2 pseudogene
[NPU43552](#)
DNA(spec.)—OR9L2P gene; seq.var. = ?

DNA(specification)—
OR9M1P gene;
sequence variation
name of component: olfactory receptor, family 9,
subfamily M, member 1 pseudogene
[NPU43553](#)
DNA(spec.)—OR9M1P gene; seq.var. = ?

DNA(specification)—
OR9N1P gene;
sequence variation
name of component: olfactory receptor, family 9,
subfamily N, member 1 pseudogene
[NPU43323](#)
DNA(spec.)—OR9N1P gene; seq.var. = ?

DNA(specification)—
OR9P1P gene;
sequence variation
name of component: olfactory receptor, family 9,
subfamily P, member 1 pseudogene
[NPU43324](#)
DNA(spec.)—OR9P1P gene; seq.var. = ?

DNA(specification)—
OR9P2P gene;
sequence variation
name of component: olfactory receptor, family 9,
subfamily P, member 2 pseudogene
[NPU47046](#)
DNA(spec.)—OR9P2P gene; seq.var. = ?

DNA(specification)—
OR9Q1 gene;
sequence variation
name of component: olfactory receptor, family 9,
subfamily Q, member 1
[NPU42985](#)
DNA(spec.)—OR9Q1 gene; seq.var. = ?

DNA(specification)—
OR9Q2P gene;
sequence variation
name of component: olfactory receptor, family 9,
subfamily Q, member 2 pseudogene
[NPU43554](#)
DNA(spec.)—OR9Q2P gene; seq.var. = ?

DNA(specification)—
OR9R1P gene;
sequence variation
name of component: olfactory receptor, family 9,
subfamily R, member 1 pseudogene
[NPU43566](#)
DNA(spec.)—OR9R1P gene; seq.var. = ?

DNA(specification)—
ORAOV1 gene;
sequence variation
name of component: oral cancer overexpressed 1
[NPU46054](#)
DNA(spec.)—ORAOV1 gene; seq.var. = ?

DNA(specification)—
ORC1L gene;
sequence variation
name of component: origin recognition complex,
subunit 1-like (yeast)
[NPU37907](#)
DNA(spec.)—ORC1L gene; seq.var. = ?

DNA(specification)—
ORC2L gene;
sequence variation
name of component: origin recognition complex,
subunit 2-like (yeast)
[NPU37908](#)
DNA(spec.)—ORC2L gene; seq.var. = ?

DNA(specification)—
ORC3L gene;
sequence variation
name of component: origin recognition complex,
subunit 3-like (yeast)
[NPU37909](#)
DNA(spec.)—ORC3L gene; seq.var. = ?

DNA(specification)—
ORC4L gene;
sequence variation
name of component: origin recognition complex,
subunit 4-like (yeast)
[NPU37910](#)
DNA(spec.)—ORC4L gene; seq.var. = ?

DNA(specification)—
ORC5L gene;
sequence variation
name of component: origin recognition complex,
subunit 5-like (yeast)
[NPU37911](#)
DNA(spec.)—ORC5L gene; seq.var. = ?

DNA(specification)—
ORC6L gene;
sequence variation
name of component: origin recognition complex,
subunit 6 homolog-like (yeast)
[NPU44883](#)
DNA(spec.)—ORC6L gene; seq.var. = ?

DNA(specification)—
ORCTL3 gene;
sequence variation
name of component: organic cationic transporter-
like 3
[NPU37912](#)
DNA(spec.)—ORCTL3 gene; seq.var. = ?

DNA(specification)—
ORCTL4 gene;
sequence variation
name of component: organic cationic transporter-
like 4
[NPU37913](#)
DNA(spec.)—ORCTL4 gene; seq.var. = ?

DNA(specification)—
ORM1 gene;
sequence variation
name of component: orosomucoid 1
[NPU37916](#)
DNA(spec.)—ORM1 gene; seq.var. = ?

DNA(specification)—
ORM2 gene;
sequence variation
name of component: orosomucoid 2
[NPU37917](#)
DNA(spec.)—ORM2 gene; seq.var. = ?

DNA(specification)—
ORMDL1 gene;
sequence variation
name of component: ORM1-like 1 (*S. cerevisiae*)
[NPU44098](#)
DNA(spec.)—ORMDL1 gene; seq.var. = ?

DNA(specification)—
ORMDL2 gene;
sequence variation
name of component: ORM1-like 2 (*S. cerevisiae*)
[NPU44099](#)
DNA(spec.)—ORMDL2 gene; seq.var. = ?

DNA(specification)—
ORMDL3 gene;
sequence variation
name of component: ORM1-like 3 (*S. cerevisiae*)
[NPU44100](#)
DNA(spec.)—ORMDL3 gene; seq.var. = ?

DNA(specification)—
OSBP gene;
sequence variation
name of component: oxysterol binding protein
[NPU37918](#)
DNA(spec.)—OSBP gene; seq.var. = ?

DNA(specification)—
OSBP2 gene;
sequence variation
name of component: oxysterol binding protein 2
[NPU37919](#)
DNA(spec.)—OSBP2 gene; seq.var. = ?

DNA(specification)—
OSBPL10 gene;
sequence variation
name of component: oxysterol binding protein-like
10
[NPU44403](#)
DNA(spec.)—OSBPL10 gene; seq.var. = ?

DNA(specification)—
OSBPL11 gene;
sequence variation
name of component: oxysterol binding protein-like
11
[NPU44405](#)
DNA(spec.)—OSBPL11 gene; seq.var. = ?

DNA(specification)—
OSBPL1A gene;
sequence variation
 name of component: oxysterol binding protein-like
 1A
[NPU44406](#)
 DNA(spec.)—OSBPL1A gene; seq.var. = ?

DNA(specification)—
OSBPL2 gene;
sequence variation
 name of component: oxysterol binding protein-like
 2
[NPU43878](#)
 DNA(spec.)—OSBPL2 gene; seq.var. = ?

DNA(specification)—
OSBPL3 gene;
sequence variation
 name of component: oxysterol binding protein-like
 3
[NPU44381](#)
 DNA(spec.)—OSBPL3 gene; seq.var. = ?

DNA(specification)—
OSBPL5 gene;
sequence variation
 name of component: oxysterol binding protein-like
 5
[NPU44400](#)
 DNA(spec.)—OSBPL5 gene; seq.var. = ?

DNA(specification)—
OSBPL6 gene;
sequence variation
 name of component: oxysterol binding protein-like
 6
[NPU44396](#)
 DNA(spec.)—OSBPL6 gene; seq.var. = ?

DNA(specification)—
OSBPL7 gene;
sequence variation
 name of component: oxysterol binding protein-like
 7
[NPU44395](#)
 DNA(spec.)—OSBPL7 gene; seq.var. = ?

DNA(specification)—
OSBPL8 gene;
sequence variation
 name of component: oxysterol binding protein-like
 8
[NPU44404](#)
 DNA(spec.)—OSBPL8 gene; seq.var. = ?

DNA(specification)—
OSBPL9 gene;
sequence variation
 name of component: oxysterol binding protein-like
 9
[NPU44394](#)
 DNA(spec.)—OSBPL9 gene; seq.var. = ?

DNA(specification)—
OSGEP gene;
sequence variation
 name of component: O-sialoglycoprotein endopep-
 tidase
[NPU46242](#)
 DNA(spec.)—OSGEP gene; seq.var. = ?

DNA(specification)—
OSIL gene;
sequence variation
 name of component: oxidative stress induced like
[NPU37920](#)
 DNA(spec.)—OSIL gene; seq.var. = ?

DNA(specification)—
OSM gene;
sequence variation
 name of component: oncostatin M
[NPU37921](#)
 DNA(spec.)—OSM gene; seq.var. = ?

DNA(specification)—
OSMR gene;
sequence variation
 name of component: oncostatin M receptor
[NPU37922](#)
 DNA(spec.)—OSMR gene; seq.var. = ?

DNA(specification)—
OSR1 gene;
sequence variation
 name of component: oxidative-stress responsive 1
[NPU37923](#)
 DNA(spec.)—OSR1 gene; seq.var. = ?

DNA(specification)—
OSTF1 gene;
sequence variation
 name of component: osteoclast stimulating factor 1
[NPU37924](#)
 DNA(spec.)—OSTF1 gene; seq.var. = ?

DNA(specification)—
OTC gene;
sequence variation
 name of component: ornithine carbamoyltrans-
 ferase
[NPU19161](#)
 DNA(spec.)—OTC gene; seq.var. = ?

DNA(specification)— OTOA gene; sequence variation name of component: otoancorin NPU44388 DNA(spec.)—OTOA gene; seq.var. = ?	DNA(specification)— OTSC4 gene; sequence variation name of component: otosclerosis 4 NPU47343 DNA(spec.)—OTSC4 gene; seq.var. = ?
DNA(specification)— OTOF gene; sequence variation name of component: otoferlin NPU37926 DNA(spec.)—OTOF gene; seq.var. = ?	DNA(specification)— OTSC5 gene; sequence variation name of component: otosclerosis 5 NPU47511 DNA(spec.)—OTSC5 gene; seq.var. = ?
DNA(specification)— OTOG gene; sequence variation name of component: otogelin NPU37927 DNA(spec.)—OTOG gene; seq.var. = ?	DNA(specification)— OTSC6 gene; sequence variation name of component: otosclerosis 6 NPU47591 DNA(spec.)—OTSC6 gene; seq.var. = ?
DNA(specification)— OTOR gene; sequence variation name of component: otoraplin NPU37928 DNA(spec.)—OTOR gene; seq.var. = ?	DNA(specification)— OTX1 gene; sequence variation name of component: orthodenticle homolog 1 (Drosophila) NPU37932 DNA(spec.)—OTX1 gene; seq.var. = ?
DNA(specification)— OTP gene; sequence variation name of component: orthopedia homolog (Drosophila) NPU37929 DNA(spec.)—OTP gene; seq.var. = ?	DNA(specification)— OTX2 gene; sequence variation name of component: orthodenticle homolog 2 (Drosophila) NPU37933 DNA(spec.)—OTX2 gene; seq.var. = ?
DNA(specification)— OTSC1 gene; sequence variation name of component: otosclerosis 1 NPU37930 DNA(spec.)—OTSC1 gene; seq.var. = ?	DNA(specification)— OTX3 gene; sequence variation name of component: orthodenticle homolog 3 (Drosophila) NPU46827 DNA(spec.)—OTX3 gene; seq.var. = ?
DNA(specification)— OTSC2 gene; sequence variation name of component: otosclerosis 2 NPU37931 DNA(spec.)—OTSC2 gene; seq.var. = ?	DNA(specification)— OVCOV1 gene; sequence variation name of component: ovarian cancer overexpressed 1 NPU44858 DNA(spec.)—OVCOV1 gene; seq.var. = ?
DNA(specification)— OTSC3 gene; sequence variation name of component: otosclerosis 3 NPU46128 DNA(spec.)—OTSC3 gene; seq.var. = ?	DNA(specification)— OVD1A gene; sequence variation name of component: 2-oxoisovalerate dehydrogenase (lipoamide) NPU37934 DNA(spec.)—OVD1A gene; seq.var. = ?

- DNA(specification)—**
OVGP1 gene;
sequence variation
name of component: oviductal glycoprotein 1, 120 kDa (mucin 9, oviductin)
[NPU37935](#)
DNA(spec.)—OVGP1 gene; seq.var. = ?
- DNA(specification)—**
OVOL1 gene;
sequence variation
name of component: ovo-like 1(Drosophila)
[NPU37936](#)
DNA(spec.)—OVOL1 gene; seq.var. = ?
- DNA(specification)—**
OXA1L gene;
sequence variation
name of component: oxidase (cytochrome c) assembly 1-like
[NPU37937](#)
DNA(spec.)—OXA1L gene; seq.var. = ?
- DNA(specification)—**
OXCT gene;
sequence variation
name of component: 3-oxoacid CoA transferase
[NPU37938](#)
DNA(spec.)—OXCT gene; seq.var. = ?
- DNA(specification)—**
OXCT2 gene;
sequence variation
name of component: 3-oxoacid CoA transferase 2
[NPU46572](#)
DNA(spec.)—OXCT2 gene; seq.var. = ?
- DNA(specification)—**
OXR1 gene;
sequence variation
name of component: oxidation resistance 1
[NPU43924](#)
DNA(spec.)—OXR1 gene; seq.var. = ?
- DNA(specification)—**
OXT gene;
sequence variation
name of component: oxytocin, prepro- (neurophysin I)
[NPU37939](#)
DNA(spec.)—OXT gene; seq.var. = ?
- DNA(specification)—**
OXTR gene;
sequence variation
name of component: oxytocin receptor
[NPU37940](#)
DNA(spec.)—OXTR gene; seq.var. = ?
- DNA(specification)—**
P1 gene;
sequence variation
name of component: P blood group (P one antigen)
[NPU37941](#)
DNA(spec.)—P1 gene; seq.var. = ?
- DNA(specification)—**
P200 gene;
sequence variation
name of component: p200 cell surface protein
[NPU37942](#)
DNA(spec.)—P200 gene; seq.var. = ?
- DNA(specification)—**
P2RX1 gene;
sequence variation
name of component: purinergic receptor P2X, ligand-gated ion channel, 1
[NPU37943](#)
DNA(spec.)—P2RX1 gene; seq.var. = ?
- DNA(specification)—**
P2RX2 gene;
sequence variation
name of component: purinergic receptor P2X, ligand-gated ion channel, 2
[NPU43675](#)
DNA(spec.)—P2RX2 gene; seq.var. = ?
- DNA(specification)—**
P2RX3 gene;
sequence variation
name of component: purinergic receptor P2X, ligand-gated ion channel, 3
[NPU37944](#)
DNA(spec.)—P2RX3 gene; seq.var. = ?
- DNA(specification)—**
P2RX4 gene;
sequence variation
name of component: purinergic receptor P2X, ligand-gated ion channel, 4
[NPU37945](#)
DNA(spec.)—P2RX4 gene; seq.var. = ?
- DNA(specification)—**
P2RX5 gene;
sequence variation
name of component: purinergic receptor P2X, ligand-gated ion channel, 5
[NPU37946](#)
DNA(spec.)—P2RX5 gene; seq.var. = ?

DNA(specification)—**P2RX7 gene;****sequence variation**

name of component: purinergic receptor P2X, ligand-gated ion channel, 7

[NPU37947](#)

DNA(spec.)—P2RX7 gene; seq.var. = ?

DNA(specification)—**P2RXL1 gene;****sequence variation**

name of component: purinergic receptor P2X-like 1, orphan receptor

[NPU37948](#)

DNA(spec.)—P2RXL1 gene; seq.var. = ?

DNA(specification)—**P2RY1 gene;****sequence variation**

name of component: purinergic receptor P2Y, G-protein coupled, 1

[NPU37949](#)

DNA(spec.)—P2RY1 gene; seq.var. = ?

DNA(specification)—**P2RY10 gene;****sequence variation**

name of component: purinergic receptor P2Y, G-protein coupled, 10

[NPU47304](#)

DNA(spec.)—P2RY10 gene; seq.var. = ?

DNA(specification)—**P2RY11 gene;****sequence variation**

name of component: purinergic receptor P2Y, G-protein coupled, 11

[NPU37950](#)

DNA(spec.)—P2RY11 gene; seq.var. = ?

DNA(specification)—**P2RY12 gene;****sequence variation**

name of component: purinergic receptor P2Y, G-protein coupled, 12

[NPU46311](#)

DNA(spec.)—P2RY12 gene; seq.var. = ?

DNA(specification)—**P2RY2 gene;****sequence variation**

name of component: purinergic receptor P2Y, G-protein coupled, 2

[NPU37951](#)

DNA(spec.)—P2RY2 gene; seq.var. = ?

DNA(specification)—**P2RY4 gene;****sequence variation**

name of component: pyrimidinergic receptor P2Y, G-protein coupled, 4

[NPU37952](#)

DNA(spec.)—P2RY4 gene; seq.var. = ?

DNA(specification)—**P2RY5 gene;****sequence variation**

name of component: purinergic receptor P2Y, G-protein coupled, 5

[NPU43717](#)

DNA(spec.)—P2RY5 gene; seq.var. = ?

DNA(specification)—**P2RY6 gene;****sequence variation**

name of component: pyrimidinergic receptor P2Y, G-protein coupled, 6

[NPU37953](#)

DNA(spec.)—P2RY6 gene; seq.var. = ?

DNA(specification)—**P2RY8 gene;****sequence variation**

name of component: purinergic receptor P2Y, G-protein coupled, 8

[NPU43721](#)

DNA(spec.)—P2RY8 gene; seq.var. = ?

DNA(specification)—**P4HA1 gene;****sequence variation**

name of component: procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide I

[NPU37954](#)

DNA(spec.)—P4HA1 gene; seq.var. = ?

DNA(specification)—**P4HA2 gene;****sequence variation**

name of component: procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide II

[NPU37955](#)

DNA(spec.)—P4HA2 gene; seq.var. = ?

DNA(specification)—**P4HB gene;****sequence variation**

name of component: procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), beta polypeptide (protein disulfide isomerase; thyroid hormone binding protein p55)

[NPU37956](#)

DNA(spec.)—P4HB gene; seq.var. = ?

DNA(specification)—**PA2G4 gene;****sequence variation**

name of component: proliferation-associated 2G4, 38 kDa

[NPU37958](#)

DNA(spec.)—PA2G4 gene; seq.var. = ?

DNA(specification)—**PA2G4P gene;****sequence variation**

name of component: proliferation-associated 2G4 pseudogene

[NPU37959](#)

DNA(spec.)—PA2G4P gene; seq.var. = ?

DNA(specification)—**PA2G4P2 gene;****sequence variation**

name of component: proliferation-associated 2G4 pseudogene 2

[NPU44512](#)

DNA(spec.)—PA2G4P2 gene; seq.var. = ?

DNA(specification)—**PABPC1 gene;****sequence variation**

name of component: poly(A) binding protein, cytoplasmic 1

[NPU37960](#)

DNA(spec.)—PABPC1 gene; seq.var. = ?

DNA(specification)—**PABPC2 gene;****sequence variation**

name of component: poly(A) binding protein, cytoplasmic 2

[NPU37961](#)

DNA(spec.)—PABPC2 gene; seq.var. = ?

DNA(specification)—**PABPC3 gene;****sequence variation**

name of component: poly(A) binding protein, cytoplasmic 3

[NPU37962](#)

DNA(spec.)—PABPC3 gene; seq.var. = ?

DNA(specification)—**PABPC4 gene;****sequence variation**

name of component: poly(A) binding protein, cytoplasmic 4 (inducible form)

[NPU37963](#)

DNA(spec.)—PABPC4 gene; seq.var. = ?

DNA(specification)—**PABPC5 gene;****sequence variation**

name of component: poly(A) binding protein, cytoplasmic 5

[NPU42242](#)

DNA(spec.)—PABPC5 gene; seq.var. = ?

DNA(specification)—**PABPCP1 gene;****sequence variation**

name of component: poly(A) binding protein, cytoplasmic, pseudogene 1

[NPU37964](#)

DNA(spec.)—PABPCP1 gene; seq.var. = ?

DNA(specification)—**PABPCP2 gene;****sequence variation**

name of component: poly(A) binding protein, cytoplasmic, pseudogene 2

[NPU37965](#)

DNA(spec.)—PABPCP2 gene; seq.var. = ?

DNA(specification)—**PABPCP3 gene;****sequence variation**

name of component: poly(A) binding protein, cytoplasmic, pseudogene 3

[NPU37966](#)

DNA(spec.)—PABPCP3 gene; seq.var. = ?

DNA(specification)—**PABPCP4 gene;****sequence variation**

name of component: poly(A) binding protein, cytoplasmic, pseudogene 4

[NPU37967](#)

DNA(spec.)—PABPCP4 gene; seq.var. = ?

DNA(specification)—**PABPL1 gene;****sequence variation**

name of component: poly(A) binding protein-like 1

[NPU37968](#)

DNA(spec.)—PABPL1 gene; seq.var. = ?

DNA(specification)—**PABPL2 gene;****sequence variation**

name of component: poly(A) binding protein-like 2

[NPU37969](#)

DNA(spec.)—PABPL2 gene; seq.var. = ?

DNA(specification)—
PABPN1 gene;
sequence variation
name of component: poly(A) binding protein, nuclear 1
[NPU37970](#)
DNA(spec.)—PABPN1 gene; seq.var. = ?

DNA(specification)—
PABX gene;
sequence variation
name of component: pseudoautosomal boundary region, X-linked
[NPU37971](#)
DNA(spec.)—PABX gene; seq.var. = ?

DNA(specification)—
PABY gene;
sequence variation
name of component: pseudoautosomal boundary region, Y-linked
[NPU37972](#)
DNA(spec.)—PABY gene; seq.var. = ?

DNA(specification)—
PACE4 gene;
sequence variation
name of component: paired basic amino acid cleaving system 4
[NPU37974](#)
DNA(spec.)—PACE4 gene; seq.var. = ?

DNA(specification)—
PACSN1 gene;
sequence variation
name of component: protein kinase C and casein kinase substrate in neurons 1
[NPU37975](#)
DNA(spec.)—PACSN1 gene; seq.var. = ?

DNA(specification)—
PACSN2 gene;
sequence variation
name of component: protein kinase C and casein kinase substrate in neurons 2
[NPU37976](#)
DNA(spec.)—PACSN2 gene; seq.var. = ?

DNA(specification)—
PACSN3 gene;
sequence variation
name of component: protein kinase C and casein kinase substrate in neurons 3
[NPU37977](#)
DNA(spec.)—PACSN3 gene; seq.var. = ?

DNA(specification)—
PADI1 gene;
sequence variation
name of component: peptidyl arginine deiminase, type I
[NPU46428](#)
DNA(spec.)—PADI1 gene; seq.var. = ?

DNA(specification)—
PADI2 gene;
sequence variation
name of component: peptidyl arginine deiminase, type II
[NPU46414](#)
DNA(spec.)—PADI2 gene; seq.var. = ?

DNA(specification)—
PADI3 gene;
sequence variation
name of component: peptidyl arginine deiminase, type III
[NPU46411](#)
DNA(spec.)—PADI3 gene; seq.var. = ?

DNA(specification)—
PADI4 gene;
sequence variation
name of component: peptidyl arginine deiminase, type IV
[NPU46429](#)
DNA(spec.)—PADI4 gene; seq.var. = ?

DNA(specification)—
PADI6 gene;
sequence variation
name of component: peptidyl arginine deiminase, type VI
[NPU47623](#)
DNA(spec.)—PADI6 gene; seq.var. = ?

DNA(specification)—
PAEP gene;
sequence variation
name of component: progesterone-associated endometrial protein (placental protein 14, pregnancy-associated endometrial alpha-2-globulin, alpha uterine protein)
[NPU37978](#)
DNA(spec.)—PAEP gene; seq.var. = ?

DNA(specification)—
PAFAH1B1 gene;
sequence variation
name of component: platelet-activating factor acetylhydrolase, isoform Ib, alpha subunit 45 kDa
[NPU37979](#)
DNA(spec.)—PAFAH1B1 gene; seq.var. = ?

DNA(specification)—**PAFAH1B2 gene;****sequence variation**

name of component: platelet-activating factor acetylhydrolase, isoform Ib, beta subunit 30 kDa

[NPU37980](#)

DNA(spec.)—PAFAH1B2 gene; seq.var. = ?

DNA(specification)—**PAFAH1B3 gene;****sequence variation**

name of component: platelet-activating factor acetylhydrolase, isoform Ib, gamma subunit 29 kDa

[NPU37981](#)

DNA(spec.)—PAFAH1B3 gene; seq.var. = ?

DNA(specification)—**PAFAH1P1 gene;****sequence variation**

name of component: platelet-activating factor acetylhydrolase, isoform Ib, pseudogene 1

[NPU37982](#)

DNA(spec.)—PAFAH1P1 gene; seq.var. = ?

DNA(specification)—**PAFAH1P2 gene;****sequence variation**

name of component: platelet-activating factor acetylhydrolase, isoform Ib, pseudogene 2

[NPU37983](#)

DNA(spec.)—PAFAH1P2 gene; seq.var. = ?

DNA(specification)—**PAFAH2 gene;****sequence variation**

name of component: platelet-activating factor acetylhydrolase 2, 40 kDa

[NPU37984](#)

DNA(spec.)—PAFAH2 gene; seq.var. = ?

DNA(specification)—**PAH gene;****sequence variation**

name of component: phenylalanine hydroxylase

[NPU19162](#)

DNA(spec.)—PAH gene; seq.var. = ?

DNA(specification)—**PAI2L1 gene;****sequence variation**

name of component: plasminogen activator inhibitor, type II-like 1

[NPU37987](#)

DNA(spec.)—PAI2L1 gene; seq.var. = ?

DNA(specification)—**PAI2L2 gene;****sequence variation**

name of component: plasminogen activator inhibitor, type II-like 2

[NPU37988](#)

DNA(spec.)—PAI2L2 gene; seq.var. = ?

DNA(specification)—**PAICS gene;****sequence variation**

name of component: phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoimidazole succinocarboxamide synthetase

[NPU37989](#)

DNA(spec.)—PAICS gene; seq.var. = ?

DNA(specification)—**PAICSP1 gene;****sequence variation**

name of component: phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoimidazole succinocarboxamide synthetase pseudogene 1

[NPU37990](#)

DNA(spec.)—PAICSP1 gene; seq.var. = ?

DNA(specification)—**PAICSP2 gene;****sequence variation**

name of component: phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoimidazole succinocarboxamide synthetase pseudogene 2

[NPU37991](#)

DNA(spec.)—PAICSP2 gene; seq.var. = ?

DNA(specification)—**PAK1 gene;****sequence variation**

name of component: p21/Cdc42/Rac1-activated kinase 1 (STE20 homolog, yeast)

[NPU37992](#)

DNA(spec.)—PAK1 gene; seq.var. = ?

DNA(specification)—**PAK2 gene;****sequence variation**

name of component: p21 (CDKN1A)-activated kinase 2

[NPU37993](#)

DNA(spec.)—PAK2 gene; seq.var. = ?

DNA(specification)—**PAK3 gene;****sequence variation**

name of component: p21 (CDKN1A)-activated kinase 3

[NPU37994](#)

DNA(spec.)—PAK3 gene; seq.var. = ?

DNA(specification)—**PAK4 gene;****sequence variation**

name of component: p21(CDKN1A)-activated kinase 4

[NPU44113](#)

DNA(spec.)—PAK4 gene; seq.var. = ?

DNA(specification)—**PAK6 gene;****sequence variation**

name of component: p21(CDKN1A)-activated kinase 6

[NPU44115](#)

DNA(spec.)—PAK6 gene; seq.var. = ?

DNA(specification)—**PAK7 gene;****sequence variation**

name of component: p21(CDKN1A)-activated kinase 7

[NPU43999](#)

DNA(spec.)—PAK7 gene; seq.var. = ?

DNA(specification)—**PALM gene;****sequence variation**

name of component: paralemmin

[NPU37995](#)

DNA(spec.)—PALM gene; seq.var. = ?

DNA(specification)—**PALM2 gene;****sequence variation**

name of component: paralemmin 2

[NPU43938](#)

DNA(spec.)—PALM2 gene; seq.var. = ?

DNA(specification)—**PALMD gene;****sequence variation**

name of component: palmdelphin

[NPU43939](#)

DNA(spec.)—PALMD gene; seq.var. = ?

DNA(specification)—**PAM gene;****sequence variation**

name of component: peptidylglycine alpha-amidating monooxygenase

[NPU37996](#)

DNA(spec.)—PAM gene; seq.var. = ?

DNA(specification)—**PAMCI gene;****sequence variation**

name of component: peptidylglycine alpha-amidating monooxygenase COOH-terminal interactor

[NPU43862](#)

DNA(spec.)—PAMCI gene; seq.var. = ?

DNA(specification)—**PANK1 gene;****sequence variation**

name of component: pantothenate kinase 1

[NPU37997](#)

DNA(spec.)—PANK1 gene; seq.var. = ?

DNA(specification)—**PANK2 gene;****sequence variation**

name of component: pantothenate kinase 2 (Hallerorden-Spatz syndrome)

[NPU43983](#)

DNA(spec.)—PANK2 gene; seq.var. = ?

DNA(specification)—**PANK3 gene;****sequence variation**

name of component: pantothenate kinase 3

[NPU46994](#)

DNA(spec.)—PANK3 gene; seq.var. = ?

DNA(specification)—**PANK4 gene;****sequence variation**

name of component: pantothenate kinase 4

[NPU46995](#)

DNA(spec.)—PANK4 gene; seq.var. = ?

DNA(specification)—**PANX1 gene;****sequence variation**

name of component: pannexin 1

[NPU37998](#)

DNA(spec.)—PANX1 gene; seq.var. = ?

DNA(specification)—**PANX2 gene;****sequence variation**

name of component: pannexin 2

[NPU37999](#)

DNA(spec.)—PANX2 gene; seq.var. = ?

DNA(specification)—**PANX3 gene;****sequence variation**

name of component: pannexin 3

[NPU47668](#)

DNA(spec.)—PANX3 gene; seq.var. = ?

DNA(specification)—**PAP gene;****sequence variation**

name of component: pancreatitis-associated protein

[NPU38000](#)

DNA(spec.)—PAP gene; seq.var. = ?

DNA(specification)—**PAPOLA gene;****sequence variation**

name of component: poly(A) polymerase alpha

[NPU43219](#)

DNA(spec.)—PAPOLA gene; seq.var. = ?

DNA(specification)—**PAPOLB gene;****sequence variation**

name of component: poly(A) polymerase beta (testis specific)

[NPU44048](#)

DNA(spec.)—PAPOLB gene; seq.var. = ?

DNA(specification)—**PAPOLG gene;****sequence variation**

name of component: poly(A) polymerase gamma

[NPU43220](#)

DNA(spec.)—PAPOLG gene; seq.var. = ?

DNA(specification)—**PAPPA gene;****sequence variation**

name of component: pregnancy-associated plasma protein A

[NPU38001](#)

DNA(spec.)—PAPPA gene; seq.var. = ?

DNA(specification)—**PAPSS1 gene;****sequence variation**

name of component: 3'-phosphoadenosine 5'-phosphosulfate synthase 1

[NPU38002](#)

DNA(spec.)—PAPSS1 gene; seq.var. = ?

DNA(specification)—**PAPSS2 gene;****sequence variation**

name of component: 3'-phosphoadenosine 5'-phosphosulfate synthase 2

[NPU38003](#)

DNA(spec.)—PAPSS2 gene; seq.var. = ?

DNA(specification)—**PARD3 gene;****sequence variation**

name of component: par-3 partitioning defective 3 homolog (C. elegans)

[NPU44108](#)

DNA(spec.)—PARD3 gene; seq.var. = ?

DNA(specification)—**PARD6A gene;****sequence variation**

name of component: par-6 partitioning defective 6 homolog alpha (C.elegans)

[NPU44022](#)

DNA(spec.)—PARD6A gene; seq.var. = ?

DNA(specification)—**PARD6B gene;****sequence variation**

name of component: par-6 partitioning defective 6 homolog beta (C. elegans)

[NPU44285](#)

DNA(spec.)—PARD6B gene; seq.var. = ?

DNA(specification)—**PARD6G gene;****sequence variation**

name of component: par-6 partitioning defective 6 homolog gamma (C. elegans)

[NPU44127](#)

DNA(spec.)—PARD6G gene; seq.var. = ?

DNA(specification)—**PARG gene;****sequence variation**

name of component: poly (ADP-ribose) glycohydrolase

[NPU38004](#)

DNA(spec.)—PARG gene; seq.var. = ?

DNA(specification)—**PARK10 gene;****sequence variation**

name of component: Parkinson disease 10

[NPU46130](#)

DNA(spec.)—PARK10 gene; seq.var. = ?

DNA(specification)—**PARK2 gene;****sequence variation**

name of component: Parkinson disease (autosomal recessive, juvenile) 2, parkin

[NPU38005](#)

DNA(spec.)—PARK2 gene; seq.var. = ?

DNA(specification)—**PARK3 gene;****sequence variation**

name of component: Parkinson disease (autosomal dominant, Lewy body) 3

[NPU38006](#)

DNA(spec.)—PARK3 gene; seq.var. = ?

DNA(specification)—**PARK4 gene;****sequence variation**

name of component: Parkinson disease (autosomal dominant, Lewy body) 4

[NPU42324](#)

DNA(spec.)—PARK4 gene; seq.var. = ?

DNA(specification)—**PARK6 gene;****sequence variation**

name of component: Parkinson disease (autosomal recessive) 6

[NPU42368](#)

DNA(spec.)—PARK6 gene; seq.var. = ?

DNA(specification)—**PARK7 gene;****sequence variation**

name of component: Parkinson disease (autosomal recessive, early onset) 7

[NPU44380](#)

DNA(spec.)—PARK7 gene; seq.var. = ?

DNA(specification)—**PARK8 gene;****sequence variation**

name of component: Parkinson disease (autosomal dominant) 8

[NPU44379](#)

DNA(spec.)—PARK8 gene; seq.var. = ?

DNA(specification)—**PARK9 gene;****sequence variation**

name of component: Parkinson disease (autosomal recessive) 9 (Kufor-Rakeb syndrome)

[NPU46129](#)

DNA(spec.)—PARK9 gene; seq.var. = ?

DNA(specification)—**PARN gene;****sequence variation**

name of component: poly(A)-specific ribonuclease (deadenylation nuclease)

[NPU38007](#)

DNA(spec.)—PARN gene; seq.var. = ?

DNA(specification)—**PARVA gene;****sequence variation**

name of component: parvin, alpha

[NPU42922](#)

DNA(spec.)—PARVA gene; seq.var. = ?

DNA(specification)—**PARVB gene;****sequence variation**

name of component: parvin, beta

[NPU42923](#)

DNA(spec.)—PARVB gene; seq.var. = ?

DNA(specification)—**PARVG gene;****sequence variation**

name of component: parvin, gamma

[NPU42924](#)

DNA(spec.)—PARVG gene; seq.var. = ?

DNA(specification)—**PASK gene;****sequence variation**

name of component: PAS domain containing serine/threonine kinase

[NPU44941](#)

DNA(spec.)—PASK gene; seq.var. = ?

DNA(specification)—**PAWR gene;****sequence variation**

name of component: PRKC, apoptosis, WT1, regulator

[NPU38008](#)

DNA(spec.)—PAWR gene; seq.var. = ?

DNA(specification)—**PAX1 gene;****sequence variation**

name of component: paired box gene 1

[NPU38009](#)

DNA(spec.)—PAX1 gene; seq.var. = ?

DNA(specification)—**PAX2 gene;****sequence variation**

name of component: paired box gene 2

[NPU38010](#)

DNA(spec.)—PAX2 gene; seq.var. = ?

DNA(specification)—**PAX3 gene;****sequence variation**

name of component: paired box gene 3 (Waardenburg syndrome 1)

[NPU38011](#)

DNA(spec.)—PAX3 gene; seq.var. = ?

RNA(specification)—**PAX3 gene;****sequence variation**

name of component: paired box gene 3 (Waardenburg syndrome 1)

[NPU19600](#)

RNA(spec.)—PAX3 gene; seq.var. = ?

DNA(specification)—**PAX4 gene;****sequence variation**

name of component: paired box gene 4

[NPU38012](#)

DNA(spec.)—PAX4 gene; seq.var. = ?

DNA(specification)—**PAX5 gene;****sequence variation**

name of component: paired box gene 5 (B-cell lineage specific activator protein)

[NPU38013](#)

DNA(spec.)—PAX5 gene; seq.var. = ?

DNA(specification)—**PAX6 gene;****sequence variation**

name of component: paired box gene 6 (aniridia, keratitis)

[NPU38014](#)

DNA(spec.)—PAX6 gene; seq.var. = ?

DNA(specification)—**PAX7 gene;****sequence variation**

name of component: paired box gene 7

[NPU38015](#)

DNA(spec.)—PAX7 gene; seq.var. = ?

RNA(specification)—**PAX7 gene;****sequence variation**

name of component: paired box gene 7

[NPU22161](#)

RNA(spec.)—PAX7 gene; seq.var. = ?

DNA(specification)—**PAX8 gene;****sequence variation**

name of component: paired box gene 8

[NPU38016](#)

DNA(spec.)—PAX8 gene; seq.var. = ?

DNA(specification)—**PAX9 gene;****sequence variation**

name of component: paired box gene 9

[NPU38017](#)

DNA(spec.)—PAX9 gene; seq.var. = ?

DNA(specification)—**PAXIP1L gene;****sequence variation**

name of component: PAX transcription activation domain interacting protein 1 like

[NPU38018](#)

DNA(spec.)—PAXIP1L gene; seq.var. = ?

DNA(specification)—**PBCRA1 gene;****sequence variation**

name of component: progressive bifocal chorio-retinal atrophy 1

[NPU38019](#)

DNA(spec.)—PBCRA1 gene; seq.var. = ?

DNA(specification)—**PBG1 gene;****sequence variation**

name of component: pancreatic beta cell glycoprotein 1

[NPU38020](#)

DNA(spec.)—PBG1 gene; seq.var. = ?

DNA(specification)—**PBM1 gene;****sequence variation**

name of component: pre-B-cell monocytic leukemia partner 1

[NPU38021](#)

DNA(spec.)—PBM1 gene; seq.var. = ?

DNA(specification)—**PBOV1 gene;****sequence variation**

name of component: prostate and breast cancer overexpressed 1

[NPU47858](#)

DNA(spec.)—PBOV1 gene; seq.var. = ?

DNA(specification)—**PBP gene;****sequence variation**

name of component: prostatic binding protein

[NPU38022](#)

DNA(spec.)—PBP gene; seq.var. = ?

DNA(specification)—**PBPP1 gene;****sequence variation**

name of component: prostatic binding protein pseudogene 1

[NPU47394](#)

DNA(spec.)—PBPP1 gene; seq.var. = ?

DNA(specification)—**PBT gene;****sequence variation**

name of component: piebald trait

[NPU38023](#)

DNA(spec.)—PBT gene; seq.var. = ?

DNA(specification)—**PBX1 gene;****sequence variation**

name of component: pre-B-cell leukemia transcription factor 1

[NPU38024](#)

DNA(spec.)—PBX1 gene; seq.var. = ?

DNA(specification)—**PBX2 gene;****sequence variation**

name of component: pre-B-cell leukemia transcription factor 2

[NPU38025](#)

DNA(spec.)—PBX2 gene; seq.var. = ?

DNA(specification)—**PBX3 gene;****sequence variation**

name of component: pre-B-cell leukemia transcription factor 3

[NPU38026](#)

DNA(spec.)—PBX3 gene; seq.var. = ?

DNA(specification)—**PBX4 gene;****sequence variation**

name of component: pre-B-cell leukemia transcription factor 4

[NPU42116](#)

DNA(spec.)—PBX4 gene; seq.var. = ?

DNA(specification)—**PBXP1 gene;****sequence variation**

name of component: pre-B-cell leukemia transcription factor pseudogene 1

[NPU38027](#)

DNA(spec.)—PBXP1 gene; seq.var. = ?

DNA(specification)—**PC gene;****sequence variation**

name of component: pyruvate carboxylase

[NPU19163](#)

DNA(spec.)—PC gene; seq.var. = ?

DNA(specification)—**PCA3 gene;****sequence variation**

name of component: prostate cancer antigen 3

[NPU38028](#)

DNA(spec.)—PCA3 gene; seq.var. = ?

DNA(specification)—**PCAF gene;****sequence variation**

name of component: p300/CBP-associated factor

[NPU38029](#)

DNA(spec.)—PCAF gene; seq.var. = ?

DNA(specification)—**PCANAP2 gene;****sequence variation**

name of component: prostate cancer associated protein 2

[NPU38030](#)

DNA(spec.)—PCANAP2 gene; seq.var. = ?

DNA(specification)—**PCANAP5 gene;****sequence variation**

name of component: prostate cancer associated protein 5

[NPU38031](#)

DNA(spec.)—PCANAP5 gene; seq.var. = ?

DNA(specification)—**PCANAP6 gene;****sequence variation**

name of component: prostate cancer associated protein 6

[NPU38032](#)

DNA(spec.)—PCANAP6 gene; seq.var. = ?

DNA(specification)—**PCANAP7 gene;****sequence variation**

name of component: prostate cancer associated protein 7

[NPU38033](#)

DNA(spec.)—PCANAP7 gene; seq.var. = ?

DNA(specification)—**PCANAP8 gene;****sequence variation**

name of component: prostate cancer associated protein 8

[NPU38034](#)

DNA(spec.)—PCANAP8 gene; seq.var. = ?

DNA(specification)—**PCAP gene;****sequence variation**

name of component: predisposing for prostate cancer

[NPU38035](#)

DNA(spec.)—PCAP gene; seq.var. = ?

DNA(specification)—**PCBD gene;****sequence variation**

name of component: 6-pyruvoyl-tetrahydropterin synthase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (TCF1)

[NPU38036](#)

DNA(spec.)—PCBD gene; seq.var. = ?

DNA(specification)—**PCBP1 gene;****sequence variation**

name of component: poly(rC) binding protein 1

[NPU38037](#)

DNA(spec.)—PCBP1 gene; seq.var. = ?

DNA(specification)—**PCBP2 gene;****sequence variation**

name of component: poly(rC) binding protein 2

[NPU38038](#)

DNA(spec.)—PCBP2 gene; seq.var. = ?

DNA(specification)—**PCBP2P1 gene;****sequence variation**name of component: poly(rC) binding protein 2,
pseudogene 1[NPU38039](#)

DNA(spec.)—PCBP2P1 gene; seq.var. = ?

DNA(specification)—**PCBP2P2 gene;****sequence variation**name of component: poly(rC) binding protein 2,
pseudogene 2[NPU38040](#)

DNA(spec.)—PCBP2P2 gene; seq.var. = ?

DNA(specification)—**PCBP3 gene;****sequence variation**

name of component: poly(rC) binding protein 3

[NPU38041](#)

DNA(spec.)—PCBP3 gene; seq.var. = ?

DNA(specification)—**PCBP4 gene;****sequence variation**

name of component: poly(rC) binding protein 4

[NPU38042](#)

DNA(spec.)—PCBP4 gene; seq.var. = ?

DNA(specification)—**PCCA gene;****sequence variation**name of component: propionyl Coenzyme A car-
boxylase, alpha polypeptide[NPU19164](#)

DNA(spec.)—PCCA gene; seq.var. = ?

DNA(specification)—**PCCB gene;****sequence variation**name of component: propionyl Coenzyme A car-
boxylase, beta polypeptide[NPU19165](#)

DNA(spec.)—PCCB gene; seq.var. = ?

DNA(specification)—**PCDH1 gene;****sequence variation**name of component: protocadherin 1 (cadherin-like
1)[NPU38043](#)

DNA(spec.)—PCDH1 gene; seq.var. = ?

DNA(specification)—**PCDH10 gene;****sequence variation**

name of component: protocadherin 10

[NPU42117](#)

DNA(spec.)—PCDH10 gene; seq.var. = ?

DNA(specification)—**PCDH11X gene;****sequence variation**

name of component: protocadherin 11 X-linked

[NPU38044](#)

DNA(spec.)—PCDH11X gene; seq.var. = ?

DNA(specification)—**PCDH11Y gene;****sequence variation**

name of component: protocadherin 11 Y-linked

[NPU43919](#)

DNA(spec.)—PCDH11Y gene; seq.var. = ?

DNA(specification)—**PCDH12 gene;****sequence variation**

name of component: protocadherin 12

[NPU38045](#)

DNA(spec.)—PCDH12 gene; seq.var. = ?

DNA(specification)—**PCDH15 gene;****sequence variation**

name of component: protocadherin 15

[NPU42937](#)

DNA(spec.)—PCDH15 gene; seq.var. = ?

DNA(specification)—**PCDH16 gene;****sequence variation**name of component: protocadherin 16 dachshous-
like (*Drosophila*)[NPU42270](#)

DNA(spec.)—PCDH16 gene; seq.var. = ?

DNA(specification)—**PCDH17 gene;****sequence variation**

name of component: protocadherin 17

[NPU42633](#)

DNA(spec.)—PCDH17 gene; seq.var. = ?

DNA(specification)—
PCDH18 gene;
sequence variation
name of component: protocadherin 18
[NPU42634](#)
DNA(spec.)—PCDH18 gene; seq.var. = ?

DNA(specification)—
PCDH19 gene;
sequence variation
name of component: protocadherin 19
[NPU42636](#)
DNA(spec.)—PCDH19 gene; seq.var. = ?

DNA(specification)—
PCDH20 gene;
sequence variation
name of component: protocadherin 20
[NPU42624](#)
DNA(spec.)—PCDH20 gene; seq.var. = ?

DNA(specification)—
PCDH21 gene;
sequence variation
name of component: protocadherin 21
[NPU42856](#)
DNA(spec.)—PCDH21 gene; seq.var. = ?

DNA(specification)—
PCDH7 gene;
sequence variation
name of component: BH-protocadherin (brain-heart)
[NPU38046](#)
DNA(spec.)—PCDH7 gene; seq.var. = ?

DNA(specification)—
PCDH8 gene;
sequence variation
name of component: protocadherin 8
[NPU38047](#)
DNA(spec.)—PCDH8 gene; seq.var. = ?

DNA(specification)—
PCDH9 gene;
sequence variation
name of component: protocadherin 9
[NPU38048](#)
DNA(spec.)—PCDH9 gene; seq.var. = ?

DNA(specification)—
PCDHA@ gene;
sequence variation
name of component: protocadherin alpha cluster
[NPU38049](#)
DNA(spec.)—PCDHA@ gene; seq.var. = ?

DNA(specification)—
PCDHA1 gene;
sequence variation
name of component: protocadherin alpha 1
[NPU38050](#)
DNA(spec.)—PCDHA1 gene; seq.var. = ?

DNA(specification)—
PCDHA10 gene;
sequence variation
name of component: protocadherin alpha 10
[NPU38051](#)
DNA(spec.)—PCDHA10 gene; seq.var. = ?

DNA(specification)—
PCDHA11 gene;
sequence variation
name of component: protocadherin alpha 11
[NPU38052](#)
DNA(spec.)—PCDHA11 gene; seq.var. = ?

DNA(specification)—
PCDHA12 gene;
sequence variation
name of component: protocadherin alpha 12
[NPU38053](#)
DNA(spec.)—PCDHA12 gene; seq.var. = ?

DNA(specification)—
PCDHA13 gene;
sequence variation
name of component: protocadherin alpha 13
[NPU38054](#)
DNA(spec.)—PCDHA13 gene; seq.var. = ?

DNA(specification)—
PCDHA14 gene;
sequence variation
name of component: protocadherin gamma sub-family A 14 pseudogene
[NPU31720](#)
DNA(spec.)—PCDHA14 gene; seq.var. = ?

DNA(specification)—
PCDHA2 gene;
sequence variation
name of component: protocadherin alpha 2
[NPU38055](#)
DNA(spec.)—PCDHA2 gene; seq.var. = ?

DNA(specification)—
PCDHA3 gene;
sequence variation
name of component: protocadherin alpha 3
[NPU38056](#)
DNA(spec.)—PCDHA3 gene; seq.var. = ?

DNA(specification)—
PCDHA4 gene;
sequence variation
name of component: protocadherin alpha 4
[NPU38057](#)
DNA(spec.)—PCDHA4 gene; seq.var. = ?

DNA(specification)—
PCDHA5 gene;
sequence variation
name of component: protocadherin alpha 5
[NPU38058](#)
DNA(spec.)—PCDHA5 gene; seq.var. = ?

DNA(specification)—
PCDHA6 gene;
sequence variation
name of component: protocadherin alpha 6
[NPU38059](#)
DNA(spec.)—PCDHA6 gene; seq.var. = ?

DNA(specification)—
PCDHA7 gene;
sequence variation
name of component: protocadherin alpha 7
[NPU38060](#)
DNA(spec.)—PCDHA7 gene; seq.var. = ?

DNA(specification)—
PCDHA8 gene;
sequence variation
name of component: protocadherin alpha 8
[NPU38061](#)
DNA(spec.)—PCDHA8 gene; seq.var. = ?

DNA(specification)—
PCDHA9 gene;
sequence variation
name of component: protocadherin alpha 9
[NPU38062](#)
DNA(spec.)—PCDHA9 gene; seq.var. = ?

DNA(specification)—
PCDHAC1 gene;
sequence variation
name of component: protocadherin alpha subfamily C, 1
[NPU38063](#)
DNA(spec.)—PCDHAC1 gene; seq.var. = ?

DNA(specification)—
PCDHAC2 gene;
sequence variation
name of component: protocadherin alpha subfamily C, 2
[NPU38064](#)
DNA(spec.)—PCDHAC2 gene; seq.var. = ?

DNA(specification)—
PCDHACT gene;
sequence variation
name of component: protocadherin alpha constant
[NPU38065](#)
DNA(spec.)—PCDHACT gene; seq.var. = ?

DNA(specification)—
PCDHB@ gene;
sequence variation
name of component: protocadherin beta cluster
[NPU38066](#)
DNA(spec.)—PCDHB@ gene; seq.var. = ?

DNA(specification)—
PCDHB1 gene;
sequence variation
name of component: protocadherin beta 1
[NPU38067](#)
DNA(spec.)—PCDHB1 gene; seq.var. = ?

DNA(specification)—
PCDHB10 gene;
sequence variation
name of component: protocadherin beta 10
[NPU38068](#)
DNA(spec.)—PCDHB10 gene; seq.var. = ?

DNA(specification)—
PCDHB11 gene;
sequence variation
name of component: protocadherin beta 11
[NPU38069](#)
DNA(spec.)—PCDHB11 gene; seq.var. = ?

DNA(specification)—
PCDHB12 gene;
sequence variation
name of component: protocadherin beta 12
[NPU38070](#)
DNA(spec.)—PCDHB12 gene; seq.var. = ?

DNA(specification)—
PCDHB13 gene;
sequence variation
name of component: protocadherin beta 13
[NPU38071](#)
DNA(spec.)—PCDHB13 gene; seq.var. = ?

DNA(specification)—
PCDHB14 gene;
sequence variation
name of component: protocadherin beta 14
[NPU38072](#)
DNA(spec.)—PCDHB14 gene; seq.var. = ?

DNA(specification)—
PCDHB15 gene;
sequence variation
name of component: protocadherin beta 15
[NPU38073](#)
DNA(spec.)—PCDHB15 gene; seq.var. = ?

DNA(specification)—
PCDHB16 gene;
sequence variation
name of component: protocadherin beta 16
[NPU42852](#)
DNA(spec.)—PCDHB16 gene; seq.var. = ?

DNA(specification)—
PCDHB17 gene;
sequence variation
name of component: protocadherin beta 17 pseudogene
[NPU42853](#)
DNA(spec.)—PCDHB17 gene; seq.var. = ?

DNA(specification)—
PCDHB18 gene;
sequence variation
name of component: protocadherin beta 18 pseudogene
[NPU42854](#)
DNA(spec.)—PCDHB18 gene; seq.var. = ?

DNA(specification)—
PCDHB19P gene;
sequence variation
name of component: protocadherin beta 19 pseudogene
[NPU42855](#)
DNA(spec.)—PCDHB19P gene; seq.var. = ?

DNA(specification)—
PCDHB2 gene;
sequence variation
name of component: protocadherin beta 2
[NPU38074](#)
DNA(spec.)—PCDHB2 gene; seq.var. = ?

DNA(specification)—
PCDHB3 gene;
sequence variation
name of component: protocadherin beta 3
[NPU38075](#)
DNA(spec.)—PCDHB3 gene; seq.var. = ?

DNA(specification)—
PCDHB4 gene;
sequence variation
name of component: protocadherin beta 4
[NPU38076](#)
DNA(spec.)—PCDHB4 gene; seq.var. = ?

DNA(specification)—
PCDHB5 gene;
sequence variation
name of component: protocadherin beta 5
[NPU38077](#)
DNA(spec.)—PCDHB5 gene; seq.var. = ?

DNA(specification)—
PCDHB6 gene;
sequence variation
name of component: protocadherin beta 6
[NPU38078](#)
DNA(spec.)—PCDHB6 gene; seq.var. = ?

DNA(specification)—
PCDHB7 gene;
sequence variation
name of component: protocadherin beta 7
[NPU38079](#)
DNA(spec.)—PCDHB7 gene; seq.var. = ?

DNA(specification)—
PCDHB8 gene;
sequence variation
name of component: protocadherin beta 8
[NPU38080](#)
DNA(spec.)—PCDHB8 gene; seq.var. = ?

DNA(specification)—
PCDHB9 gene;
sequence variation
name of component: protocadherin beta 9
[NPU38081](#)
DNA(spec.)—PCDHB9 gene; seq.var. = ?

DNA(specification)—
PCDHG@ gene;
sequence variation
name of component: protocadherin gamma cluster
[NPU38082](#)
DNA(spec.)—PCDHG@ gene; seq.var. = ?

DNA(specification)—
PCDHGA1 gene;
sequence variation
name of component: protocadherin gamma sub-family A, 1
[NPU38083](#)
DNA(spec.)—PCDHGA1 gene; seq.var. = ?

DNA(specification)—
PCDHGA10 gene;
sequence variation
name of component: protocadherin gamma sub-family A, 10
[NPU38084](#)
DNA(spec.)—PCDHGA10 gene; seq.var. = ?

DNA(specification)—**PCDHGA11 gene;****sequence variation**

name of component: protocadherin gamma sub-family A, 11

[NPU38085](#)

DNA(spec.)—PCDHGA11 gene; seq.var. = ?

DNA(specification)—**PCDHGA12 gene;****sequence variation**

name of component: protocadherin gamma sub-family A, 12

[NPU38086](#)

DNA(spec.)—PCDHGA12 gene; seq.var. = ?

DNA(specification)—**PCDHGA2 gene;****sequence variation**

name of component: protocadherin gamma sub-family A, 2

[NPU38087](#)

DNA(spec.)—PCDHGA2 gene; seq.var. = ?

DNA(specification)—**PCDHGA3 gene;****sequence variation**

name of component: protocadherin gamma sub-family A, 3

[NPU38088](#)

DNA(spec.)—PCDHGA3 gene; seq.var. = ?

DNA(specification)—**PCDHGA4 gene;****sequence variation**

name of component: protocadherin gamma sub-family A, 4

[NPU38089](#)

DNA(spec.)—PCDHGA4 gene; seq.var. = ?

DNA(specification)—**PCDHGA5 gene;****sequence variation**

name of component: protocadherin gamma sub-family A, 5

[NPU38090](#)

DNA(spec.)—PCDHGA5 gene; seq.var. = ?

DNA(specification)—**PCDHGA6 gene;****sequence variation**

name of component: protocadherin gamma sub-family A, 6

[NPU38091](#)

DNA(spec.)—PCDHGA6 gene; seq.var. = ?

DNA(specification)—**PCDHGA7 gene;****sequence variation**

name of component: protocadherin gamma sub-family A, 7

[NPU38092](#)

DNA(spec.)—PCDHGA7 gene; seq.var. = ?

DNA(specification)—**PCDHGA8 gene;****sequence variation**

name of component: protocadherin gamma sub-family A, 8

[NPU38093](#)

DNA(spec.)—PCDHGA8 gene; seq.var. = ?

DNA(specification)—**PCDHGA9 gene;****sequence variation**

name of component: protocadherin gamma sub-family A, 9

[NPU38094](#)

DNA(spec.)—PCDHGA9 gene; seq.var. = ?

DNA(specification)—**PCDHGB1 gene;****sequence variation**

name of component: protocadherin gamma sub-family B, 1

[NPU38095](#)

DNA(spec.)—PCDHGB1 gene; seq.var. = ?

DNA(specification)—**PCDHGB2 gene;****sequence variation**

name of component: protocadherin gamma sub-family B, 2

[NPU38096](#)

DNA(spec.)—PCDHGB2 gene; seq.var. = ?

DNA(specification)—**PCDHGB3 gene;****sequence variation**

name of component: protocadherin gamma sub-family B, 3

[NPU38097](#)

DNA(spec.)—PCDHGB3 gene; seq.var. = ?

DNA(specification)—**PCDHGB4 gene;****sequence variation**

name of component: protocadherin gamma sub-family B, 4

[NPU38098](#)

DNA(spec.)—PCDHGB4 gene; seq.var. = ?

DNA(specification)—**PCDHGB5 gene;****sequence variation**

name of component: protocadherin gamma sub-family B, 5

[NPU38099](#)

DNA(spec.)—PCDHGB5 gene; seq.var. = ?

DNA(specification)—**PCDHGB6 gene;****sequence variation**

name of component: protocadherin gamma sub-family B, 6

[NPU38100](#)

DNA(spec.)—PCDHGB6 gene; seq.var. = ?

DNA(specification)—**PCDHGB7 gene;****sequence variation**

name of component: protocadherin gamma sub-family B, 7

[NPU38101](#)

DNA(spec.)—PCDHGB7 gene; seq.var. = ?

DNA(specification)—**PCDHGB8P gene;****sequence variation**

name of component: protocadherin gamma sub-family B, 8 pseudogene

[NPU38102](#)

DNA(spec.)—PCDHGB8P gene; seq.var. = ?

DNA(specification)—**PCDHGB9P gene;****sequence variation**

name of component: protocadherin gamma sub-family B, 9 pseudogene

[NPU43826](#)

DNA(spec.)—PCDHGB9P gene; seq.var. = ?

DNA(specification)—**PCDHGC3 gene;****sequence variation**

name of component: protocadherin gamma sub-family C, 3

[NPU38103](#)

DNA(spec.)—PCDHGC3 gene; seq.var. = ?

DNA(specification)—**PCDHGC4 gene;****sequence variation**

name of component: protocadherin gamma sub-family C, 4

[NPU38104](#)

DNA(spec.)—PCDHGC4 gene; seq.var. = ?

DNA(specification)—**PCDHGC5 gene;****sequence variation**

name of component: protocadherin gamma sub-family C, 5

[NPU38105](#)

DNA(spec.)—PCDHGC5 gene; seq.var. = ?

DNA(specification)—**PCDHGCT gene;****sequence variation**

name of component: protocadherin gamma constant

[NPU38106](#)

DNA(spec.)—PCDHGCT gene; seq.var. = ?

DNA(specification)—**PCH2 gene;****sequence variation**

name of component: protein spot in 2-D gels 250 kDa

[NPU38107](#)

DNA(spec.)—PCH2 gene; seq.var. = ?

DNA(specification)—**PCK1 gene;****sequence variation**

name of component: phosphoenolpyruvate carboxykinase 1 (soluble)

[NPU38109](#)

DNA(spec.)—PCK1 gene; seq.var. = ?

DNA(specification)—**PCK2 gene;****sequence variation**

name of component: phosphoenolpyruvate carboxykinase 2 (mitochondrial)

[NPU38110](#)

DNA(spec.)—PCK2 gene; seq.var. = ?

DNA(specification)—**PCLD gene;****sequence variation**

name of component: polycystic liver disease

[NPU38111](#)

DNA(spec.)—PCLD gene; seq.var. = ?

DNA(specification)—**PCLO gene;****sequence variation**

name of component: piccolo (presynaptic cytomatrix protein)

[NPU42118](#)

DNA(spec.)—PCLO gene; seq.var. = ?

DNA(specification)—**PCM1 gene;****sequence variation**

name of component: pericentriolar material 1

[NPU38112](#)

DNA(spec.)—PCM1 gene; seq.var. = ?

DNA(specification)—**PCMT1 gene;****sequence variation**

name of component: protein-L-isoaspartate (D-aspartate) O-methyltransferase

[NPU38113](#)

DNA(spec.)—PCMT1 gene; seq.var. = ?

DNA(specification)—**PCNA gene;****sequence variation**

name of component: proliferating cell nuclear antigen

[NPU38114](#)

DNA(spec.)—PCNA gene; seq.var. = ?

DNA(specification)—**PCNAL gene;****sequence variation**

name of component: proliferating cell nuclear antigen-like

[NPU38115](#)

DNA(spec.)—PCNAL gene; seq.var. = ?

DNA(specification)—**PCNAP gene;****sequence variation**

name of component: proliferating cell nuclear antigen pseudogene

[NPU38116](#)

DNA(spec.)—PCNAP gene; seq.var. = ?

DNA(specification)—**PCNAP1 gene;****sequence variation**

name of component: proliferating cell nuclear antigen pseudogene 1

[NPU38117](#)

DNA(spec.)—PCNAP1 gene; seq.var. = ?

DNA(specification)—**PCNAP2 gene;****sequence variation**

name of component: proliferating cell nuclear antigen pseudogene 2

[NPU38118](#)

DNA(spec.)—PCNAP2 gene; seq.var. = ?

DNA(specification)—**PCNT1 gene;****sequence variation**

name of component: pericentrin 1

[NPU38119](#)

DNA(spec.)—PCNT1 gene; seq.var. = ?

DNA(specification)—**PCNT2 gene;****sequence variation**

name of component: pericentrin 2 (kendrin)

[NPU44121](#)

DNA(spec.)—PCNT2 gene; seq.var. = ?

DNA(specification)—**PCNX gene;****sequence variation**

name of component: pecanex homolog (Drosophila)

[NPU47173](#)

DNA(spec.)—PCNX gene; seq.var. = ?

DNA(specification)—**PCNXL1 gene;****sequence variation**

name of component: pecanex-like 1 (Drosophila)

[NPU38120](#)

DNA(spec.)—PCNXL1 gene; seq.var. = ?

DNA(specification)—**PCNXL2 gene;****sequence variation**

name of component: pecanex-like 2 (Drosophila)

[NPU38121](#)

DNA(spec.)—PCNXL2 gene; seq.var. = ?

DNA(specification)—**PCNXL3 gene;****sequence variation**

name of component: pecanex-like 3 (Drosophila)

[NPU46662](#)

DNA(spec.)—PCNXL3 gene; seq.var. = ?

DNA(specification)—**PCOLC gene;****sequence variation**

name of component: procollagen C-endopeptidase

[NPU38122](#)

DNA(spec.)—PCOLC gene; seq.var. = ?

DNA(specification)—**PCOLCE gene;****sequence variation**

name of component: procollagen C-endopeptidase enhancer

[NPU38123](#)

DNA(spec.)—PCOLCE gene; seq.var. = ?

DNA(specification)—**PCOLCE2 gene;****sequence variation**

name of component: procollagen C-endopeptidase enhancer 2

[NPU38124](#)

DNA(spec.)—PCOLCE2 gene; seq.var. = ?

DNA(specification)—**PCOLN3 gene;****sequence variation**

name of component: procollagen (type III) N-endopeptidase

[NPU38125](#)

DNA(spec.)—PCOLN3 gene; seq.var. = ?

DNA(specification)—**PCOS1 gene;****sequence variation**

name of component: polycystic ovary syndrome 1

[NPU38126](#)

DNA(spec.)—PCOS1 gene; seq.var. = ?

DNA(specification)—**PCP4 gene;****sequence variation**

name of component: Purkinje cell protein 4

[NPU38127](#)

DNA(spec.)—PCP4 gene; seq.var. = ?

DNA(specification)—**PCQAP gene;****sequence variation**

name of component: PC2 (positive cofactor 2, multiprotein complex) glutamine/Q-rich-associated protein

[NPU42615](#)

DNA(spec.)—PCQAP gene; seq.var. = ?

DNA(specification)—**PCQAPP gene;****sequence variation**

name of component: PCQAP pseudogene

[NPU46950](#)

DNA(spec.)—PCQAPP gene; seq.var. = ?

DNA(specification)—**PCSK1 gene;****sequence variation**

name of component: proprotein convertase subtilisin/kexin type 1

[NPU38128](#)

DNA(spec.)—PCSK1 gene; seq.var. = ?

DNA(specification)—**PCSK1N gene;****sequence variation**

name of component: proprotein convertase subtilisin/kexin type 1 inhibitor

[NPU44963](#)

DNA(spec.)—PCSK1N gene; seq.var. = ?

DNA(specification)—**PCSK2 gene;****sequence variation**

name of component: proprotein convertase subtilisin/kexin type 2

[NPU38129](#)

DNA(spec.)—PCSK2 gene; seq.var. = ?

DNA(specification)—**PCSK4 gene;****sequence variation**

name of component: proprotein convertase subtilisin/kexin type 4

[NPU38130](#)

DNA(spec.)—PCSK4 gene; seq.var. = ?

DNA(specification)—**PCSK5 gene;****sequence variation**

name of component: proprotein convertase subtilisin/kexin type 5

[NPU38131](#)

DNA(spec.)—PCSK5 gene; seq.var. = ?

DNA(specification)—**PCSK7 gene;****sequence variation**

name of component: proprotein convertase subtilisin/kexin type 7

[NPU38132](#)

DNA(spec.)—PCSK7 gene; seq.var. = ?

DNA(specification)—**PCSK9 gene;****sequence variation**

name of component: proprotein convertase subtilisin/kexin type 9

[NPU47346](#)

DNA(spec.)—PCSK9 gene; seq.var. = ?

DNA(specification)—**PCTK1 gene;****sequence variation**

name of component: PCTAIRE protein kinase 1

[NPU38133](#)

DNA(spec.)—PCTK1 gene; seq.var. = ?

DNA(specification)—**PCTK2 gene;****sequence variation**

name of component: PCTAIRE protein kinase 2

[NPU38134](#)

DNA(spec.)—PCTK2 gene; seq.var. = ?

DNA(specification)—**PCTK3 gene;****sequence variation**

name of component: PCTAIRE protein kinase 3

[NPU38135](#)

DNA(spec.)—PCTK3 gene; seq.var. = ?

DNA(specification)—**PCTP gene;****sequence variation**

name of component: phosphatidylcholine transfer protein

[NPU38136](#)

DNA(spec.)—PCTP gene; seq.var. = ?

DNA(specification)—**PCYT1A gene;****sequence variation**

name of component: phosphate cytidyltransferase 1, choline, alpha isoform

[NPU38137](#)

DNA(spec.)—PCYT1A gene; seq.var. = ?

DNA(specification)—**PCYT1B gene;****sequence variation**

name of component: phosphate cytidyltransferase 1, choline, beta isoform

[NPU38138](#)

DNA(spec.)—PCYT1B gene; seq.var. = ?

DNA(specification)—**PCYT2 gene;****sequence variation**

name of component: phosphate cytidyltransferase 2, ethanolamine

[NPU38139](#)

DNA(spec.)—PCYT2 gene; seq.var. = ?

DNA(specification)—**PDAP1 gene;****sequence variation**

name of component: PDGFA associated protein 1

[NPU42911](#)

DNA(spec.)—PDAP1 gene; seq.var. = ?

DNA(specification)—**PDB1 gene;****sequence variation**

name of component: Paget disease of bone 1

[NPU38140](#)

DNA(spec.)—PDB1 gene; seq.var. = ?

DNA(specification)—**PDB2 gene;****sequence variation**

name of component: Paget disease of bone 2

[NPU38141](#)

DNA(spec.)—PDB2 gene; seq.var. = ?

DNA(specification)—**PDB3 gene;****sequence variation**

name of component: Paget disease of bone 3

[NPU44094](#)

DNA(spec.)—PDB3 gene; seq.var. = ?

DNA(specification)—**PDB4 gene;****sequence variation**

name of component: Paget disease of bone 4

[NPU44095](#)

DNA(spec.)—PDB4 gene; seq.var. = ?

DNA(specification)—**PDB5 gene;****sequence variation**

name of component: Paget disease of bone 5

[NPU46189](#)

DNA(spec.)—PDB5 gene; seq.var. = ?

DNA(specification)—**PDB6 gene;****sequence variation**

name of component: Paget disease of bone 6

[NPU46190](#)

DNA(spec.)—PDB6 gene; seq.var. = ?

DNA(specification)—**PDC gene;****sequence variation**

name of component: phosducin

[NPU38142](#)

DNA(spec.)—PDC gene; seq.var. = ?

DNA(specification)—**PD CD1 gene;****sequence variation**

name of component: programmed cell death 1

[NPU38143](#)

DNA(spec.)—PD CD1 gene; seq.var. = ?

DNA(specification)—**PD CD10 gene;****sequence variation**

name of component: programmed cell death 10

[NPU38144](#)

DNA(spec.)—PD CD10 gene; seq.var. = ?

DNA(specification)—
PDCD11 gene;
sequence variation
name of component: programmed cell death 11
[NPU42119](#)
DNA(spec.)—PDCD11 gene; seq.var. = ?

DNA(specification)—
PDCD2 gene;
sequence variation
name of component: programmed cell death 2
[NPU38145](#)
DNA(spec.)—PDCD2 gene; seq.var. = ?

DNA(specification)—
PDCD4 gene;
sequence variation
name of component: programmed cell death 4
(neoplastic transformation inhibitor)
[NPU38146](#)
DNA(spec.)—PDCD4 gene; seq.var. = ?

DNA(specification)—
PDCD5 gene;
sequence variation
name of component: programmed cell death 5
[NPU38147](#)
DNA(spec.)—PDCD5 gene; seq.var. = ?

DNA(specification)—
PDCD6 gene;
sequence variation
name of component: programmed cell death 6
[NPU38148](#)
DNA(spec.)—PDCD6 gene; seq.var. = ?

DNA(specification)—
PDCD6IP gene;
sequence variation
name of component: programmed cell death 6 interacting protein
[NPU38149](#)
DNA(spec.)—PDCD6IP gene; seq.var. = ?

DNA(specification)—
PDCD7 gene;
sequence variation
name of component: programmed cell death 7
[NPU38150](#)
DNA(spec.)—PDCD7 gene; seq.var. = ?

DNA(specification)—
PDCD8 gene;
sequence variation
name of component: programmed cell death 8
(apoptosis-inducing factor)
[NPU38151](#)
DNA(spec.)—PDCD8 gene; seq.var. = ?

DNA(specification)—
PDCL gene;
sequence variation
name of component: phosducin-like
[NPU38153](#)
DNA(spec.)—PDCL gene; seq.var. = ?

DNA(specification)—
PDE10A gene;
sequence variation
name of component: phosphodiesterase 10A
[NPU38154](#)
DNA(spec.)—PDE10A gene; seq.var. = ?

DNA(specification)—
PDE11A gene;
sequence variation
name of component: phosphodiesterase 11A
[NPU38155](#)
DNA(spec.)—PDE11A gene; seq.var. = ?

DNA(specification)—
PDE1A gene;
sequence variation
name of component: phosphodiesterase 1A, calmodulin-dependent
[NPU38156](#)
DNA(spec.)—PDE1A gene; seq.var. = ?

DNA(specification)—
PDE1B gene;
sequence variation
name of component: phosphodiesterase 1B, calmodulin-dependent
[NPU38157](#)
DNA(spec.)—PDE1B gene; seq.var. = ?

DNA(specification)—
PDE1C gene;
sequence variation
name of component: phosphodiesterase 1C, calmodulin-dependent 70 kDa
[NPU38158](#)
DNA(spec.)—PDE1C gene; seq.var. = ?

DNA(specification)—
PDE2A gene;
sequence variation
name of component: phosphodiesterase 2A, cGMP-stimulated
[NPU38159](#)
DNA(spec.)—PDE2A gene; seq.var. = ?

DNA(specification)—
PDE3A gene;
sequence variation
name of component: phosphodiesterase 3A, cGMP-inhibited
[NPU38160](#)
DNA(spec.)—PDE3A gene; seq.var. = ?

DNA(specification)—**PDE3B gene;****sequence variation**

name of component: phosphodiesterase 3B, cGMP-inhibited

[NPU38161](#)

DNA(spec.)—PDE3B gene; seq.var. = ?

DNA(specification)—**PDE4A gene;****sequence variation**

name of component: phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, *Drosophila*)

[NPU38162](#)

DNA(spec.)—PDE4A gene; seq.var. = ?

DNA(specification)—**PDE4B gene;****sequence variation**

name of component: phosphodiesterase 4B, cAMP-specific (phosphodiesterase E4 dunce homolog, *Drosophila*)

[NPU38163](#)

DNA(spec.)—PDE4B gene; seq.var. = ?

DNA(specification)—**PDE4C gene;****sequence variation**

name of component: phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, *Drosophila*)

[NPU38164](#)

DNA(spec.)—PDE4C gene; seq.var. = ?

DNA(specification)—**PDE4D gene;****sequence variation**

name of component: phosphodiesterase 4D, cAMP-specific (phosphodiesterase E3 dunce homolog, *Drosophila*)

[NPU38165](#)

DNA(spec.)—PDE4D gene; seq.var. = ?

DNA(specification)—**PDE4DIP gene;****sequence variation**

name of component: phosphodiesterase 4D interacting protein (myomegalin)

[NPU43757](#)

DNA(spec.)—PDE4DIP gene; seq.var. = ?

DNA(specification)—**PDE5A gene;****sequence variation**

name of component: phosphodiesterase 5A, cGMP-specific

[NPU38166](#)

DNA(spec.)—PDE5A gene; seq.var. = ?

DNA(specification)—**PDE6A gene;****sequence variation**

name of component: phosphodiesterase 6A, cGMP-specific, rod, alpha

[NPU38167](#)

DNA(spec.)—PDE6A gene; seq.var. = ?

DNA(specification)—**PDE6B gene;****sequence variation**

name of component: phosphodiesterase 6B, cGMP-specific, rod, beta (congenital stationary night blindness 3, autosomal dominant)

[NPU38168](#)

DNA(spec.)—PDE6B gene; seq.var. = ?

DNA(specification)—**PDE6C gene;****sequence variation**

name of component: phosphodiesterase 6C, cGMP-specific, cone, alpha prime

[NPU38169](#)

DNA(spec.)—PDE6C gene; seq.var. = ?

DNA(specification)—**PDE6D gene;****sequence variation**

name of component: phosphodiesterase 6D, cGMP-specific, rod, delta

[NPU38170](#)

DNA(spec.)—PDE6D gene; seq.var. = ?

DNA(specification)—**PDE6G gene;****sequence variation**

name of component: phosphodiesterase 6G, cGMP-specific, rod, gamma

[NPU38171](#)

DNA(spec.)—PDE6G gene; seq.var. = ?

DNA(specification)—**PDE6H gene;****sequence variation**

name of component: phosphodiesterase 6H, cGMP-specific, cone, gamma

[NPU38172](#)

DNA(spec.)—PDE6H gene; seq.var. = ?

DNA(specification)—**PDE7A gene;****sequence variation**

name of component: phosphodiesterase 7A

[NPU38173](#)

DNA(spec.)—PDE7A gene; seq.var. = ?

DNA(specification)—
PDE7B gene;
sequence variation
name of component: phosphodiesterase 7B
[NPU38174](#)
DNA(spec.)—PDE7B gene; seq.var. = ?

DNA(specification)—
PDE8A gene;
sequence variation
name of component: phosphodiesterase 8A
[NPU38175](#)
DNA(spec.)—PDE8A gene; seq.var. = ?

DNA(specification)—
PDE8B gene;
sequence variation
name of component: phosphodiesterase 8B
[NPU38176](#)
DNA(spec.)—PDE8B gene; seq.var. = ?

DNA(specification)—
PDE9A gene;
sequence variation
name of component: phosphodiesterase 9A
[NPU38177](#)
DNA(spec.)—PDE9A gene; seq.var. = ?

DNA(specification)—
PDGFA gene;
sequence variation
name of component: platelet-derived growth factor alpha polypeptide
[NPU38178](#)
DNA(spec.)—PDGFA gene; seq.var. = ?

DNA(specification)—
PDGFB gene;
sequence variation
name of component: platelet-derived growth factor beta polypeptide (simian sarcoma viral (v-sis) oncogene homolog)
[NPU38179](#)
DNA(spec.)—PDGFB gene; seq.var. = ?

DNA(specification)—
PDGFC gene;
sequence variation
name of component: platelet derived growth factor C
[NPU38180](#)
DNA(spec.)—PDGFC gene; seq.var. = ?

DNA(specification)—
PDGFRA gene;
sequence variation
name of component: platelet-derived growth factor receptor, alpha polypeptide
[NPU38181](#)
DNA(spec.)—PDGFRA gene; seq.var. = ?

DNA(specification)—
PDGFRB gene;
sequence variation
name of component: platelet-derived growth factor receptor, beta polypeptide
[NPU38182](#)
DNA(spec.)—PDGFRB gene; seq.var. = ?

DNA(specification)—
PDGFRL gene;
sequence variation
name of component: platelet-derived growth factor receptor-like
[NPU38183](#)
DNA(spec.)—PDGFRL gene; seq.var. = ?

DNA(specification)—
PDHA1 gene;
sequence variation
name of component: pyruvate dehydrogenase (lipoamide) alpha 1
[NPU38184](#)
DNA(spec.)—PDHA1 gene; seq.var. = ?

DNA(specification)—
PDHA2 gene;
sequence variation
name of component: pyruvate dehydrogenase (lipoamide) alpha 2
[NPU38185](#)
DNA(spec.)—PDHA2 gene; seq.var. = ?

DNA(specification)—
PDHB gene;
sequence variation
name of component: pyruvate dehydrogenase (lipoamide) beta
[NPU38186](#)
DNA(spec.)—PDHB gene; seq.var. = ?

DNA(specification)—
PDIP gene;
sequence variation
name of component: protein disulfide isomerase, pancreatic
[NPU42572](#)
DNA(spec.)—PDIP gene; seq.var. = ?

DNA(specification)—
PDK1 gene;
sequence variation
name of component: pyruvate dehydrogenase kinase, isoenzyme 1
[NPU38187](#)
DNA(spec.)—PDK1 gene; seq.var. = ?

DNA(specification)—**PDK2 gene;****sequence variation**

name of component: pyruvate dehydrogenase kinase, isoenzyme 2

[NPU38188](#)

DNA(spec.)—PDK2 gene; seq.var. = ?

DNA(specification)—**PDK3 gene;****sequence variation**

name of component: pyruvate dehydrogenase kinase, isoenzyme 3

[NPU38189](#)

DNA(spec.)—PDK3 gene; seq.var. = ?

DNA(specification)—**PDK4 gene;****sequence variation**

name of component: pyruvate dehydrogenase kinase, isoenzyme 4

[NPU38190](#)

DNA(spec.)—PDK4 gene; seq.var. = ?

DNA(specification)—**PDLIM1 gene;****sequence variation**

name of component: PDZ and LIM domain 1 (elfin)

[NPU31652](#)

DNA(spec.)—PDLIM1 gene; seq.var. = ?

DNA(specification)—**PDLIM1P gene;****sequence variation**

name of component: PDZ and LIM domain 1 pseudogene

[NPU47370](#)

DNA(spec.)—PDLIM1P gene; seq.var. = ?

DNA(specification)—**PDLIM2 gene;****sequence variation**

name of component: PDZ and LIM domain 2 (mystique)

[NPU42428](#)

DNA(spec.)—PDLIM2 gene; seq.var. = ?

DNA(specification)—**PDPK1 gene;****sequence variation**

name of component: 3-phosphoinositide dependent protein kinase-1

[NPU38191](#)

DNA(spec.)—PDPK1 gene; seq.var. = ?

DNA(specification)—**PDR gene;****sequence variation**

name of component: pigment disorder, reticulate

[NPU38192](#)

DNA(spec.)—PDR gene; seq.var. = ?

DNA(specification)—**PDXK gene;****sequence variation**

name of component: pyridoxal (pyridoxine, vitamin B6) kinase

[NPU38193](#)

DNA(spec.)—PDXK gene; seq.var. = ?

DNA(specification)—**PDYN gene;****sequence variation**

name of component: prodynorphin

[NPU38194](#)

DNA(spec.)—PDYN gene; seq.var. = ?

DNA(specification)—**PDZGEF1 gene;****sequence variation**

name of component: PDZ domain containing guanine nucleotide exchange factor (GEF) 1

[NPU44742](#)

DNA(spec.)—PDZGEF1 gene; seq.var. = ?

DNA(specification)—**PDZK1 gene;****sequence variation**

name of component: PDZ domain containing 1

[NPU38195](#)

DNA(spec.)—PDZK1 gene; seq.var. = ?

DNA(specification)—**PDZK2 gene;****sequence variation**

name of component: PDZ domain containing 2

[NPU47297](#)

DNA(spec.)—PDZK2 gene; seq.var. = ?

DNA(specification)—**PDZK3 gene;****sequence variation**

name of component: PDZ domain containing 3

[NPU46492](#)

DNA(spec.)—PDZK3 gene; seq.var. = ?

DNA(specification)—**PDZRN1 gene;****sequence variation**

name of component: PDZ domain containing ring finger 1

[NPU47612](#)

DNA(spec.)—PDZRN1 gene; seq.var. = ?

DNA(specification)—**PEA15 gene;****sequence variation**

name of component: phosphoprotein enriched in astrocytes 15

[NPU38196](#)

DNA(spec.)—PEA15 gene; seq.var. = ?

DNA(specification)—**PECAM1 gene;****sequence variation**

name of component: platelet/endothelial cell adhesion molecule (CD31 antigen)

[NPU38197](#)

DNA(spec.)—PECAM1 gene; seq.var. = ?

DNA(specification)—**PECI gene;****sequence variation**

name of component: peroxisomal D3,D2-enoyl-CoA isomerase

[NPU42889](#)

DNA(spec.)—PECI gene; seq.var. = ?

DNA(specification)—**PEE1 gene;****sequence variation**

name of component: preeclampsia/eclampsia 1

[NPU38199](#)

DNA(spec.)—PEE1 gene; seq.var. = ?

DNA(specification)—**PEG10 gene;****sequence variation**

name of component: paternally expressed 10

[NPU42441](#)

DNA(spec.)—PEG10 gene; seq.var. = ?

DNA(specification)—**PEG3 gene;****sequence variation**

name of component: paternally expressed 3

[NPU38200](#)

DNA(spec.)—PEG3 gene; seq.var. = ?

DNA(specification)—**PELI1 gene;****sequence variation**

name of component: pellino homolog 1 (Drosophila)

[NPU38201](#)

DNA(spec.)—PELI1 gene; seq.var. = ?

DNA(specification)—**PELI2 gene;****sequence variation**

name of component: pellino homolog 2 (Drosophila)

[NPU38202](#)

DNA(spec.)—PELI2 gene; seq.var. = ?

DNA(specification)—**PELO gene;****sequence variation**

name of component: pelota homolog (Drosophila)

[NPU38203](#)

DNA(spec.)—PELO gene; seq.var. = ?

DNA(specification)—**PEMT gene;****sequence variation**

name of component: phosphatidylethanolamine N-methyltransferase

[NPU38204](#)

DNA(spec.)—PEMT gene; seq.var. = ?

DNA(specification)—**PENK gene;****sequence variation**

name of component: proenkephalin

[NPU38205](#)

DNA(spec.)—PENK gene; seq.var. = ?

DNA(specification)—**PEO1 gene;****sequence variation**

name of component: progressive external ophthalmoplegia 1

[NPU38206](#)

DNA(spec.)—PEO1 gene; seq.var. = ?

DNA(specification)—**PEPA gene;****sequence variation**

name of component: peptidase A

[NPU38207](#)

DNA(spec.)—PEPA gene; seq.var. = ?

DNA(specification)—**PEPB gene;****sequence variation**

name of component: peptidase B

[NPU38208](#)

DNA(spec.)—PEPB gene; seq.var. = ?

DNA(specification)—**PEPC gene;****sequence variation**

name of component: peptidase C

[NPU38209](#)

DNA(spec.)—PEPC gene; seq.var. = ?

DNA(specification)—**PEPD gene;****sequence variation**

name of component: peptidase D

[NPU19166](#)

DNA(spec.)—PEPD gene; seq.var. = ?

DNA(specification)—**PEPE gene;****sequence variation**

name of component: peptidase E

[NPU38210](#)

DNA(spec.)—PEPE gene; seq.var. = ?

DNA(specification)—**PEPS gene;****sequence variation**

name of component: peptidase S

[NPU38211](#)

DNA(spec.)—PEPS gene; seq.var. = ?

DNA(specification)—**PER1 gene;****sequence variation**

name of component: period homolog 1 (Drosophila)

[NPU38212](#)

DNA(spec.)—PER1 gene; seq.var. = ?

DNA(specification)—**PER2 gene;****sequence variation**

name of component: period homolog 2 (Drosophila)

[NPU38213](#)

DNA(spec.)—PER2 gene; seq.var. = ?

DNA(specification)—**PER3 gene;****sequence variation**

name of component: period homolog 3 (Drosophila)

[NPU38214](#)

DNA(spec.)—PER3 gene; seq.var. = ?

DNA(specification)—**PERQ1 gene;****sequence variation**

name of component: PERQ amino acid rich, with GYF domain 1

[NPU38448](#)

DNA(spec.)—PERQ1 gene; seq.var. = ?

DNA(specification)—**PERQ2 gene;****sequence variation**

name of component: PERQ amino acid rich, with GYF domain 2

[NPU42250](#)

DNA(spec.)—PERQ2 gene; seq.var. = ?

DNA(specification)—**PERQ3 gene;****sequence variation**

name of component: PERQ amino acid rich, with GYF domain 3

[NPU42251](#)

DNA(spec.)—PERQ3 gene; seq.var. = ?

DNA(specification)—**PES1 gene;****sequence variation**

name of component: pescadillo homolog 1, containing BRCT domain (zebrafish)

[NPU38215](#)

DNA(spec.)—PES1 gene; seq.var. = ?

DNA(specification)—**PET112L gene;****sequence variation**

name of component: PET112-like (yeast)

[NPU38216](#)

DNA(spec.)—PET112L gene; seq.var. = ?

DNA(specification)—**PEX1 gene;****sequence variation**

name of component: peroxisome biogenesis factor 1

[NPU38217](#)

DNA(spec.)—PEX1 gene; seq.var. = ?

DNA(specification)—**PEX10 gene;****sequence variation**

name of component: peroxisome biogenesis factor 10

[NPU38218](#)

DNA(spec.)—PEX10 gene; seq.var. = ?

DNA(specification)—**PEX11A gene;****sequence variation**

name of component: peroxisomal biogenesis factor 11A

[NPU38219](#)

DNA(spec.)—PEX11A gene; seq.var. = ?

DNA(specification)—**PEX11B gene;****sequence variation**

name of component: peroxisomal biogenesis factor 11B

[NPU38220](#)

DNA(spec.)—PEX11B gene; seq.var. = ?

DNA(specification)—**PEX12 gene;****sequence variation**

name of component: peroxisomal biogenesis factor 12

[NPU38221](#)

DNA(spec.)—PEX12 gene; seq.var. = ?

DNA(specification)—**PEX13 gene;****sequence variation**

name of component: peroxisome biogenesis factor 13

[NPU38222](#)

DNA(spec.)—PEX13 gene; seq.var. = ?

DNA(specification)—**PEX14 gene;****sequence variation**

name of component: peroxisomal biogenesis factor 14

[NPU38223](#)

DNA(spec.)—PEX14 gene; seq.var. = ?

DNA(specification)—**PEX16 gene;****sequence variation**

name of component: peroxisomal biogenesis factor 16

[NPU38224](#)

DNA(spec.)—PEX16 gene; seq.var. = ?

DNA(specification)—**PEX3 gene;****sequence variation**

name of component: peroxisomal biogenesis factor 3

[NPU38225](#)

DNA(spec.)—PEX3 gene; seq.var. = ?

DNA(specification)—**PEX6 gene;****sequence variation**

name of component: peroxisomal biogenesis factor 6

[NPU38226](#)

DNA(spec.)—PEX6 gene; seq.var. = ?

DNA(specification)—**PEX7 gene;****sequence variation**

name of component: peroxisomal biogenesis factor 7

[NPU19167](#)

DNA(spec.)—PEX7 gene; seq.var. = ?

DNA(specification)—**PF4 gene;****sequence variation**

name of component: platelet factor 4 (chemokine (C-X-C motif) ligand 4)

[NPU38227](#)

DNA(spec.)—PF4 gene; seq.var. = ?

DNA(specification)—**PF4V1 gene;****sequence variation**

name of component: platelet factor 4 variant 1

[NPU38228](#)

DNA(spec.)—PF4V1 gene; seq.var. = ?

DNA(specification)—**PFAS gene;****sequence variation**

name of component: phosphoribosylformylglycinamidine synthase (FGAR amidotransferase)

[NPU38229](#)

DNA(spec.)—PFAS gene; seq.var. = ?

DNA(specification)—**PFC gene;****sequence variation**

name of component: properdin P factor, complement

[NPU19248](#)

DNA(spec.)—PFC gene; seq.var. = ?

DNA(specification)—**PFDN1 gene;****sequence variation**

name of component: prefoldin 1

[NPU38230](#)

DNA(spec.)—PFDN1 gene; seq.var. = ?

DNA(specification)—**PFDN2 gene;****sequence variation**

name of component: prefoldin 2

[NPU38231](#)

DNA(spec.)—PFDN2 gene; seq.var. = ?

DNA(specification)—**PFDN4 gene;****sequence variation**

name of component: prefoldin 4

[NPU38232](#)

DNA(spec.)—PFDN4 gene; seq.var. = ?

DNA(specification)—**PFDN5 gene;****sequence variation**

name of component: prefoldin 5

[NPU38233](#)

DNA(spec.)—PFDN5 gene; seq.var. = ?

DNA(specification)—**PFKFB1 gene;****sequence variation**

name of component: 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 1

[NPU38234](#)

DNA(spec.)—PFKFB1 gene; seq.var. = ?

DNA(specification)—**PFKFB2 gene;****sequence variation**

name of component: 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 2

[NPU38235](#)

DNA(spec.)—PFKFB2 gene; seq.var. = ?

DNA(specification)—**PFKFB3 gene;****sequence variation**

name of component: 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3

[NPU38236](#)

DNA(spec.)—PFKFB3 gene; seq.var. = ?

DNA(specification)—**PFKFB4 gene;****sequence variation**

name of component: 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4

[NPU38237](#)

DNA(spec.)—PFKFB4 gene; seq.var. = ?

DNA(specification)—**PFKL gene;****sequence variation**

name of component: phosphofructokinase, liver

[NPU38238](#)

DNA(spec.)—PFKL gene; seq.var. = ?

DNA(specification)—**PFKM gene;****sequence variation**

name of component: phosphofructokinase, muscle

[NPU19168](#)

DNA(spec.)—PFKM gene; seq.var. = ?

DNA(specification)—**PFKP gene;****sequence variation**

name of component: phosphofructokinase, platelet

[NPU38239](#)

DNA(spec.)—PFKP gene; seq.var. = ?

DNA(specification)—**PFKX gene;****sequence variation**

name of component: phosphofructokinase, polypeptide X

[NPU38240](#)

DNA(spec.)—PFKX gene; seq.var. = ?

DNA(specification)—**PFN1 gene;****sequence variation**

name of component: profilin 1

[NPU38241](#)

DNA(spec.)—PFN1 gene; seq.var. = ?

DNA(specification)—**PFN2 gene;****sequence variation**

name of component: profilin 2

[NPU38242](#)

DNA(spec.)—PFN2 gene; seq.var. = ?

DNA(specification)—**PFTK1 gene;****sequence variation**

name of component: PFTAIRES protein kinase 1

[NPU38243](#)

DNA(spec.)—PFTK1 gene; seq.var. = ?

DNA(specification)—**PGA@ gene;****sequence variation**

name of component: pepsinogen A gene cluster

[NPU38244](#)

DNA(spec.)—PGA@ gene; seq.var. = ?

DNA(specification)—**PGA3 gene;****sequence variation**

name of component: pepsinogen 3, group I (pepsinogen A)

[NPU38245](#)

DNA(spec.)—PGA3 gene; seq.var. = ?

DNA(specification)—**PGA4 gene;****sequence variation**

name of component: pepsinogen 4, group I (pepsinogen A)

[NPU38246](#)

DNA(spec.)—PGA4 gene; seq.var. = ?

DNA(specification)—**PGA5 gene;****sequence variation**

name of component: pepsinogen 5, group I (pepsinogen A)

[NPU38247](#)

DNA(spec.)—PGA5 gene; seq.var. = ?

DNA(specification)—**PGAM1 gene;****sequence variation**

name of component: phosphoglycerate mutase 1 (brain)

[NPU38248](#)

DNA(spec.)—PGAM1 gene; seq.var. = ?

DNA(specification)—**PGAM2 gene;****sequence variation**

name of component: phosphoglycerate mutase 2 (muscle)

[NPU38249](#)

DNA(spec.)—PGAM2 gene; seq.var. = ?

DNA(specification)—**PGAM3P gene;****sequence variation**

name of component: phosphoglycerate mutase 3, pseudogene

[NPU44538](#)

DNA(spec.)—PGAM3P gene; seq.var. = ?

DNA(specification)—**PGBD1 gene;****sequence variation**

name of component: piggyBac transposable element derived 1

[NPU47017](#)

DNA(spec.)—PGBD1 gene; seq.var. = ?

DNA(specification)—**PGBD2 gene;****sequence variation**

name of component: piggyBac transposable element derived 2

[NPU47018](#)

DNA(spec.)—PGBD2 gene; seq.var. = ?

DNA(specification)—**PGBD3 gene;****sequence variation**

name of component: piggyBac transposable element derived 3

[NPU47019](#)

DNA(spec.)—PGBD3 gene; seq.var. = ?

DNA(specification)—**PGBD3P1 gene;****sequence variation**

name of component: piggyBac transposable element derived 3 pseudogene 1

[NPU47021](#)

DNA(spec.)—PGBD3P1 gene; seq.var. = ?

DNA(specification)—**PGBD3P2 gene;****sequence variation**

name of component: piggyBac transposable element derived 3 pseudogene 2

[NPU47016](#)

DNA(spec.)—PGBD3P2 gene; seq.var. = ?

DNA(specification)—**PGBD3P3 gene;****sequence variation**

name of component: piggyBac transposable element derived 3 pseudogene 3

[NPU47015](#)

DNA(spec.)—PGBD3P3 gene; seq.var. = ?

DNA(specification)—**PGBD3P4 gene;****sequence variation**

name of component: piggyBac transposable element derived 3 pseudogene 4

[NPU47003](#)

DNA(spec.)—PGBD3P4 gene; seq.var. = ?

DNA(specification)—**PGBD4 gene;****sequence variation**

name of component: piggyBac transposable element derived 4

[NPU47020](#)

DNA(spec.)—PGBD4 gene; seq.var. = ?

DNA(specification)—**PGBD5 gene;****sequence variation**

name of component: piggyBac transposable element derived 5

[NPU47023](#)

DNA(spec.)—PGBD5 gene; seq.var. = ?

DNA(specification)—**PGC gene;****sequence variation**

name of component: progastricsin (pepsinogen C)

[NPU38250](#)

DNA(spec.)—PGC gene; seq.var. = ?

DNA(specification)—**PGD gene;****sequence variation**

name of component: phosphogluconate dehydrogenase

[NPU38251](#)

DNA(spec.)—PGD gene; seq.var. = ?

DNA(specification)—**PGDL1 gene;****sequence variation**

name of component: phosphogluconate dehydrogenase-like 1

[NPU38252](#)

DNA(spec.)—PGDL1 gene; seq.var. = ?

DNA(specification)—**PGF gene;****sequence variation**

name of component: placental growth factor, vascular endothelial growth factor-related protein

[NPU38253](#)

DNA(spec.)—PGF gene; seq.var. = ?

DNA(specification)—**PGFL gene;****sequence variation**

name of component: placental growth factor-like

[NPU38254](#)

DNA(spec.)—PGFL gene; seq.var. = ?

DNA(specification)—**PGGT1B gene;****sequence variation**

name of component: protein geranylgeranyltransferase type I, beta subunit

[NPU38255](#)

DNA(spec.)—PGGT1B gene; seq.var. = ?

DNA(specification)—**PGK1 gene;****sequence variation**

name of component: phosphoglycerate kinase 1

[NPU38256](#)

DNA(spec.)—PGK1 gene; seq.var. = ?

DNA(specification)—**PGK1P1 gene;****sequence variation**

name of component: phosphoglycerate kinase 1, pseudogene 1

[NPU38257](#)

DNA(spec.)—PGK1P1 gene; seq.var. = ?

DNA(specification)—**PGK1P2 gene;****sequence variation**

name of component: phosphoglycerate kinase 1, pseudogene 2

[NPU38259](#)

DNA(spec.)—PGK1P2 gene; seq.var. = ?

DNA(specification)—**PGK2 gene;****sequence variation**

name of component: phosphoglycerate kinase 2

[NPU38258](#)

DNA(spec.)—PGK2 gene; seq.var. = ?

DNA(specification)—**PGL2 gene;****sequence variation**

name of component: paraganglioma or familial glomus tumors 2

[NPU38260](#)

DNA(spec.)—PGL2 gene; seq.var. = ?

DNA(specification)—**PGL3 gene;****sequence variation**

name of component: paraganglioma or familial glomus tumors 3

[NPU38261](#)

DNA(spec.)—PGL3 gene; seq.var. = ?

DNA(specification)—**PGLS gene;****sequence variation**

name of component: 6-phosphogluconolactonase

[NPU38262](#)

DNA(spec.)—PGLS gene; seq.var. = ?

DNA(specification)—**PGLYRP gene;****sequence variation**

name of component: peptidoglycan recognition protein

[NPU38263](#)

DNA(spec.)—PGLYRP gene; seq.var. = ?

DNA(specification)—**PGM1 gene;****sequence variation**

name of component: phosphoglucomutase 1

[NPU38264](#)

DNA(spec.)—PGM1 gene; seq.var. = ?

DNA(specification)—**PGM2 gene;****sequence variation**

name of component: phosphoglucomutase 2

[NPU38265](#)

DNA(spec.)—PGM2 gene; seq.var. = ?

DNA(specification)—**PGM3 gene;****sequence variation**

name of component: phosphoglucomutase 3

[NPU38266](#)

DNA(spec.)—PGM3 gene; seq.var. = ?

DNA(specification)—**PGM5 gene;****sequence variation**

name of component: phosphoglucomutase 5

[NPU38267](#)

DNA(spec.)—PGM5 gene; seq.var. = ?

DNA(specification)—**PGP gene;****sequence variation**

name of component: phosphoglycolate phosphatase

[NPU38268](#)

DNA(spec.)—PGP gene; seq.var. = ?

DNA(specification)—
PGPEP1 gene;
sequence variation
name of component: pyroglutamyl-peptidase I
[NPU42200](#)
DNA(spec.)—PGPEP1 gene; seq.var. = ?

DNA(specification)—
PGR gene;
sequence variation
name of component: progesterone receptor
[NPU38269](#)
DNA(spec.)—PGR gene; seq.var. = ?

DNA(specification)—
PGRMC1 gene;
sequence variation
name of component: progesterone receptor membrane component 1
[NPU44137](#)
DNA(spec.)—PGRMC1 gene; seq.var. = ?

DNA(specification)—
PGRMC2 gene;
sequence variation
name of component: progesterone receptor membrane component 2
[NPU44136](#)
DNA(spec.)—PGRMC2 gene; seq.var. = ?

DNA(specification)—
PGS gene;
sequence variation
name of component: Pettigrew X-linked mental retardation syndrome
[NPU38270](#)
DNA(spec.)—PGS gene; seq.var. = ?

DNA(specification)—
PHB gene;
sequence variation
name of component: prohibitin
[NPU38271](#)
DNA(spec.)—PHB gene; seq.var. = ?

DNA(specification)—
PHBP1 gene;
sequence variation
name of component: prohibitin pseudogene 1
[NPU38272](#)
DNA(spec.)—PHBP1 gene; seq.var. = ?

DNA(specification)—
PHBP2 gene;
sequence variation
name of component: prohibitin pseudogene 2
[NPU38273](#)
DNA(spec.)—PHBP2 gene; seq.var. = ?

DNA(specification)—
PHBP3 gene;
sequence variation
name of component: prohibitin pseudogene 3
[NPU38274](#)
DNA(spec.)—PHBP3 gene; seq.var. = ?

DNA(specification)—
PHBP4 gene;
sequence variation
name of component: prohibitin pseudogene 4
[NPU38275](#)
DNA(spec.)—PHBP4 gene; seq.var. = ?

DNA(specification)—
PHC1 gene;
sequence variation
name of component: polyhomeotic-like 1 (Drosophila)
[NPU32520](#)
DNA(spec.)—PHC1 gene; seq.var. = ?

DNA(specification)—
PHC2 gene;
sequence variation
name of component: polyhomeotic-like 2 (Drosophila)
[NPU32521](#)
DNA(spec.)—PHC2 gene; seq.var. = ?

DNA(specification)—
PHC3 gene;
sequence variation
name of component: polyhomeotic like 3 (Drosophila)
[NPU43821](#)
DNA(spec.)—PHC3 gene; seq.var. = ?

DNA(specification)—
PHCA gene;
sequence variation
name of component: phytoceramidase, alkaline
[NPU44120](#)
DNA(spec.)—PHCA gene; seq.var. = ?

DNA(specification)—
PHEMX gene;
sequence variation
name of component: pan-hematopoietic expression
[NPU42120](#)
DNA(spec.)—PHEMX gene; seq.var. = ?

DNA(specification)—**PHEX gene;****sequence variation**

name of component: phosphate regulating gene with homologies to endopeptidases on the X chromosome (hypophosphatemia, vitamin D resistant rickets)

[NPU38276](#)

DNA(spec.)—PHEX gene; seq.var. = ?

DNA(specification)—**PHF1 gene;****sequence variation**

name of component: PHD finger protein 1

[NPU38277](#)

DNA(spec.)—PHF1 gene; seq.var. = ?

DNA(specification)—**PHF10 gene;****sequence variation**

name of component: PHD finger protein 10

[NPU46361](#)

DNA(spec.)—PHF10 gene; seq.var. = ?

DNA(specification)—**PHF11 gene;****sequence variation**

name of component: PHD finger protein 11

[NPU44818](#)

DNA(spec.)—PHF11 gene; seq.var. = ?

DNA(specification)—**PHF12 gene;****sequence variation**

name of component: PHD finger protein 12

[NPU47771](#)

DNA(spec.)—PHF12 gene; seq.var. = ?

DNA(specification)—**PHF2 gene;****sequence variation**

name of component: PHD finger protein 2

[NPU38278](#)

DNA(spec.)—PHF2 gene; seq.var. = ?

DNA(specification)—**PHF3 gene;****sequence variation**

name of component: PHD finger protein 3

[NPU38279](#)

DNA(spec.)—PHF3 gene; seq.var. = ?

DNA(specification)—**PHF4 gene;****sequence variation**

name of component: PHD finger protein 4

[NPU38280](#)

DNA(spec.)—PHF4 gene; seq.var. = ?

DNA(specification)—**PHF5A gene;****sequence variation**

name of component: PHD finger protein 5A

[NPU46217](#)

DNA(spec.)—PHF5A gene; seq.var. = ?

DNA(specification)—**PHF6 gene;****sequence variation**

name of component: PHD finger protein 6

[NPU46323](#)

DNA(spec.)—PHF6 gene; seq.var. = ?

DNA(specification)—**PHF7 gene;****sequence variation**

name of component: PHD finger protein 7

[NPU46473](#)

DNA(spec.)—PHF7 gene; seq.var. = ?

DNA(specification)—**PHF9 gene;****sequence variation**

name of component: PHD finger protein 9

[NPU47740](#)

DNA(spec.)—PHF9 gene; seq.var. = ?

DNA(specification)—**PHGDH gene;****sequence variation**

name of component: phosphoglycerate dehydrogenase

[NPU38281](#)

DNA(spec.)—PHGDH gene; seq.var. = ?

DNA(specification)—**PHGDHL1 gene;****sequence variation**

name of component: phosphoglycerate dehydrogenase like 1

[NPU47647](#)

DNA(spec.)—PHGDHL1 gene; seq.var. = ?

DNA(specification)—**PHIP gene;****sequence variation**

name of component: pleckstrin homology domain interacting protein

[NPU43814](#)

DNA(spec.)—PHIP gene; seq.var. = ?

DNA(specification)—**PHKA1 gene;****sequence variation**

name of component: phosphorylase kinase, alpha 1 (muscle)

[NPU38282](#)

DNA(spec.)—PHKA1 gene; seq.var. = ?

DNA(specification)—**PHKA2 gene;****sequence variation**

name of component: phosphorylase kinase, alpha 2 (liver)

[NPU38283](#)

DNA(spec.)—PHKA2 gene; seq.var. = ?

DNA(specification)—**PHKB gene;****sequence variation**

name of component: phosphorylase kinase, beta

[NPU38284](#)

DNA(spec.)—PHKB gene; seq.var. = ?

DNA(specification)—**PHKBP1 gene;****sequence variation**

name of component: phosphorylase kinase, beta pseudogene 1

[NPU38285](#)

DNA(spec.)—PHKBP1 gene; seq.var. = ?

DNA(specification)—**PHKBP2 gene;****sequence variation**

name of component: phosphorylase kinase, beta pseudogene 2

[NPU38286](#)

DNA(spec.)—PHKBP2 gene; seq.var. = ?

DNA(specification)—**PHKG1 gene;****sequence variation**

name of component: phosphorylase kinase, gamma 1 (muscle)

[NPU38287](#)

DNA(spec.)—PHKG1 gene; seq.var. = ?

DNA(specification)—**PHKG2 gene;****sequence variation**

name of component: phosphorylase kinase, gamma 2 (testis)

[NPU38288](#)

DNA(spec.)—PHKG2 gene; seq.var. = ?

DNA(specification)—**PHKGL gene;****sequence variation**

name of component: phosphorylase kinase, gamma-like

[NPU38289](#)

DNA(spec.)—PHKGL gene; seq.var. = ?

DNA(specification)—**PHLDA1 gene;****sequence variation**

name of component: pleckstrin homology-like domain, family A, member 1

[NPU38290](#)

DNA(spec.)—PHLDA1 gene; seq.var. = ?

DNA(specification)—**PHLDA3 gene;****sequence variation**

name of component: pleckstrin homology-like domain, family A, member 3

[NPU38291](#)

DNA(spec.)—PHLDA3 gene; seq.var. = ?

DNA(specification)—**PHOSPHO1 gene;****sequence variation**

name of component: phosphatase, orphan 1

[NPU44714](#)

DNA(spec.)—PHOSPHO1 gene; seq.var. = ?

DNA(specification)—**PHOX2A gene;****sequence variation**

name of component: paired-like (aristaless) homeobox 2a

[NPU30555](#)

DNA(spec.)—PHOX2A gene; seq.var. = ?

DNA(specification)—**PHOX2B gene;****sequence variation**

name of component: paired-like homeobox 2b

[NPU38463](#)

DNA(spec.)—PHOX2B gene; seq.var. = ?

DNA(specification)—**PHP gene;****sequence variation**

name of component: panhypopituitarism

[NPU38292](#)

DNA(spec.)—PHP gene; seq.var. = ?

DNA(specification)—**PHTF1 gene;****sequence variation**

name of component: putative homeodomain transcription factor 1

[NPU38293](#)

DNA(spec.)—PHTF1 gene; seq.var. = ?

DNA(specification)—**PHTF2 gene;****sequence variation**

name of component: putative homeodomain transcription factor 2

[NPU42121](#)

DNA(spec.)—PHTF2 gene; seq.var. = ?

DNA(specification)—**PHYH gene;****sequence variation**

name of component: phytanoyl-CoA hydroxylase
(Refsum disease)

[NPU19169](#)

DNA(spec.)—PHYH gene; seq.var. = ?

DNA(specification)—**PHYHIP gene;****sequence variation**

name of component: phytanoyl-CoA hydroxylase
interacting protein

[NPU44748](#)

DNA(spec.)—PHYHIP gene; seq.var. = ?

DNA(specification)—**PI15 gene;****sequence variation**

name of component: protease inhibitor 15

[NPU38298](#)

DNA(spec.)—PI15 gene; seq.var. = ?

DNA(specification)—**PI3 gene;****sequence variation**

name of component: protease inhibitor 3, skin-
derived (SKALP)

[NPU38299](#)

DNA(spec.)—PI3 gene; seq.var. = ?

DNA(specification)—**PI8L2 gene;****sequence variation**

name of component: protease inhibitor 8 (ovalbu-
min type)-like 2

[NPU38306](#)

DNA(spec.)—PI8L2 gene; seq.var. = ?

DNA(specification)—**PIAS1 gene;****sequence variation**

name of component: protein inhibitor of activated
STAT, 1

[NPU32198](#)

DNA(spec.)—PIAS1 gene; seq.var. = ?

DNA(specification)—**PIB5PA gene;****sequence variation**

name of component: phosphatidylinositol (4,5)
bisphosphate 5-phosphatase, A

[NPU38308](#)

DNA(spec.)—PIB5PA gene; seq.var. = ?

DNA(specification)—**PICALM gene;****sequence variation**

name of component: phosphatidylinositol binding
clathrin assembly protein

[NPU43711](#)

DNA(spec.)—PICALM gene; seq.var. = ?

DNA(specification)—**PIGA gene;****sequence variation**

name of component: phosphatidylinositol glycan,
class A (paroxysmal nocturnal hemoglobinuria)

[NPU38309](#)

DNA(spec.)—PIGA gene; seq.var. = ?

DNA(specification)—**PIGAP1 gene;****sequence variation**

name of component: phosphatidylinositol glycan,
class A, pseudogene 1

[NPU38310](#)

DNA(spec.)—PIGAP1 gene; seq.var. = ?

DNA(specification)—**PIGB gene;****sequence variation**

name of component: phosphatidylinositol glycan,
class B

[NPU38311](#)

DNA(spec.)—PIGB gene; seq.var. = ?

DNA(specification)—**PIGC gene;****sequence variation**

name of component: phosphatidylinositol glycan,
class C

[NPU38312](#)

DNA(spec.)—PIGC gene; seq.var. = ?

DNA(specification)—**PIGCP1 gene;****sequence variation**

name of component: phosphatidylinositol glycan,
class C, pseudogene 1

[NPU38313](#)

DNA(spec.)—PIGCP1 gene; seq.var. = ?

DNA(specification)—**PIGF gene;****sequence variation**

name of component: phosphatidylinositol glycan,
class F

[NPU38314](#)

DNA(spec.)—PIGF gene; seq.var. = ?

DNA(specification)—**PIGFP1 gene;****sequence variation**

name of component: phosphatidylinositol glycan, class F, pseudogene 1

[NPU38315](#)

DNA(spec.)—PIGFP1 gene; seq.var. = ?

DNA(specification)—**PIGH gene;****sequence variation**

name of component: phosphatidylinositol glycan, class H

[NPU38316](#)

DNA(spec.)—PIGH gene; seq.var. = ?

DNA(specification)—**PIGK gene;****sequence variation**

name of component: phosphatidylinositol glycan, class K

[NPU38317](#)

DNA(spec.)—PIGK gene; seq.var. = ?

DNA(specification)—**PIGL gene;****sequence variation**

name of component: phosphatidylinositol glycan, class L

[NPU38318](#)

DNA(spec.)—PIGL gene; seq.var. = ?

DNA(specification)—**PIGM gene;****sequence variation**

name of component: phosphatidylinositol glycan, class M

[NPU46708](#)

DNA(spec.)—PIGM gene; seq.var. = ?

DNA(specification)—**PIGN gene;****sequence variation**

name of component: phosphatidylinositol glycan, class N

[NPU38319](#)

DNA(spec.)—PIGN gene; seq.var. = ?

DNA(specification)—**PIGQ gene;****sequence variation**

name of component: phosphatidylinositol glycan, class Q

[NPU42531](#)

DNA(spec.)—PIGQ gene; seq.var. = ?

DNA(specification)—**PIGR gene;****sequence variation**

name of component: polymeric immunoglobulin receptor

[NPU38320](#)

DNA(spec.)—PIGR gene; seq.var. = ?

DNA(specification)—**PIGS gene;****sequence variation**

name of component: phosphatidylinositol glycan, class S

[NPU43182](#)

DNA(spec.)—PIGS gene; seq.var. = ?

DNA(specification)—**PIGT gene;****sequence variation**

name of component: phosphatidyl inositol glycan, class T

[NPU43183](#)

DNA(spec.)—PIGT gene; seq.var. = ?

DNA(specification)—**PIH gene;****sequence variation**

name of component: pregnancy-induced hypertension (pre-eclampsia, eclampsia, toxemia of pregnancy included)

[NPU38321](#)

DNA(spec.)—PIH gene; seq.var. = ?

DNA(specification)—**PIK3AP gene;****sequence variation**

name of component: phosphoinositide-3-kinase adaptor protein

[NPU44796](#)

DNA(spec.)—PIK3AP gene; seq.var. = ?

DNA(specification)—**PIK3C2A gene;****sequence variation**

name of component: phosphoinositide-3-kinase, class 2, alpha polypeptide

[NPU38322](#)

DNA(spec.)—PIK3C2A gene; seq.var. = ?

DNA(specification)—**PIK3C2B gene;****sequence variation**

name of component: phosphoinositide-3-kinase, class 2, beta polypeptide

[NPU38323](#)

DNA(spec.)—PIK3C2B gene; seq.var. = ?

DNA(specification)—**PIK3C2G gene;****sequence variation**

name of component: phosphoinositide-3-kinase,
class 2, gamma polypeptide

[NPU38324](#)

DNA(spec.)—PIK3C2G gene; seq.var. = ?

DNA(specification)—**PIK3C3 gene;****sequence variation**

name of component: phosphoinositide-3-kinase,
class 3

[NPU38325](#)

DNA(spec.)—PIK3C3 gene; seq.var. = ?

DNA(specification)—**PIK3CA gene;****sequence variation**

name of component: phosphoinositide-3-kinase,
catalytic, alpha polypeptide

[NPU38326](#)

DNA(spec.)—PIK3CA gene; seq.var. = ?

DNA(specification)—**PIK3CB gene;****sequence variation**

name of component: phosphoinositide-3-kinase,
catalytic, beta polypeptide

[NPU38327](#)

DNA(spec.)—PIK3CB gene; seq.var. = ?

DNA(specification)—**PIK3CD gene;****sequence variation**

name of component: phosphoinositide-3-kinase,
catalytic, delta polypeptide

[NPU38328](#)

DNA(spec.)—PIK3CD gene; seq.var. = ?

DNA(specification)—**PIK3CG gene;****sequence variation**

name of component: phosphoinositide-3-kinase,
catalytic, gamma polypeptide

[NPU38329](#)

DNA(spec.)—PIK3CG gene; seq.var. = ?

DNA(specification)—**PIK3R1 gene;****sequence variation**

name of component: phosphoinositide-3-kinase,
regulatory subunit, polypeptide 1 (p85 alpha)

[NPU38330](#)

DNA(spec.)—PIK3R1 gene; seq.var. = ?

DNA(specification)—**PIK3R2 gene;****sequence variation**

name of component: phosphoinositide-3-kinase,
regulatory subunit, polypeptide 2 (p85 beta)

[NPU38331](#)

DNA(spec.)—PIK3R2 gene; seq.var. = ?

DNA(specification)—**PIK3R3 gene;****sequence variation**

name of component: phosphoinositide-3-kinase,
regulatory subunit, polypeptide 3 (p55, gamma)

[NPU38332](#)

DNA(spec.)—PIK3R3 gene; seq.var. = ?

DNA(specification)—**PIK3R4 gene;****sequence variation**

name of component: phosphoinositide-3-kinase,
regulatory subunit 4, p150

[NPU38333](#)

DNA(spec.)—PIK3R4 gene; seq.var. = ?

DNA(specification)—**PIK4CA gene;****sequence variation**

name of component: phosphatidylinositol 4-kinase,
catalytic, alpha polypeptide

[NPU38334](#)

DNA(spec.)—PIK4CA gene; seq.var. = ?

DNA(specification)—**PIK4CB gene;****sequence variation**

name of component: phosphatidylinositol 4-kinase,
catalytic, beta polypeptide

[NPU38335](#)

DNA(spec.)—PIK4CB gene; seq.var. = ?

DNA(specification)—**PIM1 gene;****sequence variation**

name of component: pim-1 oncogene

[NPU38337](#)

DNA(spec.)—PIM1 gene; seq.var. = ?

DNA(specification)—**PIM2 gene;****sequence variation**

name of component: pim-2 oncogene

[NPU38338](#)

DNA(spec.)—PIM2 gene; seq.var. = ?

DNA(specification)—**PIN1 gene;****sequence variation**

name of component: protein (peptidyl-prolyl
cis/trans isomerase) NIMA-interacting 1

[NPU38339](#)

DNA(spec.)—PIN1 gene; seq.var. = ?

DNA(specification)—**PIN1L gene;****sequence variation**

name of component: protein (peptidyl-prolyl
cis/trans isomerase) NIMA-interacting 1-like

[NPU38340](#)

DNA(spec.)—PIN1L gene; seq.var. = ?

DNA(specification)—**PIN1L2 gene;****sequence variation**

name of component: protein (peptidyl-prolyl
cis/trans isomerase) NIMA-interacting 1-like 2

[NPU38341](#)

DNA(spec.)—PIN1L2 gene; seq.var. = ?

DNA(specification)—**PIN3 gene;****sequence variation**

name of component: protein, NIMA-interacting 3

[NPU38342](#)

DNA(spec.)—PIN3 gene; seq.var. = ?

DNA(specification)—**PIN4 gene;****sequence variation**

name of component: protein (peptidyl-prolyl
cis/trans isomerase) NIMA-interacting, 4 (parvu-
lin)

[NPU38343](#)

DNA(spec.)—PIN4 gene; seq.var. = ?

DNA(specification)—**PINK1 gene;****sequence variation**

name of component: PTEN induced putative kinase
1

[NPU42877](#)

DNA(spec.)—PINK1 gene; seq.var. = ?

DNA(specification)—**PIP gene;****sequence variation**

name of component: prolactin-induced protein

[NPU38344](#)

DNA(spec.)—PIP gene; seq.var. = ?

DNA(specification)—**PIP5K1A gene;****sequence variation**

name of component: phosphatidylinositol-4-
phosphate 5-kinase, type I, alpha

[NPU38345](#)

DNA(spec.)—PIP5K1A gene; seq.var. = ?

DNA(specification)—**PIP5K1B gene;****sequence variation**

name of component: phosphatidylinositol-4-
phosphate 5-kinase, type I, beta

[NPU38346](#)

DNA(spec.)—PIP5K1B gene; seq.var. = ?

DNA(specification)—**PIP5K1C gene;****sequence variation**

name of component: phosphatidylinositol-4-
phosphate 5-kinase, type I, gamma

[NPU38347](#)

DNA(spec.)—PIP5K1C gene; seq.var. = ?

DNA(specification)—**PIP5K2A gene;****sequence variation**

name of component: phosphatidylinositol-4-
phosphate 5-kinase, type II, alpha

[NPU38348](#)

DNA(spec.)—PIP5K2A gene; seq.var. = ?

DNA(specification)—**PIP5K2B gene;****sequence variation**

name of component: phosphatidylinositol-4-
phosphate 5-kinase, type II, beta

[NPU38349](#)

DNA(spec.)—PIP5K2B gene; seq.var. = ?

DNA(specification)—**PIPOX gene;****sequence variation**

name of component: pipecolic acid oxidase

[NPU46105](#)

DNA(spec.)—PIPOX gene; seq.var. = ?

DNA(specification)—**PISD gene;****sequence variation**

name of component: phosphatidylserine decar-
boxylase

[NPU38350](#)

DNA(spec.)—PISD gene; seq.var. = ?

DNA(specification)—**PISRT1 gene;****sequence variation**

name of component: polled intersex syndrome
regulated transcript 1 homolog (goat)

[NPU44631](#)

DNA(spec.)—PISRT1 gene; seq.var. = ?

DNA(specification)—**PITPN gene;****sequence variation**

name of component: phosphatidylinositol transfer
protein

[NPU38351](#)

DNA(spec.)—PITPN gene; seq.var. = ?

DNA(specification)—**PITPNB gene;****sequence variation**

name of component: phosphatidylinositol transfer
protein, beta

[NPU38352](#)

DNA(spec.)—PITPNB gene; seq.var. = ?

DNA(specification)—**PITPNC1 gene;****sequence variation**

name of component: phosphatidylinositol transfer
protein, cytoplasmic 1

[NPU47845](#)

DNA(spec.)—PITPNC1 gene; seq.var. = ?

DNA(specification)—**PITPNM1 gene;****sequence variation**

name of component: phosphatidylinositol transfer
protein, membrane-associated 1

[NPU38353](#)

DNA(spec.)—PITPNM1 gene; seq.var. = ?

DNA(specification)—**PITPNM2 gene;****sequence variation**

name of component: phosphatidylinositol transfer
protein, membrane-associated 2

[NPU47844](#)

DNA(spec.)—PITPNM2 gene; seq.var. = ?

DNA(specification)—**PITPNM3 gene;****sequence variation**

name of component: PITPNM family member 3

[NPU47843](#)

DNA(spec.)—PITPNM3 gene; seq.var. = ?

DNA(specification)—**PITRM1 gene;****sequence variation**

name of component: pitrilysin metalloproteinase 1

[NPU46072](#)

DNA(spec.)—PITRM1 gene; seq.var. = ?

DNA(specification)—**PITX1 gene;****sequence variation**

name of component: paired-like homeodomain
transcription factor 1

[NPU38354](#)

DNA(spec.)—PITX1 gene; seq.var. = ?

DNA(specification)—**PITX2 gene;****sequence variation**

name of component: paired-like homeodomain
transcription factor 2

[NPU38355](#)

DNA(spec.)—PITX2 gene; seq.var. = ?

DNA(specification)—**PITX3 gene;****sequence variation**

name of component: paired-like homeodomain
transcription factor 3

[NPU38356](#)

DNA(spec.)—PITX3 gene; seq.var. = ?

DNA(specification)—**PIWIL1 gene;****sequence variation**

name of component: piwi-like 1 (Drosophila)

[NPU38357](#)

DNA(spec.)—PIWIL1 gene; seq.var. = ?

DNA(specification)—**PIWIL2 gene;****sequence variation**

name of component: piwi-like 2 (Drosophila)

[NPU46065](#)

DNA(spec.)—PIWIL2 gene; seq.var. = ?

DNA(specification)—**PIWIL3 gene;****sequence variation**

name of component: piwi-like 3 (Drosophila)

[NPU46464](#)

DNA(spec.)—PIWIL3 gene; seq.var. = ?

DNA(specification)—**PIWIL4 gene;****sequence variation**

name of component: piwi-like 4 (Drosophila)

[NPU46465](#)

DNA(spec.)—PIWIL4 gene; seq.var. = ?

DNA(specification)—**PJA1 gene;****sequence variation**

name of component: praja 1

[NPU44616](#)

DNA(spec.)—PJA1 gene; seq.var. = ?

DNA(specification)—**PKD1 gene;****sequence variation**

name of component: polycystic kidney disease 1 (autosomal dominant)

[NPU19171](#)

DNA(spec.)—PKD1 gene; seq.var. = ?

DNA(specification)—**PKD1L1 gene;****sequence variation**

name of component: polycystic kidney disease 1 like 1

[NPU46252](#)

DNA(spec.)—PKD1L1 gene; seq.var. = ?

DNA(specification)—**PKD2 gene;****sequence variation**

name of component: polycystic kidney disease 2 (autosomal dominant)

[NPU19172](#)

DNA(spec.)—PKD2 gene; seq.var. = ?

DNA(specification)—**PKD2L1 gene;****sequence variation**

name of component: polycystic kidney disease 2-like 1

[NPU38358](#)

DNA(spec.)—PKD2L1 gene; seq.var. = ?

DNA(specification)—**PKD2L2 gene;****sequence variation**

name of component: polycystic kidney disease 2-like 2

[NPU38359](#)

DNA(spec.)—PKD2L2 gene; seq.var. = ?

DNA(specification)—**PKD3 gene;****sequence variation**

name of component: polycystic kidney disease 3 (autosomal dominant)

[NPU38360](#)

DNA(spec.)—PKD3 gene; seq.var. = ?

DNA(specification)—**PKDREJ gene;****sequence variation**

name of component: polycystic kidney disease (polycystin) and REJ (sperm receptor for egg jelly homolog, sea urchin)-like

[NPU38361](#)

DNA(spec.)—PKDREJ gene; seq.var. = ?

DNA(specification)—**PKHD1 gene;****sequence variation**

name of component: polycystic kidney and hepatic disease 1 (autosomal recessive)

[NPU38362](#)

DNA(spec.)—PKHD1 gene; seq.var. = ?

DNA(specification)—**PKHD1L1 gene;****sequence variation**

name of component: polycystic kidney and hepatic disease 1 (autosomal recessive)-like 1

[NPU47547](#)

DNA(spec.)—PKHD1L1 gene; seq.var. = ?

DNA(specification)—**PKIA gene;****sequence variation**

name of component: protein kinase (cAMP-dependent, catalytic) inhibitor alpha

[NPU38363](#)

DNA(spec.)—PKIA gene; seq.var. = ?

DNA(specification)—**PKIB gene;****sequence variation**

name of component: protein kinase (cAMP-dependent, catalytic) inhibitor beta

[NPU38364](#)

DNA(spec.)—PKIB gene; seq.var. = ?

DNA(specification)—**PKIG gene;****sequence variation**

name of component: protein kinase (cAMP-dependent, catalytic) inhibitor gamma

[NPU38365](#)

DNA(spec.)—PKIG gene; seq.var. = ?

DNA(specification)—**PKLR gene;****sequence variation**

name of component: pyruvate kinase, liver and RBC

[NPU19272](#)

DNA(spec.)—PKLR gene; seq.var. = ?

DNA(specification)—**PKM2 gene;****sequence variation**

name of component: pyruvate kinase, muscle

[NPU38366](#)

DNA(spec.)—PKM2 gene; seq.var. = ?

DNA(specification)—**PKNOX1 gene;****sequence variation**

name of component: PBX/knotted 1 homeobox 1

[NPU38367](#)

DNA(spec.)—PKNOX1 gene; seq.var. = ?

DNA(specification)—**PKNOX2 gene;****sequence variation**

name of component: PBX/knotted 1 homeobox 2

[NPU44655](#)

DNA(spec.)—PKNOX2 gene; seq.var. = ?

DNA(specification)—**PKP1 gene;****sequence variation**

name of component: plakophilin 1 (ectodermal dysplasia/skin fragility syndrome)

[NPU38368](#)

DNA(spec.)—PKP1 gene; seq.var. = ?

DNA(specification)—**PKP2 gene;****sequence variation**

name of component: plakophilin 2

[NPU38369](#)

DNA(spec.)—PKP2 gene; seq.var. = ?

DNA(specification)—**PKP3 gene;****sequence variation**

name of component: plakophilin 3

[NPU38370](#)

DNA(spec.)—PKP3 gene; seq.var. = ?

DNA(specification)—**PKP4 gene;****sequence variation**

name of component: plakophilin 4

[NPU38371](#)

DNA(spec.)—PKP4 gene; seq.var. = ?

DNA(specification)—**PLA1A gene;****sequence variation**

name of component: phospholipase A1 member A

[NPU46070](#)

DNA(spec.)—PLA1A gene; seq.var. = ?

DNA(specification)—**PLA2G10 gene;****sequence variation**

name of component: phospholipase A2, group X

[NPU38372](#)

DNA(spec.)—PLA2G10 gene; seq.var. = ?

DNA(specification)—**PLA2G12 gene;****sequence variation**

name of component: phospholipase A2, group XII

[NPU46527](#)

DNA(spec.)—PLA2G12 gene; seq.var. = ?

DNA(specification)—**PLA2G13 gene;****sequence variation**

name of component: phospholipase A2, group XIII

[NPU46528](#)

DNA(spec.)—PLA2G13 gene; seq.var. = ?

DNA(specification)—**PLA2G1B gene;****sequence variation**

name of component: phospholipase A2, group IB (pancreas)

[NPU38373](#)

DNA(spec.)—PLA2G1B gene; seq.var. = ?

DNA(specification)—**PLA2G2A gene;****sequence variation**

name of component: phospholipase A2, group IIA (platelets, synovial fluid)

[NPU38374](#)

DNA(spec.)—PLA2G2A gene; seq.var. = ?

DNA(specification)—**PLA2G2C gene;****sequence variation**

name of component: phospholipase A2, group IIC (possible pseudogene)

[NPU38375](#)

DNA(spec.)—PLA2G2C gene; seq.var. = ?

DNA(specification)—**PLA2G2D gene;****sequence variation**

name of component: phospholipase A2, group IID

[NPU38376](#)

DNA(spec.)—PLA2G2D gene; seq.var. = ?

DNA(specification)—**PLA2G3 gene;****sequence variation**

name of component: phospholipase A2, group III

[NPU46182](#)

DNA(spec.)—PLA2G3 gene; seq.var. = ?

DNA(specification)—**PLA2G4A gene;****sequence variation**

name of component: phospholipase A2, group IVA
(cytosolic, calcium-dependent)

[NPU38377](#)

DNA(spec.)—PLA2G4A gene; seq.var. = ?

DNA(specification)—**PLA2G4B gene;****sequence variation**

name of component: phospholipase A2, group IVB
(cytosolic)

[NPU38378](#)

DNA(spec.)—PLA2G4B gene; seq.var. = ?

DNA(specification)—**PLA2G4C gene;****sequence variation**

name of component: phospholipase A2, group IVC
(cytosolic, calcium-independent)

[NPU38379](#)

DNA(spec.)—PLA2G4C gene; seq.var. = ?

DNA(specification)—**PLA2G5 gene;****sequence variation**

name of component: phospholipase A2, group V

[NPU38380](#)

DNA(spec.)—PLA2G5 gene; seq.var. = ?

DNA(specification)—**PLA2G6 gene;****sequence variation**

name of component: phospholipase A2, group VI
(cytosolic, calcium-independent)

[NPU38381](#)

DNA(spec.)—PLA2G6 gene; seq.var. = ?

DNA(specification)—**PLA2G7 gene;****sequence variation**

name of component: phospholipase A2, group VII
(platelet-activating factor acetylhydrolase, plasma)

[NPU38382](#)

DNA(spec.)—PLA2G7 gene; seq.var. = ?

DNA(specification)—**PLA2R1 gene;****sequence variation**

name of component: phospholipase A2 receptor 1,
180 kDa

[NPU38383](#)

DNA(spec.)—PLA2R1 gene; seq.var. = ?

DNA(specification)—**PLAC1 gene;****sequence variation**

name of component: placenta-specific 1

[NPU38385](#)

DNA(spec.)—PLAC1 gene; seq.var. = ?

DNA(specification)—**PLAC2 gene;****sequence variation**

name of component: placenta-specific 2

[NPU42894](#)

DNA(spec.)—PLAC2 gene; seq.var. = ?

DNA(specification)—**PLAC3 gene;****sequence variation**

name of component: placenta-specific 3

[NPU42895](#)

DNA(spec.)—PLAC3 gene; seq.var. = ?

DNA(specification)—**PLAC4 gene;****sequence variation**

name of component: placenta-specific 4

[NPU42896](#)

DNA(spec.)—PLAC4 gene; seq.var. = ?

DNA(specification)—**PLAC5 gene;****sequence variation**

name of component: placenta-specific 5

[NPU42897](#)

DNA(spec.)—PLAC5 gene; seq.var. = ?

DNA(specification)—**PLAC6 gene;****sequence variation**

name of component: placenta-specific 6

[NPU42898](#)

DNA(spec.)—PLAC6 gene; seq.var. = ?

DNA(specification)—**PLAC7 gene;****sequence variation**

name of component: placenta-specific 7

[NPU42899](#)

DNA(spec.)—PLAC7 gene; seq.var. = ?

DNA(specification)—**PLAC8 gene;****sequence variation**

name of component: placenta-specific 8

[NPU46938](#)

DNA(spec.)—PLAC8 gene; seq.var. = ?

DNA(specification)—**PLAC9 gene;****sequence variation**

name of component: placenta-specific 9

[NPU46939](#)

DNA(spec.)—PLAC9 gene; seq.var. = ?

DNA(specification)—**PLAG1 gene;****sequence variation**

name of component: pleiomorphic adenoma gene 1

[NPU38386](#)

DNA(spec.)—PLAG1 gene; seq.var. = ?

DNA(specification)—**PLAGL1 gene;****sequence variation**

name of component: pleiomorphic adenoma gene-like 1

[NPU38387](#)

DNA(spec.)—PLAGL1 gene; seq.var. = ?

DNA(specification)—**PLAGL2 gene;****sequence variation**

name of component: pleiomorphic adenoma gene-like 2

[NPU38388](#)

DNA(spec.)—PLAGL2 gene; seq.var. = ?

DNA(specification)—**PLAT gene;****sequence variation**

name of component: plasminogen activator, tissue

[NPU38389](#)

DNA(spec.)—PLAT gene; seq.var. = ?

DNA(specification)—**PLAU gene;****sequence variation**

name of component: plasminogen activator, urokinase

[NPU38390](#)

DNA(spec.)—PLAU gene; seq.var. = ?

DNA(specification)—**PLAUR gene;****sequence variation**

name of component: plasminogen activator, urokinase receptor

[NPU38391](#)

DNA(spec.)—PLAUR gene; seq.var. = ?

DNA(specification)—**PLCB1 gene;****sequence variation**

name of component: phospholipase C, beta 1 (phosphoinositide-specific)

[NPU44000](#)

DNA(spec.)—PLCB1 gene; seq.var. = ?

DNA(specification)—**PLCB2 gene;****sequence variation**

name of component: phospholipase C, beta 2

[NPU38392](#)

DNA(spec.)—PLCB2 gene; seq.var. = ?

DNA(specification)—**PLCB3 gene;****sequence variation**

name of component: phospholipase C, beta 3 (phosphatidylinositol-specific)

[NPU38393](#)

DNA(spec.)—PLCB3 gene; seq.var. = ?

DNA(specification)—**PLCB4 gene;****sequence variation**

name of component: phospholipase C, beta 4

[NPU38396](#)

DNA(spec.)—PLCB4 gene; seq.var. = ?

DNA(specification)—**PLCD1 gene;****sequence variation**

name of component: phospholipase C, delta 1

[NPU38397](#)

DNA(spec.)—PLCD1 gene; seq.var. = ?

DNA(specification)—**PLCD3 gene;****sequence variation**

name of component: phospholipase C, delta 3

[NPU38398](#)

DNA(spec.)—PLCD3 gene; seq.var. = ?

DNA(specification)—**PLCD4 gene;****sequence variation**

name of component: phospholipase C, delta 4

[NPU38399](#)

DNA(spec.)—PLCD4 gene; seq.var. = ?

DNA(specification)—**PLCE1 gene;****sequence variation**

name of component: phospholipase C, epsilon 1

[NPU44897](#)

DNA(spec.)—PLCE1 gene; seq.var. = ?

DNA(specification)—**PLCG1 gene;****sequence variation**

name of component: phospholipase C, gamma 1 (formerly subtype 148)

[NPU38402](#)

DNA(spec.)—PLCG1 gene; seq.var. = ?

DNA(specification)—**PLCG2 gene;****sequence variation**

name of component: phospholipase C, gamma 2
(phosphatidylinositol-specific)

[NPU38403](#)

DNA(spec.)—PLCG2 gene; seq.var. = ?

DNA(specification)—**PLCL1 gene;****sequence variation**

name of component: phospholipase C-like 1

[NPU38400](#)

DNA(spec.)—PLCL1 gene; seq.var. = ?

DNA(specification)—**PLCL2 gene;****sequence variation**

name of component: phospholipase C-like 2

[NPU38401](#)

DNA(spec.)—PLCL2 gene; seq.var. = ?

DNA(specification)—**PLCZ1 gene;****sequence variation**

name of component: phospholipase C, zeta 1

[NPU46921](#)

DNA(spec.)—PLCZ1 gene; seq.var. = ?

DNA(specification)—**PLD1 gene;****sequence variation**

name of component: phospholipase D1, phosphatidylcholine-specific

[NPU38404](#)

DNA(spec.)—PLD1 gene; seq.var. = ?

DNA(specification)—**PLD2 gene;****sequence variation**

name of component: phospholipase D2

[NPU38405](#)

DNA(spec.)—PLD2 gene; seq.var. = ?

DNA(specification)—**PLD3 gene;****sequence variation**

name of component: phospholipase D3

[NPU44886](#)

DNA(spec.)—PLD3 gene; seq.var. = ?

DNA(specification)—**PLDN gene;****sequence variation**

name of component: pallidin homolog (mouse)

[NPU37957](#)

DNA(spec.)—PLDN gene; seq.var. = ?

DNA(specification)—**PLEC1 gene;****sequence variation**

name of component: plectin 1, intermediate filament binding protein 500 kDa

[NPU38406](#)

DNA(spec.)—PLEC1 gene; seq.var. = ?

DNA(specification)—**PLEK gene;****sequence variation**

name of component: pleckstrin

[NPU38407](#)

DNA(spec.)—PLEK gene; seq.var. = ?

DNA(specification)—**PLEK2 gene;****sequence variation**

name of component: pleckstrin 2

[NPU46927](#)

DNA(spec.)—PLEK2 gene; seq.var. = ?

DNA(specification)—**PLEKHA1 gene;****sequence variation**

name of component: pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 1

[NPU42679](#)

DNA(spec.)—PLEKHA1 gene; seq.var. = ?

DNA(specification)—**PLEKHA2 gene;****sequence variation**

name of component: pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 2

[NPU42680](#)

DNA(spec.)—PLEKHA2 gene; seq.var. = ?

DNA(specification)—**PLEKHA3 gene;****sequence variation**

name of component: pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 3

[NPU42681](#)

DNA(spec.)—PLEKHA3 gene; seq.var. = ?

DNA(specification)—**PLEKHA3P1 gene;****sequence variation**

name of component: pleckstrin homology domain-containing, family A member 3 pseudogene 1

[NPU47128](#)

DNA(spec.)—PLEKHA3P1 gene; seq.var. = ?

DNA(specification)—**PLEKHA4 gene;****sequence variation**

name of component: pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 4

[NPU42682](#)

DNA(spec.)—PLEKHA4 gene; seq.var. = ?

DNA(specification)—**PLEKHB1 gene;****sequence variation**

name of component: pleckstrin homology domain containing, family B (evectins) member 1

[NPU46847](#)

DNA(spec.)—PLEKHB1 gene; seq.var. = ?

DNA(specification)—**PLEKHB2 gene;****sequence variation**

name of component: pleckstrin homology domain containing, family B (evectins) member 2

[NPU46925](#)

DNA(spec.)—PLEKHB2 gene; seq.var. = ?

DNA(specification)—**PLEKHC1 gene;****sequence variation**

name of component: pleckstrin homology domain containing, family C (with FERM domain) member 1

[NPU43884](#)

DNA(spec.)—PLEKHC1 gene; seq.var. = ?

DNA(specification)—**PLEKHD1 gene;****sequence variation**

name of component: pleckstrin homology domain containing, family D (with M protein repeats) member 1

[NPU47450](#)

DNA(spec.)—PLEKHD1 gene; seq.var. = ?

DNA(specification)—**PLEKHE1 gene;****sequence variation**

name of component: pleckstrin homology domain containing, family E (with leucine rich repeats) member 1

[NPU47678](#)

DNA(spec.)—PLEKHE1 gene; seq.var. = ?

DNA(specification)—**PLEKHF1 gene;****sequence variation**

name of component: pleckstrin homology domain containing, family F (with FYVE domain) member 1

[NPU47752](#)

DNA(spec.)—PLEKHF1 gene; seq.var. = ?

DNA(specification)—**PLEKHF2 gene;****sequence variation**

name of component: pleckstrin homology domain containing, family F (with FYVE domain) member 2

[NPU47746](#)

DNA(spec.)—PLEKHF2 gene; seq.var. = ?

DNA(specification)—**PLEKHG1 gene;****sequence variation**

name of component: pleckstrin homology domain containing, family G (with RhoGef domain) member 1

[NPU47797](#)

DNA(spec.)—PLEKHG1 gene; seq.var. = ?

DNA(specification)—**PLG gene;****sequence variation**

name of component: plasminogen

[NPU38408](#)

DNA(spec.)—PLG gene; seq.var. = ?

DNA(specification)—**PLGL gene;****sequence variation**

name of component: plasminogen-like

[NPU38409](#)

DNA(spec.)—PLGL gene; seq.var. = ?

DNA(specification)—**PLGP1 gene;****sequence variation**

name of component: plasminogen pseudogene 1

[NPU38410](#)

DNA(spec.)—PLGP1 gene; seq.var. = ?

DNA(specification)—**PLGP2 gene;****sequence variation**

name of component: plasminogen pseudogene 2

[NPU38411](#)

DNA(spec.)—PLGP2 gene; seq.var. = ?

DNA(specification)—**PLIN gene;****sequence variation**

name of component: perilipin

[NPU38413](#)

DNA(spec.)—PLIN gene; seq.var. = ?

DNA(specification)—**PLK gene;****sequence variation**

name of component: polo-like kinase (*Drosophila*)

[NPU38414](#)

DNA(spec.)—PLK gene; seq.var. = ?

DNA(specification)—**PLN gene;****sequence variation**

name of component: phospholamban

[NPU38415](#)

DNA(spec.)—PLN gene; seq.var. = ?

DNA(specification)—**PLOD gene;****sequence variation**

name of component: procollagen-lysine, 2-oxoglutarate 5-dioxygenase (lysine hydroxylase, Ehlers-Danlos syndrome type VI)

[NPU38416](#)

DNA(spec.)—PLOD gene; seq.var. = ?

DNA(specification)—**PLOD2 gene;****sequence variation**

name of component: procollagen-lysine, 2-oxoglutarate 5-dioxygenase (lysine hydroxylase) 2

[NPU38417](#)

DNA(spec.)—PLOD2 gene; seq.var. = ?

DNA(specification)—**PLOD3 gene;****sequence variation**

name of component: procollagen-lysine, 2-oxoglutarate 5-dioxygenase 3

[NPU38418](#)

DNA(spec.)—PLOD3 gene; seq.var. = ?

DNA(specification)—**PLP1 gene;****sequence variation**

name of component: proteolipid protein 1 (Peli-zaeus-Merzbacher disease, spastic paraplegia 2, uncomplicated)

[NPU38419](#)

DNA(spec.)—PLP1 gene; seq.var. = ?

DNA(specification)—**PLP2 gene;****sequence variation**

name of component: proteolipid protein 2 (colonic epithelium-enriched)

[NPU38420](#)

DNA(spec.)—PLP2 gene; seq.var. = ?

DNA(specification)—**PLRG1 gene;****sequence variation**

name of component: pleiotropic regulator 1 (PRL1 homolog, Arabidopsis)

[NPU38421](#)

DNA(spec.)—PLRG1 gene; seq.var. = ?

DNA(specification)—**PLS1 gene;****sequence variation**

name of component: plastin 1 (I isoform)

[NPU38422](#)

DNA(spec.)—PLS1 gene; seq.var. = ?

DNA(specification)—**PLS3 gene;****sequence variation**

name of component: plastin 3 (T isoform)

[NPU38423](#)

DNA(spec.)—PLS3 gene; seq.var. = ?

DNA(specification)—**PLSCR1 gene;****sequence variation**

name of component: phospholipid scramblase 1

[NPU38424](#)

DNA(spec.)—PLSCR1 gene; seq.var. = ?

DNA(specification)—**PLSCR2 gene;****sequence variation**

name of component: phospholipid scramblase 2

[NPU44484](#)

DNA(spec.)—PLSCR2 gene; seq.var. = ?

DNA(specification)—**PLSCR3 gene;****sequence variation**

name of component: phospholipid scramblase 3

[NPU44485](#)

DNA(spec.)—PLSCR3 gene; seq.var. = ?

DNA(specification)—**PLSCR4 gene;****sequence variation**

name of component: phospholipid scramblase 4

[NPU44487](#)

DNA(spec.)—PLSCR4 gene; seq.var. = ?

DNA(specification)—**PLTP gene;****sequence variation**

name of component: phospholipid transfer protein

[NPU38425](#)

DNA(spec.)—PLTP gene; seq.var. = ?

DNA(specification)—**PLUNC gene;****sequence variation**

name of component: palate, lung and nasal epithelium carcinoma associated

[NPU43869](#)

DNA(spec.)—PLUNC gene; seq.var. = ?

DNA(specification)—
PLVAP gene;
sequence variation
name of component: plasmalemma vesicle associated protein
[NPU42247](#)
DNA(spec.)—PLVAP gene; seq.var. = ?

DNA(specification)—
PLXNA1 gene;
sequence variation
name of component: plexin A1
[NPU38426](#)
DNA(spec.)—PLXNA1 gene; seq.var. = ?

DNA(specification)—
PLXNA2 gene;
sequence variation
name of component: plexin A2
[NPU38427](#)
DNA(spec.)—PLXNA2 gene; seq.var. = ?

DNA(specification)—
PLXNA3 gene;
sequence variation
name of component: plexin A3
[NPU38428](#)
DNA(spec.)—PLXNA3 gene; seq.var. = ?

DNA(specification)—
PLXNA4 gene;
sequence variation
name of component: plexin A4
[NPU38429](#)
DNA(spec.)—PLXNA4 gene; seq.var. = ?

DNA(specification)—
PLXNB1 gene;
sequence variation
name of component: plexin B1
[NPU38430](#)
DNA(spec.)—PLXNB1 gene; seq.var. = ?

DNA(specification)—
PLXNB2 gene;
sequence variation
name of component: plexin B2
[NPU38431](#)
DNA(spec.)—PLXNB2 gene; seq.var. = ?

DNA(specification)—
PLXNB3 gene;
sequence variation
name of component: plexin B3
[NPU38432](#)
DNA(spec.)—PLXNB3 gene; seq.var. = ?

DNA(specification)—
PLXNC1 gene;
sequence variation
name of component: plexin C1
[NPU38433](#)
DNA(spec.)—PLXNC1 gene; seq.var. = ?

DNA(specification)—
PLXND1 gene;
sequence variation
name of component: plexin D1
[NPU38434](#)
DNA(spec.)—PLXND1 gene; seq.var. = ?

DNA(specification)—
PLAA gene;
sequence variation
name of component: phospholipase A2-activating protein
[NPU38384](#)
DNA(spec.)—PLAA gene; seq.var. = ?

DNA(specification)—
PMAIP1 gene;
sequence variation
name of component: phorbol-12-myristate-13-acetate-induced protein 1
[NPU38435](#)
DNA(spec.)—PMAIP1 gene; seq.var. = ?

DNA(specification)—
PMCH gene;
sequence variation
name of component: pro-melanin-concentrating hormone
[NPU38436](#)
DNA(spec.)—PMCH gene; seq.var. = ?

DNA(specification)—
PMCHL1 gene;
sequence variation
name of component: pro-melanin-concentrating hormone-like 1
[NPU38437](#)
DNA(spec.)—PMCHL1 gene; seq.var. = ?

DNA(specification)—
PMCHL2 gene;
sequence variation
name of component: pro-melanin-concentrating hormone-like 2
[NPU38438](#)
DNA(spec.)—PMCHL2 gene; seq.var. = ?

DNA(specification)—
PMF1 gene;
sequence variation
name of component: polyamine-modulated factor 1
[NPU38439](#)
DNA(spec.)—PMF1 gene; seq.var. = ?

DNA(specification)—**PMFBP1 gene;****sequence variation**

name of component: polyamine modulated factor 1
binding protein 1

[NPU46081](#)

DNA(spec.)—PMFBP1 gene; seq.var. = ?

DNA(specification)—**PML gene;****sequence variation**

name of component: promyelocytic leukemia

[NPU38440](#)

DNA(spec.)—PML gene; seq.var. = ?

DNA(specification)—**PMM1 gene;****sequence variation**

name of component: phosphomannomutase 1

[NPU38441](#)

DNA(spec.)—PMM1 gene; seq.var. = ?

DNA(specification)—**PMM2 gene;****sequence variation**

name of component: phosphomannomutase 2

[NPU19173](#)

DNA(spec.)—PMM2 gene; seq.var. = ?

DNA(specification)—

PMM2 gene(MIM601785.0001);

entitic number(0 1 2)

NPU19299

DNA(spec.)—PMM2 gene(MIM601785.0001);

entitic num.(0 1 2) = ?

DNA(specification)—

PMM2 gene(MIM601785.0006);

entitic number(0 1 2)

NPU19300

DNA(spec.)—PMM2 gene(MIM601785.0006);

entitic num.(0 1 2) = ?

DNA(specification)—**PMM2P1 gene;****sequence variation**

name of component: phosphomannomutase 2
pseudogene 1

[NPU38442](#)

DNA(spec.)—PMM2P1 gene; seq.var. = ?

DNA(specification)—**PMP2 gene;****sequence variation**

name of component: peripheral myelin protein 2

[NPU38443](#)

DNA(spec.)—PMP2 gene; seq.var. = ?

DNA(specification)—**PMP22 gene;****sequence variation**

name of component: peripheral myelin protein 22

[NPU19174](#)

DNA(spec.)—PMP22 gene; seq.var. = ?

DNA(specification)—

PMP22 gene(MIM601097.0001);

entitic number(0 1 2)

NPU19301

DNA(spec.)—PMP22 gene(MIM601097.0001);

entitic num.(0 1 2) = ?

DNA(specification)—**PMPCB gene;****sequence variation**

name of component: peptidase (mitochondrial
processing) beta

[NPU38444](#)

DNA(spec.)—PMPCB gene; seq.var. = ?

DNA(specification)—**PMS1 gene;****sequence variation**

name of component: PMS1 postmeiotic segrega-
tion increased 1 (S. cerevisiae)

[NPU19251](#)

DNA(spec.)—PMS1 gene; seq.var. = ?

DNA(specification)—**PMS2 gene;****sequence variation**

name of component: PMS2 postmeiotic segrega-
tion increased 2 (S. cerevisiae)

[NPU19252](#)

DNA(spec.)—PMS2 gene; seq.var. = ?

DNA(specification)—**PMS2L1 gene;****sequence variation**

name of component: postmeiotic segregation in-
creased 2-like 1

[NPU38445](#)

DNA(spec.)—PMS2L1 gene; seq.var. = ?

DNA(specification)—**PMS2L10 gene;****sequence variation**

name of component: postmeiotic segregation in-
creased 2-like 10

[NPU38446](#)

DNA(spec.)—PMS2L10 gene; seq.var. = ?

DNA(specification)—**PMS2L11 gene;****sequence variation**

name of component: postmeiotic segregation increased 2-like 11

[NPU38447](#)

DNA(spec.)—PMS2L11 gene; seq.var. = ?

DNA(specification)—**PMS2L12 gene;****sequence variation**

name of component: postmeiotic segregation increased 2-like 12

[NPU42249](#)

DNA(spec.)—PMS2L12 gene; seq.var. = ?

DNA(specification)—**PMS2L2 gene;****sequence variation**

name of component: postmeiotic segregation increased 2-like 2

[NPU38449](#)

DNA(spec.)—PMS2L2 gene; seq.var. = ?

DNA(specification)—**PMS2L3 gene;****sequence variation**

name of component: postmeiotic segregation increased 2-like 3

[NPU38450](#)

DNA(spec.)—PMS2L3 gene; seq.var. = ?

DNA(specification)—**PMS2L4 gene;****sequence variation**

name of component: postmeiotic segregation increased 2-like 4

[NPU38451](#)

DNA(spec.)—PMS2L4 gene; seq.var. = ?

DNA(specification)—**PMS2L5 gene;****sequence variation**

name of component: postmeiotic segregation increased 2-like 5

[NPU38452](#)

DNA(spec.)—PMS2L5 gene; seq.var. = ?

DNA(specification)—**PMS2L6 gene;****sequence variation**

name of component: postmeiotic segregation increased 2-like 6

[NPU38453](#)

DNA(spec.)—PMS2L6 gene; seq.var. = ?

DNA(specification)—**PMS2L7 gene;****sequence variation**

name of component: postmeiotic segregation increased 2-like 7

[NPU38454](#)

DNA(spec.)—PMS2L7 gene; seq.var. = ?

DNA(specification)—**PMS2L8 gene;****sequence variation**

name of component: postmeiotic segregation increased 2-like 8

[NPU38455](#)

DNA(spec.)—PMS2L8 gene; seq.var. = ?

DNA(specification)—**PMS2L9 gene;****sequence variation**

name of component: postmeiotic segregation increased 2-like 9

[NPU38456](#)

DNA(spec.)—PMS2L9 gene; seq.var. = ?

DNA(specification)—**PMS2LP1 gene;****sequence variation**

name of component: postmeiotic segregation increased 2-like pseudogene 1

[NPU38457](#)

DNA(spec.)—PMS2LP1 gene; seq.var. = ?

DNA(specification)—**PMS2LP2 gene;****sequence variation**

name of component: postmeiotic segregation increased 2-like pseudogene 2

[NPU38458](#)

DNA(spec.)—PMS2LP2 gene; seq.var. = ?

DNA(specification)—**PMSCL1 gene;****sequence variation**

name of component: polymyositis/scleroderma autoantigen 1, 75 kDa

[NPU38459](#)

DNA(spec.)—PMSCL1 gene; seq.var. = ?

DNA(specification)—**PMSCL2 gene;****sequence variation**

name of component: polymyositis/scleroderma autoantigen 2, 100 kDa

[NPU38460](#)

DNA(spec.)—PMSCL2 gene; seq.var. = ?

DNA(specification)—**PMVK gene;****sequence variation**

name of component: phosphomevalonate kinase

[NPU38461](#)

DNA(spec.)—PMVK gene; seq.var. = ?

DNA(specification)—**PMX1 gene;****sequence variation**

name of component: paired mesoderm homeo box 1

[NPU38462](#)

DNA(spec.)—PMX1 gene; seq.var. = ?

DNA(specification)—**PN11 gene;****sequence variation**

name of component: protein spot NC22 in 2-D gels 50 kDa

[NPU38464](#)

DNA(spec.)—PN11 gene; seq.var. = ?

DNA(specification)—**PN12 gene;****sequence variation**

name of component: protein spot in 2-D gels 33 kDa

[NPU38465](#)

DNA(spec.)—PN12 gene; seq.var. = ?

DNA(specification)—**PNIA1 gene;****sequence variation**

name of component: protein spot in 2-D gels 40 kDa

[NPU38466](#)

DNA(spec.)—PNIA1 gene; seq.var. = ?

DNA(specification)—**PNIA2 gene;****sequence variation**

name of component: protein spot in 2-D gels 73 kDa

[NPU38467](#)

DNA(spec.)—PNIA2 gene; seq.var. = ?

DNA(specification)—**PNIA3 gene;****sequence variation**

name of component: protein spot in 2-D gels 30 kDa

[NPU38468](#)

DNA(spec.)—PNIA3 gene; seq.var. = ?

DNA(specification)—**PNIA4 gene;****sequence variation**

name of component: protein spot in 2-D gels 70 kDa

[NPU38469](#)

DNA(spec.)—PNIA4 gene; seq.var. = ?

DNA(specification)—**PNIA5 gene;****sequence variation**

name of component: protein spot in 2-D gels 77 kDa

[NPU38470](#)

DNA(spec.)—PNIA5 gene; seq.var. = ?

DNA(specification)—**PNIA6 gene;****sequence variation**

name of component: protein spot in 2-D gels 32 kDa

[NPU38471](#)

DNA(spec.)—PNIA6 gene; seq.var. = ?

DNA(specification)—**PNKD gene;****sequence variation**

name of component: paroxysmal nonkinesigenic dyskinesia

[NPU38472](#)

DNA(spec.)—PNKD gene; seq.var. = ?

DNA(specification)—**PNKP gene;****sequence variation**

name of component: polynucleotide kinase 3'-phosphatase

[NPU38473](#)

DNA(spec.)—PNKP gene; seq.var. = ?

DNA(specification)—**PNLDC1 gene;****sequence variation**

name of component: poly(A)-specific ribonuclease (PARN)-like domain containing 1

[NPU47902](#)

DNA(spec.)—PNLDC1 gene; seq.var. = ?

DNA(specification)—**PNLIP gene;****sequence variation**

name of component: pancreatic lipase

[NPU38474](#)

DNA(spec.)—PNLIP gene; seq.var. = ?

DNA(specification)—**PNLIPRP1 gene;****sequence variation**

name of component: pancreatic lipase-related protein 1

[NPU38475](#)

DNA(spec.)—PNLIPRP1 gene; seq.var. = ?

DNA(specification)—**PNLIPRP2 gene;****sequence variation**

name of component: pancreatic lipase-related protein 2

[NPU38476](#)

DNA(spec.)—PNLIPRP2 gene; seq.var. = ?

DNA(specification)—**PNMA1 gene;****sequence variation**

name of component: paraneoplastic antigen MA1

[NPU38477](#)

DNA(spec.)—PNMA1 gene; seq.var. = ?

DNA(specification)—**PNMA2 gene;****sequence variation**

name of component: paraneoplastic antigen MA2

[NPU38478](#)

DNA(spec.)—PNMA2 gene; seq.var. = ?

DNA(specification)—**PNMA3 gene;****sequence variation**

name of component: paraneoplastic antigen MA3

[NPU46648](#)

DNA(spec.)—PNMA3 gene; seq.var. = ?

DNA(specification)—**PNMA5 gene;****sequence variation**

name of component: paraneoplastic antigen like 5

[NPU46649](#)

DNA(spec.)—PNMA5 gene; seq.var. = ?

DNA(specification)—**PNMT gene;****sequence variation**

name of component: phenylethanolamine N-methyltransferase

[NPU38479](#)

DNA(spec.)—PNMT gene; seq.var. = ?

DNA(specification)—**PNMTP1 gene;****sequence variation**

name of component: phenylethanolamine N-methyltransferase pseudogene 1

[NPU38480](#)

DNA(spec.)—PNMTP1 gene; seq.var. = ?

DNA(specification)—**PNN gene;****sequence variation**

name of component: pinin, desmosome associated protein

[NPU38481](#)

DNA(spec.)—PNN gene; seq.var. = ?

DNA(specification)—**PNOC gene;****sequence variation**

name of component: prepronociceptin

[NPU38482](#)

DNA(spec.)—PNOC gene; seq.var. = ?

DNA(specification)—**PNUTL1 gene;****sequence variation**

name of component: peanut-like 1 (Drosophila)

[NPU38483](#)

DNA(spec.)—PNUTL1 gene; seq.var. = ?

DNA(specification)—**PNUTL2 gene;****sequence variation**

name of component: peanut-like 2 (Drosophila)

[NPU38484](#)

DNA(spec.)—PNUTL2 gene; seq.var. = ?

DNA(specification)—**PNY1 gene;****sequence variation**

name of component: protein spot in 2-D gels 82 kDa

[NPU38485](#)

DNA(spec.)—PNY1 gene; seq.var. = ?

DNA(specification)—**PNY2 gene;****sequence variation**

name of component: protein spot in 2-D gels 65 kDa

[NPU38486](#)

DNA(spec.)—PNY2 gene; seq.var. = ?

DNA(specification)—**PNY3 gene;****sequence variation**

name of component: protein spot in 2-D gels 33 kDa

[NPU38487](#)

DNA(spec.)—PNY3 gene; seq.var. = ?

DNA(specification)—**PNY4 gene;****sequence variation**

name of component: protein spot in 2-D gels 72 kDa

[NPU38488](#)

DNA(spec.)—PNY4 gene; seq.var. = ?

DNA(specification)—**PNY5 gene;****sequence variation**

name of component: protein spot in 2-D gels 40 kDa

[NPU38489](#)

DNA(spec.)—PNY5 gene; seq.var. = ?

DNA(specification)—**PODXL gene;****sequence variation**

name of component: podocalyxin-like

[NPU38490](#)

DNA(spec.)—PODXL gene; seq.var. = ?

DNA(specification)—**POF1 gene;****sequence variation**

name of component: premature ovarian failure 1

[NPU38491](#)

DNA(spec.)—POF1 gene; seq.var. = ?

DNA(specification)—**POFUT1 gene;****sequence variation**

name of component: protein O-fucosyltransferase 1

[NPU43225](#)

DNA(spec.)—POFUT1 gene; seq.var. = ?

DNA(specification)—**POGK gene;****sequence variation**

name of component: pogo transposable element with KRAB domain

[NPU46669](#)

DNA(spec.)—POGK gene; seq.var. = ?

DNA(specification)—**POGZ gene;****sequence variation**

name of component: pogo transposable element with ZNF domain

[NPU46670](#)

DNA(spec.)—POGZ gene; seq.var. = ?

DNA(specification)—**POLA gene;****sequence variation**

name of component: polymerase (DNA directed), alpha

[NPU38492](#)

DNA(spec.)—POLA gene; seq.var. = ?

DNA(specification)—**POLB gene;****sequence variation**

name of component: polymerase (DNA directed), beta

[NPU38493](#)

DNA(spec.)—POLB gene; seq.var. = ?

DNA(specification)—**POLD1 gene;****sequence variation**

name of component: polymerase (DNA directed), delta 1, catalytic subunit 125 kDa

[NPU38494](#)

DNA(spec.)—POLD1 gene; seq.var. = ?

DNA(specification)—**POLD2 gene;****sequence variation**

name of component: polymerase (DNA directed), delta 2, regulatory subunit 50 kDa

[NPU38495](#)

DNA(spec.)—POLD2 gene; seq.var. = ?

DNA(specification)—**POLD4 gene;****sequence variation**

name of component: polymerase (DNA-directed), delta 4

[NPU42514](#)

DNA(spec.)—POLD4 gene; seq.var. = ?

DNA(specification)—**POLE gene;****sequence variation**

name of component: polymerase (DNA directed), epsilon

[NPU38496](#)

DNA(spec.)—POLE gene; seq.var. = ?

DNA(specification)—**POLE2 gene;****sequence variation**

name of component: polymerase (DNA directed), epsilon 2 (p59 subunit)

[NPU38497](#)

DNA(spec.)—POLE2 gene; seq.var. = ?

DNA(specification)—**POLE3 gene;****sequence variation**

name of component: polymerase (DNA directed), epsilon 3 (p17 subunit)

[NPU42187](#)

DNA(spec.)—POLE3 gene; seq.var. = ?

DNA(specification)—**POLE4 gene;****sequence variation**

name of component: polymerase (DNA-directed),
epsilon 4 (p12 subunit)

[NPU46658](#)

DNA(spec.)—POLE4 gene; seq.var. = ?

DNA(specification)—**POLG gene;****sequence variation**

name of component: polymerase (DNA directed),
gamma

[NPU38498](#)

DNA(spec.)—POLG gene; seq.var. = ?

DNA(specification)—**POLG2 gene;****sequence variation**

name of component: polymerase (DNA directed),
gamma 2, accessory subunit

[NPU38499](#)

DNA(spec.)—POLG2 gene; seq.var. = ?

DNA(specification)—**POLH gene;****sequence variation**

name of component: polymerase (DNA directed),
eta

[NPU38500](#)

DNA(spec.)—POLH gene; seq.var. = ?

DNA(specification)—**POLI gene;****sequence variation**

name of component: polymerase (DNA directed)
iota

[NPU38501](#)

DNA(spec.)—POLI gene; seq.var. = ?

DNA(specification)—**POLK gene;****sequence variation**

name of component: polymerase (DNA directed)
kappa

[NPU38502](#)

DNA(spec.)—POLK gene; seq.var. = ?

DNA(specification)—**POLL gene;****sequence variation**

name of component: polymerase (DNA directed),
lambda

[NPU38503](#)

DNA(spec.)—POLL gene; seq.var. = ?

DNA(specification)—**POLM gene;****sequence variation**

name of component: polymerase (DNA directed),
mu

[NPU38504](#)

DNA(spec.)—POLM gene; seq.var. = ?

DNA(specification)—**POLQ gene;****sequence variation**

name of component: polymerase (DNA directed),
theta

[NPU38505](#)

DNA(spec.)—POLQ gene; seq.var. = ?

DNA(specification)—**POLR1A gene;****sequence variation**

name of component: polymerase (RNA) I polypep-
tide A, 194 kDa

[NPU44937](#)

DNA(spec.)—POLR1A gene; seq.var. = ?

DNA(specification)—**POLR1B gene;****sequence variation**

name of component: polymerase (RNA) I polypep-
tide B, 128 kDa

[NPU47626](#)

DNA(spec.)—POLR1B gene; seq.var. = ?

DNA(specification)—**POLR1C gene;****sequence variation**

name of component: polymerase (RNA) I polypep-
tide C, 30 kDa

[NPU47479](#)

DNA(spec.)—POLR1C gene; seq.var. = ?

DNA(specification)—**POLR1D gene;****sequence variation**

name of component: polymerase (RNA) I polypep-
tide D, 16 kDa

[NPU47613](#)

DNA(spec.)—POLR1D gene; seq.var. = ?

DNA(specification)—**POLR2A gene;****sequence variation**

name of component: polymerase (RNA) II (DNA
directed) polypeptide A, 220 kDa

[NPU38506](#)

DNA(spec.)—POLR2A gene; seq.var. = ?

DNA(specification)—**POLR2B gene;****sequence variation**

name of component: polymerase (RNA) II (DNA directed) polypeptide B, 140 kDa

[NPU38507](#)

DNA(spec.)—POLR2B gene; seq.var. = ?

DNA(specification)—**POLR2C gene;****sequence variation**

name of component: polymerase (RNA) II (DNA directed) polypeptide C, 33 kDa

[NPU38508](#)

DNA(spec.)—POLR2C gene; seq.var. = ?

DNA(specification)—**POLR2CP gene;****sequence variation**

name of component: polymerase (RNA) II (DNA directed) polypeptide C, pseudogene

[NPU38509](#)

DNA(spec.)—POLR2CP gene; seq.var. = ?

DNA(specification)—**POLR2D gene;****sequence variation**

name of component: polymerase (RNA) II (DNA directed) polypeptide D

[NPU38510](#)

DNA(spec.)—POLR2D gene; seq.var. = ?

DNA(specification)—**POLR2E gene;****sequence variation**

name of component: polymerase (RNA) II (DNA directed) polypeptide E, 25 kDa

[NPU38511](#)

DNA(spec.)—POLR2E gene; seq.var. = ?

DNA(specification)—**POLR2F gene;****sequence variation**

name of component: polymerase (RNA) II (DNA directed) polypeptide F

[NPU38512](#)

DNA(spec.)—POLR2F gene; seq.var. = ?

DNA(specification)—**POLR2G gene;****sequence variation**

name of component: polymerase (RNA) II (DNA directed) polypeptide G

[NPU38513](#)

DNA(spec.)—POLR2G gene; seq.var. = ?

DNA(specification)—**POLR2H gene;****sequence variation**

name of component: polymerase (RNA) II (DNA directed) polypeptide H

[NPU38514](#)

DNA(spec.)—POLR2H gene; seq.var. = ?

DNA(specification)—**POLR2I gene;****sequence variation**

name of component: polymerase (RNA) II (DNA directed) polypeptide I, 14.5 kDa

[NPU38515](#)

DNA(spec.)—POLR2I gene; seq.var. = ?

DNA(specification)—**POLR2J gene;****sequence variation**

name of component: polymerase (RNA) II (DNA directed) polypeptide J, 13.3 kDa

[NPU38516](#)

DNA(spec.)—POLR2J gene; seq.var. = ?

DNA(specification)—**POLR2K gene;****sequence variation**

name of component: polymerase (RNA) II (DNA directed) polypeptide K, 7.0 kDa

[NPU38517](#)

DNA(spec.)—POLR2K gene; seq.var. = ?

DNA(specification)—**POLR2L gene;****sequence variation**

name of component: polymerase (RNA) II (DNA directed) polypeptide L, 7.6 kDa

[NPU38518](#)

DNA(spec.)—POLR2L gene; seq.var. = ?

DNA(specification)—**POLR3D gene;****sequence variation**

name of component: polymerase (RNA) III (DNA directed) polypeptide D, 44 kDa

[NPU30876](#)

DNA(spec.)—POLR3D gene; seq.var. = ?

DNA(specification)—**POLR3F gene;****sequence variation**

name of component: polymerase (RNA) III (DNA directed) polypeptide F, 39 kDa

[NPU43880](#)

DNA(spec.)—POLR3F gene; seq.var. = ?

DNA(specification)—**POLR3K gene;****sequence variation**

name of component: polymerase (RNA) III (DNA directed) polypeptide K, 12.3 kDa

[NPU42521](#)

DNA(spec.)—POLR3K gene; seq.var. = ?

DNA(specification)—**POLRMT gene;****sequence variation**

name of component: polymerase (RNA) mitochondrial (DNA directed)

[NPU38519](#)

DNA(spec.)—POLRMT gene; seq.var. = ?

DNA(specification)—**POLS gene;****sequence variation**

name of component: polymerase (DNA directed) sigma

[NPU44647](#)

DNA(spec.)—POLS gene; seq.var. = ?

DNA(specification)—**POM121 gene;****sequence variation**

name of component: POM121 membrane glycoprotein (rat)

[NPU47159](#)

DNA(spec.)—POM121 gene; seq.var. = ?

DNA(specification)—**POM121L1 gene;****sequence variation**

name of component: POM121 membrane glycoprotein-like 1 (rat)

[NPU44438](#)

DNA(spec.)—POM121L1 gene; seq.var. = ?

DNA(specification)—**POM121L2 gene;****sequence variation**

name of component: POM121 membrane glycoprotein-like 2 (rat)

[NPU42425](#)

DNA(spec.)—POM121L2 gene; seq.var. = ?

DNA(specification)—**POM121L3 gene;****sequence variation**

name of component: POM121 membrane glycoprotein-like 3 (rat)

[NPU44439](#)

DNA(spec.)—POM121L3 gene; seq.var. = ?

DNA(specification)—**POM121L4P gene;****sequence variation**

name of component: POM121 membrane glycoprotein-like 4 pseudogene (rat)

[NPU46974](#)

DNA(spec.)—POM121L4P gene; seq.var. = ?

DNA(specification)—**POMC gene;****sequence variation**

name of component: proopiomelanocortin (adrenocorticotropin/ beta-lipotropin/ alpha-melanocyte stimulating hormone/ beta-melanocyte stimulating hormone/ beta-endorphin)

[NPU38520](#)

DNA(spec.)—POMC gene; seq.var. = ?

DNA(specification)—**POMT1 gene;****sequence variation**

name of component: protein-O-mannosyltransferase 1

[NPU38521](#)

DNA(spec.)—POMT1 gene; seq.var. = ?

DNA(specification)—**POMT2 gene;****sequence variation**

name of component: protein-O-mannosyltransferase 2

[NPU47176](#)

DNA(spec.)—POMT2 gene; seq.var. = ?

DNA(specification)—**POMZP3 gene;****sequence variation**

name of component: POM (POM121 homolog, rat) and ZP3 fusion

[NPU38522](#)

DNA(spec.)—POMZP3 gene; seq.var. = ?

DNA(specification)—**PON1 gene;****sequence variation**

name of component: paraoxonase 1

[NPU38523](#)

DNA(spec.)—PON1 gene; seq.var. = ?

DNA(specification)—**PON2 gene;****sequence variation**

name of component: paraoxonase 2

[NPU38524](#)

DNA(spec.)—PON2 gene; seq.var. = ?

DNA(specification)—**PON3 gene;****sequence variation**

name of component: paraoxonase 3

[NPU38525](#)

DNA(spec.)—PON3 gene; seq.var. = ?

DNA(specification)—**POPDC2 gene;****sequence variation**

name of component: popeye domain containing 2

[NPU46067](#)

DNA(spec.)—POPDC2 gene; seq.var. = ?

DNA(specification)—**POPDC3 gene;****sequence variation**

name of component: popeye domain containing 3

[NPU46068](#)

DNA(spec.)—POPDC3 gene; seq.var. = ?

DNA(specification)—**POR gene;****sequence variation**

name of component: P450 (cytochrome) oxidoreductase

[NPU38527](#)

DNA(spec.)—POR gene; seq.var. = ?

DNA(specification)—**PORC gene;****sequence variation**

name of component: porphyria, acute; Chester type

[NPU38528](#)

DNA(spec.)—PORC gene; seq.var. = ?

DNA(specification)—**POU1F1 gene;****sequence variation**

name of component: POU domain, class 1, transcription factor 1 (Pit1, growth hormone factor 1)

[NPU38529](#)

DNA(spec.)—POU1F1 gene; seq.var. = ?

DNA(specification)—**POU2AF1 gene;****sequence variation**

name of component: POU domain, class 2, associating factor 1

[NPU38530](#)

DNA(spec.)—POU2AF1 gene; seq.var. = ?

DNA(specification)—**POU2F1 gene;****sequence variation**

name of component: POU domain, class 2, transcription factor 1

[NPU38531](#)

DNA(spec.)—POU2F1 gene; seq.var. = ?

DNA(specification)—**POU2F2 gene;****sequence variation**

name of component: POU domain, class 2, transcription factor 2

[NPU38532](#)

DNA(spec.)—POU2F2 gene; seq.var. = ?

DNA(specification)—**POU2F3 gene;****sequence variation**

name of component: POU domain, class 2, transcription factor 3

[NPU47284](#)

DNA(spec.)—POU2F3 gene; seq.var. = ?

DNA(specification)—**POU3F1 gene;****sequence variation**

name of component: POU domain, class 3, transcription factor 1

[NPU38533](#)

DNA(spec.)—POU3F1 gene; seq.var. = ?

DNA(specification)—**POU3F2 gene;****sequence variation**

name of component: POU domain, class 3, transcription factor 2

[NPU38534](#)

DNA(spec.)—POU3F2 gene; seq.var. = ?

DNA(specification)—**POU3F3 gene;****sequence variation**

name of component: POU domain, class 3, transcription factor 3

[NPU38535](#)

DNA(spec.)—POU3F3 gene; seq.var. = ?

DNA(specification)—**POU3F4 gene;****sequence variation**

name of component: POU domain, class 3, transcription factor 4

[NPU38536](#)

DNA(spec.)—POU3F4 gene; seq.var. = ?

DNA(specification)—**POU4F1 gene;****sequence variation**

name of component: POU domain, class 4, transcription factor 1

[NPU38537](#)

DNA(spec.)—POU4F1 gene; seq.var. = ?

DNA(specification)—**POU4F2 gene;****sequence variation**

name of component: POU domain, class 4, transcription factor 2

[NPU38538](#)

DNA(spec.)—POU4F2 gene; seq.var. = ?

DNA(specification)—**POU4F3 gene;****sequence variation**

name of component: POU domain, class 4, transcription factor 3

[NPU38539](#)

DNA(spec.)—POU4F3 gene; seq.var. = ?

DNA(specification)—**POU5F1 gene;****sequence variation**

name of component: POU domain, class 5, transcription factor 1

[NPU38540](#)

DNA(spec.)—POU5F1 gene; seq.var. = ?

DNA(specification)—**POU5F1L gene;****sequence variation**

name of component: POU domain, class 5, transcription factor 1-like

[NPU38541](#)

DNA(spec.)—POU5F1L gene; seq.var. = ?

DNA(specification)—**POU5F1P1 gene;****sequence variation**

name of component: POU domain, class 5, transcription factor 1 pseudogene 1

[NPU38542](#)

DNA(spec.)—POU5F1P1 gene; seq.var. = ?

DNA(specification)—**POU6F1 gene;****sequence variation**

name of component: POU domain, class 6, transcription factor 1

[NPU38543](#)

DNA(spec.)—POU6F1 gene; seq.var. = ?

DNA(specification)—**POV1 gene;****sequence variation**

name of component: prostate cancer overexpressed gene 1

[NPU38544](#)

DNA(spec.)—POV1 gene; seq.var. = ?

DNA(specification)—**PP gene;****sequence variation**

name of component: pyrophosphatase (inorganic)

[NPU38545](#)

DNA(spec.)—PP gene; seq.var. = ?

DNA(specification)—**PPAN gene;****sequence variation**

name of component: peter pan homolog (Drosophila)

[NPU38546](#)

DNA(spec.)—PPAN gene; seq.var. = ?

DNA(specification)—**PPAP2A gene;****sequence variation**

name of component: phosphatidic acid phosphatase type 2A

[NPU38547](#)

DNA(spec.)—PPAP2A gene; seq.var. = ?

DNA(specification)—**PPAP2B gene;****sequence variation**

name of component: phosphatidic acid phosphatase type 2B

[NPU38548](#)

DNA(spec.)—PPAP2B gene; seq.var. = ?

DNA(specification)—**PPAP2C gene;****sequence variation**

name of component: phosphatidic acid phosphatase type 2C

[NPU38549](#)

DNA(spec.)—PPAP2C gene; seq.var. = ?

DNA(specification)—**PPARA gene;****sequence variation**

name of component: peroxisome proliferative activated receptor, alpha

[NPU38550](#)

DNA(spec.)—PPARA gene; seq.var. = ?

DNA(specification)—**PPARAL gene;****sequence variation**

name of component: peroxisome proliferative activated receptor, alpha-like

[NPU38551](#)

DNA(spec.)—PPARAL gene; seq.var. = ?

DNA(specification)—**PPARBP gene;****sequence variation**

name of component: PPAR binding protein

[NPU38552](#)

DNA(spec.)—PPARBP gene; seq.var. = ?

DNA(specification)—**PPARD gene;****sequence variation**

name of component: peroxisome proliferative activated receptor, delta

[NPU38553](#)

DNA(spec.)—PPARD gene; seq.var. = ?

DNA(specification)—**PPARG gene;****sequence variation**

name of component: peroxisome proliferative activated receptor, gamma

[NPU38554](#)

DNA(spec.)—PPARG gene; seq.var. = ?

DNA(specification)—**PPARGC1 gene;****sequence variation**

name of component: peroxisome proliferative activated receptor, gamma, coactivator 1

[NPU38555](#)

DNA(spec.)—PPARGC1 gene; seq.var. = ?

DNA(specification)—**PPAT gene;****sequence variation**

name of component: phosphoribosyl pyrophosphate amidotransferase

[NPU38556](#)

DNA(spec.)—PPAT gene; seq.var. = ?

DNA(specification)—**PPATP1 gene;****sequence variation**

name of component: phosphoribosyl pyrophosphate amidotransferase pseudogene 1

[NPU38557](#)

DNA(spec.)—PPATP1 gene; seq.var. = ?

DNA(specification)—**PPBP gene;****sequence variation**

name of component: pro-platelet basic protein (chemokine (C-X-C motif) ligand 7)

[NPU38558](#)

DNA(spec.)—PPBP gene; seq.var. = ?

DNA(specification)—**PPBPL1 gene;****sequence variation**

name of component: pro-platelet basic protein-like 1 (includes platelet basic protein, beta-

thromboglobulin, connective tissue-activating peptide III, neutrophil-activating peptide-2-like 1)

[NPU38559](#)

DNA(spec.)—PPBPL1 gene; seq.var. = ?

DNA(specification)—**PPCD gene;****sequence variation**

name of component: Posterior polymorphous corneal dystrophy

[NPU42762](#)

DNA(spec.)—PPCD gene; seq.var. = ?

DNA(specification)—**PPEF1 gene;****sequence variation**

name of component: protein phosphatase, EF hand calcium-binding domain 1

[NPU38560](#)

DNA(spec.)—PPEF1 gene; seq.var. = ?

DNA(specification)—**PPEF2 gene;****sequence variation**

name of component: protein phosphatase, EF hand calcium-binding domain 2

[NPU38561](#)

DNA(spec.)—PPEF2 gene; seq.var. = ?

DNA(specification)—**PPFIA1 gene;****sequence variation**

name of component: protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 1

[NPU38562](#)

DNA(spec.)—PPFIA1 gene; seq.var. = ?

DNA(specification)—**PPFIA2 gene;****sequence variation**

name of component: protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 2

[NPU38563](#)

DNA(spec.)—PPFIA2 gene; seq.var. = ?

DNA(specification)—**PPFIA3 gene;****sequence variation**

name of component: protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 3

[NPU38564](#)

DNA(spec.)—PPFIA3 gene; seq.var. = ?

DNA(specification)—**PPFIA4 gene;****sequence variation**

name of component: protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 4

[NPU38565](#)

DNA(spec.)—PPFIA4 gene; seq.var. = ?

DNA(specification)—**PPFIBP1 gene;****sequence variation**

name of component: PTPRF interacting protein, binding protein 1 (liprin beta 1)

[NPU38566](#)

DNA(spec.)—PPFIBP1 gene; seq.var. = ?

DNA(specification)—**PPFIBP2 gene;****sequence variation**

name of component: PTPRF interacting protein, binding protein 2 (liprin beta 2)

[NPU38567](#)

DNA(spec.)—PPFIBP2 gene; seq.var. = ?

DNA(specification)—**PPGB gene;****sequence variation**

name of component: protective protein for beta-galactosidase (galactosialidosis)

[NPU38568](#)

DNA(spec.)—PPGB gene; seq.var. = ?

DNA(specification)—**PPH1 gene;****sequence variation**

name of component: primary pulmonary hypertension 1

[NPU38569](#)

DNA(spec.)—PPH1 gene; seq.var. = ?

DNA(specification)—**PPH2 gene;****sequence variation**

name of component: primary pulmonary hypertension 2

[NPU43858](#)

DNA(spec.)—PPH2 gene; seq.var. = ?

DNA(specification)—**PPHLN1 gene;****sequence variation**

name of component: periphrin 1

[NPU46997](#)

DNA(spec.)—PPHLN1 gene; seq.var. = ?

DNA(specification)—**PPIA gene;****sequence variation**

name of component: peptidylprolyl isomerase A (cyclophilin A)

[NPU38570](#)

DNA(spec.)—PPIA gene; seq.var. = ?

DNA(specification)—**PPIAL gene;****sequence variation**

name of component: peptidylprolyl isomerase A (cyclophilin A)-like

[NPU44286](#)

DNA(spec.)—PPIAL gene; seq.var. = ?

DNA(specification)—**PPIAL2 gene;****sequence variation**

name of component: peptidylprolyl isomerase A (cyclophilin A)-like 2

[NPU44569](#)

DNA(spec.)—PPIAL2 gene; seq.var. = ?

DNA(specification)—**PPIAP gene;****sequence variation**

name of component: peptidylprolyl isomerase A (cyclophilin A), pseudogene

[NPU38571](#)

DNA(spec.)—PPIAP gene; seq.var. = ?

DNA(specification)—**PPIAP2 gene;****sequence variation**

name of component: peptidylprolyl isomerase A (cyclophilin A) pseudogene 2

[NPU44523](#)

DNA(spec.)—PPIAP2 gene; seq.var. = ?

DNA(specification)—**PPIAP3 gene;****sequence variation**

name of component: peptidylprolyl isomerase A (cyclophilin A) pseudogene 3

[NPU44526](#)

DNA(spec.)—PPIAP3 gene; seq.var. = ?

DNA(specification)—**PPIAP4 gene;****sequence variation**

name of component: peptidylprolyl isomerase A (cyclophilin A) pseudogene 4

[NPU47326](#)

DNA(spec.)—PPIAP4 gene; seq.var. = ?

DNA(specification)—**PPIAP5 gene;****sequence variation**

name of component: peptidylprolyl isomerase A (cyclophilin A) pseudogene 5

[NPU47371](#)

DNA(spec.)—PPIAP5 gene; seq.var. = ?

DNA(specification)—**PPIAP6 gene;****sequence variation**

name of component: peptidylprolyl isomerase A (cyclophilin A) pseudogene 6

[NPU47372](#)

DNA(spec.)—PPIAP6 gene; seq.var. = ?

DNA(specification)—**PPIB gene;****sequence variation**

name of component: peptidylprolyl isomerase B (cyclophilin B)

[NPU38572](#)

DNA(spec.)—PPIB gene; seq.var. = ?

DNA(specification)—**PPIC gene;****sequence variation**

name of component: peptidylprolyl isomerase C (cyclophilin C)

[NPU38573](#)

DNA(spec.)—PPIC gene; seq.var. = ?

DNA(specification)—**PPID gene;****sequence variation**

name of component: peptidylprolyl isomerase D (cyclophilin D)

[NPU38574](#)

DNA(spec.)—PPID gene; seq.var. = ?

DNA(specification)—**PPIE gene;****sequence variation**

name of component: peptidylprolyl isomerase E (cyclophilin E)

[NPU38575](#)

DNA(spec.)—PPIE gene; seq.var. = ?

DNA(specification)—**PPIF gene;****sequence variation**

name of component: peptidylprolyl isomerase F (cyclophilin F)

[NPU38576](#)

DNA(spec.)—PPIF gene; seq.var. = ?

DNA(specification)—**PPIG gene;****sequence variation**

name of component: peptidyl-prolyl isomerase G (cyclophilin G)

[NPU42920](#)

DNA(spec.)—PPIG gene; seq.var. = ?

DNA(specification)—**PPIH gene;****sequence variation**

name of component: peptidyl prolyl isomerase H (cyclophilin H)

[NPU42921](#)

DNA(spec.)—PPIH gene; seq.var. = ?

DNA(specification)—**PPIL1 gene;****sequence variation**

name of component: peptidylprolyl isomerase (cyclophilin)-like 1

[NPU38577](#)

DNA(spec.)—PPIL1 gene; seq.var. = ?

DNA(specification)—**PPIL1P1 gene;****sequence variation**

name of component: peptidylprolyl isomerase (cyclophilin)-like 1 pseudogene 1

[NPU47782](#)

DNA(spec.)—PPIL1P1 gene; seq.var. = ?

DNA(specification)—**PPIL2 gene;****sequence variation**

name of component: peptidylprolyl isomerase (cyclophilin)-like 2

[NPU38578](#)

DNA(spec.)—PPIL2 gene; seq.var. = ?

DNA(specification)—**PPIL3 gene;****sequence variation**

name of component: peptidylprolyl isomerase (cyclophilin)-like 3

[NPU38579](#)

DNA(spec.)—PPIL3 gene; seq.var. = ?

DNA(specification)—**PPIL4 gene;****sequence variation**

name of component: peptidylprolyl isomerase (cyclophilin)-like 4

[NPU43836](#)

DNA(spec.)—PPIL4 gene; seq.var. = ?

DNA(specification)—**PPIL5 gene;****sequence variation**

name of component: peptidylprolyl isomerase (cyclophilin) like 5

[NPU47175](#)

DNA(spec.)—PPIL5 gene; seq.var. = ?

DNA(specification)—**PPIP1 gene;****sequence variation**

name of component: peptidylprolyl isomerase (cyclophilin) pseudogene 1

[NPU38580](#)

DNA(spec.)—PPIP1 gene; seq.var. = ?

DNA(specification)—**PPIP10 gene;****sequence variation**

name of component: peptidylprolyl isomerase (cyclophilin) pseudogene 10

[NPU38581](#)

DNA(spec.)—PPIP10 gene; seq.var. = ?

DNA(specification)—**PPIP11 gene;****sequence variation**

name of component: peptidylprolyl isomerase (cyclophilin) pseudogene 11

[NPU44356](#)

DNA(spec.)—PPIP11 gene; seq.var. = ?

DNA(specification)—**PPIP2 gene;****sequence variation**

name of component: peptidylprolyl isomerase (cyclophilin) pseudogene 2

[NPU38582](#)

DNA(spec.)—PPIP2 gene; seq.var. = ?

DNA(specification)—**PPIP3 gene;****sequence variation**

name of component: peptidylprolyl isomerase (cyclophilin) pseudogene 3

[NPU38583](#)

DNA(spec.)—PPIP3 gene; seq.var. = ?

DNA(specification)—**PPIP4 gene;****sequence variation**

name of component: peptidylprolyl isomerase (cyclophilin) pseudogene 4

[NPU38584](#)

DNA(spec.)—PPIP4 gene; seq.var. = ?

DNA(specification)—**PPIP5 gene;****sequence variation**

name of component: peptidylprolyl isomerase (cyclophilin) pseudogene 5

[NPU38585](#)

DNA(spec.)—PPIP5 gene; seq.var. = ?

DNA(specification)—**PPIP6 gene;****sequence variation**

name of component: peptidylprolyl isomerase (cyclophilin) pseudogene 6

[NPU38586](#)

DNA(spec.)—PPIP6 gene; seq.var. = ?

DNA(specification)—**PPIP7 gene;****sequence variation**

name of component: peptidylprolyl isomerase (cyclophilin) pseudogene 7

[NPU38587](#)

DNA(spec.)—PPIP7 gene; seq.var. = ?

DNA(specification)—**PPIP8 gene;****sequence variation**

name of component: peptidylprolyl isomerase (cyclophilin) pseudogene 8

[NPU38588](#)

DNA(spec.)—PPIP8 gene; seq.var. = ?

DNA(specification)—**PPIP9 gene;****sequence variation**

name of component: peptidylprolyl isomerase (cyclophilin) pseudogene 9

[NPU38589](#)

DNA(spec.)—PPIP9 gene; seq.var. = ?

DNA(specification)—**PPL gene;****sequence variation**

name of component: periplakin

[NPU38590](#)

DNA(spec.)—PPL gene; seq.var. = ?

DNA(specification)—**PPM1A gene;****sequence variation**

name of component: protein phosphatase 1A (formerly 2C), magnesium-dependent, alpha isoform

[NPU38591](#)

DNA(spec.)—PPM1A gene; seq.var. = ?

DNA(specification)—**PPM1B gene;****sequence variation**

name of component: protein phosphatase 1B (formerly 2C), magnesium-dependent, beta isoform

[NPU38592](#)

DNA(spec.)—PPM1B gene; seq.var. = ?

DNA(specification)—**PPM1D gene;****sequence variation**

name of component: protein phosphatase 1D magnesium-dependent, delta isoform

[NPU38593](#)

DNA(spec.)—PPM1D gene; seq.var. = ?

DNA(specification)—**PPM1E gene;****sequence variation**

name of component: protein phosphatase 1E (PP2C domain containing)

[NPU46970](#)

DNA(spec.)—PPM1E gene; seq.var. = ?

DNA(specification)—**PPM1F gene;****sequence variation**

name of component: protein phosphatase 1F (PP2C domain containing)

[NPU47009](#)

DNA(spec.)—PPM1F gene; seq.var. = ?

DNA(specification)—**PPM1G gene;****sequence variation**

name of component: protein phosphatase 1G (formerly 2C), magnesium-dependent, gamma isoform

[NPU38594](#)

DNA(spec.)—PPM1G gene; seq.var. = ?

DNA(specification)—**PPM2C gene;****sequence variation**

name of component: protein phosphatase 2C, magnesium-dependent, catalytic subunit

[NPU38595](#)

DNA(spec.)—PPM2C gene; seq.var. = ?

DNA(specification)—**PPOX gene;****sequence variation**

name of component: protoporphyrinogen oxidase

[NPU38596](#)

DNA(spec.)—PPOX gene; seq.var. = ?

DNA(specification)—**PPP1CA gene;****sequence variation**

name of component: protein phosphatase 1, catalytic subunit, alpha isoform

[NPU38597](#)

DNA(spec.)—PPP1CA gene; seq.var. = ?

DNA(specification)—**PPP1CB gene;****sequence variation**

name of component: protein phosphatase 1, catalytic subunit, beta isoform

[NPU38598](#)

DNA(spec.)—PPP1CB gene; seq.var. = ?

DNA(specification)—**PPP1CC gene;****sequence variation**

name of component: protein phosphatase 1, catalytic subunit, gamma isoform

[NPU38599](#)

DNA(spec.)—PPP1CC gene; seq.var. = ?

DNA(specification)—**PPP1R10 gene;****sequence variation**

name of component: protein phosphatase 1, regulatory subunit 10

[NPU38600](#)

DNA(spec.)—PPP1R10 gene; seq.var. = ?

DNA(specification)—**PPP1R10P gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 10 pseudogene

[NPU44348](#)

DNA(spec.)—PPP1R10P gene; seq.var. = ?

DNA(specification)—**PPP1R11 gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 11

[NPU38601](#)

DNA(spec.)—PPP1R11 gene; seq.var. = ?

DNA(specification)—**PPP1R11P1 gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 11 pseudogene 1

[NPU44349](#)

DNA(spec.)—PPP1R11P1 gene; seq.var. = ?

DNA(specification)—**PPP1R11P2 gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 11 pseudogene 2

[NPU44350](#)

DNA(spec.)—PPP1R11P2 gene; seq.var. = ?

DNA(specification)—**PPP1R12A gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 12A

[NPU37221](#)

DNA(spec.)—PPP1R12A gene; seq.var. = ?

DNA(specification)—**PPP1R12B gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 12B

[NPU37222](#)

DNA(spec.)—PPP1R12B gene; seq.var. = ?

DNA(specification)—**PPP1R12BP gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 12B Y-linked pseudogene

[NPU46503](#)

DNA(spec.)—PPP1R12BP gene; seq.var. = ?

DNA(specification)—**PPP1R12C gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 12C

[NPU43191](#)

DNA(spec.)—PPP1R12C gene; seq.var. = ?

DNA(specification)—**PPP1R12CP gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 12C pseudogene

[NPU44414](#)

DNA(spec.)—PPP1R12CP gene; seq.var. = ?

DNA(specification)—**PPP1R13AP gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 13A pseudogene

[NPU44351](#)

DNA(spec.)—PPP1R13AP gene; seq.var. = ?

DNA(specification)—**PPP1R13B gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 13B

[NPU43193](#)

DNA(spec.)—PPP1R13B gene; seq.var. = ?

DNA(specification)—**PPP1R14A gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 14A

[NPU43128](#)

DNA(spec.)—PPP1R14A gene; seq.var. = ?

DNA(specification)—**PPP1R14B gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 14B

[NPU38394](#)

DNA(spec.)—PPP1R14B gene; seq.var. = ?

DNA(specification)—**PPP1R14BP1 gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 14B pseudogene 1

[NPU38395](#)

DNA(spec.)—PPP1R14BP1 gene; seq.var. = ?

DNA(specification)—**PPP1R14BP2 gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 14B pseudogene 2

[NPU44352](#)

DNA(spec.)—PPP1R14BP2 gene; seq.var. = ?

DNA(specification)—**PPP1R14BP3 gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 14B pseudogene 3

[NPU44353](#)

DNA(spec.)—PPP1R14BP3 gene; seq.var. = ?

DNA(specification)—**PPP1R14BP4 gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 14B pseudogene 4

[NPU44354](#)

DNA(spec.)—PPP1R14BP4 gene; seq.var. = ?

DNA(specification)—**PPP1R14BP5 gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 14B pseudogene 5

[NPU44355](#)

DNA(spec.)—PPP1R14BP5 gene; seq.var. = ?

DNA(specification)—**PPP1R14C gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 14C

[NPU43195](#)

DNA(spec.)—PPP1R14C gene; seq.var. = ?

DNA(specification)—**PPP1R14D gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 14D

[NPU43196](#)

DNA(spec.)—PPP1R14D gene; seq.var. = ?

DNA(specification)—**PPP1R15A gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 15A

[NPU42704](#)

DNA(spec.)—PPP1R15A gene; seq.var. = ?

DNA(specification)—**PPP1R15B gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 15B

[NPU43194](#)

DNA(spec.)—PPP1R15B gene; seq.var. = ?

DNA(specification)—**PPP1R16A gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 16A

[NPU43185](#)

DNA(spec.)—PPP1R16A gene; seq.var. = ?

DNA(specification)—**PPP1R16B gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 16B

[NPU43941](#)

DNA(spec.)—PPP1R16B gene; seq.var. = ?

DNA(specification)—**PPP1R1A gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 1A

[NPU38602](#)

DNA(spec.)—PPP1R1A gene; seq.var. = ?

DNA(specification)—**PPP1R1AP1 gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 1A pseudogene 1

[NPU44339](#)

DNA(spec.)—PPP1R1AP1 gene; seq.var. = ?

DNA(specification)—**PPP1R1AP2 gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 1A pseudogene 2

[NPU44340](#)

DNA(spec.)—PPP1R1AP2 gene; seq.var. = ?

DNA(specification)—**PPP1R1B gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 1B (dopamine and cAMP regulated phosphoprotein, DARPP-32)

[NPU38603](#)

DNA(spec.)—PPP1R1B gene; seq.var. = ?

DNA(specification)—**PPP1R1C gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 1C

[NPU43184](#)

DNA(spec.)—PPP1R1C gene; seq.var. = ?

DNA(specification)—**PPP1R2 gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 2

[NPU38604](#)

DNA(spec.)—PPP1R2 gene; seq.var. = ?

DNA(specification)—**PPP1R2P1 gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 2 pseudogene 1

[NPU38605](#)

DNA(spec.)—PPP1R2P1 gene; seq.var. = ?

DNA(specification)—**PPP1R2P2 gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 2 pseudogene 2

[NPU38606](#)

DNA(spec.)—PPP1R2P2 gene; seq.var. = ?

DNA(specification)—**PPP1R2P3 gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 2 pseudogene 3

[NPU44341](#)

DNA(spec.)—PPP1R2P3 gene; seq.var. = ?

DNA(specification)—**PPP1R2P4 gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 2 pseudogene 4

[NPU44342](#)

DNA(spec.)—PPP1R2P4 gene; seq.var. = ?

DNA(specification)—**PPP1R2P5 gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 2 pseudogene 5

[NPU44343](#)

DNA(spec.)—PPP1R2P5 gene; seq.var. = ?

DNA(specification)—**PPP1R2P6 gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 2 pseudogene 6

[NPU44344](#)

DNA(spec.)—PPP1R2P6 gene; seq.var. = ?

DNA(specification)—**PPP1R2P7 gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 2 pseudogene 7

[NPU44345](#)

DNA(spec.)—PPP1R2P7 gene; seq.var. = ?

DNA(specification)—**PPP1R2P8 gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 2 pseudogene 8

[NPU44346](#)

DNA(spec.)—PPP1R2P8 gene; seq.var. = ?

DNA(specification)—**PPP1R2P9 gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 2 pseudogene 9

[NPU44347](#)

DNA(spec.)—PPP1R2P9 gene; seq.var. = ?

DNA(specification)—**PPP1R3A gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 3A (glycogen and sarcoplasmic reticulum binding subunit, skeletal muscle)

[NPU38607](#)

DNA(spec.)—PPP1R3A gene; seq.var. = ?

DNA(specification)—**PPP1R3B gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 3B

[NPU43186](#)

DNA(spec.)—PPP1R3B gene; seq.var. = ?

DNA(specification)—**PPP1R3C gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 3C

[NPU38608](#)

DNA(spec.)—PPP1R3C gene; seq.var. = ?

DNA(specification)—**PPP1R3D gene;****sequence variation**

name of component: protein phosphatase 1, regulatory subunit 3D

[NPU38609](#)

DNA(spec.)—PPP1R3D gene; seq.var. = ?

DNA(specification)—**PPP1R3E gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 3E

[NPU43187](#)

DNA(spec.)—PPP1R3E gene; seq.var. = ?

DNA(specification)—**PPP1R3F gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 3F

[NPU43188](#)

DNA(spec.)—PPP1R3F gene; seq.var. = ?

DNA(specification)—**PPP1R3G gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 3G

[NPU43189](#)

DNA(spec.)—PPP1R3G gene; seq.var. = ?

DNA(specification)—**PPP1R7 gene;****sequence variation**

name of component: protein phosphatase 1, regulatory subunit 7

[NPU38610](#)

DNA(spec.)—PPP1R7 gene; seq.var. = ?

DNA(specification)—**PPP1R8 gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 8

[NPU38611](#)

DNA(spec.)—PPP1R8 gene; seq.var. = ?

DNA(specification)—**PPP1R8P gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 8 pseudogene

[NPU38612](#)

DNA(spec.)—PPP1R8P gene; seq.var. = ?

DNA(specification)—**PPP1R9A gene;****sequence variation**

name of component: protein phosphatase 1, regulatory (inhibitor) subunit 9A

[NPU43190](#)

DNA(spec.)—PPP1R9A gene; seq.var. = ?

DNA(specification)—**PPP1R9B gene;****sequence variation**

name of component: protein phosphatase 1, regulatory subunit 9B, spinophilin

[NPU38613](#)

DNA(spec.)—PPP1R9B gene; seq.var. = ?

DNA(specification)—**PPP2CA gene;****sequence variation**

name of component: protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform

[NPU38614](#)

DNA(spec.)—PPP2CA gene; seq.var. = ?

DNA(specification)—**PPP2CB gene;****sequence variation**

name of component: protein phosphatase 2 (formerly 2A), catalytic subunit, beta isoform

[NPU38615](#)

DNA(spec.)—PPP2CB gene; seq.var. = ?

DNA(specification)—**PPP2CBP gene;****sequence variation**

name of component: protein phosphatase 2 (formerly 2A), catalytic subunit, beta isoform pseudogene

[NPU38616](#)

DNA(spec.)—PPP2CBP gene; seq.var. = ?

DNA(specification)—**PPP2R1A gene;****sequence variation**

name of component: protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), alpha isoform

[NPU38617](#)

DNA(spec.)—PPP2R1A gene; seq.var. = ?

DNA(specification)—**PPP2R1B gene;****sequence variation**

name of component: protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform

[NPU38618](#)

DNA(spec.)—PPP2R1B gene; seq.var. = ?

DNA(specification)—**PPP2R2A gene;****sequence variation**

name of component: protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), alpha isoform

[NPU38619](#)

DNA(spec.)—PPP2R2A gene; seq.var. = ?

DNA(specification)—**PPP2R2B gene;****sequence variation**

name of component: protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), beta isoform

[NPU38620](#)

DNA(spec.)—PPP2R2B gene; seq.var. = ?

DNA(specification)—**PPP2R2C gene;****sequence variation**

name of component: protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), gamma isoform

[NPU38621](#)

DNA(spec.)—PPP2R2C gene; seq.var. = ?

DNA(specification)—**PPP2R3A gene;****sequence variation**

name of component: protein phosphatase 2 (formerly 2A), regulatory subunit B", alpha

[NPU38622](#)

DNA(spec.)—PPP2R3A gene; seq.var. = ?

DNA(specification)—**PPP2R3B gene;****sequence variation**

name of component: protein phosphatase 2 (formerly 2A), regulatory subunit B", beta

[NPU42122](#)

DNA(spec.)—PPP2R3B gene; seq.var. = ?

DNA(specification)—**PPP2R4 gene;****sequence variation**

name of component: protein phosphatase 2A, regulatory subunit B' (PR 53)

[NPU38623](#)

DNA(spec.)—PPP2R4 gene; seq.var. = ?

DNA(specification)—**PPP2R5A gene;****sequence variation**

name of component: protein phosphatase 2, regulatory subunit B (B56), alpha isoform

[NPU38624](#)

DNA(spec.)—PPP2R5A gene; seq.var. = ?

DNA(specification)—**PPP2R5B gene;****sequence variation**

name of component: protein phosphatase 2, regulatory subunit B (B56), beta isoform

[NPU38625](#)

DNA(spec.)—PPP2R5B gene; seq.var. = ?

DNA(specification)—**PPP2R5C gene;****sequence variation**

name of component: protein phosphatase 2, regulatory subunit B (B56), gamma isoform

[NPU38626](#)

DNA(spec.)—PPP2R5C gene; seq.var. = ?

DNA(specification)—**PPP2R5CP gene;****sequence variation**

name of component: protein phosphatase 2, regulatory subunit B (B56), gamma isoform pseudogene

[NPU46132](#)

DNA(spec.)—PPP2R5CP gene; seq.var. = ?

DNA(specification)—**PPP2R5D gene;****sequence variation**

name of component: protein phosphatase 2, regulatory subunit B (B56), delta isoform

[NPU38627](#)

DNA(spec.)—PPP2R5D gene; seq.var. = ?

DNA(specification)—**PPP2R5E gene;****sequence variation**

name of component: protein phosphatase 2, regulatory subunit B (B56), epsilon isoform

[NPU38628](#)

DNA(spec.)—PPP2R5E gene; seq.var. = ?

DNA(specification)—**PPP3CA gene;****sequence variation**

name of component: protein phosphatase 3 (formerly 2B), catalytic subunit, alpha isoform (calcineurin A alpha)

[NPU38629](#)

DNA(spec.)—PPP3CA gene; seq.var. = ?

DNA(specification)—**PPP3CB gene;****sequence variation**

name of component: protein phosphatase 3 (formerly 2B), catalytic subunit, beta isoform (calcineurin A beta)

[NPU38630](#)

DNA(spec.)—PPP3CB gene; seq.var. = ?

DNA(specification)—**PPP3CC gene;****sequence variation**

name of component: protein phosphatase 3 (formerly 2B), catalytic subunit, gamma isoform (calcineurin A gamma)

[NPU38631](#)

DNA(spec.)—PPP3CC gene; seq.var. = ?

DNA(specification)—**PPP3R1 gene;****sequence variation**

name of component: protein phosphatase 3 (formerly 2B), regulatory subunit B, 19 kDa, alpha isoform (calcineurin B, type I)

[NPU38632](#)

DNA(spec.)—PPP3R1 gene; seq.var. = ?

DNA(specification)—**PPP3R2 gene;****sequence variation**

name of component: protein phosphatase 3 (formerly 2B), regulatory subunit B, 19 kDa, beta isoform (calcineurin B, type II)

[NPU38633](#)

DNA(spec.)—PPP3R2 gene; seq.var. = ?

DNA(specification)—**PPP4C gene;****sequence variation**

name of component: protein phosphatase 4 (formerly X), catalytic subunit

[NPU38634](#)

DNA(spec.)—PPP4C gene; seq.var. = ?

DNA(specification)—**PPP4R1 gene;****sequence variation**

name of component: protein phosphatase 4, regulatory subunit 1

[NPU38635](#)

DNA(spec.)—PPP4R1 gene; seq.var. = ?

DNA(specification)—**PPP4R1L gene;****sequence variation**

name of component: protein phosphatase 4, regulatory subunit 1-like

[NPU43873](#)

DNA(spec.)—PPP4R1L gene; seq.var. = ?

DNA(specification)—**PPP4R2 gene;****sequence variation**

name of component: protein phosphatase 4, regulatory subunit 2

[NPU46386](#)

DNA(spec.)—PPP4R2 gene; seq.var. = ?

DNA(specification)—**PPP5C gene;****sequence variation**

name of component: protein phosphatase 5, catalytic subunit

[NPU38636](#)

DNA(spec.)—PPP5C gene; seq.var. = ?

DNA(specification)—**PPP6C gene;****sequence variation**

name of component: protein phosphatase 6, catalytic subunit

[NPU38637](#)

DNA(spec.)—PPP6C gene; seq.var. = ?

DNA(specification)—**PPT1 gene;****sequence variation**

name of component: palmitoyl-protein thioesterase 1 (ceroid-lipofuscinosis, neuronal 1, infantile)

[NPU19175](#)

DNA(spec.)—PPT1 gene; seq.var. = ?

DNA(specification)—**PPT2 gene;****sequence variation**

name of component: palmitoyl-protein thioesterase 2

[NPU38638](#)

DNA(spec.)—PPT2 gene; seq.var. = ?

DNA(specification)—**PPY gene;****sequence variation**

name of component: pancreatic polypeptide

[NPU38639](#)

DNA(spec.)—PPY gene; seq.var. = ?

DNA(specification)—**PPY2 gene;****sequence variation**

name of component: pancreatic polypeptide 2

[NPU38640](#)

DNA(spec.)—PPY2 gene; seq.var. = ?

DNA(specification)—**PPYR1 gene;****sequence variation**

name of component: pancreatic polypeptide receptor 1

[NPU38641](#)

DNA(spec.)—PPYR1 gene; seq.var. = ?

DNA(specification)—**PQBP1 gene;****sequence variation**

name of component: polyglutamine binding protein 1

[NPU38642](#)

DNA(spec.)—PQBP1 gene; seq.var. = ?

DNA(specification)—**PQBP2 gene;****sequence variation**

name of component: polyglutamine binding protein 2

[NPU38643](#)

DNA(spec.)—PQBP2 gene; seq.var. = ?

DNA(specification)—**PQBP3 gene;****sequence variation**

name of component: polyglutamine binding protein 3

[NPU38644](#)

DNA(spec.)—PQBP3 gene; seq.var. = ?

DNA(specification)—**PQBP4 gene;****sequence variation**

name of component: polyglutamine binding protein 4

[NPU38645](#)

DNA(spec.)—PQBP4 gene; seq.var. = ?

DNA(specification)—**PQBP5 gene;****sequence variation**

name of component: polyglutamine binding protein 5

[NPU38646](#)

DNA(spec.)—PQBP5 gene; seq.var. = ?

DNA(specification)—**PR@ gene;****sequence variation**

name of component: proline-rich protein gene cluster

[NPU38647](#)

DNA(spec.)—PR@ gene; seq.var. = ?

DNA(specification)—**PRAME gene;****sequence variation**

name of component: preferentially expressed antigen in melanoma

[NPU38648](#)

DNA(spec.)—PRAME gene; seq.var. = ?

DNA(specification)—**PRB1 gene;****sequence variation**

name of component: proline-rich protein BstNI subfamily 1

[NPU38649](#)

DNA(spec.)—PRB1 gene; seq.var. = ?

DNA(specification)—**PRB2 gene;****sequence variation**

name of component: proline-rich protein BstNI subfamily 2

[NPU38650](#)

DNA(spec.)—PRB2 gene; seq.var. = ?

DNA(specification)—**PRB3 gene;****sequence variation**

name of component: proline-rich protein BstNI subfamily 3

[NPU38651](#)

DNA(spec.)—PRB3 gene; seq.var. = ?

DNA(specification)—**PRB4 gene;****sequence variation**

name of component: proline-rich protein BstNI subfamily 4

[NPU38652](#)

DNA(spec.)—PRB4 gene; seq.var. = ?

DNA(specification)—**PRC1 gene;****sequence variation**

name of component: protein regulator of cytokinesis 1

[NPU38653](#)

DNA(spec.)—PRC1 gene; seq.var. = ?

DNA(specification)—**PRCA1 gene;****sequence variation**

name of component: prostate cancer 1

[NPU38654](#)

DNA(spec.)—PRCA1 gene; seq.var. = ?

DNA(specification)—**PRCC gene;****sequence variation**

name of component: papillary renal cell carcinoma (translocation-associated)

[NPU38655](#)

DNA(spec.)—PRCC gene; seq.var. = ?

DNA(specification)—**PRCP gene;****sequence variation**

name of component: prolylcarboxypeptidase (angiotensinase C)

[NPU38656](#)

DNA(spec.)—PRCP gene; seq.var. = ?

DNA(specification)—**PRD gene;****sequence variation**

name of component: primary retinal dysplasia

[NPU38657](#)

DNA(spec.)—PRD gene; seq.var. = ?

DNA(specification)—
PRDM1 gene;
sequence variation
name of component: PR domain containing 1, with
ZNF domain
[NPU38658](#)
DNA(spec.)—PRDM1 gene; seq.var. = ?

DNA(specification)—
PRDM10 gene;
sequence variation
name of component: PR domain containing 10
[NPU42431](#)
DNA(spec.)—PRDM10 gene; seq.var. = ?

DNA(specification)—
PRDM11 gene;
sequence variation
name of component: PR domain containing 11
[NPU42432](#)
DNA(spec.)—PRDM11 gene; seq.var. = ?

DNA(specification)—
PRDM12 gene;
sequence variation
name of component: PR domain containing 12
[NPU42433](#)
DNA(spec.)—PRDM12 gene; seq.var. = ?

DNA(specification)—
PRDM13 gene;
sequence variation
name of component: PR domain containing 13
[NPU42434](#)
DNA(spec.)—PRDM13 gene; seq.var. = ?

DNA(specification)—
PRDM14 gene;
sequence variation
name of component: PR domain containing 14
[NPU42437](#)
DNA(spec.)—PRDM14 gene; seq.var. = ?

DNA(specification)—
PRDM15 gene;
sequence variation
name of component: PR domain containing 15
[NPU42435](#)
DNA(spec.)—PRDM15 gene; seq.var. = ?

DNA(specification)—
PRDM16 gene;
sequence variation
name of component: PR domain containing 16
[NPU42436](#)
DNA(spec.)—PRDM16 gene; seq.var. = ?

DNA(specification)—
PRDM2 gene;
sequence variation
name of component: PR domain containing 2, with
ZNF domain
[NPU38659](#)
DNA(spec.)—PRDM2 gene; seq.var. = ?

DNA(specification)—
PRDM4 gene;
sequence variation
name of component: PR domain containing 4
[NPU38660](#)
DNA(spec.)—PRDM4 gene; seq.var. = ?

DNA(specification)—
PRDM5 gene;
sequence variation
name of component: PR domain containing 5
[NPU38661](#)
DNA(spec.)—PRDM5 gene; seq.var. = ?

DNA(specification)—
PRDM6 gene;
sequence variation
name of component: PR domain containing 6
[NPU38662](#)
DNA(spec.)—PRDM6 gene; seq.var. = ?

DNA(specification)—
PRDM7 gene;
sequence variation
name of component: PR domain containing 7
[NPU38663](#)
DNA(spec.)—PRDM7 gene; seq.var. = ?

DNA(specification)—
PRDM8 gene;
sequence variation
name of component: PR domain containing 8
[NPU42429](#)
DNA(spec.)—PRDM8 gene; seq.var. = ?

DNA(specification)—
PRDM9 gene;
sequence variation
name of component: PR domain containing 9
[NPU42430](#)
DNA(spec.)—PRDM9 gene; seq.var. = ?

DNA(specification)—
PRDX1 gene;
sequence variation
name of component: peroxiredoxin 1
[NPU38664](#)
DNA(spec.)—PRDX1 gene; seq.var. = ?

DNA(specification)—
PRDX2 gene;
sequence variation
 name of component: peroxiredoxin 2
[NPU38665](#)
 DNA(spec.)—PRDX2 gene; seq.var. = ?

DNA(specification)—
PRDX3 gene;
sequence variation
 name of component: peroxiredoxin 3
[NPU38666](#)
 DNA(spec.)—PRDX3 gene; seq.var. = ?

DNA(specification)—
PRDX4 gene;
sequence variation
 name of component: peroxiredoxin 4
[NPU44892](#)
 DNA(spec.)—PRDX4 gene; seq.var. = ?

DNA(specification)—
PRDX5 gene;
sequence variation
 name of component: peroxiredoxin 5
[NPU38667](#)
 DNA(spec.)—PRDX5 gene; seq.var. = ?

DNA(specification)—
PRDX6 gene;
sequence variation
 name of component: peroxiredoxin 6
[NPU44669](#)
 DNA(spec.)—PRDX6 gene; seq.var. = ?

DNA(specification)—
PREB gene;
sequence variation
 name of component: prolactin regulatory element binding
[NPU38668](#)
 DNA(spec.)—PREB gene; seq.var. = ?

DNA(specification)—
PREI3 gene;
sequence variation
 name of component: preimplantation protein 3
[NPU44936](#)
 DNA(spec.)—PREI3 gene; seq.var. = ?

DNA(specification)—
PRELP gene;
sequence variation
 name of component: proline arginine-rich end leucine-rich repeat protein
[NPU38669](#)
 DNA(spec.)—PRELP gene; seq.var. = ?

DNA(specification)—
PREP gene;
sequence variation
 name of component: prolyl endopeptidase
[NPU38670](#)
 DNA(spec.)—PREP gene; seq.var. = ?

DNA(specification)—
PRES gene;
sequence variation
 name of component: prestin (motor protein)
[NPU38671](#)
 DNA(spec.)—PRES gene; seq.var. = ?

DNA(specification)—
PRF1 gene;
sequence variation
 name of component: perforin 1 (pore forming protein)
[NPU38672](#)
 DNA(spec.)—PRF1 gene; seq.var. = ?

DNA(specification)—
PRG1 gene;
sequence variation
 name of component: proteoglycan 1, secretory granule
[NPU38673](#)
 DNA(spec.)—PRG1 gene; seq.var. = ?

DNA(specification)—
PRG2 gene;
sequence variation
 name of component: proteoglycan 2, bone marrow (natural killer cell activator, eosinophil granule major basic protein)
[NPU38674](#)
 DNA(spec.)—PRG2 gene; seq.var. = ?

DNA(specification)—
PRG3 gene;
sequence variation
 name of component: proteoglycan 3
[NPU38675](#)
 DNA(spec.)—PRG3 gene; seq.var. = ?

DNA(specification)—
PRG4 gene;
sequence variation
 name of component: proteoglycan 4, (megakaryocyte stimulating factor, articular superficial zone protein, camptodactyly, arthropathy, coxa vara, pericarditis syndrome)
[NPU38676](#)
 DNA(spec.)—PRG4 gene; seq.var. = ?

DNA(specification)—**PRH1 gene;****sequence variation**

name of component: proline-rich protein HaeIII subfamily 1

[NPU38677](#)

DNA(spec.)—PRH1 gene; seq.var. = ?

DNA(specification)—**PRH2 gene;****sequence variation**

name of component: proline-rich protein HaeIII subfamily 2

[NPU38678](#)

DNA(spec.)—PRH2 gene; seq.var. = ?

DNA(specification)—**PRICKLE1 gene;****sequence variation**

name of component: prickle-like 1 (Drosophila)

[NPU44813](#)

DNA(spec.)—PRICKLE1 gene; seq.var. = ?

DNA(specification)—**PRICKLE2 gene;****sequence variation**

name of component: prickle-like 2 (Drosophila)

[NPU47568](#)

DNA(spec.)—PRICKLE2 gene; seq.var. = ?

DNA(specification)—**PRIM1 gene;****sequence variation**

name of component: primase, polypeptide 1, 49 kDa

[NPU38679](#)

DNA(spec.)—PRIM1 gene; seq.var. = ?

DNA(specification)—**PRIM2A gene;****sequence variation**

name of component: primase, polypeptide 2A, 58 kDa

[NPU38680](#)

DNA(spec.)—PRIM2A gene; seq.var. = ?

DNA(specification)—**PRIM2B gene;****sequence variation**

name of component: primase polypeptide 2B, 58 kDa

[NPU38681](#)

DNA(spec.)—PRIM2B gene; seq.var. = ?

DNA(specification)—**PRIMA1 gene;****sequence variation**

name of component: proline rich membrane anchor 1

[NPU46401](#)

DNA(spec.)—PRIMA1 gene; seq.var. = ?

DNA(specification)—**PRKA1 gene;****sequence variation**

name of component: protein kinase A1

[NPU38682](#)

DNA(spec.)—PRKA1 gene; seq.var. = ?

DNA(specification)—**PRKA2 gene;****sequence variation**

name of component: protein kinase A2

[NPU38683](#)

DNA(spec.)—PRKA2 gene; seq.var. = ?

DNA(specification)—**PRKAB1 gene;****sequence variation**

name of component: protein kinase, AMP-activated, beta 1 non-catalytic subunit

[NPU38686](#)

DNA(spec.)—PRKAB1 gene; seq.var. = ?

DNA(specification)—**PRKAB2 gene;****sequence variation**

name of component: protein kinase, AMP-activated, beta 2 non-catalytic subunit

[NPU38687](#)

DNA(spec.)—PRKAB2 gene; seq.var. = ?

DNA(specification)—**PRKACA gene;****sequence variation**

name of component: protein kinase, cAMP-dependent, catalytic, alpha

[NPU38688](#)

DNA(spec.)—PRKACA gene; seq.var. = ?

DNA(specification)—**PRKACB gene;****sequence variation**

name of component: protein kinase, cAMP-dependent, catalytic, beta

[NPU38689](#)

DNA(spec.)—PRKACB gene; seq.var. = ?

DNA(specification)—**PRKACG gene;****sequence variation**

name of component: protein kinase, cAMP-dependent, catalytic, gamma

[NPU38690](#)

DNA(spec.)—PRKACG gene; seq.var. = ?

DNA(specification)—**PRKAG1 gene;****sequence variation**

name of component: protein kinase, AMP-activated, gamma 1 non-catalytic subunit

[NPU38691](#)

DNA(spec.)—PRKAG1 gene; seq.var. = ?

DNA(specification)—**PRKAG2 gene;****sequence variation**

name of component: protein kinase, AMP-activated, gamma 2 non-catalytic subunit

[NPU38692](#)

DNA(spec.)—PRKAG2 gene; seq.var. = ?

DNA(specification)—**PRKAG3 gene;****sequence variation**

name of component: protein kinase, AMP-activated, gamma 3 non-catalytic subunit

[NPU38693](#)

DNA(spec.)—PRKAG3 gene; seq.var. = ?

DNA(specification)—**PRKAR1A gene;****sequence variation**

name of component: protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1)

[NPU38694](#)

DNA(spec.)—PRKAR1A gene; seq.var. = ?

DNA(specification)—**PRKAR1AP gene;****sequence variation**

name of component: protein kinase, cAMP-dependent, regulatory, type I, alpha pseudogene

[NPU38695](#)

DNA(spec.)—PRKAR1AP gene; seq.var. = ?

DNA(specification)—**PRKAR1B gene;****sequence variation**

name of component: protein kinase, cAMP-dependent, regulatory, type I, beta

[NPU38696](#)

DNA(spec.)—PRKAR1B gene; seq.var. = ?

DNA(specification)—**PRKAR2A gene;****sequence variation**

name of component: protein kinase, cAMP-dependent, regulatory, type II, alpha

[NPU38697](#)

DNA(spec.)—PRKAR2A gene; seq.var. = ?

DNA(specification)—**PRKAR2B gene;****sequence variation**

name of component: protein kinase, cAMP-dependent, regulatory, type II, beta

[NPU38698](#)

DNA(spec.)—PRKAR2B gene; seq.var. = ?

DNA(specification)—**PRKCA gene;****sequence variation**

name of component: protein kinase C, alpha

[NPU38699](#)

DNA(spec.)—PRKCA gene; seq.var. = ?

DNA(specification)—**PRKCABP gene;****sequence variation**

name of component: protein kinase C, alpha binding protein

[NPU38700](#)

DNA(spec.)—PRKCABP gene; seq.var. = ?

DNA(specification)—**PRKCB1 gene;****sequence variation**

name of component: protein kinase C, beta 1

[NPU38701](#)

DNA(spec.)—PRKCB1 gene; seq.var. = ?

DNA(specification)—**PRKCBP1 gene;****sequence variation**

name of component: protein kinase C binding protein 1

[NPU38702](#)

DNA(spec.)—PRKCBP1 gene; seq.var. = ?

DNA(specification)—**PRKCD gene;****sequence variation**

name of component: protein kinase C, delta

[NPU38704](#)

DNA(spec.)—PRKCD gene; seq.var. = ?

DNA(specification)—**PRKCDBP gene;****sequence variation**

name of component: protein kinase C, delta binding protein

[NPU38705](#)

DNA(spec.)—PRKCDBP gene; seq.var. = ?

DNA(specification)—
PRKCE gene;
sequence variation
name of component: protein kinase C, epsilon
[NPU38706](#)
DNA(spec.)—PRKCE gene; seq.var. = ?

DNA(specification)—
PRKCG gene;
sequence variation
name of component: protein kinase C, gamma
[NPU38707](#)
DNA(spec.)—PRKCG gene; seq.var. = ?

DNA(specification)—
PRKCH gene;
sequence variation
name of component: protein kinase C, eta
[NPU38708](#)
DNA(spec.)—PRKCH gene; seq.var. = ?

DNA(specification)—
PRKCI gene;
sequence variation
name of component: protein kinase C, iota
[NPU38709](#)
DNA(spec.)—PRKCI gene; seq.var. = ?

DNA(specification)—
PRKCL1 gene;
sequence variation
name of component: protein kinase C-like 1
[NPU38710](#)
DNA(spec.)—PRKCL1 gene; seq.var. = ?

DNA(specification)—
PRKCL2 gene;
sequence variation
name of component: protein kinase C-like 2
[NPU38711](#)
DNA(spec.)—PRKCL2 gene; seq.var. = ?

DNA(specification)—
PRKCM gene;
sequence variation
name of component: protein kinase C, mu
[NPU38712](#)
DNA(spec.)—PRKCM gene; seq.var. = ?

DNA(specification)—
PRKCN gene;
sequence variation
name of component: protein kinase C, nu
[NPU38713](#)
DNA(spec.)—PRKCN gene; seq.var. = ?

DNA(specification)—
PRKCQ gene;
sequence variation
name of component: protein kinase C, theta
[NPU38714](#)
DNA(spec.)—PRKCQ gene; seq.var. = ?

DNA(specification)—
PRKCSH gene;
sequence variation
name of component: protein kinase C substrate
80K-H
[NPU38715](#)
DNA(spec.)—PRKCSH gene; seq.var. = ?

DNA(specification)—
PRKCZ gene;
sequence variation
name of component: protein kinase C, zeta
[NPU38716](#)
DNA(spec.)—PRKCZ gene; seq.var. = ?

DNA(specification)—
PRKDC gene;
sequence variation
name of component: protein kinase, DNA-
activated, catalytic polypeptide
[NPU38717](#)
DNA(spec.)—PRKDC gene; seq.var. = ?

DNA(specification)—
PRKG1 gene;
sequence variation
name of component: protein kinase, cGMP-
dependent, type I
[NPU38718](#)
DNA(spec.)—PRKG1 gene; seq.var. = ?

DNA(specification)—
PRKG2 gene;
sequence variation
name of component: protein kinase, cGMP-
dependent, type II
[NPU38719](#)
DNA(spec.)—PRKG2 gene; seq.var. = ?

DNA(specification)—
PRKR gene;
sequence variation
name of component: protein kinase, interferon-
inducible double stranded RNA dependent
[NPU38720](#)
DNA(spec.)—PRKR gene; seq.var. = ?

DNA(specification)—**PRKRA gene;****sequence variation**

name of component: protein kinase, interferon-inducible double stranded RNA dependent activator

[NPU38721](#)

DNA(spec.)—PRKRA gene; seq.var. = ?

DNA(specification)—**PRKRIR gene;****sequence variation**

name of component: protein-kinase, interferon-inducible double stranded RNA dependent inhibitor, repressor of (P58 repressor)

[NPU38723](#)

DNA(spec.)—PRKRIR gene; seq.var. = ?

DNA(specification)—**PRKWNK1 gene;****sequence variation**

name of component: protein kinase, lysine deficient 1

[NPU42847](#)

DNA(spec.)—PRKWNK1 gene; seq.var. = ?

DNA(specification)—**PRKWNK2 gene;****sequence variation**

name of component: protein kinase, lysine deficient 2

[NPU42849](#)

DNA(spec.)—PRKWNK2 gene; seq.var. = ?

DNA(specification)—**PRKWNK3 gene;****sequence variation**

name of component: protein kinase, lysine deficient 3

[NPU42850](#)

DNA(spec.)—PRKWNK3 gene; seq.var. = ?

DNA(specification)—**PRKWNK4 gene;****sequence variation**

name of component: protein kinase, lysine deficient 4

[NPU42851](#)

DNA(spec.)—PRKWNK4 gene; seq.var. = ?

DNA(specification)—**PRKX gene;****sequence variation**

name of component: protein kinase, X-linked

[NPU38724](#)

DNA(spec.)—PRKX gene; seq.var. = ?

DNA(specification)—**PRKXP1 gene;****sequence variation**

name of component: protein kinase, X-linked, pseudogene 1

[NPU38725](#)

DNA(spec.)—PRKXP1 gene; seq.var. = ?

DNA(specification)—**PRKXP2 gene;****sequence variation**

name of component: protein kinase, X-linked, pseudogene 2

[NPU38726](#)

DNA(spec.)—PRKXP2 gene; seq.var. = ?

DNA(specification)—**PRKY gene;****sequence variation**

name of component: protein kinase, Y-linked

[NPU38727](#)

DNA(spec.)—PRKY gene; seq.var. = ?

DNA(specification)—**PRKAA1 gene;****sequence variation**

name of component: protein kinase, AMP-activated, alpha 1 catalytic subunit

[NPU38684](#)

DNA(spec.)—PRKAA1 gene; seq.var. = ?

DNA(specification)—**PRKAA2 gene;****sequence variation**

name of component: protein kinase, AMP-activated, alpha 2 catalytic subunit

[NPU38685](#)

DNA(spec.)—PRKAA2 gene; seq.var. = ?

DNA(specification)—**PRL gene;****sequence variation**

name of component: prolactin

[NPU38728](#)

DNA(spec.)—PRL gene; seq.var. = ?

DNA(specification)—**PRLR gene;****sequence variation**

name of component: prolactin receptor

[NPU38729](#)

DNA(spec.)—PRLR gene; seq.var. = ?

DNA(specification)—**PRM1 gene;****sequence variation**

name of component: protamine 1

[NPU38730](#)

DNA(spec.)—PRM1 gene; seq.var. = ?

DNA(specification)—**PRM2 gene;****sequence variation**

name of component: protamine 2

[NPU38731](#)

DNA(spec.)—PRM2 gene; seq.var. = ?

DNA(specification)—**PRM3 gene;****sequence variation**

name of component: protamine 3

[NPU42297](#)

DNA(spec.)—PRM3 gene; seq.var. = ?

DNA(specification)—**PRND gene;****sequence variation**

name of component: prion protein 2 (duplet)

[NPU43868](#)

DNA(spec.)—PRND gene; seq.var. = ?

DNA(specification)—**PRNP gene;****sequence variation**name of component: prion protein (p27-30)
(Creutzfeld-Jakob disease, Gerstmann-Strausler-Scheinker syndrome, fatal familial insomnia)[NPU38732](#)

DNA(spec.)—PRNP gene; seq.var. = ?

DNA(specification)—**PRNPIP gene;****sequence variation**

name of component: prion protein interacting protein

[NPU44947](#)

DNA(spec.)—PRNPIP gene; seq.var. = ?

DNA(specification)—**PRNT gene;****sequence variation**

name of component: prion protein (testis specific)

[NPU46248](#)

DNA(spec.)—PRNT gene; seq.var. = ?

DNA(specification)—**PRO1 gene;****sequence variation**

name of component: progeria 1 (Hutchinson-Gilford type)

[NPU38733](#)

DNA(spec.)—PRO1 gene; seq.var. = ?

DNA(specification)—**PROC gene;****sequence variation**

name of component: protein C (inactivator of coagulation factors Va and VIIIa)

[NPU19211](#)

DNA(spec.)—PROC gene; seq.var. = ?

DNA(specification)—**PROCR gene;****sequence variation**

name of component: protein C receptor, endothelial (EPCR)

[NPU38734](#)

DNA(spec.)—PROCR gene; seq.var. = ?

DNA(specification)—**PRODH gene;****sequence variation**

name of component: proline dehydrogenase (oxidase) 1

[NPU38735](#)

DNA(spec.)—PRODH gene; seq.var. = ?

DNA(specification)—**PRODH2 gene;****sequence variation**

name of component: proline dehydrogenase (oxidase) 2

[NPU44978](#)

DNA(spec.)—PRODH2 gene; seq.var. = ?

DNA(specification)—**PROK1 gene;****sequence variation**

name of component: prokineticin 1

[NPU46471](#)

DNA(spec.)—PROK1 gene; seq.var. = ?

DNA(specification)—**PROK2 gene;****sequence variation**

name of component: prokineticin 2

[NPU46472](#)

DNA(spec.)—PROK2 gene; seq.var. = ?

DNA(specification)—**PROL1 gene;****sequence variation**

name of component: proline rich 1

[NPU44950](#)

DNA(spec.)—PROL1 gene; seq.var. = ?

DNA(specification)—**PROL2 gene;****sequence variation**

name of component: proline rich 2

[NPU44949](#)

DNA(spec.)—PROL2 gene; seq.var. = ?

DNA(specification)—**PROL3 gene;****sequence variation**

name of component: proline rich 3

[NPU44979](#)

DNA(spec.)—PROL3 gene; seq.var. = ?

DNA(specification)—
PROL4 gene;
sequence variation
name of component: proline rich 4 (lacrimal)
[NPU46235](#)
DNA(spec.)—PROL4 gene; seq.var. = ?

DNA(specification)—
PROL5 gene;
sequence variation
name of component: proline rich 5 (salivary)
[NPU46920](#)
DNA(spec.)—PROL5 gene; seq.var. = ?

DNA(specification)—
PROM1 gene;
sequence variation
name of component: prominin 1
[NPU38736](#)
DNA(spec.)—PROM1 gene; seq.var. = ?

DNA(specification)—
PROM2 gene;
sequence variation
name of component: prominin 2
[NPU47716](#)
DNA(spec.)—PROM2 gene; seq.var. = ?

DNA(specification)—
PROP1 gene;
sequence variation
name of component: prophet of Pit1, paired-like homeodomain transcription factor
[NPU38737](#)
DNA(spec.)—PROP1 gene; seq.var. = ?

DNA(specification)—
PROS1 gene;
sequence variation
name of component: protein S (alpha)
[NPU19212](#)
DNA(spec.)—PROS1 gene; seq.var. = ?

DNA(specification)—
PROSC gene;
sequence variation
name of component: proline synthetase co-transcribed homolog (bacterial)
[NPU38738](#)
DNA(spec.)—PROSC gene; seq.var. = ?

DNA(specification)—
PROSP gene;
sequence variation
name of component: protein S pseudogene (beta)
[NPU38739](#)
DNA(spec.)—PROSP gene; seq.var. = ?

DNA(specification)—
PROX1 gene;
sequence variation
name of component: prospero-related homeobox 1
[NPU38740](#)
DNA(spec.)—PROX1 gene; seq.var. = ?

DNA(specification)—
PROZ gene;
sequence variation
name of component: protein Z, vitamin K-dependent plasma glycoprotein
[NPU38741](#)
DNA(spec.)—PROZ gene; seq.var. = ?

DNA(specification)—
PRPF18 gene;
sequence variation
name of component: PRP18 pre-mRNA processing factor 18 homolog (yeast)
[NPU44996](#)
DNA(spec.)—PRPF18 gene; seq.var. = ?

DNA(specification)—
PRPF31 gene;
sequence variation
name of component: PRP31 pre-mRNA processing factor 31 homolog (yeast)
[NPU43665](#)
DNA(spec.)—PRPF31 gene; seq.var. = ?

DNA(specification)—
PRPF39 gene;
sequence variation
name of component: PRP39 pre-mRNA processing factor 39 homolog (yeast)
[NPU47548](#)
DNA(spec.)—PRPF39 gene; seq.var. = ?

DNA(specification)—
PRPF4 gene;
sequence variation
name of component: PRP4 pre-mRNA processing factor 4 homolog (yeast)
[NPU44994](#)
DNA(spec.)—PRPF4 gene; seq.var. = ?

DNA(specification)—
PRPF4B gene;
sequence variation
name of component: PRP4 pre-mRNA processing factor 4 homolog B (yeast)
[NPU44993](#)
DNA(spec.)—PRPF4B gene; seq.var. = ?

DNA(specification)—**PRPF8 gene;****sequence variation**

name of component: PRP8 pre-mRNA processing factor 8 homolog (yeast)

[NPU44989](#)

DNA(spec.)—PRPF8 gene; seq.var. = ?

DNA(specification)—**PRPH gene;****sequence variation**

name of component: peripherin

[NPU38742](#)

DNA(spec.)—PRPH gene; seq.var. = ?

DNA(specification)—**PRPS1 gene;****sequence variation**

name of component: phosphoribosyl pyrophosphate synthetase 1

[NPU38743](#)

DNA(spec.)—PRPS1 gene; seq.var. = ?

DNA(specification)—**PRPS1L1 gene;****sequence variation**

name of component: phosphoribosyl pyrophosphate synthetase 1-like 1

[NPU38744](#)

DNA(spec.)—PRPS1L1 gene; seq.var. = ?

DNA(specification)—**PRPS1L2 gene;****sequence variation**

name of component: phosphoribosyl pyrophosphate synthetase 1-like 2

[NPU38745](#)

DNA(spec.)—PRPS1L2 gene; seq.var. = ?

DNA(specification)—**PRPS2 gene;****sequence variation**

name of component: phosphoribosyl pyrophosphate synthetase 2

[NPU38746](#)

DNA(spec.)—PRPS2 gene; seq.var. = ?

DNA(specification)—**PRPSAP1 gene;****sequence variation**

name of component: phosphoribosyl pyrophosphate synthetase-associated protein 1

[NPU38747](#)

DNA(spec.)—PRPSAP1 gene; seq.var. = ?

DNA(specification)—**PRPSAP2 gene;****sequence variation**

name of component: phosphoribosyl pyrophosphate synthetase-associated protein 2

[NPU38748](#)

DNA(spec.)—PRPSAP2 gene; seq.var. = ?

DNA(specification)—**PRR1 gene;****sequence variation**

name of component: proline-rich polypeptide 1 (prostatic)

[NPU38749](#)

DNA(spec.)—PRR1 gene; seq.var. = ?

DNA(specification)—**PRR3 gene;****sequence variation**

name of component: proline-rich polypeptide 3

[NPU47883](#)

DNA(spec.)—PRR3 gene; seq.var. = ?

DNA(specification)—**PRRG1 gene;****sequence variation**

name of component: proline-rich Gla (G-carboxyglutamic acid) polypeptide 1

[NPU38750](#)

DNA(spec.)—PRRG1 gene; seq.var. = ?

DNA(specification)—**PRRG2 gene;****sequence variation**

name of component: proline-rich Gla (G-carboxyglutamic acid) polypeptide 2

[NPU38751](#)

DNA(spec.)—PRRG2 gene; seq.var. = ?

DNA(specification)—**PRS gene;****sequence variation**

name of component: Prieto X-linked mental retardation syndrome

[NPU38752](#)

DNA(spec.)—PRS gene; seq.var. = ?

DNA(specification)—**PRSM2 gene;****sequence variation**

name of component: protease, metallo, 2

[NPU38754](#)

DNA(spec.)—PRSM2 gene; seq.var. = ?

DNA(specification)—**PRSS1 gene;****sequence variation**

name of component: protease, serine, 1 (trypsin 1)

[NPU19176](#)

DNA(spec.)—PRSS1 gene; seq.var. = ?

DNA(specification)—**PRSS11 gene;****sequence variation**

name of component: protease, serine, 11 (IGF binding)

[NPU38755](#)

DNA(spec.)—PRSS11 gene; seq.var. = ?

DNA(specification)—**PRSS12 gene;****sequence variation**

name of component: protease, serine, 12 (neurotrypsin, motopsin)

[NPU38756](#)

DNA(spec.)—PRSS12 gene; seq.var. = ?

DNA(specification)—**PRSS15 gene;****sequence variation**

name of component: protease, serine, 15

[NPU38757](#)

DNA(spec.)—PRSS15 gene; seq.var. = ?

DNA(specification)—**PRSS16 gene;****sequence variation**

name of component: protease, serine, 16 (thymus)

[NPU38758](#)

DNA(spec.)—PRSS16 gene; seq.var. = ?

DNA(specification)—**PRSS2 gene;****sequence variation**

name of component: protease, serine, 2 (trypsin 2)

[NPU38759](#)

DNA(spec.)—PRSS2 gene; seq.var. = ?

DNA(specification)—**PRSS21 gene;****sequence variation**

name of component: protease, serine, 21 (testisin)

[NPU38760](#)

DNA(spec.)—PRSS21 gene; seq.var. = ?

DNA(specification)—**PRSS22 gene;****sequence variation**

name of component: protease, serine, 22

[NPU42702](#)

DNA(spec.)—PRSS22 gene; seq.var. = ?

DNA(specification)—**PRSS25 gene;****sequence variation**

name of component: protease, serine, 25

[NPU42690](#)

DNA(spec.)—PRSS25 gene; seq.var. = ?

DNA(specification)—**PRSS27 gene;****sequence variation**

name of component: protease, serine 27

[NPU43690](#)

DNA(spec.)—PRSS27 gene; seq.var. = ?

DNA(specification)—**PRSS3 gene;****sequence variation**

name of component: protease, serine, 3 (mesotrypsin)

[NPU38761](#)

DNA(spec.)—PRSS3 gene; seq.var. = ?

DNA(specification)—**PRSS7 gene;****sequence variation**

name of component: protease, serine, 7 (enterokinase)

[NPU38762](#)

DNA(spec.)—PRSS7 gene; seq.var. = ?

DNA(specification)—**PRSS8 gene;****sequence variation**

name of component: protease, serine, 8 (prostasin)

[NPU38763](#)

DNA(spec.)—PRSS8 gene; seq.var. = ?

DNA(specification)—**PRTH gene;****sequence variation**

name of component: pituitary resistance to thyroid hormone

[NPU38764](#)

DNA(spec.)—PRTH gene; seq.var. = ?

DNA(specification)—**PRTN3 gene;****sequence variation**

name of component: proteinase 3 (serine proteinase, neutrophil, Wegener granulomatosis autoantigen)

[NPU38765](#)

DNA(spec.)—PRTN3 gene; seq.var. = ?

DNA(specification)—**PRX gene;****sequence variation**

name of component: periaxin

[NPU42325](#)

DNA(spec.)—PRX gene; seq.var. = ?

DNA(specification)—**PRY gene;****sequence variation**

name of component: PTPN13-like, Y-linked

[NPU42458](#)

DNA(spec.)—PRY gene; seq.var. = ?

DNA(specification)—**PSAP gene;****sequence variation**

name of component: prosaposin (variant Gaucher disease and variant metachromatic leukodystrophy)

[NPU19177](#)

DNA(spec.)—PSAP gene; seq.var. = ?

DNA(specification)—**PSAT1 gene;****sequence variation**

name of component: phosphoserine aminotransferase 1

[NPU46879](#)

DNA(spec.)—PSAT1 gene; seq.var. = ?

DNA(specification)—**PSBP1 gene;****sequence variation**

name of component: prostatic steroid binding protein 1

[NPU38766](#)

DNA(spec.)—PSBP1 gene; seq.var. = ?

DNA(specification)—**PSCA gene;****sequence variation**

name of component: prostate stem cell antigen

[NPU38767](#)

DNA(spec.)—PSCA gene; seq.var. = ?

DNA(specification)—**PSCD1 gene;****sequence variation**

name of component: pleckstrin homology, Sec7 and coiled-coil domains 1(cytohesin 1)

[NPU38768](#)

DNA(spec.)—PSCD1 gene; seq.var. = ?

DNA(specification)—**PSCD2 gene;****sequence variation**

name of component: pleckstrin homology, Sec7 and coiled-coil domains 2 (cytohesin-2)

[NPU38769](#)

DNA(spec.)—PSCD2 gene; seq.var. = ?

DNA(specification)—**PSCD2L gene;****sequence variation**

name of component: pleckstrin homology, Sec7 and coiled-coil domains 2-like

[NPU38770](#)

DNA(spec.)—PSCD2L gene; seq.var. = ?

DNA(specification)—**PSCD3 gene;****sequence variation**

name of component: pleckstrin homology, Sec7 and coiled-coil domains 3

[NPU38771](#)

DNA(spec.)—PSCD3 gene; seq.var. = ?

DNA(specification)—**PSCD4 gene;****sequence variation**

name of component: pleckstrin homology, Sec7 and coiled-coil domains 4

[NPU38772](#)

DNA(spec.)—PSCD4 gene; seq.var. = ?

DNA(specification)—**PSCDBP gene;****sequence variation**

name of component: pleckstrin homology, Sec7 and coiled-coil domains, binding protein

[NPU38773](#)

DNA(spec.)—PSCDBP gene; seq.var. = ?

DNA(specification)—**PSD gene;****sequence variation**

name of component: pleckstrin and Sec7 domain protein

[NPU38774](#)

DNA(spec.)—PSD gene; seq.var. = ?

DNA(specification)—**PSEN1 gene;****sequence variation**

name of component: presenilin 1 (Alzheimer disease 3)

[NPU38775](#)

DNA(spec.)—PSEN1 gene; seq.var. = ?

DNA(specification)—**PSEN2 gene;****sequence variation**

name of component: presenilin 2 (Alzheimer disease 4)

[NPU38776](#)

DNA(spec.)—PSEN2 gene; seq.var. = ?

DNA(specification)—**PSF1 gene;****sequence variation**

name of component: protein spot in 2-D gels 24 kDa

[NPU38777](#)

DNA(spec.)—PSF1 gene; seq.var. = ?

DNA(specification)—**PSF2 gene;****sequence variation**

name of component: protein spot in 2-D gels 27 kDa

[NPU38778](#)

DNA(spec.)—PSF2 gene; seq.var. = ?

DNA(specification)—**PSF3 gene;****sequence variation**

name of component: protein spot in 2-D gels 37 kDa

[NPU38779](#)

DNA(spec.)—PSF3 gene; seq.var. = ?

DNA(specification)—**PSF4 gene;****sequence variation**

name of component: protein spot in 2-D gels 40 kDa

[NPU38780](#)

DNA(spec.)—PSF4 gene; seq.var. = ?

DNA(specification)—**PSG1 gene;****sequence variation**

name of component: pregnancy specific beta-1-glycoprotein 1

[NPU38781](#)

DNA(spec.)—PSG1 gene; seq.var. = ?

DNA(specification)—**PSG10 gene;****sequence variation**

name of component: pregnancy specific beta-1-glycoprotein 10

[NPU38782](#)

DNA(spec.)—PSG10 gene; seq.var. = ?

DNA(specification)—**PSG11 gene;****sequence variation**

name of component: pregnancy specific beta-1-glycoprotein 11

[NPU38783](#)

DNA(spec.)—PSG11 gene; seq.var. = ?

DNA(specification)—**PSG2 gene;****sequence variation**

name of component: pregnancy specific beta-1-glycoprotein 2

[NPU38784](#)

DNA(spec.)—PSG2 gene; seq.var. = ?

DNA(specification)—**PSG3 gene;****sequence variation**

name of component: pregnancy specific beta-1-glycoprotein 3

[NPU38785](#)

DNA(spec.)—PSG3 gene; seq.var. = ?

DNA(specification)—**PSG4 gene;****sequence variation**

name of component: pregnancy specific beta-1-glycoprotein 4

[NPU38786](#)

DNA(spec.)—PSG4 gene; seq.var. = ?

DNA(specification)—**PSG5 gene;****sequence variation**

name of component: pregnancy specific beta-1-glycoprotein 5

[NPU38787](#)

DNA(spec.)—PSG5 gene; seq.var. = ?

DNA(specification)—**PSG6 gene;****sequence variation**

name of component: pregnancy specific beta-1-glycoprotein 6

[NPU38788](#)

DNA(spec.)—PSG6 gene; seq.var. = ?

DNA(specification)—**PSG7 gene;****sequence variation**

name of component: pregnancy specific beta-1-glycoprotein 7

[NPU38789](#)

DNA(spec.)—PSG7 gene; seq.var. = ?

DNA(specification)—**PSG8 gene;****sequence variation**

name of component: pregnancy specific beta-1-glycoprotein 8

[NPU38790](#)

DNA(spec.)—PSG8 gene; seq.var. = ?

DNA(specification)—**PSG9 gene;****sequence variation**

name of component: pregnancy specific beta-1-glycoprotein 9

[NPU38791](#)

DNA(spec.)—PSG9 gene; seq.var. = ?

DNA(specification)—**PSIP1 gene;****sequence variation**

name of component: PC4 and SFRS1 interacting protein 1

[NPU38792](#)

DNA(spec.)—PSIP1 gene; seq.var. = ?

DNA(specification)—**PSIP2 gene;****sequence variation**

name of component: PC4 and SFRS1 interacting protein 2

[NPU38793](#)

DNA(spec.)—PSIP2 gene; seq.var. = ?

DNA(specification)—**PSKH1 gene;****sequence variation**

name of component: protein serine kinase H1

[NPU38794](#)

DNA(spec.)—PSKH1 gene; seq.var. = ?

DNA(specification)—**PSMA1 gene;****sequence variation**

name of component: proteasome (prosome, macropain) subunit, alpha type, 1

[NPU38795](#)

DNA(spec.)—PSMA1 gene; seq.var. = ?

DNA(specification)—**PSMA2 gene;****sequence variation**

name of component: proteasome (prosome, macropain) subunit, alpha type, 2

[NPU38796](#)

DNA(spec.)—PSMA2 gene; seq.var. = ?

DNA(specification)—**PSMA3 gene;****sequence variation**

name of component: proteasome (prosome, macropain) subunit, alpha type, 3

[NPU38797](#)

DNA(spec.)—PSMA3 gene; seq.var. = ?

DNA(specification)—**PSMA3P gene;****sequence variation**

name of component: proteasome (prosome, macropain) subunit, alpha type, 3 pseudogene

[NPU47373](#)

DNA(spec.)—PSMA3P gene; seq.var. = ?

DNA(specification)—**PSMA4 gene;****sequence variation**

name of component: proteasome (prosome, macropain) subunit, alpha type, 4

[NPU38798](#)

DNA(spec.)—PSMA4 gene; seq.var. = ?

DNA(specification)—**PSMA5 gene;****sequence variation**

name of component: proteasome (prosome, macropain) subunit, alpha type, 5

[NPU38799](#)

DNA(spec.)—PSMA5 gene; seq.var. = ?

DNA(specification)—**PSMA6 gene;****sequence variation**

name of component: proteasome (prosome, macropain) subunit, alpha type, 6

[NPU38800](#)

DNA(spec.)—PSMA6 gene; seq.var. = ?

DNA(specification)—**PSMA6P gene;****sequence variation**

name of component: proteasome (prosome, macropain) subunit, alpha type, 6 pseudogene

[NPU46031](#)

DNA(spec.)—PSMA6P gene; seq.var. = ?

DNA(specification)—**PSMA7 gene;****sequence variation**

name of component: proteasome (prosome, macropain) subunit, alpha type, 7

[NPU38801](#)

DNA(spec.)—PSMA7 gene; seq.var. = ?

DNA(specification)—**PSMA7P gene;****sequence variation**

name of component: proteasome (prosome, macropain) subunit, alpha type, 7 pseudogene

[NPU47689](#)

DNA(spec.)—PSMA7P gene; seq.var. = ?

DNA(specification)—**PSMB1 gene;****sequence variation**

name of component: proteasome (prosome, macropain) subunit, beta type, 1

[NPU38802](#)

DNA(spec.)—PSMB1 gene; seq.var. = ?

DNA(specification)—**PSMB10 gene;****sequence variation**

name of component: proteasome (prosome, macropain) subunit, beta type, 10

[NPU38803](#)

DNA(spec.)—PSMB10 gene; seq.var. = ?

DNA(specification)—**PSMB2 gene;****sequence variation**

name of component: proteasome (prosome, macropain) subunit, beta type, 2

[NPU38804](#)

DNA(spec.)—PSMB2 gene; seq.var. = ?

DNA(specification)—**PSMB3 gene;****sequence variation**

name of component: proteasome (prosome, macropain) subunit, beta type, 3

[NPU38805](#)

DNA(spec.)—PSMB3 gene; seq.var. = ?

DNA(specification)—**PSMB3P gene;****sequence variation**

name of component: proteasome (prosome, macropain) subunit, beta type, 3 pseudogene

[NPU47691](#)

DNA(spec.)—PSMB3P gene; seq.var. = ?

DNA(specification)—**PSMB4 gene;****sequence variation**

name of component: proteasome (prosome, macropain) subunit, beta type, 4

[NPU38806](#)

DNA(spec.)—PSMB4 gene; seq.var. = ?

DNA(specification)—**PSMB5 gene;****sequence variation**

name of component: proteasome (prosome, macropain) subunit, beta type, 5

[NPU38807](#)

DNA(spec.)—PSMB5 gene; seq.var. = ?

DNA(specification)—**PSMB6 gene;****sequence variation**

name of component: proteasome (prosome, macropain) subunit, beta type, 6

[NPU38808](#)

DNA(spec.)—PSMB6 gene; seq.var. = ?

DNA(specification)—**PSMB7 gene;****sequence variation**

name of component: proteasome (prosome, macropain) subunit, beta type, 7

[NPU38809](#)

DNA(spec.)—PSMB7 gene; seq.var. = ?

DNA(specification)—**PSMB8 gene;****sequence variation**

name of component: proteasome (prosome, macropain) subunit, beta type, 8 (large multifunctional protease 7)

[NPU38810](#)

DNA(spec.)—PSMB8 gene; seq.var. = ?

DNA(specification)—**PSMB8 gene;****taxon**

[NPU22018](#)

DNA(spec.)—PSMB8 gene; taxon = ?

DNA(specification)—**PSMB9 gene;****sequence variation**

name of component: proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional protease 2)

[NPU38811](#)

DNA(spec.)—PSMB9 gene; seq.var. = ?

DNA(specification)—**PSMB9 gene;****taxon**

[NPU22017](#)

DNA(spec.)—PSMB9 gene; taxon = ?

DNA(specification)—**PSMC1 gene;****sequence variation**

name of component: proteasome (prosome, macropain) 26S subunit, ATPase, 1

[NPU38812](#)

DNA(spec.)—PSMC1 gene; seq.var. = ?

DNA(specification)—**PSMC2 gene;****sequence variation**

name of component: proteasome (prosome, macropain) 26S subunit, ATPase, 2

[NPU38813](#)

DNA(spec.)—PSMC2 gene; seq.var. = ?

DNA(specification)—**PSMC3 gene;****sequence variation**

name of component: proteasome (prosome, macropain) 26S subunit, ATPase, 3

[NPU38814](#)

DNA(spec.)—PSMC3 gene; seq.var. = ?

DNA(specification)—**PSMC3P gene;****sequence variation**

name of component: proteasome (prosome, macropain) 26S subunit, ATPase, 3 pseudogene

[NPU38815](#)

DNA(spec.)—PSMC3P gene; seq.var. = ?

DNA(specification)—**PSMC4 gene;****sequence variation**

name of component: proteasome (prosome, macropain) 26S subunit, ATPase, 4

[NPU38816](#)

DNA(spec.)—PSMC4 gene; seq.var. = ?

DNA(specification)—**PSMC5 gene;****sequence variation**

name of component: proteasome (prosome, macropain) 26S subunit, ATPase, 5

[NPU38817](#)

DNA(spec.)—PSMC5 gene; seq.var. = ?

DNA(specification)—**PSMC6 gene;****sequence variation**

name of component: proteasome (prosome, macropain) 26S subunit, ATPase, 6

[NPU38818](#)

DNA(spec.)—PSMC6 gene; seq.var. = ?

DNA(specification)—**PSMC6P gene;****sequence variation**

name of component: proteasome (prosome, macropain) 26S subunit, ATPase, 6 pseudogene

[NPU47692](#)

DNA(spec.)—PSMC6P gene; seq.var. = ?

DNA(specification)—**PSMD1 gene;****sequence variation**

name of component: proteasome (prosome, macropain) 26S subunit, non-ATPase, 1

[NPU38819](#)

DNA(spec.)—PSMD1 gene; seq.var. = ?

DNA(specification)—**PSMD10 gene;****sequence variation**

name of component: proteasome (prosome, macropain) 26S subunit, non-ATPase, 10

[NPU38820](#)

DNA(spec.)—PSMD10 gene; seq.var. = ?

DNA(specification)—**PSMD10P gene;****sequence variation**

name of component: proteasome (prosome, macropain) 26S subunit, non-ATPase, 10 pseudogene

[NPU44582](#)

DNA(spec.)—PSMD10P gene; seq.var. = ?

DNA(specification)—**PSMD11 gene;****sequence variation**

name of component: proteasome (prosome, macropain) 26S subunit, non-ATPase, 11

[NPU38821](#)

DNA(spec.)—PSMD11 gene; seq.var. = ?

DNA(specification)—**PSMD12 gene;****sequence variation**

name of component: proteasome (prosome, macropain) 26S subunit, non-ATPase, 12

[NPU38822](#)

DNA(spec.)—PSMD12 gene; seq.var. = ?

DNA(specification)—**PSMD13 gene;****sequence variation**

name of component: proteasome (prosome, macropain) 26S subunit, non-ATPase, 13

[NPU38823](#)

DNA(spec.)—PSMD13 gene; seq.var. = ?

DNA(specification)—**PSMD14 gene;****sequence variation**

name of component: proteasome (prosome, macropain) 26S subunit, non-ATPase, 14

[NPU44761](#)

DNA(spec.)—PSMD14 gene; seq.var. = ?

DNA(specification)—**PSMD2 gene;****sequence variation**

name of component: proteasome (prosome, macropain) 26S subunit, non-ATPase, 2

[NPU38824](#)

DNA(spec.)—PSMD2 gene; seq.var. = ?

DNA(specification)—**PSMD3 gene;****sequence variation**

name of component: proteasome (prosome, macropain) 26S subunit, non-ATPase, 3

[NPU38825](#)

DNA(spec.)—PSMD3 gene; seq.var. = ?

DNA(specification)—**PSMD4 gene;****sequence variation**

name of component: proteasome (prosome, macropain) 26S subunit, non-ATPase, 4

[NPU38826](#)

DNA(spec.)—PSMD4 gene; seq.var. = ?

DNA(specification)—**PSMD4P gene;****sequence variation**

name of component: proteasome (prosome, macropain) 26S subunit, non-ATPase, 4, pseudogene

[NPU38827](#)

DNA(spec.)—PSMD4P gene; seq.var. = ?

DNA(specification)—**PSMD5 gene;****sequence variation**

name of component: proteasome (prosome, macropain) 26S subunit, non-ATPase, 5

[NPU38828](#)

DNA(spec.)—PSMD5 gene; seq.var. = ?

DNA(specification)—**PSMD6 gene;****sequence variation**

name of component: proteasome (prosome, macropain) 26S subunit, non-ATPase, 6

[NPU38829](#)

DNA(spec.)—PSMD6 gene; seq.var. = ?

DNA(specification)—**PSMD7 gene;****sequence variation**

name of component: proteasome (prosome, macropain) 26S subunit, non-ATPase, 7 (Mov34 homolog)

[NPU38830](#)

DNA(spec.)—PSMD7 gene; seq.var. = ?

DNA(specification)—**PSMD8 gene;****sequence variation**

name of component: proteasome (prosome, macropain) 26S subunit, non-ATPase, 8

[NPU38831](#)

DNA(spec.)—PSMD8 gene; seq.var. = ?

DNA(specification)—**PSMD9 gene;****sequence variation**

name of component: proteasome (prosome, macropain) 26S subunit, non-ATPase, 9

[NPU38832](#)

DNA(spec.)—PSMD9 gene; seq.var. = ?

DNA(specification)—**PSME1 gene;****sequence variation**

name of component: proteasome (prosome, macropain) activator subunit 1 (PA28 alpha)

[NPU38833](#)

DNA(spec.)—PSME1 gene; seq.var. = ?

DNA(specification)—**PSME2 gene;****sequence variation**

name of component: proteasome (prosome, macropain) activator subunit 2 (PA28 beta)

[NPU38834](#)

DNA(spec.)—PSME2 gene; seq.var. = ?

DNA(specification)—**PSME2P gene;****sequence variation**

name of component: proteasome (prosome, macropain) activator subunit 2 pseudogene

[NPU47690](#)

DNA(spec.)—PSME2P gene; seq.var. = ?

DNA(specification)—**PSME3 gene;****sequence variation**

name of component: proteasome (prosome, macropain) activator subunit 3 (PA28 gamma; Ki)

[NPU38835](#)

DNA(spec.)—PSME3 gene; seq.var. = ?

DNA(specification)—**PSME4 gene;****sequence variation**

name of component: proteasome (prosome, macropain) activator subunit 4

[NPU47693](#)

DNA(spec.)—PSME4 gene; seq.var. = ?

DNA(specification)—**PSMF1 gene;****sequence variation**

name of component: proteasome (prosome, macropain) inhibitor subunit 1 (PI31)

[NPU38836](#)

DNA(spec.)—PSMF1 gene; seq.var. = ?

DNA(specification)—
PSORS1 gene;
sequence variation
name of component: psoriasis susceptibility 1
[NPU38837](#)
DNA(spec.)—PSORS1 gene; seq.var. = ?

DNA(specification)—
PSORS1C1 gene;
sequence variation
name of component: psoriasis susceptibility 1 candidate 1
[NPU44914](#)
DNA(spec.)—PSORS1C1 gene; seq.var. = ?

DNA(specification)—
PSORS1C2 gene;
sequence variation
name of component: psoriasis susceptibility 1 candidate 2
[NPU44912](#)
DNA(spec.)—PSORS1C2 gene; seq.var. = ?

DNA(specification)—
PSORS1C3 gene;
sequence variation
name of component: psoriasis susceptibility 1 candidate 3
[NPU44915](#)
DNA(spec.)—PSORS1C3 gene; seq.var. = ?

DNA(specification)—
PSORS2 gene;
sequence variation
name of component: psoriasis susceptibility 2
[NPU38838](#)
DNA(spec.)—PSORS2 gene; seq.var. = ?

DNA(specification)—
PSORS3 gene;
sequence variation
name of component: psoriasis susceptibility 3
[NPU38839](#)
DNA(spec.)—PSORS3 gene; seq.var. = ?

DNA(specification)—
PSORS4 gene;
sequence variation
name of component: psoriasis susceptibility 4
[NPU44946](#)
DNA(spec.)—PSORS4 gene; seq.var. = ?

DNA(specification)—
PSORS5 gene;
sequence variation
name of component: psoriasis susceptibility 5
[NPU46191](#)
DNA(spec.)—PSORS5 gene; seq.var. = ?

DNA(specification)—
PSORS7 gene;
sequence variation
name of component: psoriasis susceptibility 7
[NPU42590](#)
DNA(spec.)—PSORS7 gene; seq.var. = ?

DNA(specification)—
PSORS8 gene;
sequence variation
name of component: psoriasis susceptibility 8
[NPU44977](#)
DNA(spec.)—PSORS8 gene; seq.var. = ?

DNA(specification)—
PSPC1 gene;
sequence variation
name of component: paraspeckle component 1
[NPU47552](#)
DNA(spec.)—PSPC1 gene; seq.var. = ?

DNA(specification)—
PSPH gene;
sequence variation
name of component: phosphoserine phosphatase
[NPU38840](#)
DNA(spec.)—PSPH gene; seq.var. = ?

DNA(specification)—
PSPHL gene;
sequence variation
name of component: phosphoserine phosphatase-like
[NPU38841](#)
DNA(spec.)—PSPHL gene; seq.var. = ?

DNA(specification)—
PSPN gene;
sequence variation
name of component: persephin
[NPU38842](#)
DNA(spec.)—PSPN gene; seq.var. = ?

DNA(specification)—
PSTPIP1 gene;
sequence variation
name of component: proline-serine-threonine phosphatase interacting protein 1
[NPU38843](#)
DNA(spec.)—PSTPIP1 gene; seq.var. = ?

DNA(specification)—
PSTPIP2 gene;
sequence variation
name of component: proline-serine-threonine phosphatase interacting protein 2
[NPU38844](#)
DNA(spec.)—PSTPIP2 gene; seq.var. = ?

DNA(specification)—**PTAFR gene;****sequence variation**

name of component: platelet-activating factor receptor

[NPU38845](#)

DNA(spec.)—PTAFR gene; seq.var. = ?

DNA(specification)—**PTBP1 gene;****sequence variation**

name of component: polypyrimidine tract binding protein 1

[NPU38846](#)

DNA(spec.)—PTBP1 gene; seq.var. = ?

DNA(specification)—**PTBP1P gene;****sequence variation**

name of component: polypyrimidine tract binding protein 1 pseudogene

[NPU47374](#)

DNA(spec.)—PTBP1P gene; seq.var. = ?

DNA(specification)—**PTBP2 gene;****sequence variation**

name of component: polypyrimidine tract binding protein 2

[NPU46071](#)

DNA(spec.)—PTBP2 gene; seq.var. = ?

DNA(specification)—**PTC gene;****sequence variation**

name of component: phenylthiocarbamide tasting

[NPU38847](#)

DNA(spec.)—PTC gene; seq.var. = ?

DNA(specification)—**PTCH gene;****sequence variation**

name of component: patched homolog (Drosophila)

[NPU38848](#)

DNA(spec.)—PTCH gene; seq.var. = ?

DNA(specification)—**PTCH2 gene;****sequence variation**

name of component: patched homolog 2 (Drosophila)

[NPU38849](#)

DNA(spec.)—PTCH2 gene; seq.var. = ?

DNA(specification)—**PTDSR gene;****sequence variation**

name of component: phosphatidylserine receptor

[NPU46992](#)

DNA(spec.)—PTDSR gene; seq.var. = ?

DNA(specification)—**PTDSS1 gene;****sequence variation**

name of component: phosphatidylserine synthase 1

[NPU38850](#)

DNA(spec.)—PTDSS1 gene; seq.var. = ?

DNA(specification)—**PTDSS2 gene;****sequence variation**

name of component: phosphatidylserine synthase 2

[NPU43678](#)

DNA(spec.)—PTDSS2 gene; seq.var. = ?

DNA(specification)—**PTE1 gene;****sequence variation**

name of component: peroxisomal acyl-CoA thioesterase

[NPU44001](#)

DNA(spec.)—PTE1 gene; seq.var. = ?

DNA(specification)—**PTEN gene;****sequence variation**

name of component: phosphatase and tensin homolog (mutated in multiple advanced cancers 1)

[NPU38851](#)

DNA(spec.)—PTEN gene; seq.var. = ?

DNA(specification)—**PTENP1 gene;****sequence variation**

name of component: phosphatase and tensin homolog (mutated in multiple advanced cancers 1), pseudogene 1

[NPU38852](#)

DNA(spec.)—PTENP1 gene; seq.var. = ?

DNA(specification)—**PTER gene;****sequence variation**

name of component: phosphotriesterase related

[NPU38853](#)

DNA(spec.)—PTER gene; seq.var. = ?

DNA(specification)—**PTGDR gene;****sequence variation**

name of component: prostaglandin D2 receptor (DP)

[NPU38854](#)

DNA(spec.)—PTGDR gene; seq.var. = ?

DNA(specification)—**PTGDS gene;****sequence variation**

name of component: prostaglandin D2 synthase 21 kDa (brain)

[NPU38855](#)

DNA(spec.)—PTGDS gene; seq.var. = ?

DNA(specification)—**PTGER1 gene;****sequence variation**

name of component: prostaglandin E receptor 1 (subtype EP1), 42 kDa

[NPU38856](#)

DNA(spec.)—PTGER1 gene; seq.var. = ?

DNA(specification)—**PTGER2 gene;****sequence variation**

name of component: prostaglandin E receptor 2 (subtype EP2), 53 kDa

[NPU38857](#)

DNA(spec.)—PTGER2 gene; seq.var. = ?

DNA(specification)—**PTGER3 gene;****sequence variation**

name of component: prostaglandin E receptor 3 (subtype EP3)

[NPU38858](#)

DNA(spec.)—PTGER3 gene; seq.var. = ?

DNA(specification)—**PTGER4 gene;****sequence variation**

name of component: prostaglandin E receptor 4 (subtype EP4)

[NPU38859](#)

DNA(spec.)—PTGER4 gene; seq.var. = ?

DNA(specification)—**PTGER4P1 gene;****sequence variation**

name of component: prostaglandin E receptor 4 (subtype EP4) pseudogene 1

[NPU38860](#)

DNA(spec.)—PTGER4P1 gene; seq.var. = ?

DNA(specification)—**PTGER4P2 gene;****sequence variation**

name of component: prostaglandin E receptor 4 (subtype EP4) pseudogene 2

[NPU38861](#)

DNA(spec.)—PTGER4P2 gene; seq.var. = ?

DNA(specification)—**PTGES gene;****sequence variation**

name of component: prostaglandin E synthase

[NPU38862](#)

DNA(spec.)—PTGES gene; seq.var. = ?

DNA(specification)—**PTGES2 gene;****sequence variation**

name of component: prostaglandin E synthase 2

[NPU46120](#)

DNA(spec.)—PTGES2 gene; seq.var. = ?

DNA(specification)—**PTGFR gene;****sequence variation**

name of component: prostaglandin F receptor (FP)

[NPU38863](#)

DNA(spec.)—PTGFR gene; seq.var. = ?

DNA(specification)—**PTGFRN gene;****sequence variation**

name of component: prostaglandin F2 receptor negative regulator

[NPU38864](#)

DNA(spec.)—PTGFRN gene; seq.var. = ?

DNA(specification)—**PTGIR gene;****sequence variation**

name of component: prostaglandin I2 (prostacyclin) receptor (IP)

[NPU38865](#)

DNA(spec.)—PTGIR gene; seq.var. = ?

DNA(specification)—**PTGIS gene;****sequence variation**

name of component: prostaglandin I2 (prostacyclin) synthase

[NPU38866](#)

DNA(spec.)—PTGIS gene; seq.var. = ?

DNA(specification)—**PTGS1 gene;****sequence variation**

name of component: prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase)

[NPU38867](#)

DNA(spec.)—PTGS1 gene; seq.var. = ?

DNA(specification)—**PTGS2 gene;****sequence variation**

name of component: prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)

[NPU38868](#)

DNA(spec.)—PTGS2 gene; seq.var. = ?

DNA(specification)—**PTH gene;****sequence variation**

name of component: parathyroid hormone

[NPU38869](#)

DNA(spec.)—PTH gene; seq.var. = ?

DNA(specification)—**PTHLH gene;****sequence variation**

name of component: parathyroid hormone-like hormone

[NPU38870](#)

DNA(spec.)—PTHLH gene; seq.var. = ?

DNA(specification)—**PTH1R gene;****sequence variation**

name of component: parathyroid hormone receptor 1

[NPU38871](#)

DNA(spec.)—PTH1R gene; seq.var. = ?

DNA(specification)—**PTH2R gene;****sequence variation**

name of component: parathyroid hormone receptor 2

[NPU38872](#)

DNA(spec.)—PTH2R gene; seq.var. = ?

DNA(specification)—**PTK2 gene;****sequence variation**

name of component: PTK2 protein tyrosine kinase 2

[NPU38873](#)

DNA(spec.)—PTK2 gene; seq.var. = ?

DNA(specification)—**PTK2B gene;****sequence variation**

name of component: PTK2B protein tyrosine kinase 2 beta

[NPU38874](#)

DNA(spec.)—PTK2B gene; seq.var. = ?

DNA(specification)—**PTK3B gene;****sequence variation**

name of component: PTK3B protein tyrosine kinase 3B

[NPU38875](#)

DNA(spec.)—PTK3B gene; seq.var. = ?

DNA(specification)—**PTK5 gene;****sequence variation**

name of component: PTK5 protein tyrosine kinase 5

[NPU38876](#)

DNA(spec.)—PTK5 gene; seq.var. = ?

DNA(specification)—**PTK6 gene;****sequence variation**

name of component: PTK6 protein tyrosine kinase 6

[NPU38877](#)

DNA(spec.)—PTK6 gene; seq.var. = ?

DNA(specification)—**PTK7 gene;****sequence variation**

name of component: PTK7 protein tyrosine kinase 7

[NPU38878](#)

DNA(spec.)—PTK7 gene; seq.var. = ?

DNA(specification)—**PTK8 gene;****sequence variation**

name of component: PTK8 protein tyrosine kinase 8

[NPU38879](#)

DNA(spec.)—PTK8 gene; seq.var. = ?

DNA(specification)—**PTK9 gene;****sequence variation**

name of component: PTK9 protein tyrosine kinase 9

[NPU38880](#)

DNA(spec.)—PTK9 gene; seq.var. = ?

DNA(specification)—**PTK9L gene;****sequence variation**

name of component: PTK9L protein tyrosine kinase 9-like (A6-related protein)

[NPU38881](#)

DNA(spec.)—PTK9L gene; seq.var. = ?

DNA(specification)—**PTLAH gene;****sequence variation**

name of component: patella aplasia-hypoplasia

[NPU38882](#)

DNA(spec.)—PTLAH gene; seq.var. = ?

DNA(specification)—**PTMA gene;****sequence variation**

name of component: prothymosin, alpha (gene sequence 28)

[NPU38883](#)

DNA(spec.)—PTMA gene; seq.var. = ?

DNA(specification)—**PTMAP1 gene;****sequence variation**

name of component: prothymosin, alpha pseudogene 1 (gene sequence 26)

[NPU38884](#)

DNA(spec.)—PTMAP1 gene; seq.var. = ?

DNA(specification)—**PTMAP2 gene;****sequence variation**

name of component: prothymosin, alpha pseudogene 2 (gene sequence 32)

[NPU38885](#)

DNA(spec.)—PTMAP2 gene; seq.var. = ?

DNA(specification)—**PTMAP3 gene;****sequence variation**

name of component: prothymosin, alpha pseudogene 3 (gene sequence 34)

[NPU38886](#)

DNA(spec.)—PTMAP3 gene; seq.var. = ?

DNA(specification)—**PTMAP4 gene;****sequence variation**

name of component: prothymosin, alpha pseudogene 4 (gene sequence 112)

[NPU38887](#)

DNA(spec.)—PTMAP4 gene; seq.var. = ?

DNA(specification)—**PTMAP5 gene;****sequence variation**

name of component: prothymosin, alpha pseudogene 5 (gene sequence 150)

[NPU38888](#)

DNA(spec.)—PTMAP5 gene; seq.var. = ?

DNA(specification)—**PTMAP6 gene;****sequence variation**

name of component: prothymosin, alpha pseudogene 6

[NPU44554](#)

DNA(spec.)—PTMAP6 gene; seq.var. = ?

DNA(specification)—**PTMAP7 gene;****sequence variation**

name of component: prothymosin, alpha pseudogene 7

[NPU47375](#)

DNA(spec.)—PTMAP7 gene; seq.var. = ?

DNA(specification)—**PTMS gene;****sequence variation**

name of component: parathymosin

[NPU38889](#)

DNA(spec.)—PTMS gene; seq.var. = ?

DNA(specification)—**PTN gene;****sequence variation**

name of component: pleiotrophin (heparin binding growth factor 8, neurite growth-promoting factor 1)

[NPU38890](#)

DNA(spec.)—PTN gene; seq.var. = ?

DNA(specification)—**PTOS1 gene;****sequence variation**

name of component: ptosis, congenital 1 (autosomal dominant)

[NPU38891](#)

DNA(spec.)—PTOS1 gene; seq.var. = ?

DNA(specification)—**PTOV1 gene;****sequence variation**

name of component: prostate tumor over expressed gene 1

[NPU38892](#)

DNA(spec.)—PTOV1 gene; seq.var. = ?

DNA(specification)—**PTP4A1 gene;****sequence variation**

name of component: protein tyrosine phosphatase type IVA, member 1

[NPU38893](#)

DNA(spec.)—PTP4A1 gene; seq.var. = ?

DNA(specification)—**PTP4A2 gene;****sequence variation**

name of component: protein tyrosine phosphatase
type IVA, member 2

[NPU38894](#)

DNA(spec.)—PTP4A2 gene; seq.var. = ?

DNA(specification)—**PTP4A3 gene;****sequence variation**

name of component: protein tyrosine phosphatase
type IVA, member 3

[NPU38895](#)

DNA(spec.)—PTP4A3 gene; seq.var. = ?

DNA(specification)—**PTP4AP1 gene;****sequence variation**

name of component: protein tyrosine phosphatase
type IVA pseudogene 1

[NPU38896](#)

DNA(spec.)—PTP4AP1 gene; seq.var. = ?

DNA(specification)—**PTP4AP2 gene;****sequence variation**

name of component: protein tyrosine phosphatase
type IVA pseudogene 2

[NPU38897](#)

DNA(spec.)—PTP4AP2 gene; seq.var. = ?

DNA(specification)—**PTPLA gene;****sequence variation**

name of component: protein tyrosine phosphatase-
like (proline instead of catalytic arginine), member
a

[NPU38898](#)

DNA(spec.)—PTPLA gene; seq.var. = ?

DNA(specification)—**PTPLB gene;****sequence variation**

name of component: protein tyrosine phosphatase-
like (proline instead of catalytic arginine), member
b

[NPU38899](#)

DNA(spec.)—PTPLB gene; seq.var. = ?

DNA(specification)—**PTPLC gene;****sequence variation**

name of component: protein tyrosine phosphatase-
like (proline instead of catalytic arginine), member
c

[NPU38900](#)

DNA(spec.)—PTPLC gene; seq.var. = ?

DNA(specification)—**PTPN1 gene;****sequence variation**

name of component: protein tyrosine phosphatase,
non-receptor type 1

[NPU38901](#)

DNA(spec.)—PTPN1 gene; seq.var. = ?

DNA(specification)—**PTPN11 gene;****sequence variation**

name of component: protein tyrosine phosphatase,
non-receptor type 11 (Noonan syndrome 1)

[NPU38902](#)

DNA(spec.)—PTPN11 gene; seq.var. = ?

DNA(specification)—**PTPN12 gene;****sequence variation**

name of component: protein tyrosine phosphatase,
non-receptor type 12

[NPU38903](#)

DNA(spec.)—PTPN12 gene; seq.var. = ?

DNA(specification)—**PTPN13 gene;****sequence variation**

name of component: protein tyrosine phosphatase,
non-receptor type 13 (APO-1/CD95 (Fas)-
associated phosphatase)

[NPU38904](#)

DNA(spec.)—PTPN13 gene; seq.var. = ?

DNA(specification)—**PTPN14 gene;****sequence variation**

name of component: protein tyrosine phosphatase,
non-receptor type 14

[NPU38905](#)

DNA(spec.)—PTPN14 gene; seq.var. = ?

DNA(specification)—**PTPN17 gene;****sequence variation**

name of component: protein tyrosine phosphatase,
non-receptor type 17

[NPU38906](#)

DNA(spec.)—PTPN17 gene; seq.var. = ?

DNA(specification)—**PTPN18 gene;****sequence variation**

name of component: protein tyrosine phosphatase,
non-receptor type 18 (brain-derived)

[NPU38907](#)

DNA(spec.)—PTPN18 gene; seq.var. = ?

DNA(specification)—**PTPN2 gene;****sequence variation**

name of component: protein tyrosine phosphatase,
non-receptor type 2

[NPU38908](#)

DNA(spec.)—PTPN2 gene; seq.var. = ?

DNA(specification)—**PTPN21 gene;****sequence variation**

name of component: protein tyrosine phosphatase,
non-receptor type 21

[NPU38909](#)

DNA(spec.)—PTPN21 gene; seq.var. = ?

DNA(specification)—**PTPN22 gene;****sequence variation**

name of component: protein tyrosine phosphatase,
non-receptor type 22 (lymphoid)

[NPU38910](#)

DNA(spec.)—PTPN22 gene; seq.var. = ?

DNA(specification)—**PTPN23 gene;****sequence variation**

name of component: protein tyrosine phosphatase,
non-receptor type 23

[NPU42731](#)

DNA(spec.)—PTPN23 gene; seq.var. = ?

DNA(specification)—**PTPN2P1 gene;****sequence variation**

name of component: protein tyrosine phosphatase,
non-receptor type 2 (pseudogene 1)

[NPU38911](#)

DNA(spec.)—PTPN2P1 gene; seq.var. = ?

DNA(specification)—**PTPN2P2 gene;****sequence variation**

name of component: protein tyrosine phosphatase,
non-receptor type 2 (pseudogene 2)

[NPU38912](#)

DNA(spec.)—PTPN2P2 gene; seq.var. = ?

DNA(specification)—**PTPN3 gene;****sequence variation**

name of component: protein tyrosine phosphatase,
non-receptor type 3

[NPU38913](#)

DNA(spec.)—PTPN3 gene; seq.var. = ?

DNA(specification)—**PTPN4 gene;****sequence variation**

name of component: protein tyrosine phosphatase,
non-receptor type 4 (megakaryocyte)

[NPU38914](#)

DNA(spec.)—PTPN4 gene; seq.var. = ?

DNA(specification)—**PTPN5 gene;****sequence variation**

name of component: protein tyrosine phosphatase,
non-receptor type 5 (striatum-enriched)

[NPU38915](#)

DNA(spec.)—PTPN5 gene; seq.var. = ?

DNA(specification)—**PTPN6 gene;****sequence variation**

name of component: protein tyrosine phosphatase,
non-receptor type 6

[NPU38916](#)

DNA(spec.)—PTPN6 gene; seq.var. = ?

DNA(specification)—**PTPN7 gene;****sequence variation**

name of component: protein tyrosine phosphatase,
non-receptor type 7

[NPU38917](#)

DNA(spec.)—PTPN7 gene; seq.var. = ?

DNA(specification)—**PTPN8 gene;****sequence variation**

name of component: protein tyrosine phosphatase,
non-receptor type 8

[NPU38918](#)

DNA(spec.)—PTPN8 gene; seq.var. = ?

DNA(specification)—**PTPN9 gene;****sequence variation**

name of component: protein tyrosine phosphatase,
non-receptor type 9

[NPU38919](#)

DNA(spec.)—PTPN9 gene; seq.var. = ?

DNA(specification)—**PTPNS1 gene;****sequence variation**

name of component: protein tyrosine phosphatase,
non-receptor type substrate 1

[NPU38920](#)

DNA(spec.)—PTPNS1 gene; seq.var. = ?

DNA(specification)—**PTPNS1L gene;****sequence variation**

name of component: protein tyrosine phosphatase,
non-receptor type substrate 1-like

[NPU38921](#)

DNA(spec.)—PTPNS1L gene; seq.var. = ?

DNA(specification)—**PTPNS1L2 gene;****sequence variation**

name of component: protein tyrosine phosphatase,
non-receptor type substrate 1-like 2

[NPU44288](#)

DNA(spec.)—PTPNS1L2 gene; seq.var. = ?

DNA(specification)—**PTPNS1L3 gene;****sequence variation**

name of component: protein tyrosine phosphatase,
non-receptor type substrate 1-like 3

[NPU44287](#)

DNA(spec.)—PTPNS1L3 gene; seq.var. = ?

DNA(specification)—**PTPRA gene;****sequence variation**

name of component: protein tyrosine phosphatase,
receptor type, A

[NPU38922](#)

DNA(spec.)—PTPRA gene; seq.var. = ?

DNA(specification)—**PTPRB gene;****sequence variation**

name of component: protein tyrosine phosphatase,
receptor type, B

[NPU38923](#)

DNA(spec.)—PTPRB gene; seq.var. = ?

DNA(specification)—**PTPRC gene;****sequence variation**

name of component: protein tyrosine phosphatase,
receptor type, C

[NPU38924](#)

DNA(spec.)—PTPRC gene; seq.var. = ?

DNA(specification)—**PTPRCAP gene;****sequence variation**

name of component: protein tyrosine phosphatase,
receptor type, C-associated protein

[NPU38925](#)

DNA(spec.)—PTPRCAP gene; seq.var. = ?

DNA(specification)—**PTPRD gene;****sequence variation**

name of component: protein tyrosine phosphatase,
receptor type, D

[NPU38926](#)

DNA(spec.)—PTPRD gene; seq.var. = ?

DNA(specification)—**PTPRE gene;****sequence variation**

name of component: protein tyrosine phosphatase,
receptor type, E

[NPU38927](#)

DNA(spec.)—PTPRE gene; seq.var. = ?

DNA(specification)—**PTPRF gene;****sequence variation**

name of component: protein tyrosine phosphatase,
receptor type, F

[NPU38928](#)

DNA(spec.)—PTPRF gene; seq.var. = ?

DNA(specification)—**PTPRG gene;****sequence variation**

name of component: protein tyrosine phosphatase,
receptor type, G

[NPU38929](#)

DNA(spec.)—PTPRG gene; seq.var. = ?

DNA(specification)—**PTPRH gene;****sequence variation**

name of component: protein tyrosine phosphatase,
receptor type, H

[NPU38930](#)

DNA(spec.)—PTPRH gene; seq.var. = ?

DNA(specification)—**PTPRJ gene;****sequence variation**

name of component: protein tyrosine phosphatase,
receptor type, J

[NPU38931](#)

DNA(spec.)—PTPRJ gene; seq.var. = ?

DNA(specification)—**PTPRK gene;****sequence variation**

name of component: protein tyrosine phosphatase,
receptor type, K

[NPU38932](#)

DNA(spec.)—PTPRK gene; seq.var. = ?

DNA(specification)—**PTPRM gene;****sequence variation**

name of component: protein tyrosine phosphatase, receptor type, M

[NPU38933](#)

DNA(spec.)—PTPRM gene; seq.var. = ?

DNA(specification)—**PTPRN gene;****sequence variation**

name of component: protein tyrosine phosphatase, receptor type, N

[NPU38934](#)

DNA(spec.)—PTPRN gene; seq.var. = ?

DNA(specification)—**PTPRN2 gene;****sequence variation**

name of component: protein tyrosine phosphatase, receptor type, N polypeptide 2

[NPU38935](#)

DNA(spec.)—PTPRN2 gene; seq.var. = ?

DNA(specification)—**PTPRO gene;****sequence variation**

name of component: protein tyrosine phosphatase, receptor type, O

[NPU38936](#)

DNA(spec.)—PTPRO gene; seq.var. = ?

DNA(specification)—**PTPRQ gene;****sequence variation**

name of component: protein tyrosine phosphatase, receptor type, Q

[NPU38937](#)

DNA(spec.)—PTPRQ gene; seq.var. = ?

DNA(specification)—**PTPRR gene;****sequence variation**

name of component: protein tyrosine phosphatase, receptor type, R

[NPU38938](#)

DNA(spec.)—PTPRR gene; seq.var. = ?

DNA(specification)—**PTPRS gene;****sequence variation**

name of component: protein tyrosine phosphatase, receptor type, S

[NPU38939](#)

DNA(spec.)—PTPRS gene; seq.var. = ?

DNA(specification)—**PTPRT gene;****sequence variation**

name of component: protein tyrosine phosphatase, receptor type, T

[NPU38940](#)

DNA(spec.)—PTPRT gene; seq.var. = ?

DNA(specification)—**PTPRU gene;****sequence variation**

name of component: protein tyrosine phosphatase, receptor type, U

[NPU38941](#)

DNA(spec.)—PTPRU gene; seq.var. = ?

DNA(specification)—**PTPRZ1 gene;****sequence variation**

name of component: protein tyrosine phosphatase, receptor-type, Z polypeptide 1

[NPU38942](#)

DNA(spec.)—PTPRZ1 gene; seq.var. = ?

DNA(specification)—**PTPRZ2 gene;****sequence variation**

name of component: protein tyrosine phosphatase, receptor-type, Z polypeptide 2

[NPU38943](#)

DNA(spec.)—PTPRZ2 gene; seq.var. = ?

DNA(specification)—**PTRF gene;****sequence variation**

name of component: polymerase I and transcript release factor

[NPU38944](#)

DNA(spec.)—PTRF gene; seq.var. = ?

DNA(specification)—**PTS gene;****sequence variation**

name of component: 6-pyruvoyltetrahydropterin synthase

[NPU38945](#)

DNA(spec.)—PTS gene; seq.var. = ?

DNA(specification)—**PTTG1 gene;****sequence variation**

name of component: pituitary tumor-transforming 1

[NPU38946](#)

DNA(spec.)—PTTG1 gene; seq.var. = ?

DNA(specification)—**PTTG1IP gene;****sequence variation**

name of component: pituitary tumor-transforming
1 interacting protein

[NPU42168](#)

DNA(spec.)—PTTG1IP gene; seq.var. = ?

DNA(specification)—**PTTG2 gene;****sequence variation**

name of component: pituitary tumor-transforming
2

[NPU38947](#)

DNA(spec.)—PTTG2 gene; seq.var. = ?

DNA(specification)—**PTTG4P gene;****sequence variation**

name of component: pituitary tumor-transforming
4 pseudogene

[NPU47395](#)

DNA(spec.)—PTTG4P gene; seq.var. = ?

DNA(specification)—**PTX3 gene;****sequence variation**

name of component: pentaxin-related gene, rapidly
induced by IL-1 beta

[NPU38948](#)

DNA(spec.)—PTX3 gene; seq.var. = ?

DNA(specification)—**PUAB1 gene;****sequence variation**

name of component: protein spot in 2-D gels (sec-
retory polypeptide, 45 kDa, relative pI 7.00)

[NPU38949](#)

DNA(spec.)—PUAB1 gene; seq.var. = ?

DNA(specification)—**PUAB2 gene;****sequence variation**

name of component: protein spot in 2-D gels
(membrane polypeptide, 58 kDa, relative pI 7.70)

[NPU38950](#)

DNA(spec.)—PUAB2 gene; seq.var. = ?

DNA(specification)—**PUAB3 gene;****sequence variation**

name of component: protein spot in 2-D gels
(membrane polypeptide, 84 kDa, relative pI 6.00)

[NPU38951](#)

DNA(spec.)—PUAB3 gene; seq.var. = ?

DNA(specification)—**PUAB4 gene;****sequence variation**

name of component: protein spot in 2-D gels (nu-
clear polypeptide, 100 kDa, relative pI 6.25)

[NPU38952](#)

DNA(spec.)—PUAB4 gene; seq.var. = ?

DNA(specification)—**PUAB5 gene;****sequence variation**

name of component: protein spot in 2-D gels (cy-
toplasmic polypeptide, 38 kDa, relative pI 5.50)

[NPU38953](#)

DNA(spec.)—PUAB5 gene; seq.var. = ?

DNA(specification)—**PUM1 gene;****sequence variation**

name of component: pumilio homolog 1 (Droso-
phila)

[NPU43199](#)

DNA(spec.)—PUM1 gene; seq.var. = ?

DNA(specification)—**PUM2 gene;****sequence variation**

name of component: pumilio homolog 2 (Droso-
phila)

[NPU43200](#)

DNA(spec.)—PUM2 gene; seq.var. = ?

DNA(specification)—**PUNC gene;****sequence variation**

name of component: putative neuronal cell adhe-
sion molecule

[NPU38954](#)

DNA(spec.)—PUNC gene; seq.var. = ?

DNA(specification)—**PURA gene;****sequence variation**

name of component: purine-rich element binding
protein A

[NPU38955](#)

DNA(spec.)—PURA gene; seq.var. = ?

DNA(specification)—**PURB gene;****sequence variation**

name of component: purine-rich element binding
protein B

[NPU38956](#)

DNA(spec.)—PURB gene; seq.var. = ?

DNA(specification)—**PUS1 gene;****sequence variation**

name of component: pseudouridylate synthase 1

[NPU43706](#)

DNA(spec.)—PUS1 gene; seq.var. = ?

DNA(specification)—**PUT1 gene;****sequence variation**

name of component: polypeptide m44p in lymphocyte membrane

[NPU38957](#)

DNA(spec.)—PUT1 gene; seq.var. = ?

DNA(specification)—**PVALB gene;****sequence variation**

name of component: parvalbumin

[NPU38958](#)

DNA(spec.)—PVALB gene; seq.var. = ?

DNA(specification)—**PVR gene;****sequence variation**

name of component: poliovirus receptor

[NPU38959](#)

DNA(spec.)—PVR gene; seq.var. = ?

DNA(specification)—**PVRL1 gene;****sequence variation**

name of component: poliovirus receptor-related 1 (herpesvirus entry mediator C; nectin)

[NPU38960](#)

DNA(spec.)—PVRL1 gene; seq.var. = ?

DNA(specification)—**PVRL2 gene;****sequence variation**

name of component: poliovirus receptor-related 2 (herpesvirus entry mediator B)

[NPU38961](#)

DNA(spec.)—PVRL2 gene; seq.var. = ?

DNA(specification)—**PVT1 gene;****sequence variation**

name of component: Pvt1 oncogene homolog, MYC activator (mouse)

[NPU38962](#)

DNA(spec.)—PVT1 gene; seq.var. = ?

DNA(specification)—**PWCR gene;****sequence variation**

name of component: Prader-Willi syndrome chromosome region

[NPU38963](#)

DNA(spec.)—PWCR gene; seq.var. = ?

DNA(specification)—**PWCR1 gene;****sequence variation**

name of component: Prader-Willi syndrome chromosome region 1

[NPU42123](#)

DNA(spec.)—PWCR1 gene; seq.var. = ?

DNA(specification)—**PWP2H gene;****sequence variation**

name of component: PWP2 periodic tryptophan protein homolog (yeast)

[NPU38964](#)

DNA(spec.)—PWP2H gene; seq.var. = ?

DNA(specification)—**PWWP1 gene;****sequence variation**

name of component: PWWP domain containing 1

[NPU47864](#)

DNA(spec.)—PWWP1 gene; seq.var. = ?

DNA(specification)—**PXE gene;****sequence variation**

name of component: pseudoxanthoma elasticum

[NPU38965](#)

DNA(spec.)—PXE gene; seq.var. = ?

DNA(specification)—**PXF gene;****sequence variation**

name of component: peroxisomal farnesylated protein

[NPU38966](#)

DNA(spec.)—PXF gene; seq.var. = ?

DNA(specification)—**PXMP2 gene;****sequence variation**

name of component: peroxisomal membrane protein 2, 22 kDa

[NPU38967](#)

DNA(spec.)—PXMP2 gene; seq.var. = ?

DNA(specification)—**PXMP3 gene;****sequence variation**

name of component: peroxisomal membrane protein 3, 35 kDa (Zellweger syndrome)

[NPU38968](#)

DNA(spec.)—PXMP3 gene; seq.var. = ?

DNA(specification)—**PXMP4 gene;****sequence variation**

name of component: peroxisomal membrane protein 4, 24 kDa

[NPU44002](#)

DNA(spec.)—PXMP4 gene; seq.var. = ?

DNA(specification)—**PXN gene;****sequence variation**

name of component: paxillin

[NPU38969](#)

DNA(spec.)—PXN gene; seq.var. = ?

DNA(specification)—**PXR1 gene;****sequence variation**

name of component: peroxisome receptor 1

[NPU38970](#)

DNA(spec.)—PXR1 gene; seq.var. = ?

DNA(specification)—**PYCR1 gene;****sequence variation**

name of component: pyrroline-5-carboxylate reductase 1

[NPU38971](#)

DNA(spec.)—PYCR1 gene; seq.var. = ?

DNA(specification)—**PYCS gene;****sequence variation**

name of component: pyrroline-5-carboxylate synthetase (glutamate gamma-semialdehyde synthetase)

[NPU38972](#)

DNA(spec.)—PYCS gene; seq.var. = ?

DNA(specification)—**PYGB gene;****sequence variation**

name of component: phosphorylase, glycogen; brain

[NPU38973](#)

DNA(spec.)—PYGB gene; seq.var. = ?

DNA(specification)—**PYGBL gene;****sequence variation**

name of component: phosphorylase, glycogen, brain-like

[NPU38974](#)

DNA(spec.)—PYGBL gene; seq.var. = ?

DNA(specification)—**PYGL gene;****sequence variation**

name of component: phosphorylase, glycogen; liver (Hers disease, glycogen storage disease type VI)

[NPU19178](#)

DNA(spec.)—PYGL gene; seq.var. = ?

DNA(specification)—**PYGM gene;****sequence variation**

name of component: phosphorylase, glycogen; muscle (McArdle syndrome, glycogen storage disease type V)

[NPU19179](#)

DNA(spec.)—PYGM gene; seq.var. = ?

DNA(specification)—**PYHG1 gene;****sequence variation**

name of component: protein spot in 2-D gels 218 kDa

[NPU38975](#)

DNA(spec.)—PYHG1 gene; seq.var. = ?

DNA(specification)—**PYHG10 gene;****sequence variation**

name of component: protein spot in 2-D gels 77 kDa

[NPU38976](#)

DNA(spec.)—PYHG10 gene; seq.var. = ?

DNA(specification)—**PYHG11 gene;****sequence variation**

name of component: protein spot in 2-D gels 74 kDa

[NPU38977](#)

DNA(spec.)—PYHG11 gene; seq.var. = ?

DNA(specification)—**PYHG12 gene;****sequence variation**

name of component: protein spot in 2-D gels 55 kDa

[NPU38978](#)

DNA(spec.)—PYHG12 gene; seq.var. = ?

DNA(specification)—**PYHG14 gene;****sequence variation**

name of component: protein spot in 2-D gels 37 kDa

[NPU38979](#)

DNA(spec.)—PYHG14 gene; seq.var. = ?

DNA(specification)—**PYHG15 gene;****sequence variation**

name of component: protein spot in 2-D gels 35 kDa

[NPU38980](#)

DNA(spec.)—PYHG15 gene; seq.var. = ?

DNA(specification)—**PYHG16 gene;****sequence variation**

name of component: protein spot in 2-D gels 38 kDa

[NPU38981](#)

DNA(spec.)—PYHG16 gene; seq.var. = ?

DNA(specification)—**PYHG17 gene;****sequence variation**

name of component: protein spot in 2-D gels 32 kDa

[NPU38982](#)

DNA(spec.)—PYHG17 gene; seq.var. = ?

DNA(specification)—**PYHG18 gene;****sequence variation**

name of component: protein spot in 2-D gels 31 kDa

[NPU38983](#)

DNA(spec.)—PYHG18 gene; seq.var. = ?

DNA(specification)—**PYHG19 gene;****sequence variation**

name of component: protein spot in 2-D gels 12 kDa

[NPU38984](#)

DNA(spec.)—PYHG19 gene; seq.var. = ?

DNA(specification)—**PYHG2 gene;****sequence variation**

name of component: protein spot in 2-D gels 178 kDa

[NPU38985](#)

DNA(spec.)—PYHG2 gene; seq.var. = ?

DNA(specification)—**PYHG20 gene;****sequence variation**

name of component: protein spot in 2-D gels 10 kDa

[NPU38986](#)

DNA(spec.)—PYHG20 gene; seq.var. = ?

DNA(specification)—**PYHG21 gene;****sequence variation**

name of component: protein spot in 2-D gels 10 kDa

[NPU38987](#)

DNA(spec.)—PYHG21 gene; seq.var. = ?

DNA(specification)—**PYHG22 gene;****sequence variation**

name of component: protein spot in 2-D gels <10 kDa

[NPU38988](#)

DNA(spec.)—PYHG22 gene; seq.var. = ?

DNA(specification)—**PYHG3 gene;****sequence variation**

name of component: protein spot in 2-D gels 106 kDa

[NPU38989](#)

DNA(spec.)—PYHG3 gene; seq.var. = ?

DNA(specification)—**PYHG4 gene;****sequence variation**

name of component: protein spot in 2-D gels 104 kDa

[NPU38990](#)

DNA(spec.)—PYHG4 gene; seq.var. = ?

DNA(specification)—**PYHG6 gene;****sequence variation**

name of component: protein spot in 2-D gels 85 kDa

[NPU38991](#)

DNA(spec.)—PYHG6 gene; seq.var. = ?

DNA(specification)—**PYHG7 gene;****sequence variation**

name of component: protein spot in 2-D gels 82 kDa

[NPU38992](#)

DNA(spec.)—PYHG7 gene; seq.var. = ?

DNA(specification)—**PYHG8 gene;****sequence variation**

name of component: protein spot in 2-D gels 80 kDa

[NPU38993](#)

DNA(spec.)—PYHG8 gene; seq.var. = ?

DNA(specification)—**PYHG9 gene;****sequence variation**

name of component: protein spot in 2-D gels 79 kDa

[NPU38994](#)

DNA(spec.)—PYHG9 gene; seq.var. = ?

DNA(specification)—**PYY gene;****sequence variation**

name of component: peptide YY

[NPU38995](#)

DNA(spec.)—PYY gene; seq.var. = ?

DNA(specification)—**PYY2 gene;****sequence variation**

name of component: peptide YY, 2 (seminalplasma)

[NPU38996](#)

DNA(spec.)—PYY2 gene; seq.var. = ?

DNA(specification)—**PZP gene;****sequence variation**

name of component: pregnancy-zone protein

[NPU38997](#)

DNA(spec.)—PZP gene; seq.var. = ?

DNA(specification)—**QARS gene;****sequence variation**

name of component: glutamyl-tRNA synthetase

[NPU38998](#)

DNA(spec.)—QARS gene; seq.var. = ?

DNA(specification)—**QDPR gene;****sequence variation**

name of component: quinoid dihydropteridine reductase

[NPU38999](#)

DNA(spec.)—QDPR gene; seq.var. = ?

DNA(specification)—**QKI gene;****sequence variation**

name of component: quaking homolog, KH domain RNA binding (mouse)

[NPU47869](#)

DNA(spec.)—QKI gene; seq.var. = ?

DNA(specification)—**QPCT gene;****sequence variation**

name of component: glutamyl-peptide cyclotransferase (glutamyl cyclase)

[NPU39000](#)

DNA(spec.)—QPCT gene; seq.var. = ?

DNA(specification)—**QPRT gene;****sequence variation**

name of component: quinolate phosphoribosyltransferase (nicotinate-nucleotide pyrophosphorylase (carboxylating))

[NPU39001](#)

DNA(spec.)—QPRT gene; seq.var. = ?

DNA(specification)—**QRSL1 gene;****sequence variation**

name of component: glutamyl-tRNA synthase (glutamine-hydrolyzing)-like 1

[NPU47832](#)

DNA(spec.)—QRSL1 gene; seq.var. = ?

DNA(specification)—**QSCN6 gene;****sequence variation**

name of component: quiescin Q6

[NPU39002](#)

DNA(spec.)—QSCN6 gene; seq.var. = ?

DNA(specification)—**R3HDM gene;****sequence variation**

name of component: R3H domain (binds single-stranded nucleic acids) containing

[NPU39003](#)

DNA(spec.)—R3HDM gene; seq.var. = ?

DNA(specification)—**R3HDML gene;****sequence variation**

name of component: R3H domain (binds single-stranded nucleic acids) containing-like

[NPU44289](#)

DNA(spec.)—R3HDML gene; seq.var. = ?

DNA(specification)—**RAB10 gene;****sequence variation**

name of component: RAB10, member RAS oncogene family

[NPU39005](#)

DNA(spec.)—RAB10 gene; seq.var. = ?

DNA(specification)—**RAB11A gene;****sequence variation**

name of component: RAB11A, member RAS oncogene family

[NPU39006](#)

DNA(spec.)—RAB11A gene; seq.var. = ?

DNA(specification)—**RAB11B gene;****sequence variation**

name of component: RAB11B, member RAS oncogene family

[NPU39007](#)

DNA(spec.)—RAB11B gene; seq.var. = ?

DNA(specification)—**RAB13 gene;****sequence variation**

name of component: RAB13, member RAS oncogene family

[NPU39008](#)

DNA(spec.)—RAB13 gene; seq.var. = ?

DNA(specification)—**RAB14 gene;****sequence variation**

name of component: RAB14, member RAS oncogene family

[NPU44506](#)

DNA(spec.)—RAB14 gene; seq.var. = ?

DNA(specification)—**RAB15 gene;****sequence variation**

name of component: RAB15, member RAS oncogene family

[NPU47452](#)

DNA(spec.)—RAB15 gene; seq.var. = ?

DNA(specification)—**RAB17 gene;****sequence variation**

name of component: RAB17, member RAS oncogene family

[NPU44505](#)

DNA(spec.)—RAB17 gene; seq.var. = ?

DNA(specification)—**RAB18 gene;****sequence variation**

name of component: RAB18, member RAS oncogene family

[NPU42611](#)

DNA(spec.)—RAB18 gene; seq.var. = ?

DNA(specification)—**RAB1A gene;****sequence variation**

name of component: RAB1A, member RAS oncogene family

[NPU39004](#)

DNA(spec.)—RAB1A gene; seq.var. = ?

DNA(specification)—**RAB1B gene;****sequence variation**

name of component: RAB1B, member RAS oncogene family

[NPU46430](#)

DNA(spec.)—RAB1B gene; seq.var. = ?

DNA(specification)—**RAB2 gene;****sequence variation**

name of component: RAB2, member RAS oncogene family

[NPU39009](#)

DNA(spec.)—RAB2 gene; seq.var. = ?

DNA(specification)—**RAB20 gene;****sequence variation**

name of component: RAB20, member RAS oncogene family

[NPU46365](#)

DNA(spec.)—RAB20 gene; seq.var. = ?

DNA(specification)—**RAB21 gene;****sequence variation**

name of component: RAB21, member RAS oncogene family

[NPU46367](#)

DNA(spec.)—RAB21 gene; seq.var. = ?

DNA(specification)—**RAB22A gene;****sequence variation**

name of component: RAB22A, member RAS oncogene family

[NPU39010](#)

DNA(spec.)—RAB22A gene; seq.var. = ?

DNA(specification)—**RAB23 gene;****sequence variation**

name of component: RAB23, member RAS oncogene family

[NPU42630](#)

DNA(spec.)—RAB23 gene; seq.var. = ?

DNA(specification)—**RAB24 gene;****sequence variation**

name of component: RAB24, member RAS oncogene family

[NPU39011](#)

DNA(spec.)—RAB24 gene; seq.var. = ?

DNA(specification)—**RAB25 gene;****sequence variation**

name of component: RAB25, member RAS oncogene family

[NPU46356](#)

DNA(spec.)—RAB25 gene; seq.var. = ?

DNA(specification)—**RAB26 gene;****sequence variation**

name of component: RAB26, member RAS oncogene family

[NPU42626](#)

DNA(spec.)—RAB26 gene; seq.var. = ?

DNA(specification)—**RAB27A gene;****sequence variation**

name of component: RAB27A, member RAS oncogene family

[NPU39012](#)

DNA(spec.)—RAB27A gene; seq.var. = ?

DNA(specification)—**RAB27B gene;****sequence variation**

name of component: RAB27B, member RAS oncogene family

[NPU39013](#)

DNA(spec.)—RAB27B gene; seq.var. = ?

DNA(specification)—**RAB28 gene;****sequence variation**

name of component: RAB28, member RAS oncogene family

[NPU39014](#)

DNA(spec.)—RAB28 gene; seq.var. = ?

DNA(specification)—**RAB2B gene;****sequence variation**

name of component: RAB2B, member RAS oncogene family

[NPU47512](#)

DNA(spec.)—RAB2B gene; seq.var. = ?

DNA(specification)—**RAB2L gene;****sequence variation**

name of component: RAB2, member RAS oncogene family-like

[NPU39015](#)

DNA(spec.)—RAB2L gene; seq.var. = ?

DNA(specification)—**RAB30 gene;****sequence variation**

name of component: RAB30, member RAS oncogene family

[NPU39016](#)

DNA(spec.)—RAB30 gene; seq.var. = ?

DNA(specification)—**RAB31 gene;****sequence variation**

name of component: RAB31, member RAS oncogene family

[NPU39017](#)

DNA(spec.)—RAB31 gene; seq.var. = ?

DNA(specification)—**RAB32 gene;****sequence variation**

name of component: RAB32, member RAS oncogene family

[NPU39018](#)

DNA(spec.)—RAB32 gene; seq.var. = ?

DNA(specification)—**RAB33A gene;****sequence variation**

name of component: RAB33A, member RAS oncogene family

[NPU39019](#)

DNA(spec.)—RAB33A gene; seq.var. = ?

DNA(specification)—**RAB33B gene;****sequence variation**

name of component: RAB33B, member RAS oncogene family

[NPU44126](#)

DNA(spec.)—RAB33B gene; seq.var. = ?

DNA(specification)—**RAB34 gene;****sequence variation**

name of component: RAB34, member RAS oncogene family

[NPU44503](#)

DNA(spec.)—RAB34 gene; seq.var. = ?

DNA(specification)—**RAB35 gene;****sequence variation**

name of component: RAB35, member RAS oncogene family

[NPU39020](#)

DNA(spec.)—RAB35 gene; seq.var. = ?

DNA(specification)—**RAB36 gene;****sequence variation**

name of component: RAB36, member RAS oncogene family

[NPU39021](#)

DNA(spec.)—RAB36 gene; seq.var. = ?

DNA(specification)—**RAB38 gene;****sequence variation**

name of component: RAB38, member RAS oncogene family

[NPU39022](#)

DNA(spec.)—RAB38 gene; seq.var. = ?

DNA(specification)—**RAB39 gene;****sequence variation**

name of component: RAB39, member RAS oncogene family

[NPU44504](#)

DNA(spec.)—RAB39 gene; seq.var. = ?

DNA(specification)—**RAB39B gene;****sequence variation**

name of component: RAB39B, member RAS oncogene family

[NPU44489](#)

DNA(spec.)—RAB39B gene; seq.var. = ?

DNA(specification)—**RAB3A gene;****sequence variation**

name of component: RAB3A, member RAS oncogene family

[NPU39023](#)

DNA(spec.)—RAB3A gene; seq.var. = ?

DNA(specification)—**RAB3B gene;****sequence variation**

name of component: RAB3B, member RAS oncogene family

[NPU39024](#)

DNA(spec.)—RAB3B gene; seq.var. = ?

DNA(specification)—**RAB3D gene;****sequence variation**

name of component: RAB3D, member RAS oncogene family

[NPU39025](#)

DNA(spec.)—RAB3D gene; seq.var. = ?

DNA(specification)—**RAB31L1 gene;****sequence variation**

name of component: RAB3A interacting protein (rabin3)-like 1

[NPU39026](#)

DNA(spec.)—RAB31L1 gene; seq.var. = ?

DNA(specification)—**RAB3IP gene;****sequence variation**

name of component: RAB3A interacting protein (rabin3)

[NPU44497](#)

DNA(spec.)—RAB3IP gene; seq.var. = ?

DNA(specification)—**RAB40A gene;****sequence variation**

name of component: RAB40A, member RAS oncogene family

[NPU46377](#)

DNA(spec.)—RAB40A gene; seq.var. = ?

DNA(specification)—**RAB40B gene;****sequence variation**

name of component: RAB40B, member RAS oncogene family

[NPU46378](#)

DNA(spec.)—RAB40B gene; seq.var. = ?

DNA(specification)—**RAB40C gene;****sequence variation**

name of component: RAB40C, member RAS oncogene family

[NPU46379](#)

DNA(spec.)—RAB40C gene; seq.var. = ?

DNA(specification)—**RAB41 gene;****sequence variation**

name of component: RAB41, member RAS homolog family

[NPU46385](#)

DNA(spec.)—RAB41 gene; seq.var. = ?

DNA(specification)—**RAB42 gene;****sequence variation**

name of component: RAB42, member RAS homolog family

[NPU47223](#)

DNA(spec.)—RAB42 gene; seq.var. = ?

DNA(specification)—**RAB4A gene;****sequence variation**

name of component: RAB4A, member RAS oncogene family

[NPU39027](#)

DNA(spec.)—RAB4A gene; seq.var. = ?

DNA(specification)—**RAB4B gene;****sequence variation**

name of component: RAB4B, member RAS oncogene family

[NPU39028](#)

DNA(spec.)—RAB4B gene; seq.var. = ?

DNA(specification)—**RAB5A gene;****sequence variation**

name of component: RAB5A, member RAS oncogene family

[NPU39029](#)

DNA(spec.)—RAB5A gene; seq.var. = ?

DNA(specification)—**RAB5B gene;****sequence variation**

name of component: RAB5B, member RAS oncogene family

[NPU39030](#)

DNA(spec.)—RAB5B gene; seq.var. = ?

DNA(specification)—**RAB5C gene;****sequence variation**

name of component: RAB5C, member RAS oncogene family

[NPU39031](#)

DNA(spec.)—RAB5C gene; seq.var. = ?

DNA(specification)—**RAB6A gene;****sequence variation**

name of component: RAB6A, member RAS oncogene family

[NPU39032](#)

DNA(spec.)—RAB6A gene; seq.var. = ?

DNA(specification)—**RAB6B gene;****sequence variation**

name of component: RAB6B, member RAS oncogene family

[NPU43153](#)

DNA(spec.)—RAB6B gene; seq.var. = ?

DNA(specification)—**RAB6C gene;****sequence variation**

name of component: RAB6C, member RAS oncogene family

[NPU44507](#)

DNA(spec.)—RAB6C gene; seq.var. = ?

DNA(specification)—**RAB6IP1 gene;****sequence variation**

name of component: RAB6 interacting protein 1

[NPU46983](#)

DNA(spec.)—RAB6IP1 gene; seq.var. = ?

DNA(specification)—**RAB7 gene;****sequence variation**

name of component: RAB7, member RAS oncogene family

[NPU39034](#)

DNA(spec.)—RAB7 gene; seq.var. = ?

DNA(specification)—**RAB7L1 gene;****sequence variation**

name of component: RAB7, member RAS oncogene family-like 1

[NPU39035](#)

DNA(spec.)—RAB7L1 gene; seq.var. = ?

DNA(specification)—**RAB9A gene;****sequence variation**

name of component: RAB9A, member RAS oncogene family

[NPU39036](#)

DNA(spec.)—RAB9A gene; seq.var. = ?

DNA(specification)—**RAB9B gene;****sequence variation**

name of component: RAB9B, member RAS oncogene family

[NPU42503](#)

DNA(spec.)—RAB9B gene; seq.var. = ?

DNA(specification)—**RAB9P1 gene;****sequence variation**

name of component: RAB9, member RAS oncogene family, pseudogene 1

[NPU39037](#)

DNA(spec.)—RAB9P1 gene; seq.var. = ?

DNA(specification)—
RABAC1 gene;
sequence variation
name of component: Rab acceptor 1 (prenylated)
[NPU39038](#)
DNA(spec.)—RABAC1 gene; seq.var. = ?

DNA(specification)—
RABGGTA gene;
sequence variation
name of component: Rab geranylgeranyltransferase, alpha subunit
[NPU39039](#)
DNA(spec.)—RABGGTA gene; seq.var. = ?

DNA(specification)—
RABGGTB gene;
sequence variation
name of component: Rab geranylgeranyltransferase, beta subunit
[NPU39040](#)
DNA(spec.)—RABGGTB gene; seq.var. = ?

DNA(specification)—
RABIF gene;
sequence variation
name of component: RAB interacting factor
[NPU39041](#)
DNA(spec.)—RABIF gene; seq.var. = ?

DNA(specification)—
RABL2A gene;
sequence variation
name of component: RAB, member of RAS oncogene family-like 2A
[NPU39042](#)
DNA(spec.)—RABL2A gene; seq.var. = ?

DNA(specification)—
RABL2B gene;
sequence variation
name of component: RAB, member of RAS oncogene family-like 2B
[NPU39043](#)
DNA(spec.)—RABL2B gene; seq.var. = ?

DNA(specification)—
RABL3 gene;
sequence variation
name of component: RAB, member of RAS oncogene family-like 3
[NPU46266](#)
DNA(spec.)—RABL3 gene; seq.var. = ?

DNA(specification)—
RABL4 gene;
sequence variation
name of component: RAB, member of RAS oncogene family-like 4
[NPU46581](#)
DNA(spec.)—RABL4 gene; seq.var. = ?

DNA(specification)—
RAC1 gene;
sequence variation
name of component: ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)
[NPU39044](#)
DNA(spec.)—RAC1 gene; seq.var. = ?

DNA(specification)—
RAC2 gene;
sequence variation
name of component: ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2)
[NPU39045](#)
DNA(spec.)—RAC2 gene; seq.var. = ?

DNA(specification)—
RAC3 gene;
sequence variation
name of component: ras-related C3 botulinum toxin substrate 3 (rho family, small GTP binding protein Rac3)
[NPU39046](#)
DNA(spec.)—RAC3 gene; seq.var. = ?

DNA(specification)—
RACGAP1 gene;
sequence variation
name of component: Rac GTPase activating protein 1
[NPU39047](#)
DNA(spec.)—RACGAP1 gene; seq.var. = ?

DNA(specification)—
RAD1 gene;
sequence variation
name of component: RAD1 homolog (S. pombe)
[NPU39048](#)
DNA(spec.)—RAD1 gene; seq.var. = ?

DNA(specification)—
RAD17 gene;
sequence variation
name of component: RAD17 homolog (S. pombe)
[NPU39049](#)
DNA(spec.)—RAD17 gene; seq.var. = ?

DNA(specification)—**RAD17P1 gene;****sequence variation**

name of component: RAD17 homolog (S. pombe)
pseudogene 1

[NPU39050](#)

DNA(spec.)—RAD17P1 gene; seq.var. = ?

DNA(specification)—**RAD17P2 gene;****sequence variation**

name of component: RAD17 homolog (S. pombe)
pseudogene 2

[NPU39051](#)

DNA(spec.)—RAD17P2 gene; seq.var. = ?

DNA(specification)—**RAD21 gene;****sequence variation**

name of component: RAD21 homolog (S. pombe)

[NPU39052](#)

DNA(spec.)—RAD21 gene; seq.var. = ?

DNA(specification)—**RAD21L1 gene;****sequence variation**

name of component: RAD21-like 1 (S. pombe)

[NPU44308](#)

DNA(spec.)—RAD21L1 gene; seq.var. = ?

DNA(specification)—**RAD23A gene;****sequence variation**

name of component: RAD23 homolog A (S. cerevisiae)

[NPU39053](#)

DNA(spec.)—RAD23A gene; seq.var. = ?

DNA(specification)—**RAD23B gene;****sequence variation**

name of component: RAD23 homolog B (S. cerevisiae)

[NPU39054](#)

DNA(spec.)—RAD23B gene; seq.var. = ?

DNA(specification)—**RAD23BLP gene;****sequence variation**

name of component: RAD23 homolog B (S. cerevisiae)-like pseudogene

[NPU39055](#)

DNA(spec.)—RAD23BLP gene; seq.var. = ?

DNA(specification)—**RAD50 gene;****sequence variation**

name of component: RAD50 homolog (S. cerevisiae)

[NPU39056](#)

DNA(spec.)—RAD50 gene; seq.var. = ?

DNA(specification)—**RAD51 gene;****sequence variation**

name of component: RAD51 homolog (RecA homolog, E. coli) (S. cerevisiae)

[NPU39057](#)

DNA(spec.)—RAD51 gene; seq.var. = ?

DNA(specification)—**RAD51C gene;****sequence variation**

name of component: RAD51 homolog C (S. cerevisiae)

[NPU39058](#)

DNA(spec.)—RAD51C gene; seq.var. = ?

DNA(specification)—**RAD51L1 gene;****sequence variation**

name of component: RAD51-like 1 (S. cerevisiae)

[NPU39059](#)

DNA(spec.)—RAD51L1 gene; seq.var. = ?

DNA(specification)—**RAD51L3 gene;****sequence variation**

name of component: RAD51-like 3 (S. cerevisiae)

[NPU39060](#)

DNA(spec.)—RAD51L3 gene; seq.var. = ?

DNA(specification)—**RAD52 gene;****sequence variation**

name of component: RAD52 homolog (S. cerevisiae)

[NPU39061](#)

DNA(spec.)—RAD52 gene; seq.var. = ?

DNA(specification)—**RAD54L gene;****sequence variation**

name of component: RAD54-like (S. cerevisiae)

[NPU39062](#)

DNA(spec.)—RAD54L gene; seq.var. = ?

DNA(specification)—**RAD9 gene;****sequence variation**

name of component: RAD9 homolog (S. pombe)

[NPU39063](#)

DNA(spec.)—RAD9 gene; seq.var. = ?

DNA(specification)—**RAE1 gene;****sequence variation**

name of component: RAE1 RNA export 1 homolog (S. pombe)

[NPU39064](#)

DNA(spec.)—RAE1 gene; seq.var. = ?

DNA(specification)—**RAET1E gene;****sequence variation**

name of component: retinoic acid early transcript 1E

[NPU44698](#)

DNA(spec.)—RAET1E gene; seq.var. = ?

DNA(specification)—**RAET1F gene;****sequence variation**

name of component: retinoic acid early transcript 1F pseudogene

[NPU44699](#)

DNA(spec.)—RAET1F gene; seq.var. = ?

DNA(specification)—**RAET1G gene;****sequence variation**

name of component: retinoic acid early transcript 1G pseudogene

[NPU44700](#)

DNA(spec.)—RAET1G gene; seq.var. = ?

DNA(specification)—**RAET1J gene;****sequence variation**

name of component: retinoic acid early transcript 1J pseudogene

[NPU44701](#)

DNA(spec.)—RAET1J gene; seq.var. = ?

DNA(specification)—**RAET1K gene;****sequence variation**

name of component: retinoic acid early transcript 1K pseudogene

[NPU44702](#)

DNA(spec.)—RAET1K gene; seq.var. = ?

DNA(specification)—**RAET1L gene;****sequence variation**

name of component: retinoic acid early transcript 1L

[NPU44703](#)

DNA(spec.)—RAET1L gene; seq.var. = ?

DNA(specification)—**RAET1M gene;****sequence variation**

name of component: retinoic acid early transcript 1M pseudogene

[NPU44704](#)

DNA(spec.)—RAET1M gene; seq.var. = ?

DNA(specification)—**RAF1 gene;****sequence variation**

name of component: v-raf-1 murine leukemia viral oncogene homolog 1

[NPU39065](#)

DNA(spec.)—RAF1 gene; seq.var. = ?

DNA(specification)—**RAF1P1 gene;****sequence variation**

name of component: v-raf-1 murine leukemia viral oncogene homolog 1 pseudogene 1

[NPU39066](#)

DNA(spec.)—RAF1P1 gene; seq.var. = ?

DNA(specification)—**RAG1 gene;****sequence variation**

name of component: recombination activating gene 1

[NPU39067](#)

DNA(spec.)—RAG1 gene; seq.var. = ?

DNA(specification)—**RAG2 gene;****sequence variation**

name of component: recombination activating gene 2

[NPU39068](#)

DNA(spec.)—RAG2 gene; seq.var. = ?

DNA(specification)—**RAGE gene;****sequence variation**

name of component: renal tumor antigen

[NPU39069](#)

DNA(spec.)—RAGE gene; seq.var. = ?

DNA(specification)—**RAI1 gene;****sequence variation**

name of component: retinoic acid induced 1

[NPU39070](#)

DNA(spec.)—RAI1 gene; seq.var. = ?

DNA(specification)—**RAI14 gene;****sequence variation**

name of component: retinoic acid induced 14

[NPU43130](#)

DNA(spec.)—RAI14 gene; seq.var. = ?

DNA(specification)—**RAI16 gene;****sequence variation**

name of component: retinoic acid induced 16

[NPU44482](#)

DNA(spec.)—RAI16 gene; seq.var. = ?

DNA(specification)—**RAI17 gene;****sequence variation**

name of component: retinoic acid induced 17

[NPU44483](#)

DNA(spec.)—RAI17 gene; seq.var. = ?

DNA(specification)—**RAI2 gene;****sequence variation**

name of component: retinoic acid induced 2

[NPU39071](#)

DNA(spec.)—RAI2 gene; seq.var. = ?

DNA(specification)—**RAI3 gene;****sequence variation**

name of component: retinoic acid induced 3

[NPU39072](#)

DNA(spec.)—RAI3 gene; seq.var. = ?

DNA(specification)—**RAI4 gene;****sequence variation**

name of component: retinoic acid induced 4

[NPU39073](#)

DNA(spec.)—RAI4 gene; seq.var. = ?

DNA(specification)—**RAI5 gene;****sequence variation**

name of component: retinoic acid induced 5

[NPU39074](#)

DNA(spec.)—RAI5 gene; seq.var. = ?

DNA(specification)—**RALA gene;****sequence variation**

name of component: v-ras simian leukemia viral oncogene homolog A (ras related)

[NPU39075](#)

DNA(spec.)—RALA gene; seq.var. = ?

DNA(specification)—**RALB gene;****sequence variation**

name of component: v-ras simian leukemia viral oncogene homolog B (ras related; GTP binding protein)

[NPU39076](#)

DNA(spec.)—RALB gene; seq.var. = ?

DNA(specification)—**RALBP1 gene;****sequence variation**

name of component: ralA binding protein 1

[NPU39077](#)

DNA(spec.)—RALBP1 gene; seq.var. = ?

DNA(specification)—**RALGDS gene;****sequence variation**

name of component: ral guanine nucleotide dissociation stimulator

[NPU39078](#)

DNA(spec.)—RALGDS gene; seq.var. = ?

DNA(specification)—**RALY gene;****sequence variation**

name of component: RNA binding protein (autoantigenic, hnRNP-associated with lethal yellow)

[NPU44003](#)

DNA(spec.)—RALY gene; seq.var. = ?

DNA(specification)—**RAMP1 gene;****sequence variation**

name of component: receptor (calcitonin) activity modifying protein 1

[NPU39079](#)

DNA(spec.)—RAMP1 gene; seq.var. = ?

DNA(specification)—**RAMP2 gene;****sequence variation**

name of component: receptor (calcitonin) activity modifying protein 2

[NPU39080](#)

DNA(spec.)—RAMP2 gene; seq.var. = ?

DNA(specification)—**RAMP3 gene;****sequence variation**

name of component: receptor (calcitonin) activity modifying protein 3

[NPU39081](#)

DNA(spec.)—RAMP3 gene; seq.var. = ?

DNA(specification)—**RAN gene;****sequence variation**

name of component: RAN, member RAS oncogene family

[NPU39082](#)

DNA(spec.)—RAN gene; seq.var. = ?

DNA(specification)—
RANBP1 gene;
sequence variation
name of component: RAN binding protein 1
[NPU39083](#)
DNA(spec.)—RANBP1 gene; seq.var. = ?

DNA(specification)—
RANBP17 gene;
sequence variation
name of component: RAN binding protein 17
[NPU42743](#)
DNA(spec.)—RANBP17 gene; seq.var. = ?

DNA(specification)—
RANBP2 gene;
sequence variation
name of component: RAN binding protein 2
[NPU39084](#)
DNA(spec.)—RANBP2 gene; seq.var. = ?

DNA(specification)—
RANBP20P gene;
sequence variation
name of component: RAN binding protein 20 pseudogene
[NPU47169](#)
DNA(spec.)—RANBP20P gene; seq.var. = ?

DNA(specification)—
RANBP2L1 gene;
sequence variation
name of component: RAN binding protein 2-like 1
[NPU39085](#)
DNA(spec.)—RANBP2L1 gene; seq.var. = ?

DNA(specification)—
RANBP3 gene;
sequence variation
name of component: RAN binding protein 3
[NPU39086](#)
DNA(spec.)—RANBP3 gene; seq.var. = ?

DNA(specification)—
RANBP6 gene;
sequence variation
name of component: RAN binding protein 6
[NPU39087](#)
DNA(spec.)—RANBP6 gene; seq.var. = ?

DNA(specification)—
RANBP9 gene;
sequence variation
name of component: RAN binding protein 9
[NPU42292](#)
DNA(spec.)—RANBP9 gene; seq.var. = ?

DNA(specification)—
RANGAP1 gene;
sequence variation
name of component: Ran GTPase activating protein 1
[NPU39090](#)
DNA(spec.)—RANGAP1 gene; seq.var. = ?

DNA(specification)—
RAP1A gene;
sequence variation
name of component: RAP1A, member of RAS oncogene family
[NPU39091](#)
DNA(spec.)—RAP1A gene; seq.var. = ?

DNA(specification)—
RAP1AP gene;
sequence variation
name of component: RAP1A, member of RAS oncogene family pseudogene
[NPU39092](#)
DNA(spec.)—RAP1AP gene; seq.var. = ?

DNA(specification)—
RAP1B gene;
sequence variation
name of component: RAP1B, member of RAS oncogene family
[NPU39093](#)
DNA(spec.)—RAP1B gene; seq.var. = ?

DNA(specification)—
RAP1GA1 gene;
sequence variation
name of component: RAP1, GTPase activating protein 1
[NPU39094](#)
DNA(spec.)—RAP1GA1 gene; seq.var. = ?

DNA(specification)—
RAP1GDS1 gene;
sequence variation
name of component: RAP1, GTP-GDP dissociation stimulator 1
[NPU39095](#)
DNA(spec.)—RAP1GDS1 gene; seq.var. = ?

DNA(specification)—
RAP2A gene;
sequence variation
name of component: RAP2A, member of RAS oncogene family
[NPU39096](#)
DNA(spec.)—RAP2A gene; seq.var. = ?

DNA(specification)—**RAP2B gene;****sequence variation**

name of component: RAP2B, member of RAS oncogene family

[NPU39097](#)

DNA(spec.)—RAP2B gene; seq.var. = ?

DNA(specification)—**RAP2C gene;****sequence variation**

name of component: RAP2C, member of RAS oncogene family

[NPU47895](#)

DNA(spec.)—RAP2C gene; seq.var. = ?

DNA(specification)—**RAPSN gene;****sequence variation**

name of component: receptor-associated protein of the synapse, 43kD

[NPU39098](#)

DNA(spec.)—RAPSN gene; seq.var. = ?

DNA(specification)—**RARA gene;****sequence variation**

name of component: retinoic acid receptor, alpha

[NPU39099](#)

DNA(spec.)—RARA gene; seq.var. = ?

DNA(specification)—**RARB gene;****sequence variation**

name of component: retinoic acid receptor, beta

[NPU39100](#)

DNA(spec.)—RARB gene; seq.var. = ?

DNA(specification)—**RARG gene;****sequence variation**

name of component: retinoic acid receptor, gamma

[NPU39101](#)

DNA(spec.)—RARG gene; seq.var. = ?

DNA(specification)—**RARRES1 gene;****sequence variation**

name of component: retinoic acid receptor responder (tazarotene induced) 1

[NPU39102](#)

DNA(spec.)—RARRES1 gene; seq.var. = ?

DNA(specification)—**RARRES2 gene;****sequence variation**

name of component: retinoic acid receptor responder (tazarotene induced) 2

[NPU39103](#)

DNA(spec.)—RARRES2 gene; seq.var. = ?

DNA(specification)—**RARRES3 gene;****sequence variation**

name of component: retinoic acid receptor responder (tazarotene induced) 3

[NPU39104](#)

DNA(spec.)—RARRES3 gene; seq.var. = ?

DNA(specification)—**RARS gene;****sequence variation**

name of component: arginyl-tRNA synthetase

[NPU39105](#)

DNA(spec.)—RARS gene; seq.var. = ?

DNA(specification)—**RASA1 gene;****sequence variation**

name of component: RAS p21 protein activator (GTPase activating protein) 1

[NPU39106](#)

DNA(spec.)—RASA1 gene; seq.var. = ?

DNA(specification)—**RASA2 gene;****sequence variation**

name of component: RAS p21 protein activator 2

[NPU39107](#)

DNA(spec.)—RASA2 gene; seq.var. = ?

DNA(specification)—**RASA3 gene;****sequence variation**

name of component: RAS p21 protein activator 3

[NPU47561](#)

DNA(spec.)—RASA3 gene; seq.var. = ?

DNA(specification)—**RASAL1 gene;****sequence variation**

name of component: RAS protein activator like 1 (GAP1 like)

[NPU39108](#)

DNA(spec.)—RASAL1 gene; seq.var. = ?

DNA(specification)—**RASAL2 gene;****sequence variation**

name of component: RAS protein activator like 2

[NPU39109](#)

DNA(spec.)—RASAL2 gene; seq.var. = ?

DNA(specification)—**RASD1 gene;****sequence variation**

name of component: RAS, dexamethasone-induced 1

[NPU43928](#)

DNA(spec.)—RASD1 gene; seq.var. = ?

DNA(specification)—**RASD2 gene;****sequence variation**

name of component: RASD family, member 2

[NPU46352](#)

DNA(spec.)—RASD2 gene; seq.var. = ?

DNA(specification)—**RASGRF1 gene;****sequence variation**

name of component: Ras protein-specific guanine nucleotide-releasing factor 1

[NPU39110](#)

DNA(spec.)—RASGRF1 gene; seq.var. = ?

DNA(specification)—**RASGRF2 gene;****sequence variation**

name of component: Ras protein-specific guanine nucleotide-releasing factor 2

[NPU39111](#)

DNA(spec.)—RASGRF2 gene; seq.var. = ?

DNA(specification)—**RASGRP1 gene;****sequence variation**

name of component: RAS guanyl releasing protein 1 (calcium and DAG-regulated)

[NPU39112](#)

DNA(spec.)—RASGRP1 gene; seq.var. = ?

DNA(specification)—**RASGRP2 gene;****sequence variation**

name of component: RAS guanyl releasing protein 2 (calcium and DAG-regulated)

[NPU39113](#)

DNA(spec.)—RASGRP2 gene; seq.var. = ?

DNA(specification)—**RASGRP4 gene;****sequence variation**

name of component: RAS guanyl releasing protein 4

[NPU46799](#)

DNA(spec.)—RASGRP4 gene; seq.var. = ?

DNA(specification)—**RASL7A gene;****sequence variation**

name of component: RAS-like, family 7, member A

[NPU39114](#)

DNA(spec.)—RASL7A gene; seq.var. = ?

DNA(specification)—**RASL7B gene;****sequence variation**

name of component: RAS-like, family 7, member B

[NPU39115](#)

DNA(spec.)—RASL7B gene; seq.var. = ?

DNA(specification)—**RASL8C gene;****sequence variation**

name of component: RAS-like, family 8, member C

[NPU42573](#)

DNA(spec.)—RASL8C gene; seq.var. = ?

DNA(specification)—**RASSF1 gene;****sequence variation**

name of component: Ras association (RalGDS/AF-6) domain family 1

[NPU39116](#)

DNA(spec.)—RASSF1 gene; seq.var. = ?

DNA(specification)—**RASSF2 gene;****sequence variation**

name of component: Ras association (RalGDS/AF-6) domain family 2

[NPU39117](#)

DNA(spec.)—RASSF2 gene; seq.var. = ?

DNA(specification)—**RASSF3 gene;****sequence variation**

name of component: Ras association (RalGDS/AF-6) domain family 3

[NPU42637](#)

DNA(spec.)—RASSF3 gene; seq.var. = ?

DNA(specification)—**RASSF4 gene;****sequence variation**

name of component: Ras association (RalGDS/AF-6) domain family 4

[NPU47757](#)

DNA(spec.)—RASSF4 gene; seq.var. = ?

DNA(specification)—**RASSF5 gene;****sequence variation**

name of component: Ras association (RalGDS/AF-6) domain family 5

[NPU46058](#)

DNA(spec.)—RASSF5 gene; seq.var. = ?

DNA(specification)—**RASSF6 gene;****sequence variation**

name of component: Ras association (RalGDS/AF-6) domain family 6

[NPU47758](#)

DNA(spec.)—RASSF6 gene; seq.var. = ?

DNA(specification)—**RAX gene;****sequence variation**

name of component: retina and anterior neural fold homeobox

[NPU46604](#)

DNA(spec.)—RAX gene; seq.var. = ?

DNA(specification)—**RB1 gene;****sequence variation**

name of component: retinoblastoma 1 (including osteosarcoma)

[NPU19180](#)

DNA(spec.)—RB1 gene; seq.var. = ?

DNA(specification)—**RB1CC1 gene;****sequence variation**

name of component: RB1-inducible coiled-coil 1

[NPU43751](#)

DNA(spec.)—RB1CC1 gene; seq.var. = ?

DNA(specification)—**RBBP1 gene;****sequence variation**

name of component: retinoblastoma binding protein 1

[NPU39118](#)

DNA(spec.)—RBBP1 gene; seq.var. = ?

DNA(specification)—**RBBP2 gene;****sequence variation**

name of component: retinoblastoma binding protein 2

[NPU39119](#)

DNA(spec.)—RBBP2 gene; seq.var. = ?

DNA(specification)—**RBBP4 gene;****sequence variation**

name of component: retinoblastoma binding protein 4

[NPU39120](#)

DNA(spec.)—RBBP4 gene; seq.var. = ?

DNA(specification)—**RBBP5 gene;****sequence variation**

name of component: retinoblastoma binding protein 5

[NPU39121](#)

DNA(spec.)—RBBP5 gene; seq.var. = ?

DNA(specification)—**RBBP6 gene;****sequence variation**

name of component: retinoblastoma binding protein 6

[NPU39122](#)

DNA(spec.)—RBBP6 gene; seq.var. = ?

DNA(specification)—**RBBP7 gene;****sequence variation**

name of component: retinoblastoma binding protein 7

[NPU39123](#)

DNA(spec.)—RBBP7 gene; seq.var. = ?

DNA(specification)—**RBBP8 gene;****sequence variation**

name of component: retinoblastoma binding protein 8

[NPU39124](#)

DNA(spec.)—RBBP8 gene; seq.var. = ?

DNA(specification)—**RBBP9 gene;****sequence variation**

name of component: retinoblastoma binding protein 9

[NPU39125](#)

DNA(spec.)—RBBP9 gene; seq.var. = ?

DNA(specification)—**RBL1 gene;****sequence variation**

name of component: retinoblastoma-like 1 (p107)

[NPU39126](#)

DNA(spec.)—RBL1 gene; seq.var. = ?

DNA(specification)—**RBL2 gene;****sequence variation**

name of component: retinoblastoma-like 2 (p130)

[NPU39127](#)

DNA(spec.)—RBL2 gene; seq.var. = ?

DNA(specification)—**RBM10 gene;****sequence variation**

name of component: RNA binding motif protein 10

[NPU39128](#)

DNA(spec.)—RBM10 gene; seq.var. = ?

DNA(specification)—**RBM11 gene;****sequence variation**

name of component: RNA binding motif protein 11

[NPU39129](#)

DNA(spec.)—RBM11 gene; seq.var. = ?

DNA(specification)—**RBM12 gene;****sequence variation**

name of component: RNA binding motif protein 12

[NPU39130](#)

DNA(spec.)—RBM12 gene; seq.var. = ?

DNA(specification)—**RBM13 gene;****sequence variation**

name of component: RNA binding motif protein 13

[NPU42276](#)

DNA(spec.)—RBM13 gene; seq.var. = ?

DNA(specification)—**RBM14 gene;****sequence variation**

name of component: RNA binding motif protein 14

[NPU42598](#)

DNA(spec.)—RBM14 gene; seq.var. = ?

DNA(specification)—**RBM15 gene;****sequence variation**

name of component: RNA binding motif protein 15

[NPU43201](#)

DNA(spec.)—RBM15 gene; seq.var. = ?

DNA(specification)—**RBM16 gene;****sequence variation**

name of component: RNA binding motif protein 16

[NPU47806](#)

DNA(spec.)—RBM16 gene; seq.var. = ?

DNA(specification)—**RBM3 gene;****sequence variation**

name of component: RNA binding motif protein 3

[NPU39131](#)

DNA(spec.)—RBM3 gene; seq.var. = ?

DNA(specification)—**RBM4 gene;****sequence variation**

name of component: RNA binding motif protein 4

[NPU39132](#)

DNA(spec.)—RBM4 gene; seq.var. = ?

DNA(specification)—**RBM5 gene;****sequence variation**

name of component: RNA binding motif protein 5

[NPU39133](#)

DNA(spec.)—RBM5 gene; seq.var. = ?

DNA(specification)—**RBM6 gene;****sequence variation**

name of component: RNA binding motif protein 6

[NPU39134](#)

DNA(spec.)—RBM6 gene; seq.var. = ?

DNA(specification)—**RBM7 gene;****sequence variation**

name of component: RNA binding motif protein 7

[NPU39135](#)

DNA(spec.)—RBM7 gene; seq.var. = ?

DNA(specification)—**RBM8A gene;****sequence variation**

name of component: RNA binding motif protein 8A

[NPU39136](#)

DNA(spec.)—RBM8A gene; seq.var. = ?

DNA(specification)—**RBM8B gene;****sequence variation**

name of component: RNA binding motif protein 8B pseudogene

[NPU42124](#)

DNA(spec.)—RBM8B gene; seq.var. = ?

DNA(specification)—**RBM9 gene;****sequence variation**

name of component: RNA binding motif protein 9

[NPU39137](#)

DNA(spec.)—RBM9 gene; seq.var. = ?

DNA(specification)—**RBMS1 gene;****sequence variation**

name of component: RNA binding motif, single stranded interacting protein 1

[NPU39138](#)

DNA(spec.)—RBMS1 gene; seq.var. = ?

DNA(specification)—**RBMS1P gene;****sequence variation**

name of component: RNA binding motif, single stranded interacting protein 1, pseudogene

[NPU39139](#)

DNA(spec.)—RBMS1P gene; seq.var. = ?

DNA(specification)—**RBMS2 gene;****sequence variation**

name of component: RNA binding motif, single stranded interacting protein 2

[NPU39140](#)

DNA(spec.)—RBMS2 gene; seq.var. = ?

DNA(specification)—**RBMS3 gene;****sequence variation**

name of component: RNA binding motif, single stranded interacting protein

[NPU42125](#)

DNA(spec.)—RBMS3 gene; seq.var. = ?

DNA(specification)—**RBMX gene;****sequence variation**

name of component: RNA binding motif protein, X chromosome

[NPU39141](#)

DNA(spec.)—RBMX gene; seq.var. = ?

DNA(specification)—**RBMXP1 gene;****sequence variation**

name of component: RNA binding motif protein, X chromosome pseudogene 1

[NPU39142](#)

DNA(spec.)—RBMXP1 gene; seq.var. = ?

DNA(specification)—**RBMY1A1 gene;****sequence variation**

name of component: RNA binding motif protein, Y chromosome, family 1, member A1

[NPU39143](#)

DNA(spec.)—RBMY1A1 gene; seq.var. = ?

DNA(specification)—**RBMY1A2 gene;****sequence variation**

name of component: RNA binding motif protein, Y chromosome, family 1, member A2

[NPU39144](#)

DNA(spec.)—RBMY1A2 gene; seq.var. = ?

DNA(specification)—**RBMY1A3P gene;****sequence variation**

name of component: RNA binding motif protein, Y chromosome, family 1, member A3 pseudogene

[NPU46702](#)

DNA(spec.)—RBMY1A3P gene; seq.var. = ?

DNA(specification)—**RBMY1C gene;****sequence variation**

name of component: RNA binding motif protein, Y chromosome, family 1, member C

[NPU39145](#)

DNA(spec.)—RBMY1C gene; seq.var. = ?

DNA(specification)—**RBMY1G gene;****sequence variation**

name of component: RNA binding motif protein, Y chromosome, family 1, member G

[NPU39146](#)

DNA(spec.)—RBMY1G gene; seq.var. = ?

DNA(specification)—**RBMY1H gene;****sequence variation**

name of component: RNA binding motif protein, Y chromosome, family 1, member H

[NPU39147](#)

DNA(spec.)—RBMY1H gene; seq.var. = ?

DNA(specification)—**RBMY2A gene;****sequence variation**

name of component: RNA binding motif protein, Y chromosome, family 2, member A

[NPU39148](#)

DNA(spec.)—RBMY2A gene; seq.var. = ?

DNA(specification)—**RBMY2B gene;****sequence variation**

name of component: RNA binding motif protein, Y chromosome, family 2, member B

[NPU39149](#)

DNA(spec.)—RBMY2B gene; seq.var. = ?

DNA(specification)—**RBP1 gene;****sequence variation**

name of component: retinol binding protein 1, cellular

[NPU39150](#)

DNA(spec.)—RBP1 gene; seq.var. = ?

DNA(specification)—**RBP2 gene;****sequence variation**

name of component: retinol binding protein 2, cellular

[NPU39151](#)

DNA(spec.)—RBP2 gene; seq.var. = ?

DNA(specification)—**RBP3 gene;****sequence variation**

name of component: retinol binding protein 3, interstitial

[NPU39152](#)

DNA(spec.)—RBP3 gene; seq.var. = ?

DNA(specification)—**RBP4 gene;****sequence variation**

name of component: retinol binding protein 4, plasma

[NPU39153](#)

DNA(spec.)—RBP4 gene; seq.var. = ?

DNA(specification)—**RBP5 gene;****sequence variation**

name of component: retinol binding protein 5, cellular

[NPU43940](#)

DNA(spec.)—RBP5 gene; seq.var. = ?

DNA(specification)—**RBPMMS gene;****sequence variation**

name of component: RNA binding protein with multiple splicing

[NPU46860](#)

DNA(spec.)—RBPMMS gene; seq.var. = ?

DNA(specification)—**RBPMMLP gene;****sequence variation**

name of component: RNA binding protein with multiple splicing-like pseudogene

[NPU39154](#)

DNA(spec.)—RBPMMLP gene; seq.var. = ?

DNA(specification)—**RBPSUH gene;****sequence variation**

name of component: recombining binding protein suppressor of hairless (Drosophila)

[NPU34656](#)

DNA(spec.)—RBPSUH gene; seq.var. = ?

DNA(specification)—**RBPSUHL gene;****sequence variation**

name of component: recombining binding protein suppressor of hairless (Drosophila)-like

[NPU42316](#)

DNA(spec.)—RBPSUHL gene; seq.var. = ?

DNA(specification)—**RBPSUHP1 gene;****sequence variation**

name of component: recombining binding protein suppressor of hairless (Drosophila) pseudogene 1

[NPU34657](#)

DNA(spec.)—RBPSUHP1 gene; seq.var. = ?

DNA(specification)—**RBPSUHP2 gene;****sequence variation**

name of component: recombining binding protein suppressor of hairless (Drosophila) pseudogene 2

[NPU34658](#)

DNA(spec.)—RBPSUHP2 gene; seq.var. = ?

DNA(specification)—**RBPSUHP3 gene;****sequence variation**

name of component: recombining binding protein suppressor of hairless (Drosophila) pseudogene 3

[NPU42271](#)

DNA(spec.)—RBPSUHP3 gene; seq.var. = ?

DNA(specification)—**RBPSUHP4 gene;****sequence variation**

name of component: recombining binding protein suppressor of hairless (Drosophila) pseudogene 4

[NPU42272](#)

DNA(spec.)—RBPSUHP4 gene; seq.var. = ?

DNA(specification)—**RBS gene;****sequence variation**

name of component: Roberts syndrome

[NPU39155](#)

DNA(spec.)—RBS gene; seq.var. = ?

DNA(specification)—**RBX1 gene;****sequence variation**

name of component: ring-box 1

[NPU39156](#)

DNA(spec.)—RBX1 gene; seq.var. = ?

DNA(specification)—**RCA1 gene;****sequence variation**

name of component: renal carcinoma, familial, associated 1

[NPU39157](#)

DNA(spec.)—RCA1 gene; seq.var. = ?

DNA(specification)—**RCBTB1 gene;****sequence variation**

name of component: regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing protein 1

[NPU46357](#)

DNA(spec.)—RCBTB1 gene; seq.var. = ?

DNA(specification)—**RCD1 gene;****sequence variation**

name of component: retinal cone dystrophy 1

[NPU39158](#)

DNA(spec.)—RCD1 gene; seq.var. = ?

DNA(specification)—**RCE1 gene;****sequence variation**

name of component: RCE1 homolog, prenyl protein protease (*S. cerevisiae*)

[NPU42287](#)

DNA(spec.)—RCE1 gene; seq.var. = ?

DNA(specification)—**RCN1 gene;****sequence variation**

name of component: reticulocalbin 1, EF-hand calcium binding domain

[NPU39159](#)

DNA(spec.)—RCN1 gene; seq.var. = ?

DNA(specification)—**RCN2 gene;****sequence variation**

name of component: reticulocalbin 2, EF-hand calcium binding domain

[NPU39160](#)

DNA(spec.)—RCN2 gene; seq.var. = ?

DNA(specification)—**RCN3 gene;****sequence variation**

name of component: reticulocalbin 3, EF-hand calcium binding domain

[NPU47879](#)

DNA(spec.)—RCN3 gene; seq.var. = ?

DNA(specification)—**RCOR gene;****sequence variation**

name of component: REST corepressor

[NPU46024](#)

DNA(spec.)—RCOR gene; seq.var. = ?

DNA(specification)—**RCV1 gene;****sequence variation**

name of component: recoverin

[NPU39162](#)

DNA(spec.)—RCV1 gene; seq.var. = ?

DNA(specification)—**RD gene;****sequence variation**

name of component: Radin blood group

[NPU39163](#)

DNA(spec.)—RD gene; seq.var. = ?

DNA(specification)—**RDBP gene;****sequence variation**

name of component: RD RNA binding protein

[NPU42426](#)

DNA(spec.)—RDBP gene; seq.var. = ?

DNA(specification)—**RDH10 gene;****sequence variation**

name of component: retinol dehydrogenase 10 (all-trans)

[NPU47338](#)

DNA(spec.)—RDH10 gene; seq.var. = ?

DNA(specification)—**RDH11 gene;****sequence variation**

name of component: retinol dehydrogenase 11 (all-trans and 9-cis)

[NPU46198](#)

DNA(spec.)—RDH11 gene; seq.var. = ?

DNA(specification)—**RDH12 gene;****sequence variation**

name of component: retinol dehydrogenase 12 (all-trans and 9-cis)

[NPU47339](#)

DNA(spec.)—RDH12 gene; seq.var. = ?

DNA(specification)—**RDH13 gene;****sequence variation**

name of component: retinol dehydrogenase 13 (all-trans and 9-cis)

[NPU47340](#)

DNA(spec.)—RDH13 gene; seq.var. = ?

DNA(specification)—**RDH14 gene;****sequence variation**

name of component: retinol dehydrogenase 14 (all-trans and 9-cis)

[NPU47341](#)

DNA(spec.)—RDH14 gene; seq.var. = ?

DNA(specification)—**RDH5 gene;****sequence variation**

name of component: retinol dehydrogenase 5 (11-cis and 9-cis)

[NPU39164](#)

DNA(spec.)—RDH5 gene; seq.var. = ?

DNA(specification)—**RDH8 gene;****sequence variation**

name of component: retinol dehydrogenase 8 (all-trans)

[NPU42742](#)

DNA(spec.)—RDH8 gene; seq.var. = ?

DNA(specification)—**RDS gene;****sequence variation**

name of component: retinal degeneration, slow

[NPU39165](#)

DNA(spec.)—RDS gene; seq.var. = ?

DNA(specification)—**RDX gene;****sequence variation**

name of component: radixin

[NPU39166](#)

DNA(spec.)—RDX gene; seq.var. = ?

DNA(specification)—**RDXP1 gene;****sequence variation**

name of component: radixin pseudogene 1

[NPU39167](#)

DNA(spec.)—RDXP1 gene; seq.var. = ?

DNA(specification)—**RDXP2 gene;****sequence variation**

name of component: radixin pseudogene 2

[NPU39168](#)

DNA(spec.)—RDXP2 gene; seq.var. = ?

DNA(specification)—**RECK gene;****sequence variation**

name of component: reversion-inducing-cysteine-rich protein with kazal motifs

[NPU40422](#)

DNA(spec.)—RECK gene; seq.var. = ?

DNA(specification)—**RECQL gene;****sequence variation**

name of component: RecQ protein-like (DNA heli-case Q1-like)

[NPU39169](#)

DNA(spec.)—RECQL gene; seq.var. = ?

DNA(specification)—**RECQL4 gene;****sequence variation**

name of component: RecQ protein-like 4

[NPU39170](#)

DNA(spec.)—RECQL4 gene; seq.var. = ?

DNA(specification)—**RECQL5 gene;****sequence variation**

name of component: RecQ protein-like 5

[NPU39171](#)

DNA(spec.)—RECQL5 gene; seq.var. = ?

DNA(specification)—**REG1A gene;****sequence variation**

name of component: regenerating islet-derived 1 alpha (pancreatic stone protein, pancreatic thread protein)

[NPU39172](#)

DNA(spec.)—REG1A gene; seq.var. = ?

DNA(specification)—**REG1B gene;****sequence variation**

name of component: regenerating islet-derived 1 beta (pancreatic stone protein, pancreatic thread protein)

[NPU39173](#)

DNA(spec.)—REG1B gene; seq.var. = ?

DNA(specification)—**REGL gene;****sequence variation**

name of component: regenerating islet-derived-like, pancreatic stone protein-like, pancreatic thread protein-like (rat)

[NPU39174](#)

DNA(spec.)—REGL gene; seq.var. = ?

DNA(specification)—**REL gene;****sequence variation**

name of component: v-rel reticuloendotheliosis viral oncogene homolog (avian)

[NPU39175](#)

DNA(spec.)—REL gene; seq.var. = ?

DNA(specification)—**RELA gene;****sequence variation**

name of component: v-rel reticuloendotheliosis viral oncogene homolog A, nuclear factor of kappa light polypeptide gene enhancer in B-cells 3, p65 (avian)

[NPU39176](#)

DNA(spec.)—RELA gene; seq.var. = ?

DNA(specification)—**RELB gene;****sequence variation**

name of component: v-rel reticuloendotheliosis
viral oncogene homolog B, nuclear factor of kappa
light polypeptide gene enhancer in B-cells 3
(avian)

[NPU39177](#)

DNA(spec.)—RELB gene; seq.var. = ?

DNA(specification)—**RELN gene;****sequence variation**

name of component: reelin

[NPU39178](#)

DNA(spec.)—RELN gene; seq.var. = ?

DNA(specification)—**REM gene;****sequence variation**

name of component: RAS (RAD and GEM)-like
GTP-binding

[NPU44004](#)

DNA(spec.)—REM gene; seq.var. = ?

DNA(specification)—**REM2 gene;****sequence variation**

name of component: RAS (RAD and GEM) like
GTP binding 2

[NPU47513](#)

DNA(spec.)—REM2 gene; seq.var. = ?

DNA(specification)—**REN gene;****sequence variation**

name of component: renin

[NPU39179](#)

DNA(spec.)—REN gene; seq.var. = ?

DNA(specification)—**RENBP gene;****sequence variation**

name of component: renin binding protein

[NPU39180](#)

DNA(spec.)—RENBP gene; seq.var. = ?

DNA(specification)—**RENS1 gene;****sequence variation**

name of component: Renpenning syndrome 1

[NPU39181](#)

DNA(spec.)—RENS1 gene; seq.var. = ?

DNA(specification)—**RENS2 gene;****sequence variation**

name of component: Renpenning syndrome 2
(Renpenning-like syndrome)

[NPU39182](#)

DNA(spec.)—RENS2 gene; seq.var. = ?

DNA(specification)—**RENT1 gene;****sequence variation**

name of component: regulator of nonsense tran-
scripts 1

[NPU39183](#)

DNA(spec.)—RENT1 gene; seq.var. = ?

DNA(specification)—**REPS1 gene;****sequence variation**

name of component: RALBP1 associated Eps do-
main containing 1

[NPU43755](#)

DNA(spec.)—REPS1 gene; seq.var. = ?

DNA(specification)—**REPS2 gene;****sequence variation**

name of component: RALBP1 associated Eps do-
main containing 2

[NPU39184](#)

DNA(spec.)—REPS2 gene; seq.var. = ?

DNA(specification)—**REQ gene;****sequence variation**

name of component: requiem, apoptosis response
zinc finger gene

[NPU39185](#)

DNA(spec.)—REQ gene; seq.var. = ?

DNA(specification)—**RERE gene;****sequence variation**

name of component: arginine-glutamic acid dipep-
tide (RE) repeats

[NPU39186](#)

DNA(spec.)—RERE gene; seq.var. = ?

DNA(specification)—**RERG gene;****sequence variation**

name of component: RAS-like, estrogen-regulated,
growth-inhibitor

[NPU44057](#)

DNA(spec.)—RERG gene; seq.var. = ?

DNA(specification)—**REST gene;****sequence variation**

name of component: RE1-silencing transcription factor

[NPU39187](#)

DNA(spec.)—REST gene; seq.var. = ?

DNA(specification)—**RET gene;****sequence variation**

name of component: ret proto-oncogene (multiple endocrine neoplasia and medullary thyroid carcinoma 1, Hirschsprung disease)

[NPU19181](#)

DNA(spec.)—RET gene; seq.var. = ?

DNA(specification)—**RETN gene;****sequence variation**

name of component: resistin

[NPU47594](#)

DNA(spec.)—RETN gene; seq.var. = ?

DNA(specification)—**RETNLB gene;****sequence variation**

name of component: resistin like beta

[NPU47593](#)

DNA(spec.)—RETNLB gene; seq.var. = ?

DNA(specification)—**REV1L gene;****sequence variation**

name of component: REV1-like (yeast)

[NPU42483](#)

DNA(spec.)—REV1L gene; seq.var. = ?

DNA(specification)—**REV3L gene;****sequence variation**

name of component: REV3-like, catalytic subunit of DNA polymerase zeta (yeast)

[NPU39188](#)

DNA(spec.)—REV3L gene; seq.var. = ?

DNA(specification)—**RFC1 gene;****sequence variation**

name of component: replication factor C (activator 1) 1, 145 kDa

[NPU39189](#)

DNA(spec.)—RFC1 gene; seq.var. = ?

DNA(specification)—**RFC2 gene;****sequence variation**

name of component: replication factor C (activator 1) 2, 40 kDa

[NPU39190](#)

DNA(spec.)—RFC2 gene; seq.var. = ?

DNA(specification)—**RFC3 gene;****sequence variation**

name of component: replication factor C (activator 1) 3, 38 kDa

[NPU39191](#)

DNA(spec.)—RFC3 gene; seq.var. = ?

DNA(specification)—**RFC4 gene;****sequence variation**

name of component: replication factor C (activator 1) 4, 37 kDa

[NPU39192](#)

DNA(spec.)—RFC4 gene; seq.var. = ?

DNA(specification)—**RFC5 gene;****sequence variation**

name of component: replication factor C (activator 1) 5, 36.5 kDa

[NPU39193](#)

DNA(spec.)—RFC5 gene; seq.var. = ?

DNA(specification)—**RFNG gene;****sequence variation**

name of component: radical fringe homolog (Drosophila)

[NPU39194](#)

DNA(spec.)—RFNG gene; seq.var. = ?

DNA(specification)—**RFP gene;****sequence variation**

name of component: ret finger protein

[NPU39195](#)

DNA(spec.)—RFP gene; seq.var. = ?

DNA(specification)—**RFP2 gene;****sequence variation**

name of component: ret finger protein 2

[NPU39196](#)

DNA(spec.)—RFP2 gene; seq.var. = ?

DNA(specification)—**RFPL1 gene;****sequence variation**

name of component: ret finger protein-like 1

[NPU39197](#)

DNA(spec.)—RFPL1 gene; seq.var. = ?

DNA(specification)—
RFPL1S gene;
sequence variation
name of component: ret finger protein-like 1 antisense
[NPU39198](#)
DNA(spec.)—RFPL1S gene; seq.var. = ?

DNA(specification)—
RFPL2 gene;
sequence variation
name of component: ret finger protein-like 2
[NPU39199](#)
DNA(spec.)—RFPL2 gene; seq.var. = ?

DNA(specification)—
RFPL3 gene;
sequence variation
name of component: ret finger protein-like 3
[NPU39200](#)
DNA(spec.)—RFPL3 gene; seq.var. = ?

DNA(specification)—
RFPL3S gene;
sequence variation
name of component: ret finger protein-like 3 antisense
[NPU39201](#)
DNA(spec.)—RFPL3S gene; seq.var. = ?

DNA(specification)—
RFPL4 gene;
sequence variation
name of component: ret finger protein-like 4
[NPU44446](#)
DNA(spec.)—RFPL4 gene; seq.var. = ?

DNA(specification)—
RFWD1 gene;
sequence variation
name of component: ring finger and WD repeat domain 1
[NPU47628](#)
DNA(spec.)—RFWD1 gene; seq.var. = ?

DNA(specification)—
RFX1 gene;
sequence variation
name of component: regulatory factor X, 1 (influences HLA class II expression)
[NPU39202](#)
DNA(spec.)—RFX1 gene; seq.var. = ?

DNA(specification)—
RFX2 gene;
sequence variation
name of component: regulatory factor X, 2 (influences HLA class II expression)
[NPU39203](#)
DNA(spec.)—RFX2 gene; seq.var. = ?

DNA(specification)—
RFX3 gene;
sequence variation
name of component: regulatory factor X, 3 (influences HLA class II expression)
[NPU39204](#)
DNA(spec.)—RFX3 gene; seq.var. = ?

DNA(specification)—
RFX4 gene;
sequence variation
name of component: regulatory factor X, 4 (influences HLA class II expression)
[NPU39205](#)
DNA(spec.)—RFX4 gene; seq.var. = ?

DNA(specification)—
RFX5 gene;
sequence variation
name of component: regulatory factor X, 5 (influences HLA class II expression)
[NPU39206](#)
DNA(spec.)—RFX5 gene; seq.var. = ?

DNA(specification)—
RFXANK gene;
sequence variation
name of component: regulatory factor X-associated ankyrin-containing protein
[NPU39207](#)
DNA(spec.)—RFXANK gene; seq.var. = ?

DNA(specification)—
RFXAP gene;
sequence variation
name of component: regulatory factor X-associated protein
[NPU39208](#)
DNA(spec.)—RFXAP gene; seq.var. = ?

DNA(specification)—
RGN gene;
sequence variation
name of component: regucalcin (senescence marker protein-30)
[NPU39209](#)
DNA(spec.)—RGN gene; seq.var. = ?

DNA(specification)—**RGR gene;****sequence variation**

name of component: retinal G protein coupled receptor

[NPU39210](#)

DNA(spec.)—RGR gene; seq.var. = ?

DNA(specification)—**RGS1 gene;****sequence variation**

name of component: regulator of G-protein signalling 1

[NPU39211](#)

DNA(spec.)—RGS1 gene; seq.var. = ?

DNA(specification)—**RGS10 gene;****sequence variation**

name of component: regulator of G-protein signalling 10

[NPU39212](#)

DNA(spec.)—RGS10 gene; seq.var. = ?

DNA(specification)—**RGS11 gene;****sequence variation**

name of component: regulator of G-protein signalling 11

[NPU39213](#)

DNA(spec.)—RGS11 gene; seq.var. = ?

DNA(specification)—**RGS12 gene;****sequence variation**

name of component: regulator of G-protein signalling 12

[NPU39214](#)

DNA(spec.)—RGS12 gene; seq.var. = ?

DNA(specification)—**RGS13 gene;****sequence variation**

name of component: regulator of G-protein signalling 13

[NPU39215](#)

DNA(spec.)—RGS13 gene; seq.var. = ?

DNA(specification)—**RGS14 gene;****sequence variation**

name of component: regulator of G-protein signalling 14

[NPU39216](#)

DNA(spec.)—RGS14 gene; seq.var. = ?

DNA(specification)—**RGS16 gene;****sequence variation**

name of component: regulator of G-protein signalling 16

[NPU39217](#)

DNA(spec.)—RGS16 gene; seq.var. = ?

DNA(specification)—**RGS17 gene;****sequence variation**

name of component: regulator of G-protein signalling 17

[NPU42502](#)

DNA(spec.)—RGS17 gene; seq.var. = ?

DNA(specification)—**RGS18 gene;****sequence variation**

name of component: regulator of G-protein signalling 18

[NPU42628](#)

DNA(spec.)—RGS18 gene; seq.var. = ?

DNA(specification)—**RGS19 gene;****sequence variation**

name of component: regulator of G-protein signalling 19

[NPU42300](#)

DNA(spec.)—RGS19 gene; seq.var. = ?

DNA(specification)—**RGS19IP1 gene;****sequence variation**

name of component: regulator of G-protein signalling 19 interacting protein 1

[NPU31002](#)

DNA(spec.)—RGS19IP1 gene; seq.var. = ?

DNA(specification)—**RGS2 gene;****sequence variation**

name of component: regulator of G-protein signalling 2, 24 kDa

[NPU39218](#)

DNA(spec.)—RGS2 gene; seq.var. = ?

DNA(specification)—**RGS20 gene;****sequence variation**

name of component: regulator of G-protein signalling 20

[NPU42888](#)

DNA(spec.)—RGS20 gene; seq.var. = ?

DNA(specification)—**RGS3 gene;****sequence variation**

name of component: regulator of G-protein signaling 3

[NPU39219](#)

DNA(spec.)—RGS3 gene; seq.var. = ?

DNA(specification)—**RGS4 gene;****sequence variation**

name of component: regulator of G-protein signaling 4

[NPU39220](#)

DNA(spec.)—RGS4 gene; seq.var. = ?

DNA(specification)—**RGS5 gene;****sequence variation**

name of component: regulator of G-protein signaling 5

[NPU39221](#)

DNA(spec.)—RGS5 gene; seq.var. = ?

DNA(specification)—**RGS6 gene;****sequence variation**

name of component: regulator of G-protein signaling 6

[NPU39222](#)

DNA(spec.)—RGS6 gene; seq.var. = ?

DNA(specification)—**RGS7 gene;****sequence variation**

name of component: regulator of G-protein signaling 7

[NPU39223](#)

DNA(spec.)—RGS7 gene; seq.var. = ?

DNA(specification)—**RGS8 gene;****sequence variation**

name of component: regulator of G-protein signaling 8

[NPU44710](#)

DNA(spec.)—RGS8 gene; seq.var. = ?

DNA(specification)—**RGS9 gene;****sequence variation**

name of component: regulator of G-protein signaling 9

[NPU39224](#)

DNA(spec.)—RGS9 gene; seq.var. = ?

DNA(specification)—**RHAG gene;****sequence variation**

name of component: Rhesus blood group-associated glycoprotein

[NPU39225](#)

DNA(spec.)—RHAG gene; seq.var. = ?

DNA(specification)—**RHBDF1 gene;****sequence variation**

name of component: rhomboid family 1 (Drosophila)

[NPU47661](#)

DNA(spec.)—RHBDF1 gene; seq.var. = ?

DNA(specification)—**RHBDL1 gene;****sequence variation**

name of component: rhomboid, veinlet-like 1 (Drosophila)

[NPU39226](#)

DNA(spec.)—RHBDL1 gene; seq.var. = ?

DNA(specification)—**RHBDL2 gene;****sequence variation**

name of component: rhomboid, veinlet-like 2 (Drosophila)

[NPU44131](#)

DNA(spec.)—RHBDL2 gene; seq.var. = ?

DNA(specification)—**RHBDL3 gene;****sequence variation**

name of component: rhomboid, veinlet-like 3 (Drosophila)

[NPU44491](#)

DNA(spec.)—RHBDL3 gene; seq.var. = ?

DNA(specification)—**RHBDL4 gene;****sequence variation**

name of component: rhomboid, veinlet-like 4 (Drosophila)

[NPU46931](#)

DNA(spec.)—RHBDL4 gene; seq.var. = ?

DNA(specification)—**RHBG gene;****sequence variation**

name of component: Rhesus blood group, B glycoprotein

[NPU42870](#)

DNA(spec.)—RHBG gene; seq.var. = ?

DNA(specification)—**RHCE gene;****sequence variation**

name of component: Rhesus blood group, CcEe antigens

[NPU39227](#)

DNA(spec.)—RHCE gene; seq.var. = ?

DNA(specification)—**RHCG gene;****sequence variation**

name of component: Rhesus blood group, C glycoprotein

[NPU46318](#)

DNA(spec.)—RHCG gene; seq.var. = ?

DNA(specification)—**RHD gene;****sequence variation**

name of component: Rhesus blood group, D antigen

[NPU19182](#)

DNA(spec.)—RHD gene; seq.var. = ?

DNA(specification)—**RHD gene(MIM111680.0001);****entitic number(0 1 2)**

NPU19305

DNA(spec.)—RHD gene(MIM111680.0001); entitic num.(0 1 2) = ?

DNA(specification)—**RHEB1 gene;****sequence variation**

name of component: Ras homolog enriched in brain 1

[NPU39228](#)

DNA(spec.)—RHEB1 gene; seq.var. = ?

DNA(specification)—**RHEB2 gene;****sequence variation**

name of component: Ras homolog enriched in brain 2

[NPU39229](#)

DNA(spec.)—RHEB2 gene; seq.var. = ?

DNA(specification)—**RHEBL1 gene;****sequence variation**

name of component: Ras homolog enriched in brain like 1

[NPU47896](#)

DNA(spec.)—RHEBL1 gene; seq.var. = ?

DNA(specification)—**RHO gene;****sequence variation**

name of component: rhodopsin (opsin 2, rod pigment) (retinitis pigmentosa 4, autosomal dominant)

[NPU39230](#)

DNA(spec.)—RHO gene; seq.var. = ?

DNA(specification)—**RHOBTB1 gene;****sequence variation**

name of component: Rho-related BTB domain containing 1

[NPU46645](#)

DNA(spec.)—RHOBTB1 gene; seq.var. = ?

DNA(specification)—**RHOBTB2 gene;****sequence variation**

name of component: Rho-related BTB domain containing 2

[NPU46659](#)

DNA(spec.)—RHOBTB2 gene; seq.var. = ?

DNA(specification)—**RHOBTB3 gene;****sequence variation**

name of component: Rho-related BTB domain containing 3

[NPU46660](#)

DNA(spec.)—RHOBTB3 gene; seq.var. = ?

DNA(specification)—**RHOK gene;****sequence variation**

name of component: rhodopsin kinase

[NPU39231](#)

DNA(spec.)—RHOK gene; seq.var. = ?

DNA(specification)—**RHPN1 gene;****sequence variation**

name of component: rhophilin, Rho GTPase binding protein 1

[NPU47336](#)

DNA(spec.)—RHPN1 gene; seq.var. = ?

DNA(specification)—**RHPN2 gene;****sequence variation**

name of component: rhophilin, Rho GTPase binding protein 2

[NPU47337](#)

DNA(spec.)—RHPN2 gene; seq.var. = ?

DNA(specification)—**RIEG2 gene;****sequence variation**

name of component: Rieger syndrome 2

[NPU39232](#)

DNA(spec.)—RIEG2 gene; seq.var. = ?

DNA(specification)—**RIMKLP gene;****sequence variation**

name of component: ribosomal modification protein rimK-like (E. coli) pseudogene

[NPU39233](#)

DNA(spec.)—RIMKLP gene; seq.var. = ?

DNA(specification)—**RIMS1 gene;****sequence variation**

name of component: regulating synaptic membrane exocytosis 1

[NPU44953](#)

DNA(spec.)—RIMS1 gene; seq.var. = ?

DNA(specification)—**RIMS2 gene;****sequence variation**

name of component: regulating synaptic membrane exocytosis 2

[NPU44954](#)

DNA(spec.)—RIMS2 gene; seq.var. = ?

DNA(specification)—**RIN1 gene;****sequence variation**

name of component: Ras and Rab interactor 1

[NPU46652](#)

DNA(spec.)—RIN1 gene; seq.var. = ?

DNA(specification)—**RIN2 gene;****sequence variation**

name of component: Ras and Rab interactor 2

[NPU46653](#)

DNA(spec.)—RIN2 gene; seq.var. = ?

DNA(specification)—**RIN3 gene;****sequence variation**

name of component: Ras and Rab interactor 3

[NPU46654](#)

DNA(spec.)—RIN3 gene; seq.var. = ?

DNA(specification)—**RING1 gene;****sequence variation**

name of component: ring finger protein 1

[NPU39235](#)

DNA(spec.)—RING1 gene; seq.var. = ?

DNA(specification)—**RIPK1 gene;****sequence variation**

name of component: receptor (TNFRSF)-interacting serine-threonine kinase 1

[NPU39236](#)

DNA(spec.)—RIPK1 gene; seq.var. = ?

DNA(specification)—**RIPK2 gene;****sequence variation**

name of component: receptor-interacting serine-threonine kinase 2

[NPU39237](#)

DNA(spec.)—RIPK2 gene; seq.var. = ?

DNA(specification)—**RIPK3 gene;****sequence variation**

name of component: receptor-interacting serine-threonine kinase 3

[NPU39238](#)

DNA(spec.)—RIPK3 gene; seq.var. = ?

DNA(specification)—**RIT1 gene;****sequence variation**

name of component: Ras-like without CAAX 1

[NPU39239](#)

DNA(spec.)—RIT1 gene; seq.var. = ?

DNA(specification)—**RIT2 gene;****sequence variation**

name of component: Ras-like without CAAX 2

[NPU39234](#)

DNA(spec.)—RIT2 gene; seq.var. = ?

DNA(specification)—**RLBP1 gene;****sequence variation**

name of component: retinaldehyde binding protein 1

[NPU39240](#)

DNA(spec.)—RLBP1 gene; seq.var. = ?

DNA(specification)—**RLF gene;****sequence variation**

name of component: rearranged L-myc fusion sequence

[NPU39241](#)

DNA(spec.)—RLF gene; seq.var. = ?

DNA(specification)—**RLN1 gene;****sequence variation**

name of component: relaxin 1 (H1)

[NPU39242](#)

DNA(spec.)—RLN1 gene; seq.var. = ?

DNA(specification)—**RLN2 gene;****sequence variation**

name of component: relaxin 2 (H2)

[NPU39243](#)

DNA(spec.)—RLN2 gene; seq.var. = ?

DNA(specification)—**RLN3 gene;****sequence variation**

name of component: relaxin 3 (H3)

[NPU44875](#)

DNA(spec.)—RLN3 gene; seq.var. = ?

DNA(specification)—**RMD1 gene;****sequence variation**

name of component: rippling muscle disease 1

[NPU39244](#)

DNA(spec.)—RMD1 gene; seq.var. = ?

DNA(specification)—**RMRP gene;****sequence variation**

name of component: RNA component of mitochondrial RNA processing endoribonuclease

[NPU39245](#)

DNA(spec.)—RMRP gene; seq.var. = ?

DNA(specification)—**RN5S1@ gene;****sequence variation**

name of component: RNA, 5S cluster 1

[NPU39246](#)

DNA(spec.)—RN5S1@ gene; seq.var. = ?

DNA(specification)—**RN5S2@ gene;****sequence variation**

name of component: RNA, 5S cluster 2

[NPU39247](#)

DNA(spec.)—RN5S2@ gene; seq.var. = ?

DNA(specification)—**RN5S3@ gene;****sequence variation**

name of component: RNA, 5S cluster 3

[NPU39248](#)

DNA(spec.)—RN5S3@ gene; seq.var. = ?

DNA(specification)—**RN7SK gene;****sequence variation**

name of component: RNA, 7SK, nuclear

[NPU39249](#)

DNA(spec.)—RN7SK gene; seq.var. = ?

DNA(specification)—**RN7SL gene;****sequence variation**

name of component: RNA, 7SL, cytoplasmic

[NPU39250](#)

DNA(spec.)—RN7SL gene; seq.var. = ?

DNA(specification)—**RN7SLP1 gene;****sequence variation**

name of component: RNA, 7SL, cytoplasmic, pseudogene 1

[NPU39251](#)

DNA(spec.)—RN7SLP1 gene; seq.var. = ?

DNA(specification)—**RN7SLP2 gene;****sequence variation**

name of component: RNA, 7SL, cytoplasmic, pseudogene 2

[NPU39252](#)

DNA(spec.)—RN7SLP2 gene; seq.var. = ?

DNA(specification)—**RN7SLP3 gene;****sequence variation**

name of component: RNA, 7SL, cytoplasmic, pseudogene 3

[NPU39253](#)

DNA(spec.)—RN7SLP3 gene; seq.var. = ?

DNA(specification)—**RN7SLP4 gene;****sequence variation**

name of component: RNA, 7SL, cytoplasmic, pseudogene 4

[NPU39254](#)

DNA(spec.)—RN7SLP4 gene; seq.var. = ?

DNA(specification)—**RN7SLP5 gene;****sequence variation**

name of component: RNA, 7SL, cytoplasmic, pseudogene 5

[NPU39255](#)

DNA(spec.)—RN7SLP5 gene; seq.var. = ?

DNA(specification)—**RNASE1 gene;****sequence variation**

name of component: ribonuclease, RNase A family, 1 (pancreatic)

[NPU39256](#)

DNA(spec.)—RNASE1 gene; seq.var. = ?

DNA(specification)—**RNASE2 gene;****sequence variation**

name of component: ribonuclease, RNase A family, 2 (liver, eosinophil-derived neurotoxin)

[NPU39257](#)

DNA(spec.)—RNASE2 gene; seq.var. = ?

DNA(specification)—**RNASE3 gene;****sequence variation**

name of component: ribonuclease, RNase A family, 3 (eosinophil cationic protein)

[NPU39258](#)

DNA(spec.)—RNASE3 gene; seq.var. = ?

DNA(specification)—**RNASE4 gene;****sequence variation**

name of component: ribonuclease, RNase A family, 4

[NPU39259](#)

DNA(spec.)—RNASE4 gene; seq.var. = ?

DNA(specification)—**RNASE6 gene;****sequence variation**

name of component: ribonuclease, RNase A family, k6

[NPU39260](#)

DNA(spec.)—RNASE6 gene; seq.var. = ?

DNA(specification)—**RNASE7 gene;****sequence variation**

name of component: ribonuclease, RNase A family, 7

[NPU46953](#)

DNA(spec.)—RNASE7 gene; seq.var. = ?

DNA(specification)—**RNASE8 gene;****sequence variation**

name of component: ribonuclease, RNase A family, 8

[NPU46952](#)

DNA(spec.)—RNASE8 gene; seq.var. = ?

DNA(specification)—**RNASEH1 gene;****sequence variation**

name of component: ribonuclease H1

[NPU46476](#)

DNA(spec.)—RNASEH1 gene; seq.var. = ?

DNA(specification)—**RNASEH1P1 gene;****sequence variation**

name of component: ribonuclease H1 pseudogene 1

[NPU39261](#)

DNA(spec.)—RNASEH1P1 gene; seq.var. = ?

DNA(specification)—**RNASEH2A gene;****sequence variation**

name of component: ribonuclease H2, large subunit

[NPU46512](#)

DNA(spec.)—RNASEH2A gene; seq.var. = ?

DNA(specification)—**RNASEL gene;****sequence variation**

name of component: ribonuclease L (2',5'-oligoadenylate synthetase-dependent)

[NPU39262](#)

DNA(spec.)—RNASEL gene; seq.var. = ?

DNA(specification)—**RNASEP1 gene;****sequence variation**

name of component: ribonuclease P1

[NPU47821](#)

DNA(spec.)—RNASEP1 gene; seq.var. = ?

DNA(specification)—**RNF10 gene;****sequence variation**

name of component: ring finger protein 10

[NPU39263](#)

DNA(spec.)—RNF10 gene; seq.var. = ?

DNA(specification)—**RNF103 gene;****sequence variation**

name of component: ring finger protein 103

[NPU41718](#)

DNA(spec.)—RNF103 gene; seq.var. = ?

DNA(specification)—**RNF11 gene;****sequence variation**

name of component: ring finger protein 11

[NPU39264](#)

DNA(spec.)—RNF11 gene; seq.var. = ?

DNA(specification)—**RNF110 gene;****sequence variation**

name of component: ring finger protein 110

[NPU41787](#)

DNA(spec.)—RNF110 gene; seq.var. = ?

DNA(specification)—
RNF111 gene;
sequence variation
name of component: ring finger protein 111
[NPU46018](#)
DNA(spec.)—RNF111 gene; seq.var. = ?

DNA(specification)—
RNF11B gene;
sequence variation
name of component: ring finger protein 11B, pseudogene
[NPU44516](#)
DNA(spec.)—RNF11B gene; seq.var. = ?

DNA(specification)—
RNF12 gene;
sequence variation
name of component: ring finger protein 12
[NPU42126](#)
DNA(spec.)—RNF12 gene; seq.var. = ?

DNA(specification)—
RNF121 gene;
sequence variation
name of component: ring finger protein 121
[NPU47855](#)
DNA(spec.)—RNF121 gene; seq.var. = ?

DNA(specification)—
RNF122 gene;
sequence variation
name of component: ring finger protein 122
[NPU47881](#)
DNA(spec.)—RNF122 gene; seq.var. = ?

DNA(specification)—
RNF123 gene;
sequence variation
name of component: ring finger protein 123
[NPU47882](#)
DNA(spec.)—RNF123 gene; seq.var. = ?

DNA(specification)—
RNF125 gene;
sequence variation
name of component: ring finger protein 125
[NPU47884](#)
DNA(spec.)—RNF125 gene; seq.var. = ?

DNA(specification)—
RNF126 gene;
sequence variation
name of component: ring finger protein 126
[NPU47885](#)
DNA(spec.)—RNF126 gene; seq.var. = ?

DNA(specification)—
RNF127 gene;
sequence variation
name of component: ring finger protein 127
[NPU47886](#)
DNA(spec.)—RNF127 gene; seq.var. = ?

DNA(specification)—
RNF128 gene;
sequence variation
name of component: ring finger protein 128
[NPU47887](#)
DNA(spec.)—RNF128 gene; seq.var. = ?

DNA(specification)—
RNF129 gene;
sequence variation
name of component: ring finger protein 129
[NPU47893](#)
DNA(spec.)—RNF129 gene; seq.var. = ?

DNA(specification)—
RNF13 gene;
sequence variation
name of component: ring finger protein 13
[NPU39265](#)
DNA(spec.)—RNF13 gene; seq.var. = ?

DNA(specification)—
RNF130 gene;
sequence variation
name of component: ring finger protein 130
[NPU46376](#)
DNA(spec.)—RNF130 gene; seq.var. = ?

DNA(specification)—
RNF131 gene;
sequence variation
name of component: ring finger protein 131
[NPU46033](#)
DNA(spec.)—RNF131 gene; seq.var. = ?

DNA(specification)—
RNF133 gene;
sequence variation
name of component: ring finger protein 133
[NPU47888](#)
DNA(spec.)—RNF133 gene; seq.var. = ?

DNA(specification)—
RNF134 gene;
sequence variation
name of component: ring finger protein 134
[NPU47889](#)
DNA(spec.)—RNF134 gene; seq.var. = ?

DNA(specification)—
RNF135 gene;
sequence variation
name of component: ring finger protein 135
[NPU47890](#)
DNA(spec.)—RNF135 gene; seq.var. = ?

DNA(specification)—
RNF137 gene;
sequence variation
name of component: ring finger protein 137
[NPU47892](#)
DNA(spec.)—RNF137 gene; seq.var. = ?

DNA(specification)—
RNF138 gene;
sequence variation
name of component: ring finger protein 138
[NPU46091](#)
DNA(spec.)—RNF138 gene; seq.var. = ?

DNA(specification)—
RNF139 gene;
sequence variation
name of component: ring finger 139
[NPU44817](#)
DNA(spec.)—RNF139 gene; seq.var. = ?

DNA(specification)—
RNF14 gene;
sequence variation
name of component: ring finger protein 14
[NPU39266](#)
DNA(spec.)—RNF14 gene; seq.var. = ?

DNA(specification)—
RNF141 gene;
sequence variation
name of component: ring finger protein 141
[NPU47891](#)
DNA(spec.)—RNF141 gene; seq.var. = ?

DNA(specification)—
RNF144 gene;
sequence variation
name of component: ring finger protein 144
[NPU47629](#)
DNA(spec.)—RNF144 gene; seq.var. = ?

DNA(specification)—
RNF145 gene;
sequence variation
name of component: ring finger protein 145
[NPU47779](#)
DNA(spec.)—RNF145 gene; seq.var. = ?

DNA(specification)—
RNF17 gene;
sequence variation
name of component: ring finger protein 17
[NPU39268](#)
DNA(spec.)—RNF17 gene; seq.var. = ?

DNA(specification)—
RNF18 gene;
sequence variation
name of component: ring finger protein 18
[NPU42128](#)
DNA(spec.)—RNF18 gene; seq.var. = ?

DNA(specification)—
RNF19 gene;
sequence variation
name of component: ring finger protein 19
[NPU42129](#)
DNA(spec.)—RNF19 gene; seq.var. = ?

DNA(specification)—
RNF2 gene;
sequence variation
name of component: ring finger protein 2
[NPU39269](#)
DNA(spec.)—RNF2 gene; seq.var. = ?

DNA(specification)—
RNF20 gene;
sequence variation
name of component: ring finger protein 20
[NPU39270](#)
DNA(spec.)—RNF20 gene; seq.var. = ?

DNA(specification)—
RNF24 gene;
sequence variation
name of component: ring finger protein 24
[NPU42320](#)
DNA(spec.)—RNF24 gene; seq.var. = ?

DNA(specification)—
RNF25 gene;
sequence variation
name of component: ring finger protein 25
[NPU42928](#)
DNA(spec.)—RNF25 gene; seq.var. = ?

DNA(specification)—
RNF26 gene;
sequence variation
name of component: ring finger protein 26
[NPU42918](#)
DNA(spec.)—RNF26 gene; seq.var. = ?

DNA(specification)—
RNF28 gene;
sequence variation
name of component: ring finger protein 28
[NPU44077](#)
DNA(spec.)—RNF28 gene; seq.var. = ?

DNA(specification)—
RNF29 gene;
sequence variation
name of component: ring finger protein 29
[NPU42596](#)
DNA(spec.)—RNF29 gene; seq.var. = ?

DNA(specification)—
RNF3 gene;
sequence variation
name of component: ring finger protein 3
[NPU39274](#)
DNA(spec.)—RNF3 gene; seq.var. = ?

DNA(specification)—
RNF30 gene;
sequence variation
name of component: ring finger protein 30
[NPU44078](#)
DNA(spec.)—RNF30 gene; seq.var. = ?

DNA(specification)—
RNF32 gene;
sequence variation
name of component: ring finger protein 32
[NPU44859](#)
DNA(spec.)—RNF32 gene; seq.var. = ?

DNA(specification)—
RNF34 gene;
sequence variation
name of component: ring finger protein 34
[NPU44960](#)
DNA(spec.)—RNF34 gene; seq.var. = ?

DNA(specification)—
RNF36 gene;
sequence variation
name of component: ring finger protein 36
[NPU46149](#)
DNA(spec.)—RNF36 gene; seq.var. = ?

DNA(specification)—
RNF38 gene;
sequence variation
name of component: ring finger protein 38
[NPU46251](#)
DNA(spec.)—RNF38 gene; seq.var. = ?

DNA(specification)—
RNF39 gene;
sequence variation
name of component: ring finger protein 39
[NPU46260](#)
DNA(spec.)—RNF39 gene; seq.var. = ?

DNA(specification)—
RNF4 gene;
sequence variation
name of component: ring finger protein 4
[NPU39275](#)
DNA(spec.)—RNF4 gene; seq.var. = ?

DNA(specification)—
RNF40 gene;
sequence variation
name of component: ring finger protein 40
[NPU44749](#)
DNA(spec.)—RNF40 gene; seq.var. = ?

DNA(specification)—
RNF41 gene;
sequence variation
name of component: ring finger protein 41
[NPU46448](#)
DNA(spec.)—RNF41 gene; seq.var. = ?

DNA(specification)—
RNF43 gene;
sequence variation
name of component: ring finger protein 43
[NPU46509](#)
DNA(spec.)—RNF43 gene; seq.var. = ?

DNA(specification)—
RNF44 gene;
sequence variation
name of component: ring finger protein 44
[NPU46907](#)
DNA(spec.)—RNF44 gene; seq.var. = ?

DNA(specification)—
RNF5 gene;
sequence variation
name of component: ring finger protein 5
[NPU39276](#)
DNA(spec.)—RNF5 gene; seq.var. = ?

DNA(specification)—
RNF6 gene;
sequence variation
name of component: ring finger protein (C3H2C3 type) 6
[NPU39277](#)
DNA(spec.)—RNF6 gene; seq.var. = ?

DNA(specification)—**RNF7 gene;****sequence variation**

name of component: ring finger protein 7

[NPU39278](#)

DNA(spec.)—RNF7 gene; seq.var. = ?

DNA(specification)—**RNF8 gene;****sequence variation**

name of component: ring finger protein (C3HC4 type) 8

[NPU39279](#)

DNA(spec.)—RNF8 gene; seq.var. = ?

DNA(specification)—**RNGTT gene;****sequence variation**

name of component: RNA guanylyltransferase and 5'-phosphatase

[NPU39281](#)

DNA(spec.)—RNGTT gene; seq.var. = ?

DNA(specification)—**RNH gene;****sequence variation**

name of component: ribonuclease/angiogenin inhibitor

[NPU39282](#)

DNA(spec.)—RNH gene; seq.var. = ?

DNA(specification)—**RNMT gene;****sequence variation**

name of component: RNA (guanine-7-) methyltransferase

[NPU39283](#)

DNA(spec.)—RNMT gene; seq.var. = ?

DNA(specification)—**RNMTL1 gene;****sequence variation**

name of component: RNA methyltransferase like 1

[NPU46491](#)

DNA(spec.)—RNMTL1 gene; seq.var. = ?

DNA(specification)—**RNPC1 gene;****sequence variation**

name of component: RNA-binding region (RNP1, RRM) containing 1

[NPU43922](#)

DNA(spec.)—RNPC1 gene; seq.var. = ?

DNA(specification)—**RNPC2 gene;****sequence variation**

name of component: RNA-binding region (RNP1, RRM) containing 2

[NPU44005](#)

DNA(spec.)—RNPC2 gene; seq.var. = ?

DNA(specification)—**RNPC3 gene;****sequence variation**

name of component: RNA-binding region (RNP1, RRM) containing 3

[NPU46607](#)

DNA(spec.)—RNPC3 gene; seq.var. = ?

DNA(specification)—**RNPC4 gene;****sequence variation**

name of component: RNA-binding region (RNP1, RRM) containing 4

[NPU47456](#)

DNA(spec.)—RNPC4 gene; seq.var. = ?

DNA(specification)—**RNPEP gene;****sequence variation**

name of component: arginyl aminopeptidase (aminopeptidase B)

[NPU39284](#)

DNA(spec.)—RNPEP gene; seq.var. = ?

DNA(specification)—**RNPEPL1 gene;****sequence variation**

name of component: arginyl aminopeptidase (aminopeptidase B)-like 1

[NPU39285](#)

DNA(spec.)—RNPEPL1 gene; seq.var. = ?

DNA(specification)—**RNPS1 gene;****sequence variation**

name of component: RNA binding protein S1, serine-rich domain

[NPU39286](#)

DNA(spec.)—RNPS1 gene; seq.var. = ?

DNA(specification)—**RNR1 gene;****sequence variation**

name of component: RNA, ribosomal 1

[NPU39287](#)

DNA(spec.)—RNR1 gene; seq.var. = ?

DNA(specification)—
RNR2 gene;
sequence variation
name of component: RNA, ribosomal 2
[NPU39288](#)
DNA(spec.)—RNR2 gene; seq.var. = ?

DNA(specification)—
RNR3 gene;
sequence variation
name of component: RNA, ribosomal 3
[NPU39289](#)
DNA(spec.)—RNR3 gene; seq.var. = ?

DNA(specification)—
RNR4 gene;
sequence variation
name of component: RNA, ribosomal 4
[NPU39290](#)
DNA(spec.)—RNR4 gene; seq.var. = ?

DNA(specification)—
RNR5 gene;
sequence variation
name of component: RNA, ribosomal 5
[NPU39291](#)
DNA(spec.)—RNR5 gene; seq.var. = ?

DNA(specification)—
RNRP1 gene;
sequence variation
name of component: RNA, ribosomal pseudogene 1
[NPU39292](#)
DNA(spec.)—RNRP1 gene; seq.var. = ?

DNA(specification)—
RNRP2 gene;
sequence variation
name of component: RNA, ribosomal pseudogene 2
[NPU39293](#)
DNA(spec.)—RNRP2 gene; seq.var. = ?

DNA(specification)—
RNU100 gene;
sequence variation
name of component: RNA, U100 small nucleolar
[NPU39294](#)
DNA(spec.)—RNU100 gene; seq.var. = ?

DNA(specification)—
RNU101A gene;
sequence variation
name of component: RNA, U101A small nucleolar
[NPU39295](#)
DNA(spec.)—RNU101A gene; seq.var. = ?

DNA(specification)—
RNU101B gene;
sequence variation
name of component: RNA, U101B small nucleolar
[NPU39296](#)
DNA(spec.)—RNU101B gene; seq.var. = ?

DNA(specification)—
RNU102 gene;
sequence variation
name of component: RNA, U102 small nucleolar
[NPU39297](#)
DNA(spec.)—RNU102 gene; seq.var. = ?

DNA(specification)—
RNU103 gene;
sequence variation
name of component: RNA, U103 small nucleolar
[NPU39298](#)
DNA(spec.)—RNU103 gene; seq.var. = ?

DNA(specification)—
RNU104 gene;
sequence variation
name of component: RNA, U104 small nucleolar
[NPU39299](#)
DNA(spec.)—RNU104 gene; seq.var. = ?

DNA(specification)—
RNU105A gene;
sequence variation
name of component: RNA, U105A small nucleolar
[NPU39300](#)
DNA(spec.)—RNU105A gene; seq.var. = ?

DNA(specification)—
RNU105B gene;
sequence variation
name of component: RNA, U105B small nucleolar
[NPU39301](#)
DNA(spec.)—RNU105B gene; seq.var. = ?

DNA(specification)—
RNU105C gene;
sequence variation
name of component: RNA, U105C small nucleolar
[NPU39302](#)
DNA(spec.)—RNU105C gene; seq.var. = ?

DNA(specification)—
RNU106 gene;
sequence variation
name of component: RNA, U106 small nucleolar
[NPU39303](#)
DNA(spec.)—RNU106 gene; seq.var. = ?

DNA(specification)—
RNU107 gene;
sequence variation
name of component: RNA, U107 small nucleolar
[NPU39304](#)
DNA(spec.)—RNU107 gene; seq.var. = ?

DNA(specification)—
RNU108 gene;
sequence variation
name of component: RNA, U108 small nucleolar
[NPU39305](#)
DNA(spec.)—RNU108 gene; seq.var. = ?

DNA(specification)—
RNU11 gene;
sequence variation
name of component: RNA, U11 small nuclear
[NPU39306](#)
DNA(spec.)—RNU11 gene; seq.var. = ?

DNA(specification)—
RNU12 gene;
sequence variation
name of component: RNA, U12 small nuclear
[NPU39307](#)
DNA(spec.)—RNU12 gene; seq.var. = ?

DNA(specification)—
RNU12P gene;
sequence variation
name of component: RNA, U12 small nuclear
pseudogene
[NPU47004](#)
DNA(spec.)—RNU12P gene; seq.var. = ?

DNA(specification)—
RNU13P1 gene;
sequence variation
name of component: RNA, U13 small nuclear
pseudogene 1
[NPU39308](#)
DNA(spec.)—RNU13P1 gene; seq.var. = ?

DNA(specification)—
RNU13P2 gene;
sequence variation
name of component: RNA, U13 small nuclear
pseudogene 2
[NPU39309](#)
DNA(spec.)—RNU13P2 gene; seq.var. = ?

DNA(specification)—
RNU13P3 gene;
sequence variation
name of component: RNA, U13 small nuclear
pseudogene 3
[NPU39310](#)
DNA(spec.)—RNU13P3 gene; seq.var. = ?

DNA(specification)—
RNU14 gene;
sequence variation
name of component: RNA, U14 small nucleolar
[NPU39311](#)
DNA(spec.)—RNU14 gene; seq.var. = ?

DNA(specification)—
RNU15A gene;
sequence variation
name of component: RNA, U15a small nucleolar
[NPU39312](#)
DNA(spec.)—RNU15A gene; seq.var. = ?

DNA(specification)—
RNU15B gene;
sequence variation
name of component: RNA, U15b small nucleolar
[NPU44617](#)
DNA(spec.)—RNU15B gene; seq.var. = ?

DNA(specification)—
RNU17A gene;
sequence variation
name of component: RNA, U17a small nucleolar
[NPU39313](#)
DNA(spec.)—RNU17A gene; seq.var. = ?

DNA(specification)—
RNU17B gene;
sequence variation
name of component: RNA, U17b small nucleolar
[NPU39314](#)
DNA(spec.)—RNU17B gene; seq.var. = ?

DNA(specification)—
RNU17C gene;
sequence variation
name of component: RNA, U17C small nucleolar
[NPU39315](#)
DNA(spec.)—RNU17C gene; seq.var. = ?

DNA(specification)—
RNU17D gene;
sequence variation
name of component: RNA, U17D small nucleolar
[NPU39316](#)
DNA(spec.)—RNU17D gene; seq.var. = ?

DNA(specification)—
RNU19 gene;
sequence variation
name of component: RNA, U19 small nucleolar
[NPU39317](#)
DNA(spec.)—RNU19 gene; seq.var. = ?

DNA(specification)—
RNU1A gene;
sequence variation
name of component: RNA, U1A small nuclear
[NPU39318](#)
DNA(spec.)—RNU1A gene; seq.var. = ?

DNA(specification)—
RNU1A3 gene;
sequence variation
name of component: RNA, U1A3 small nuclear
[NPU39319](#)
DNA(spec.)—RNU1A3 gene; seq.var. = ?

DNA(specification)—
RNU1B gene;
sequence variation
name of component: RNA, U1B small nuclear
[NPU39320](#)
DNA(spec.)—RNU1B gene; seq.var. = ?

DNA(specification)—
RNU1C1 gene;
sequence variation
name of component: RNA, U1C1 small nuclear
[NPU39321](#)
DNA(spec.)—RNU1C1 gene; seq.var. = ?

DNA(specification)—
RNU1C2 gene;
sequence variation
name of component: RNA, U1C2 small nuclear
[NPU39322](#)
DNA(spec.)—RNU1C2 gene; seq.var. = ?

DNA(specification)—
RNU1D2 gene;
sequence variation
name of component: RNA, U1D2 small nuclear
[NPU39323](#)
DNA(spec.)—RNU1D2 gene; seq.var. = ?

DNA(specification)—
RNU1E2 gene;
sequence variation
name of component: RNA, U1E2 small nuclear
[NPU39324](#)
DNA(spec.)—RNU1E2 gene; seq.var. = ?

DNA(specification)—
RNU1F1 gene;
sequence variation
name of component: RNA, U1F1 small nuclear
[NPU39325](#)
DNA(spec.)—RNU1F1 gene; seq.var. = ?

DNA(specification)—
RNU1G1 gene;
sequence variation
name of component: RNA, U1G1 small nuclear
[NPU39326](#)
DNA(spec.)—RNU1G1 gene; seq.var. = ?

DNA(specification)—
RNU1G2 gene;
sequence variation
name of component: RNA, U1G2 small nuclear
[NPU39327](#)
DNA(spec.)—RNU1G2 gene; seq.var. = ?

DNA(specification)—
RNU1G3 gene;
sequence variation
name of component: RNA, U1G3 small nuclear
[NPU39328](#)
DNA(spec.)—RNU1G3 gene; seq.var. = ?

DNA(specification)—
RNU1G4 gene;
sequence variation
name of component: RNA, U1G4 small nuclear
[NPU39329](#)
DNA(spec.)—RNU1G4 gene; seq.var. = ?

DNA(specification)—
RNU1P1 gene;
sequence variation
name of component: RNA, U1 small nuclear pseudo-
gene 1
[NPU39330](#)
DNA(spec.)—RNU1P1 gene; seq.var. = ?

DNA(specification)—
RNU1P10 gene;
sequence variation
name of component: RNA, U1 small nuclear pseudo-
gene 10
[NPU39331](#)
DNA(spec.)—RNU1P10 gene; seq.var. = ?

DNA(specification)—
RNU1P2 gene;
sequence variation
name of component: RNA, U1 small nuclear pseudo-
gene 2
[NPU39332](#)
DNA(spec.)—RNU1P2 gene; seq.var. = ?

DNA(specification)—
RNU1P3 gene;
sequence variation
name of component: RNA, U1 small nuclear pseudo-
gene 3
[NPU39333](#)
DNA(spec.)—RNU1P3 gene; seq.var. = ?

DNA(specification)—**RNU1P4 gene;****sequence variation**

name of component: RNA, U1 small nuclear pseudogene 4

[NPU39334](#)

DNA(spec.)—RNU1P4 gene; seq.var. = ?

DNA(specification)—**RNU1P5 gene;****sequence variation**

name of component: RNA, U1 small nuclear pseudogene 5

[NPU39335](#)

DNA(spec.)—RNU1P5 gene; seq.var. = ?

DNA(specification)—**RNU1P6 gene;****sequence variation**

name of component: RNA, U1 small nuclear pseudogene 6

[NPU39336](#)

DNA(spec.)—RNU1P6 gene; seq.var. = ?

DNA(specification)—**RNU1P7 gene;****sequence variation**

name of component: RNA, U1 small nuclear pseudogene 7

[NPU39337](#)

DNA(spec.)—RNU1P7 gene; seq.var. = ?

DNA(specification)—**RNU1P8 gene;****sequence variation**

name of component: RNA, U1 small nuclear pseudogene 8

[NPU39338](#)

DNA(spec.)—RNU1P8 gene; seq.var. = ?

DNA(specification)—**RNU1P9 gene;****sequence variation**

name of component: RNA, U1 small nuclear pseudogene 9

[NPU39339](#)

DNA(spec.)—RNU1P9 gene; seq.var. = ?

DNA(specification)—**RNU2 gene;****sequence variation**

name of component: RNA, U2 small nuclear

[NPU39340](#)

DNA(spec.)—RNU2 gene; seq.var. = ?

DNA(specification)—**RNU20 gene;****sequence variation**

name of component: RNA, U20 small nucleolar

[NPU39341](#)

DNA(spec.)—RNU20 gene; seq.var. = ?

DNA(specification)—**RNU21 gene;****sequence variation**

name of component: RNA, U21 small nucleolar

[NPU39342](#)

DNA(spec.)—RNU21 gene; seq.var. = ?

DNA(specification)—**RNU22 gene;****sequence variation**

name of component: RNA, U22 small nucleolar

[NPU39343](#)

DNA(spec.)—RNU22 gene; seq.var. = ?

DNA(specification)—**RNU24 gene;****sequence variation**

name of component: RNA, U24 small nucleolar

[NPU39344](#)

DNA(spec.)—RNU24 gene; seq.var. = ?

DNA(specification)—**RNU25 gene;****sequence variation**

name of component: RNA, U25 small nucleolar

[NPU39345](#)

DNA(spec.)—RNU25 gene; seq.var. = ?

DNA(specification)—**RNU26 gene;****sequence variation**

name of component: RNA, U26 small nucleolar

[NPU39346](#)

DNA(spec.)—RNU26 gene; seq.var. = ?

DNA(specification)—**RNU27 gene;****sequence variation**

name of component: RNA, U27 small nucleolar

[NPU39347](#)

DNA(spec.)—RNU27 gene; seq.var. = ?

DNA(specification)—**RNU28 gene;****sequence variation**

name of component: RNA, U28 small nucleolar

[NPU39348](#)

DNA(spec.)—RNU28 gene; seq.var. = ?

DNA(specification)—**RNU29 gene;****sequence variation**

name of component: RNA, U29 small nucleolar

[NPU39349](#)

DNA(spec.)—RNU29 gene; seq.var. = ?

DNA(specification)—**RNU2B gene;****sequence variation**

name of component: RNA, U2B small nuclear

[NPU39350](#)

DNA(spec.)—RNU2B gene; seq.var. = ?

DNA(specification)—**RNU2P1 gene;****sequence variation**

name of component: RNA, U2 small nuclear pseudogene 1

[NPU39351](#)

DNA(spec.)—RNU2P1 gene; seq.var. = ?

DNA(specification)—**RNU2P2 gene;****sequence variation**

name of component: RNA, U2 small nuclear pseudogene 2

[NPU39352](#)

DNA(spec.)—RNU2P2 gene; seq.var. = ?

DNA(specification)—**RNU2P3 gene;****sequence variation**

name of component: RNA, U2 small nuclear pseudogene 3

[NPU39353](#)

DNA(spec.)—RNU2P3 gene; seq.var. = ?

DNA(specification)—**RNU3 gene;****sequence variation**

name of component: RNA, U3 small nucleolar

[NPU39354](#)

DNA(spec.)—RNU3 gene; seq.var. = ?

DNA(specification)—**RNU30 gene;****sequence variation**

name of component: RNA, U30 small nucleolar

[NPU39355](#)

DNA(spec.)—RNU30 gene; seq.var. = ?

DNA(specification)—**RNU31 gene;****sequence variation**

name of component: RNA, U31 small nucleolar

[NPU39356](#)

DNA(spec.)—RNU31 gene; seq.var. = ?

DNA(specification)—**RNU32 gene;****sequence variation**

name of component: RNA, U32 small nucleolar

[NPU39357](#)

DNA(spec.)—RNU32 gene; seq.var. = ?

DNA(specification)—**RNU33 gene;****sequence variation**

name of component: RNA, U33 small nucleolar

[NPU39358](#)

DNA(spec.)—RNU33 gene; seq.var. = ?

DNA(specification)—**RNU34 gene;****sequence variation**

name of component: RNA, U34 small nucleolar

[NPU39359](#)

DNA(spec.)—RNU34 gene; seq.var. = ?

DNA(specification)—**RNU35 gene;****sequence variation**

name of component: RNA, U35 small nucleolar

[NPU39360](#)

DNA(spec.)—RNU35 gene; seq.var. = ?

DNA(specification)—**RNU35B gene;****sequence variation**

name of component: RNA, U35B small nucleolar

[NPU46007](#)

DNA(spec.)—RNU35B gene; seq.var. = ?

DNA(specification)—**RNU36A gene;****sequence variation**

name of component: RNA, U36A small nucleolar

[NPU39361](#)

DNA(spec.)—RNU36A gene; seq.var. = ?

DNA(specification)—**RNU36B gene;****sequence variation**

name of component: RNA, U36B small nucleolar

[NPU39362](#)

DNA(spec.)—RNU36B gene; seq.var. = ?

DNA(specification)—**RNU36C gene;****sequence variation**

name of component: RNA, U36C small nucleolar

[NPU39363](#)

DNA(spec.)—RNU36C gene; seq.var. = ?

DNA(specification)—**RNU37 gene;****sequence variation**

name of component: RNA, U37 small nucleolar

[NPU39364](#)

DNA(spec.)—RNU37 gene; seq.var. = ?

DNA(specification)—**RNU39 gene;****sequence variation**

name of component: RNA, U39 small nucleolar

[NPU39365](#)

DNA(spec.)—RNU39 gene; seq.var. = ?

DNA(specification)—**RNU3A1 gene;****sequence variation**

name of component: RNA, U3A1 small nucleolar

[NPU39366](#)

DNA(spec.)—RNU3A1 gene; seq.var. = ?

DNA(specification)—**RNU3A2 gene;****sequence variation**

name of component: RNA, U3A2 small nucleolar

[NPU39367](#)

DNA(spec.)—RNU3A2 gene; seq.var. = ?

DNA(specification)—**RNU3A3 gene;****sequence variation**

name of component: RNA, U3A3 small nucleolar

[NPU39368](#)

DNA(spec.)—RNU3A3 gene; seq.var. = ?

DNA(specification)—**RNU3B1 gene;****sequence variation**

name of component: RNA, U3B1 small nucleolar

[NPU39369](#)

DNA(spec.)—RNU3B1 gene; seq.var. = ?

DNA(specification)—**RNU3B2 gene;****sequence variation**

name of component: RNA, U3B2 small nucleolar

[NPU39370](#)

DNA(spec.)—RNU3B2 gene; seq.var. = ?

DNA(specification)—**RNU3B3 gene;****sequence variation**

name of component: RNA, U3B3 small nucleolar

[NPU39371](#)

DNA(spec.)—RNU3B3 gene; seq.var. = ?

DNA(specification)—**RNU3B4 gene;****sequence variation**

name of component: RNA, U3B4 small nucleolar

[NPU39372](#)

DNA(spec.)—RNU3B4 gene; seq.var. = ?

DNA(specification)—**RNU3IP2 gene;****sequence variation**

name of component: RNA, U3 small nucleolar interacting protein 2

[NPU44726](#)

DNA(spec.)—RNU3IP2 gene; seq.var. = ?

DNA(specification)—**RNU3P1 gene;****sequence variation**

name of component: RNA, U3 small nucleolar pseudogene 1

[NPU39373](#)

DNA(spec.)—RNU3P1 gene; seq.var. = ?

DNA(specification)—**RNU3P2 gene;****sequence variation**

name of component: RNA, U3 small nucleolar pseudogene 2

[NPU39374](#)

DNA(spec.)—RNU3P2 gene; seq.var. = ?

DNA(specification)—**RNU3P3 gene;****sequence variation**

name of component: RNA, U3 small nucleolar pseudogene 3

[NPU39375](#)

DNA(spec.)—RNU3P3 gene; seq.var. = ?

DNA(specification)—**RNU3P4 gene;****sequence variation**

name of component: RNA, U3 small nucleolar pseudogene 4

[NPU39376](#)

DNA(spec.)—RNU3P4 gene; seq.var. = ?

DNA(specification)—**RNU40 gene;****sequence variation**

name of component: RNA, U40 small nucleolar

[NPU44391](#)

DNA(spec.)—RNU40 gene; seq.var. = ?

DNA(specification)—**RNU41 gene;****sequence variation**

name of component: RNA, U41 small nuclear

[NPU39377](#)

DNA(spec.)—RNU41 gene; seq.var. = ?

DNA(specification)—**RNU42A gene;****sequence variation**

name of component: RNA, U42A small nuclear

[NPU39378](#)

DNA(spec.)—RNU42A gene; seq.var. = ?

DNA(specification)—**RNU42B gene;****sequence variation**

name of component: RNA, U42B small nucleolar

[NPU39379](#)

DNA(spec.)—RNU42B gene; seq.var. = ?

DNA(specification)—**RNU43 gene;****sequence variation**

name of component: RNA, U43 small nuclear

[NPU39380](#)

DNA(spec.)—RNU43 gene; seq.var. = ?

DNA(specification)—**RNU44 gene;****sequence variation**

name of component: RNA, U44 small nuclear

[NPU39381](#)

DNA(spec.)—RNU44 gene; seq.var. = ?

DNA(specification)—**RNU45A gene;****sequence variation**

name of component: RNA, U45A small nuclear

[NPU39382](#)

DNA(spec.)—RNU45A gene; seq.var. = ?

DNA(specification)—**RNU45B gene;****sequence variation**

name of component: RNA, U45B small nuclear

[NPU39383](#)

DNA(spec.)—RNU45B gene; seq.var. = ?

DNA(specification)—**RNU46 gene;****sequence variation**

name of component: RNA, U46 small nuclear

[NPU39384](#)

DNA(spec.)—RNU46 gene; seq.var. = ?

DNA(specification)—**RNU47 gene;****sequence variation**

name of component: RNA, U47 small nuclear

[NPU39385](#)

DNA(spec.)—RNU47 gene; seq.var. = ?

DNA(specification)—**RNU48 gene;****sequence variation**

name of component: RNA, U48 small nuclear

[NPU39386](#)

DNA(spec.)—RNU48 gene; seq.var. = ?

DNA(specification)—**RNU49 gene;****sequence variation**

name of component: RNA, U49 small nuclear

[NPU39387](#)

DNA(spec.)—RNU49 gene; seq.var. = ?

DNA(specification)—**RNU4A gene;****sequence variation**

name of component: RNA, U4A small nuclear

[NPU39388](#)

DNA(spec.)—RNU4A gene; seq.var. = ?

DNA(specification)—**RNU4B1 gene;****sequence variation**

name of component: RNA, U4B1 small nuclear

[NPU39389](#)

DNA(spec.)—RNU4B1 gene; seq.var. = ?

DNA(specification)—**RNU4B2 gene;****sequence variation**

name of component: RNA, U4B2 small nuclear

[NPU39390](#)

DNA(spec.)—RNU4B2 gene; seq.var. = ?

DNA(specification)—**RNU4C gene;****sequence variation**

name of component: RNA, U4C small nuclear

[NPU39391](#)

DNA(spec.)—RNU4C gene; seq.var. = ?

DNA(specification)—**RNU4P1 gene;****sequence variation**

name of component: RNA, U4 small nuclear pseudogene 1 (U4/7)

[NPU39392](#)

DNA(spec.)—RNU4P1 gene; seq.var. = ?

DNA(specification)—**RNU4P2 gene;****sequence variation**

name of component: RNA, U4 small nuclear pseudogene 2 (U4/14)

[NPU39393](#)

DNA(spec.)—RNU4P2 gene; seq.var. = ?

DNA(specification)—**RNU4P3 gene;****sequence variation**

name of component: RNA, U4 small nuclear pseudogene 3

[NPU39394](#)

DNA(spec.)—RNU4P3 gene; seq.var. = ?

DNA(specification)—**RNU4P4 gene;****sequence variation**

name of component: RNA, U4 small nuclear pseudogene 4

[NPU39395](#)

DNA(spec.)—RNU4P4 gene; seq.var. = ?

DNA(specification)—**RNU4P5 gene;****sequence variation**

name of component: RNA, U4 small nuclear pseudogene 5

[NPU39396](#)

DNA(spec.)—RNU4P5 gene; seq.var. = ?

DNA(specification)—**RNU4P6 gene;****sequence variation**

name of component: RNA, U4 small nuclear pseudogene 6

[NPU39397](#)

DNA(spec.)—RNU4P6 gene; seq.var. = ?

DNA(specification)—**RNU50 gene;****sequence variation**

name of component: RNA, U50 small nuclear

[NPU39398](#)

DNA(spec.)—RNU50 gene; seq.var. = ?

DNA(specification)—**RNU51 gene;****sequence variation**

name of component: RNA, U51 small nuclear

[NPU39399](#)

DNA(spec.)—RNU51 gene; seq.var. = ?

DNA(specification)—**RNU52 gene;****sequence variation**

name of component: RNA, U52 small nuclear

[NPU39400](#)

DNA(spec.)—RNU52 gene; seq.var. = ?

DNA(specification)—**RNU53 gene;****sequence variation**

name of component: RNA, U53 small nuclear

[NPU39401](#)

DNA(spec.)—RNU53 gene; seq.var. = ?

DNA(specification)—**RNU54 gene;****sequence variation**

name of component: RNA, U54 small nuclear

[NPU39402](#)

DNA(spec.)—RNU54 gene; seq.var. = ?

DNA(specification)—**RNU55 gene;****sequence variation**

name of component: RNA, U55 small nuclear

[NPU39403](#)

DNA(spec.)—RNU55 gene; seq.var. = ?

DNA(specification)—**RNU56 gene;****sequence variation**

name of component: RNA, U56 small nuclear

[NPU39404](#)

DNA(spec.)—RNU56 gene; seq.var. = ?

DNA(specification)—**RNU56B gene;****sequence variation**

name of component: RNA, U56B small nuclear

[NPU47195](#)

DNA(spec.)—RNU56B gene; seq.var. = ?

DNA(specification)—**RNU57 gene;****sequence variation**

name of component: RNA, U57 small nuclear

[NPU39405](#)

DNA(spec.)—RNU57 gene; seq.var. = ?

DNA(specification)—**RNU58A gene;****sequence variation**

name of component: RNA, U58A small nuclear

[NPU39406](#)

DNA(spec.)—RNU58A gene; seq.var. = ?

DNA(specification)—**RNU58B gene;****sequence variation**

name of component: RNA, U58B small nuclear

[NPU39407](#)

DNA(spec.)—RNU58B gene; seq.var. = ?

DNA(specification)—**RNU59 gene;****sequence variation**

name of component: RNA, U59 small nuclear

[NPU39408](#)

DNA(spec.)—RNU59 gene; seq.var. = ?

DNA(specification)—
RNU5A gene;
sequence variation
name of component: RNA, U5A small nuclear
[NPU39409](#)
DNA(spec.)—RNU5A gene; seq.var. = ?

DNA(specification)—
RNU5B gene;
sequence variation
name of component: RNA, U5B small nuclear
[NPU39410](#)
DNA(spec.)—RNU5B gene; seq.var. = ?

DNA(specification)—
RNU5C gene;
sequence variation
name of component: RNA, U5C small nuclear
[NPU39411](#)
DNA(spec.)—RNU5C gene; seq.var. = ?

DNA(specification)—
RNU5D gene;
sequence variation
name of component: RNA, U5D small nuclear
[NPU39412](#)
DNA(spec.)—RNU5D gene; seq.var. = ?

DNA(specification)—
RNU5E gene;
sequence variation
name of component: RNA, U5E small nuclear
[NPU39413](#)
DNA(spec.)—RNU5E gene; seq.var. = ?

DNA(specification)—
RNU5F gene;
sequence variation
name of component: RNA, U5F small nuclear
[NPU39414](#)
DNA(spec.)—RNU5F gene; seq.var. = ?

DNA(specification)—
RNU60 gene;
sequence variation
name of component: RNA, U60 small nuclear
[NPU39415](#)
DNA(spec.)—RNU60 gene; seq.var. = ?

DNA(specification)—
RNU61 gene;
sequence variation
name of component: RNA, U61 small nuclear
[NPU39416](#)
DNA(spec.)—RNU61 gene; seq.var. = ?

DNA(specification)—
RNU62 gene;
sequence variation
name of component: RNA, U62 small nucleolar
[NPU39417](#)
DNA(spec.)—RNU62 gene; seq.var. = ?

DNA(specification)—
RNU63 gene;
sequence variation
name of component: RNA, U63 small nucleolar
[NPU39418](#)
DNA(spec.)—RNU63 gene; seq.var. = ?

DNA(specification)—
RNU64 gene;
sequence variation
name of component: RNA, U64 small nucleolar
[NPU39419](#)
DNA(spec.)—RNU64 gene; seq.var. = ?

DNA(specification)—
RNU65 gene;
sequence variation
name of component: RNA, U65 small nucleolar
[NPU39420](#)
DNA(spec.)—RNU65 gene; seq.var. = ?

DNA(specification)—
RNU66 gene;
sequence variation
name of component: RNA, U66 small nucleolar
[NPU39421](#)
DNA(spec.)—RNU66 gene; seq.var. = ?

DNA(specification)—
RNU67 gene;
sequence variation
name of component: RNA, U67 small nucleolar
[NPU39422](#)
DNA(spec.)—RNU67 gene; seq.var. = ?

DNA(specification)—
RNU68 gene;
sequence variation
name of component: RNA, U68 small nucleolar
[NPU39423](#)
DNA(spec.)—RNU68 gene; seq.var. = ?

DNA(specification)—
RNU69 gene;
sequence variation
name of component: RNA, U69 small nucleolar
[NPU39424](#)
DNA(spec.)—RNU69 gene; seq.var. = ?

DNA(specification)—
RNU6A gene;
sequence variation
name of component: RNA, U6A small nuclear
[NPU39425](#)
DNA(spec.)—RNU6A gene; seq.var. = ?

DNA(specification)—
RNU6B gene;
sequence variation
name of component: RNA, U6B small nuclear
[NPU39426](#)
DNA(spec.)—RNU6B gene; seq.var. = ?

DNA(specification)—
RNU6C gene;
sequence variation
name of component: RNA, U6C small nucleolar
[NPU47460](#)
DNA(spec.)—RNU6C gene; seq.var. = ?

DNA(specification)—
RNU6P1 gene;
sequence variation
name of component: RNA, U6 small nuclear pseudogene 1
[NPU39427](#)
DNA(spec.)—RNU6P1 gene; seq.var. = ?

DNA(specification)—
RNU6V gene;
sequence variation
name of component: RNA, U6 small nuclear variant sequence with SNRPE pseudogene sequence
[NPU39428](#)
DNA(spec.)—RNU6V gene; seq.var. = ?

DNA(specification)—
RNU70 gene;
sequence variation
name of component: RNA, U70 small nucleolar
[NPU39429](#)
DNA(spec.)—RNU70 gene; seq.var. = ?

DNA(specification)—
RNU71A gene;
sequence variation
name of component: RNA, U71A small nucleolar
[NPU39430](#)
DNA(spec.)—RNU71A gene; seq.var. = ?

DNA(specification)—
RNU71B gene;
sequence variation
name of component: RNA, U71B small nucleolar
[NPU39431](#)
DNA(spec.)—RNU71B gene; seq.var. = ?

DNA(specification)—
RNU72 gene;
sequence variation
name of component: RNA, U72 small nucleolar
[NPU39432](#)
DNA(spec.)—RNU72 gene; seq.var. = ?

DNA(specification)—
RNU73 gene;
sequence variation
name of component: RNA, U73 small nucleolar
[NPU39433](#)
DNA(spec.)—RNU73 gene; seq.var. = ?

DNA(specification)—
RNU7P1 gene;
sequence variation
name of component: RNA, U7 small nuclear pseudogene 1
[NPU39434](#)
DNA(spec.)—RNU7P1 gene; seq.var. = ?

DNA(specification)—
RNU7P2 gene;
sequence variation
name of component: RNA, U7 small nuclear pseudogene 2
[NPU39435](#)
DNA(spec.)—RNU7P2 gene; seq.var. = ?

DNA(specification)—
RNU7P3 gene;
sequence variation
name of component: RNA, U7 small nuclear pseudogene 3
[NPU39436](#)
DNA(spec.)—RNU7P3 gene; seq.var. = ?

DNA(specification)—
RNU7P4 gene;
sequence variation
name of component: RNA, U7 small nuclear pseudogene 4
[NPU39437](#)
DNA(spec.)—RNU7P4 gene; seq.var. = ?

DNA(specification)—
RNU82 gene;
sequence variation
name of component: RNA, U82 small nuclear
[NPU39438](#)
DNA(spec.)—RNU82 gene; seq.var. = ?

DNA(specification)—
RNU83A gene;
sequence variation
name of component: RNA, U83A small nucleolar
[NPU44871](#)
DNA(spec.)—RNU83A gene; seq.var. = ?

DNA(specification)—**RNU83B gene;****sequence variation**

name of component: RNA, U83B small nucleolar

[NPU44872](#)

DNA(spec.)—RNU83B gene; seq.var. = ?

DNA(specification)—**RNU86 gene;****sequence variation**

name of component: RNA, U86 small nucleolar

[NPU44870](#)

DNA(spec.)—RNU86 gene; seq.var. = ?

DNA(specification)—**RNUT1 gene;****sequence variation**

name of component: RNA, U transporter 1

[NPU42612](#)

DNA(spec.)—RNUT1 gene; seq.var. = ?

DNA(specification)—**RNUXA gene;****sequence variation**

name of component: RNA U, small nuclear RNA export adaptor (phosphorylation regulated)

[NPU39439](#)

DNA(spec.)—RNUXA gene; seq.var. = ?

DNA(specification)—**RNY1 gene;****sequence variation**

name of component: RNA, Y1 small cytoplasmic (associated with Ro protein)

[NPU39440](#)

DNA(spec.)—RNY1 gene; seq.var. = ?

DNA(specification)—**RNY3 gene;****sequence variation**

name of component: RNA, Y3 small cytoplasmic (associated with Ro protein)

[NPU39441](#)

DNA(spec.)—RNY3 gene; seq.var. = ?

DNA(specification)—**RNY4 gene;****sequence variation**

name of component: RNA, Y4 small cytoplasmic (associated with Ro protein)

[NPU39442](#)

DNA(spec.)—RNY4 gene; seq.var. = ?

DNA(specification)—**RNY4P1 gene;****sequence variation**

name of component: RNA, Y4 small cytoplasmic (associated with Ro protein) pseudogene 1

[NPU39443](#)

DNA(spec.)—RNY4P1 gene; seq.var. = ?

DNA(specification)—**RNY4P2 gene;****sequence variation**

name of component: RNA, Y4 small cytoplasmic (associated with Ro protein) pseudogene 2

[NPU39444](#)

DNA(spec.)—RNY4P2 gene; seq.var. = ?

DNA(specification)—**RNY4P3 gene;****sequence variation**

name of component: RNA, Y4 small cytoplasmic (associated with Ro protein) pseudogene 3

[NPU39445](#)

DNA(spec.)—RNY4P3 gene; seq.var. = ?

DNA(specification)—**RNY5 gene;****sequence variation**

name of component: RNA, Y5 small cytoplasmic (associated with Ro protein)

[NPU39446](#)

DNA(spec.)—RNY5 gene; seq.var. = ?

DNA(specification)—**ROBO1 gene;****sequence variation**

name of component: roundabout, axon guidance receptor, homolog 1 (Drosophila)

[NPU39447](#)

DNA(spec.)—ROBO1 gene; seq.var. = ?

DNA(specification)—**ROBO2 gene;****sequence variation**

name of component: roundabout, axon guidance receptor, homolog 2 (Drosophila)

[NPU39448](#)

DNA(spec.)—ROBO2 gene; seq.var. = ?

DNA(specification)—**ROBO4 gene;****sequence variation**

name of component: roundabout homolog 4, magic roundabout (Drosophila)

[NPU46208](#)

DNA(spec.)—ROBO4 gene; seq.var. = ?

DNA(specification)—**ROCK1 gene;****sequence variation**

name of component: Rho-associated, coiled-coil containing protein kinase 1

[NPU39449](#)

DNA(spec.)—ROCK1 gene; seq.var. = ?

DNA(specification)—**ROCK2 gene;****sequence variation**

name of component: Rho-associated, coiled-coil containing protein kinase 2

[NPU39450](#)

DNA(spec.)—ROCK2 gene; seq.var. = ?

DNA(specification)—**ROD1 gene;****sequence variation**

name of component: ROD1 regulator of differentiation 1 (S. pombe)

[NPU39451](#)

DNA(spec.)—ROD1 gene; seq.var. = ?

DNA(specification)—**ROM1 gene;****sequence variation**

name of component: retinal outer segment membrane protein 1

[NPU39452](#)

DNA(spec.)—ROM1 gene; seq.var. = ?

DNA(specification)—**RONU gene;****sequence variation**

name of component: Rowett nude

[NPU39453](#)

DNA(spec.)—RONU gene; seq.var. = ?

DNA(specification)—**ROPN1 gene;****sequence variation**

name of component: ropporin, rhophilin associated protein 1

[NPU46074](#)

DNA(spec.)—ROPN1 gene; seq.var. = ?

DNA(specification)—**ROR1 gene;****sequence variation**

name of component: receptor tyrosine kinase-like orphan receptor 1

[NPU39454](#)

DNA(spec.)—ROR1 gene; seq.var. = ?

DNA(specification)—**ROR2 gene;****sequence variation**

name of component: receptor tyrosine kinase-like orphan receptor 2

[NPU39455](#)

DNA(spec.)—ROR2 gene; seq.var. = ?

DNA(specification)—**RORA gene;****sequence variation**

name of component: RAR-related orphan receptor A

[NPU39456](#)

DNA(spec.)—RORA gene; seq.var. = ?

DNA(specification)—**RORB gene;****sequence variation**

name of component: RAR-related orphan receptor B

[NPU39457](#)

DNA(spec.)—RORB gene; seq.var. = ?

DNA(specification)—**RORC gene;****sequence variation**

name of component: RAR-related orphan receptor C

[NPU39458](#)

DNA(spec.)—RORC gene; seq.var. = ?

DNA(specification)—**ROS1 gene;****sequence variation**

name of component: v-ros UR2 sarcoma virus oncogene homolog 1 (avian)

[NPU39459](#)

DNA(spec.)—ROS1 gene; seq.var. = ?

DNA(specification)—**RP1 gene;****sequence variation**

name of component: retinitis pigmentosa 1 (autosomal dominant)

[NPU39460](#)

DNA(spec.)—RP1 gene; seq.var. = ?

DNA(specification)—**RP10 gene;****sequence variation**

name of component: retinitis pigmentosa 10 (autosomal dominant)

[NPU39461](#)

DNA(spec.)—RP10 gene; seq.var. = ?

DNA(specification)—**RP15 gene;****sequence variation**

name of component: retinitis pigmentosa 15

[NPU39462](#)

DNA(spec.)—RP15 gene; seq.var. = ?

DNA(specification)—**RP17 gene;****sequence variation**

name of component: retinitis pigmentosa 17 (autosomal dominant)

[NPU39463](#)

DNA(spec.)—RP17 gene; seq.var. = ?

DNA(specification)—**RP18 gene;****sequence variation**

name of component: retinitis pigmentosa 18 (autosomal dominant)

[NPU39464](#)

DNA(spec.)—RP18 gene; seq.var. = ?

DNA(specification)—**RP1L1 gene;****sequence variation**

name of component: retinitis pigmentosa 1-like 1

[NPU44025](#)

DNA(spec.)—RP1L1 gene; seq.var. = ?

DNA(specification)—**RP2 gene;****sequence variation**

name of component: retinitis pigmentosa 2 (X-linked recessive)

[NPU39465](#)

DNA(spec.)—RP2 gene; seq.var. = ?

DNA(specification)—**RP22 gene;****sequence variation**

name of component: retinitis pigmentosa 22 (autosomal recessive)

[NPU39466](#)

DNA(spec.)—RP22 gene; seq.var. = ?

DNA(specification)—**RP23 gene;****sequence variation**

name of component: retinitis pigmentosa 23 (X-linked recessive)

[NPU39467](#)

DNA(spec.)—RP23 gene; seq.var. = ?

DNA(specification)—**RP24 gene;****sequence variation**

name of component: retinitis pigmentosa 24 (X-linked recessive)

[NPU39468](#)

DNA(spec.)—RP24 gene; seq.var. = ?

DNA(specification)—**RP25 gene;****sequence variation**

name of component: retinitis pigmentosa 25 (autosomal recessive)

[NPU39469](#)

DNA(spec.)—RP25 gene; seq.var. = ?

DNA(specification)—**RP26 gene;****sequence variation**

name of component: retinitis pigmentosa 26 (autosomal recessive)

[NPU39470](#)

DNA(spec.)—RP26 gene; seq.var. = ?

DNA(specification)—**RP28 gene;****sequence variation**

name of component: retinitis pigmentosa 28 (autosomal recessive)

[NPU39471](#)

DNA(spec.)—RP28 gene; seq.var. = ?

DNA(specification)—**RP29 gene;****sequence variation**

name of component: retinitis pigmentosa 29 (autosomal recessive)

[NPU39472](#)

DNA(spec.)—RP29 gene; seq.var. = ?

DNA(specification)—**RP6 gene;****sequence variation**

name of component: retinitis pigmentosa 6 (X-linked recessive)

[NPU39473](#)

DNA(spec.)—RP6 gene; seq.var. = ?

DNA(specification)—**RP9 gene;****sequence variation**

name of component: retinitis pigmentosa 9 (autosomal dominant)

[NPU39474](#)

DNA(spec.)—RP9 gene; seq.var. = ?

DNA(specification)—**RPA1 gene;****sequence variation**

name of component: replication protein A1, 70 kDa

[NPU39475](#)

DNA(spec.)—RPA1 gene; seq.var. = ?

DNA(specification)—**RPA2 gene;****sequence variation**

name of component: replication protein A2, 32 kDa

[NPU39476](#)

DNA(spec.)—RPA2 gene; seq.var. = ?

DNA(specification)—**RPA2P gene;****sequence variation**

name of component: replication protein A2 pseudogene

[NPU47149](#)

DNA(spec.)—RPA2P gene; seq.var. = ?

DNA(specification)—**RPA3 gene;****sequence variation**

name of component: replication protein A3, 14 kDa

[NPU39477](#)

DNA(spec.)—RPA3 gene; seq.var. = ?

DNA(specification)—**RPE gene;****sequence variation**

name of component: ribulose-5-phosphate-3-epimerase

[NPU39478](#)

DNA(spec.)—RPE gene; seq.var. = ?

DNA(specification)—**RPE65 gene;****sequence variation**

name of component: retinal pigment epithelium-specific protein 65 kDa

[NPU39479](#)

DNA(spec.)—RPE65 gene; seq.var. = ?

DNA(specification)—**RPEL1 gene;****sequence variation**

name of component: RPEL repeat containing 1

[NPU47819](#)

DNA(spec.)—RPEL1 gene; seq.var. = ?

DNA(specification)—**RPGR gene;****sequence variation**

name of component: retinitis pigmentosa GTPase regulator

[NPU39480](#)

DNA(spec.)—RPGR gene; seq.var. = ?

DNA(specification)—**RPGRIP1 gene;****sequence variation**

name of component: retinitis pigmentosa GTPase regulator interacting protein 1

[NPU42130](#)

DNA(spec.)—RPGRIP1 gene; seq.var. = ?

DNA(specification)—**RPH3AL gene;****sequence variation**

name of component: rabphilin 3A-like (without C2 domains)

[NPU39481](#)

DNA(spec.)—RPH3AL gene; seq.var. = ?

DNA(specification)—**RPIA gene;****sequence variation**

name of component: ribose 5-phosphate isomerase A (ribose 5-phosphate epimerase)

[NPU39482](#)

DNA(spec.)—RPIA gene; seq.var. = ?

DNA(specification)—**RPL10 gene;****sequence variation**

name of component: ribosomal protein L10

[NPU39483](#)

DNA(spec.)—RPL10 gene; seq.var. = ?

DNA(specification)—**RPL10A gene;****sequence variation**

name of component: ribosomal protein L10a

[NPU39484](#)

DNA(spec.)—RPL10A gene; seq.var. = ?

DNA(specification)—**RPL10AP1 gene;****sequence variation**

name of component: ribosomal protein L10a pseudogene 1

[NPU47236](#)

DNA(spec.)—RPL10AP1 gene; seq.var. = ?

DNA(specification)—**RPL10L gene;****sequence variation**

name of component: ribosomal protein L10-like

[NPU46202](#)

DNA(spec.)—RPL10L gene; seq.var. = ?

DNA(specification)—**RPL10P1 gene;****sequence variation**

name of component: ribosomal protein L10 pseudogene 1

[NPU39485](#)

DNA(spec.)—RPL10P1 gene; seq.var. = ?

DNA(specification)—**RPL11 gene;****sequence variation**

name of component: ribosomal protein L11

[NPU39486](#)

DNA(spec.)—RPL11 gene; seq.var. = ?

DNA(specification)—**RPL12 gene;****sequence variation**

name of component: ribosomal protein L12

[NPU39487](#)

DNA(spec.)—RPL12 gene; seq.var. = ?

DNA(specification)—**RPL12L2 gene;****sequence variation**

name of component: ribosomal protein L12-like 2

[NPU43932](#)

DNA(spec.)—RPL12L2 gene; seq.var. = ?

DNA(specification)—**RPL12L3 gene;****sequence variation**

name of component: ribosomal protein L12-like 3

[NPU44029](#)

DNA(spec.)—RPL12L3 gene; seq.var. = ?

DNA(specification)—**RPL12P3 gene;****sequence variation**

name of component: ribosomal protein L12 pseudogene 3

[NPU44357](#)

DNA(spec.)—RPL12P3 gene; seq.var. = ?

DNA(specification)—**RPL12P4 gene;****sequence variation**

name of component: ribosomal protein L12 pseudogene 4

[NPU44567](#)

DNA(spec.)—RPL12P4 gene; seq.var. = ?

DNA(specification)—**RPL12P5 gene;****sequence variation**

name of component: ribosomal protein L12 pseudogene 5

[NPU47142](#)

DNA(spec.)—RPL12P5 gene; seq.var. = ?

DNA(specification)—**RPL12P7 gene;****sequence variation**

name of component: ribosomal protein L12 pseudogene 7

[NPU47206](#)

DNA(spec.)—RPL12P7 gene; seq.var. = ?

DNA(specification)—**RPL13 gene;****sequence variation**

name of component: ribosomal protein L13

[NPU39488](#)

DNA(spec.)—RPL13 gene; seq.var. = ?

DNA(specification)—**RPL13A gene;****sequence variation**

name of component: ribosomal protein L13a

[NPU39489](#)

DNA(spec.)—RPL13A gene; seq.var. = ?

DNA(specification)—**RPL13AP2 gene;****sequence variation**

name of component: ribosomal protein L13a pseudogene 2

[NPU47148](#)

DNA(spec.)—RPL13AP2 gene; seq.var. = ?

DNA(specification)—**RPL13P2 gene;****sequence variation**

name of component: ribosomal protein L13 pseudogene 2

[NPU44364](#)

DNA(spec.)—RPL13P2 gene; seq.var. = ?

DNA(specification)—**RPL14 gene;****sequence variation**

name of component: ribosomal protein L14

[NPU39490](#)

DNA(spec.)—RPL14 gene; seq.var. = ?

DNA(specification)—**RPL15 gene;****sequence variation**

name of component: ribosomal protein L15

[NPU39491](#)

DNA(spec.)—RPL15 gene; seq.var. = ?

DNA(specification)—**RPL15P1 gene;****sequence variation**

name of component: ribosomal protein L15 pseudogene 1

[NPU44563](#)

DNA(spec.)—RPL15P1 gene; seq.var. = ?

DNA(specification)—**RPL15P2 gene;****sequence variation**

name of component: ribosomal protein L15 pseudogene 2

[NPU47227](#)

DNA(spec.)—RPL15P2 gene; seq.var. = ?

DNA(specification)—**RPL17 gene;****sequence variation**

name of component: ribosomal protein L17

[NPU39492](#)

DNA(spec.)—RPL17 gene; seq.var. = ?

DNA(specification)—**RPL17L1 gene;****sequence variation**name of component: ribosomal protein L17-like 1,
G1-phase expressed[NPU39493](#)

DNA(spec.)—RPL17L1 gene; seq.var. = ?

DNA(specification)—**RPL17P1 gene;****sequence variation**name of component: ribosomal protein L17 pseu-
dogene 1[NPU44540](#)

DNA(spec.)—RPL17P1 gene; seq.var. = ?

DNA(specification)—**RPL17P3 gene;****sequence variation**name of component: ribosomal protein L17 pseu-
dogene 3[NPU47220](#)

DNA(spec.)—RPL17P3 gene; seq.var. = ?

DNA(specification)—**RPL17P4 gene;****sequence variation**name of component: ribosomal protein L17 pseu-
dogene 4[NPU47234](#)

DNA(spec.)—RPL17P4 gene; seq.var. = ?

DNA(specification)—**RPL18 gene;****sequence variation**

name of component: ribosomal protein L18

[NPU39494](#)

DNA(spec.)—RPL18 gene; seq.var. = ?

DNA(specification)—**RPL18A gene;****sequence variation**

name of component: ribosomal protein L18a

[NPU39495](#)

DNA(spec.)—RPL18A gene; seq.var. = ?

DNA(specification)—**RPL18AP1 gene;****sequence variation**name of component: ribosomal protein L18a pseu-
dogene 1[NPU47202](#)

DNA(spec.)—RPL18AP1 gene; seq.var. = ?

DNA(specification)—**RPL18P1 gene;****sequence variation**name of component: ribosomal protein L18 pseu-
dogene 1[NPU47146](#)

DNA(spec.)—RPL18P1 gene; seq.var. = ?

DNA(specification)—**RPL19 gene;****sequence variation**

name of component: ribosomal protein L19

[NPU39496](#)

DNA(spec.)—RPL19 gene; seq.var. = ?

DNA(specification)—**RPL19P1 gene;****sequence variation**name of component: ribosomal protein L19 pseu-
dogene 1[NPU44575](#)

DNA(spec.)—RPL19P1 gene; seq.var. = ?

DNA(specification)—**RPL21 gene;****sequence variation**

name of component: ribosomal protein L21

[NPU39497](#)

DNA(spec.)—RPL21 gene; seq.var. = ?

DNA(specification)—**RPL21P1 gene;****sequence variation**name of component: ribosomal protein L21 pseu-
dogene 1[NPU39498](#)

DNA(spec.)—RPL21P1 gene; seq.var. = ?

DNA(specification)—**RPL21P10 gene;****sequence variation**name of component: ribosomal protein L21 pseu-
dogene 10[NPU47219](#)

DNA(spec.)—RPL21P10 gene; seq.var. = ?

DNA(specification)—**RPL21P11 gene;****sequence variation**

name of component: ribosomal protein L21 pseudogene 11

[NPU47224](#)

DNA(spec.)—RPL21P11 gene; seq.var. = ?

DNA(specification)—**RPL21P12 gene;****sequence variation**

name of component: ribosomal protein L21 pseudogene 12

[NPU47233](#)

DNA(spec.)—RPL21P12 gene; seq.var. = ?

DNA(specification)—**RPL21P13 gene;****sequence variation**

name of component: ribosomal protein L21 pseudogene 13

[NPU47235](#)

DNA(spec.)—RPL21P13 gene; seq.var. = ?

DNA(specification)—**RPL21P2 gene;****sequence variation**

name of component: ribosomal protein L21 pseudogene 2

[NPU44520](#)

DNA(spec.)—RPL21P2 gene; seq.var. = ?

DNA(specification)—**RPL21P3 gene;****sequence variation**

name of component: ribosomal protein L21 pseudogene 3

[NPU44514](#)

DNA(spec.)—RPL21P3 gene; seq.var. = ?

DNA(specification)—**RPL21P4 gene;****sequence variation**

name of component: ribosomal protein L21 pseudogene 4

[NPU46195](#)

DNA(spec.)—RPL21P4 gene; seq.var. = ?

DNA(specification)—**RPL21P7 gene;****sequence variation**

name of component: ribosomal protein L21 pseudogene 7

[NPU47196](#)

DNA(spec.)—RPL21P7 gene; seq.var. = ?

DNA(specification)—**RPL21P8 gene;****sequence variation**

name of component: ribosomal protein L21 pseudogene 8

[NPU47203](#)

DNA(spec.)—RPL21P8 gene; seq.var. = ?

DNA(specification)—**RPL21P9 gene;****sequence variation**

name of component: ribosomal protein L21 pseudogene 9

[NPU47204](#)

DNA(spec.)—RPL21P9 gene; seq.var. = ?

DNA(specification)—**RPL22 gene;****sequence variation**

name of component: ribosomal protein L22

[NPU39499](#)

DNA(spec.)—RPL22 gene; seq.var. = ?

DNA(specification)—**RPL22P1 gene;****sequence variation**

name of component: ribosomal protein L22 pseudogene 1

[NPU46216](#)

DNA(spec.)—RPL22P1 gene; seq.var. = ?

DNA(specification)—**RPL22P2 gene;****sequence variation**

name of component: ribosomal protein L22 pseudogene 2

[NPU47218](#)

DNA(spec.)—RPL22P2 gene; seq.var. = ?

DNA(specification)—**RPL23 gene;****sequence variation**

name of component: ribosomal protein L23

[NPU39500](#)

DNA(spec.)—RPL23 gene; seq.var. = ?

DNA(specification)—**RPL23A gene;****sequence variation**

name of component: ribosomal protein L23a

[NPU39501](#)

DNA(spec.)—RPL23A gene; seq.var. = ?

DNA(specification)—**RPL23AP1 gene;****sequence variation**

name of component: ribosomal protein L23a pseudogene 1

[NPU39502](#)

DNA(spec.)—RPL23AP1 gene; seq.var. = ?

DNA(specification)—**RPL23AP10 gene;****sequence variation**

name of component: ribosomal protein L23a pseudogene 10

[NPU47228](#)

DNA(spec.)—RPL23AP10 gene; seq.var. = ?

DNA(specification)—**RPL23AP11 gene;****sequence variation**

name of component: ribosomal protein L23a pseudogene 11

[NPU47232](#)

DNA(spec.)—RPL23AP11 gene; seq.var. = ?

DNA(specification)—**RPL23AP2 gene;****sequence variation**

name of component: ribosomal protein L23a pseudogene 2

[NPU39503](#)

DNA(spec.)—RPL23AP2 gene; seq.var. = ?

DNA(specification)—**RPL23AP3 gene;****sequence variation**

name of component: ribosomal protein L23a pseudogene 3

[NPU39504](#)

DNA(spec.)—RPL23AP3 gene; seq.var. = ?

DNA(specification)—**RPL23AP4 gene;****sequence variation**

name of component: ribosomal protein L23a pseudogene 4

[NPU39505](#)

DNA(spec.)—RPL23AP4 gene; seq.var. = ?

DNA(specification)—**RPL23AP5 gene;****sequence variation**

name of component: ribosomal protein L23a pseudogene 5

[NPU42581](#)

DNA(spec.)—RPL23AP5 gene; seq.var. = ?

DNA(specification)—**RPL23AP6 gene;****sequence variation**

name of component: ribosomal protein L23a pseudogene 6

[NPU44536](#)

DNA(spec.)—RPL23AP6 gene; seq.var. = ?

DNA(specification)—**RPL23AP7 gene;****sequence variation**

name of component: ribosomal protein L23a pseudogene 7

[NPU44985](#)

DNA(spec.)—RPL23AP7 gene; seq.var. = ?

DNA(specification)—**RPL23P1 gene;****sequence variation**

name of component: ribosomal protein L23 pseudogene 1

[NPU39507](#)

DNA(spec.)—RPL23P1 gene; seq.var. = ?

DNA(specification)—**RPL23P2 gene;****sequence variation**

name of component: ribosomal protein L23 pseudogene 2

[NPU39508](#)

DNA(spec.)—RPL23P2 gene; seq.var. = ?

DNA(specification)—**RPL24 gene;****sequence variation**

name of component: ribosomal protein L24

[NPU39509](#)

DNA(spec.)—RPL24 gene; seq.var. = ?

DNA(specification)—**RPL24P1 gene;****sequence variation**

name of component: ribosomal protein L24 pseudogene 1

[NPU44572](#)

DNA(spec.)—RPL24P1 gene; seq.var. = ?

DNA(specification)—**RPL24P2 gene;****sequence variation**

name of component: ribosomal protein L24 pseudogene 2

[NPU44577](#)

DNA(spec.)—RPL24P2 gene; seq.var. = ?

DNA(specification)—**RPL24P3 gene;****sequence variation**

name of component: ribosomal protein L24 pseudogene 3

[NPU47208](#)

DNA(spec.)—RPL24P3 gene; seq.var. = ?

DNA(specification)—**RPL25P1 gene;****sequence variation**

name of component: ribosomal protein L25 pseudogene 1

[NPU39510](#)

DNA(spec.)—RPL25P1 gene; seq.var. = ?

DNA(specification)—**RPL26 gene;****sequence variation**

name of component: ribosomal protein L26

[NPU39511](#)

DNA(spec.)—RPL26 gene; seq.var. = ?

DNA(specification)—**RPL26L1 gene;****sequence variation**

name of component: ribosomal protein L26-like 1

[NPU44830](#)

DNA(spec.)—RPL26L1 gene; seq.var. = ?

DNA(specification)—**RPL26P2 gene;****sequence variation**

name of component: ribosomal protein L26 pseudogene 2

[NPU47197](#)

DNA(spec.)—RPL26P2 gene; seq.var. = ?

DNA(specification)—**RPL26P3 gene;****sequence variation**

name of component: ribosomal protein L26 pseudogene 3

[NPU47200](#)

DNA(spec.)—RPL26P3 gene; seq.var. = ?

DNA(specification)—**RPL26P4 gene;****sequence variation**

name of component: ribosomal protein L26 pseudogene 4

[NPU47231](#)

DNA(spec.)—RPL26P4 gene; seq.var. = ?

DNA(specification)—**RPL27 gene;****sequence variation**

name of component: ribosomal protein L27

[NPU39512](#)

DNA(spec.)—RPL27 gene; seq.var. = ?

DNA(specification)—**RPL27A gene;****sequence variation**

name of component: ribosomal protein L27a

[NPU39513](#)

DNA(spec.)—RPL27A gene; seq.var. = ?

DNA(specification)—**RPL27AP gene;****sequence variation**

name of component: ribosomal protein L27a pseudogene

[NPU44290](#)

DNA(spec.)—RPL27AP gene; seq.var. = ?

DNA(specification)—**RPL27P1 gene;****sequence variation**

name of component: ribosomal protein L27 pseudogene 1

[NPU47141](#)

DNA(spec.)—RPL27P1 gene; seq.var. = ?

DNA(specification)—**RPL28 gene;****sequence variation**

name of component: ribosomal protein L28

[NPU39514](#)

DNA(spec.)—RPL28 gene; seq.var. = ?

DNA(specification)—**RPL29 gene;****sequence variation**

name of component: ribosomal protein L29

[NPU39515](#)

DNA(spec.)—RPL29 gene; seq.var. = ?

DNA(specification)—**RPL29P2 gene;****sequence variation**

name of component: ribosomal protein L29 pseudogene 2

[NPU44984](#)

DNA(spec.)—RPL29P2 gene; seq.var. = ?

DNA(specification)—**RPL3 gene;****sequence variation**

name of component: ribosomal protein L3

[NPU39516](#)

DNA(spec.)—RPL3 gene; seq.var. = ?

DNA(specification)—**RPL30 gene;****sequence variation**

name of component: ribosomal protein L30

[NPU39517](#)

DNA(spec.)—RPL30 gene; seq.var. = ?

DNA(specification)—**RPL31 gene;****sequence variation**

name of component: ribosomal protein L31

[NPU39518](#)

DNA(spec.)—RPL31 gene; seq.var. = ?

DNA(specification)—**RPL31P1 gene;****sequence variation**

name of component: ribosomal protein L31 pseudogene 1

[NPU39519](#)

DNA(spec.)—RPL31P1 gene; seq.var. = ?

DNA(specification)—**RPL31P2 gene;****sequence variation**

name of component: ribosomal protein L31 pseudogene 2

[NPU44556](#)

DNA(spec.)—RPL31P2 gene; seq.var. = ?

DNA(specification)—**RPL31P3 gene;****sequence variation**

name of component: ribosomal protein L31 pseudogene 3

[NPU44530](#)

DNA(spec.)—RPL31P3 gene; seq.var. = ?

DNA(specification)—**RPL32 gene;****sequence variation**

name of component: ribosomal protein L32

[NPU39520](#)

DNA(spec.)—RPL32 gene; seq.var. = ?

DNA(specification)—**RPL32L gene;****sequence variation**

name of component: ribosomal protein L32-like

[NPU39521](#)

DNA(spec.)—RPL32L gene; seq.var. = ?

DNA(specification)—**RPL32L2 gene;****sequence variation**

name of component: ribosomal protein L32-like 2

[NPU39522](#)

DNA(spec.)—RPL32L2 gene; seq.var. = ?

DNA(specification)—**RPL32P1 gene;****sequence variation**

name of component: ribosomal protein L32 pseudogene 1

[NPU39523](#)

DNA(spec.)—RPL32P1 gene; seq.var. = ?

DNA(specification)—**RPL34 gene;****sequence variation**

name of component: ribosomal protein L34

[NPU39524](#)

DNA(spec.)—RPL34 gene; seq.var. = ?

DNA(specification)—**RPL34P1 gene;****sequence variation**

name of component: ribosomal protein L34 pseudogene 1

[NPU39525](#)

DNA(spec.)—RPL34P1 gene; seq.var. = ?

DNA(specification)—**RPL34P2 gene;****sequence variation**

name of component: ribosomal protein L34 pseudogene 2

[NPU39526](#)

DNA(spec.)—RPL34P2 gene; seq.var. = ?

DNA(specification)—**RPL34P3 gene;****sequence variation**

name of component: ribosomal protein L34 pseudogene 3

[NPU39527](#)

DNA(spec.)—RPL34P3 gene; seq.var. = ?

DNA(specification)—**RPL35 gene;****sequence variation**

name of component: ribosomal protein L35

[NPU39528](#)

DNA(spec.)—RPL35 gene; seq.var. = ?

DNA(specification)—**RPL35A gene;****sequence variation**

name of component: ribosomal protein L35a

[NPU39529](#)

DNA(spec.)—RPL35A gene; seq.var. = ?

DNA(specification)—**RPL35AP gene;****sequence variation**

name of component: ribosomal protein L35a pseudogene

[NPU44527](#)

DNA(spec.)—RPL35AP gene; seq.var. = ?

DNA(specification)—**RPL36 gene;****sequence variation**

name of component: ribosomal protein L36

[NPU42244](#)

DNA(spec.)—RPL36 gene; seq.var. = ?

DNA(specification)—**RPL36A gene;****sequence variation**

name of component: ribosomal protein L36A

[NPU39543](#)

DNA(spec.)—RPL36A gene; seq.var. = ?

DNA(specification)—**RPL36AL gene;****sequence variation**

name of component: ribosomal protein L36a-like

[NPU39530](#)

DNA(spec.)—RPL36AL gene; seq.var. = ?

DNA(specification)—**RPL36AP2 gene;****sequence variation**

name of component: ribosomal protein L36a pseudogene 2

[NPU47201](#)

DNA(spec.)—RPL36AP2 gene; seq.var. = ?

DNA(specification)—**RPL36AP3 gene;****sequence variation**

name of component: ribosomal protein L36a pseudogene 3

[NPU47210](#)

DNA(spec.)—RPL36AP3 gene; seq.var. = ?

DNA(specification)—**RPL36AP4 gene;****sequence variation**

name of component: ribosomal protein L36a pseudogene 4

[NPU47226](#)

DNA(spec.)—RPL36AP4 gene; seq.var. = ?

DNA(specification)—**RPL36P1 gene;****sequence variation**

name of component: ribosomal protein L36 pseudogene 1

[NPU44360](#)

DNA(spec.)—RPL36P1 gene; seq.var. = ?

DNA(specification)—**RPL36P2 gene;****sequence variation**

name of component: ribosomal protein L36 pseudogene 2

[NPU44551](#)

DNA(spec.)—RPL36P2 gene; seq.var. = ?

DNA(specification)—**RPL36P4 gene;****sequence variation**

name of component: ribosomal protein L36 pseudogene 4

[NPU44550](#)

DNA(spec.)—RPL36P4 gene; seq.var. = ?

DNA(specification)—**RPL37 gene;****sequence variation**

name of component: ribosomal protein L37

[NPU39531](#)

DNA(spec.)—RPL37 gene; seq.var. = ?

DNA(specification)—**RPL37A gene;****sequence variation**

name of component: ribosomal protein L37a

[NPU39532](#)

DNA(spec.)—RPL37A gene; seq.var. = ?

DNA(specification)—**RPL37AP1 gene;****sequence variation**

name of component: ribosomal protein L37a pseudogene 1

[NPU44529](#)

DNA(spec.)—RPL37AP1 gene; seq.var. = ?

DNA(specification)—**RPL37P1 gene;****sequence variation**

name of component: ribosomal protein L37 pseudogene 1

[NPU44359](#)

DNA(spec.)—RPL37P1 gene; seq.var. = ?

DNA(specification)—**RPL37P2 gene;****sequence variation**

name of component: ribosomal protein L37 pseudogene 2

[NPU44846](#)

DNA(spec.)—RPL37P2 gene; seq.var. = ?

DNA(specification)—**RPL38 gene;****sequence variation**

name of component: ribosomal protein L38

[NPU39533](#)

DNA(spec.)—RPL38 gene; seq.var. = ?

DNA(specification)—**RPL38P1 gene;****sequence variation**

name of component: ribosomal protein L38 pseudogene 1

[NPU44847](#)

DNA(spec.)—RPL38P1 gene; seq.var. = ?

DNA(specification)—**RPL39 gene;****sequence variation**

name of component: ribosomal protein L39

[NPU39534](#)

DNA(spec.)—RPL39 gene; seq.var. = ?

DNA(specification)—**RPL39L gene;****sequence variation**

name of component: ribosomal protein L39-like

[NPU44848](#)

DNA(spec.)—RPL39L gene; seq.var. = ?

DNA(specification)—**RPL39P gene;****sequence variation**

name of component: ribosomal protein L39 pseudogene

[NPU44539](#)

DNA(spec.)—RPL39P gene; seq.var. = ?

DNA(specification)—**RPL39P2 gene;****sequence variation**

name of component: ribosomal protein L39 pseudogene 2

[NPU47198](#)

DNA(spec.)—RPL39P2 gene; seq.var. = ?

DNA(specification)—**RPL3L gene;****sequence variation**

name of component: ribosomal protein L3-like

[NPU39535](#)

DNA(spec.)—RPL3L gene; seq.var. = ?

DNA(specification)—**RPL3P1 gene;****sequence variation**

name of component: ribosomal protein L3 pseudogene 1

[NPU39536](#)

DNA(spec.)—RPL3P1 gene; seq.var. = ?

DNA(specification)—**RPL3P2 gene;****sequence variation**

name of component: ribosomal protein L3 pseudogene 2

[NPU46131](#)

DNA(spec.)—RPL3P2 gene; seq.var. = ?

DNA(specification)—**RPL3P4 gene;****sequence variation**

name of component: ribosomal protein L3 pseudogene 4

[NPU47229](#)

DNA(spec.)—RPL3P4 gene; seq.var. = ?

DNA(specification)—**RPL4 gene;****sequence variation**

name of component: ribosomal protein L4

[NPU39537](#)

DNA(spec.)—RPL4 gene; seq.var. = ?

DNA(specification)—**RPL41 gene;****sequence variation**

name of component: ribosomal protein L41

[NPU39538](#)

DNA(spec.)—RPL41 gene; seq.var. = ?

DNA(specification)—**RPL41L gene;****sequence variation**

name of component: ribosomal protein L41-like

[NPU39539](#)

DNA(spec.)—RPL41L gene; seq.var. = ?

DNA(specification)—**RPL41P1 gene;****sequence variation**

name of component: ribosomal protein L41, pseudogene 1

[NPU39540](#)

DNA(spec.)—RPL41P1 gene; seq.var. = ?

DNA(specification)—**RPL41P2 gene;****sequence variation**

name of component: ribosomal protein L41, pseudogene 2

[NPU39541](#)

DNA(spec.)—RPL41P2 gene; seq.var. = ?

DNA(specification)—**RPL41P3 gene;****sequence variation**

name of component: ribosomal protein L41, pseudogene 3

[NPU39542](#)

DNA(spec.)—RPL41P3 gene; seq.var. = ?

DNA(specification)—**RPL41P4 gene;****sequence variation**

name of component: ribosomal protein L41 pseudogene 4

[NPU47212](#)

DNA(spec.)—RPL41P4 gene; seq.var. = ?

DNA(specification)—**RPL5 gene;****sequence variation**

name of component: ribosomal protein L5

[NPU39544](#)

DNA(spec.)—RPL5 gene; seq.var. = ?

DNA(specification)—**RPL5P1 gene;****sequence variation**

name of component: ribosomal protein L5 pseudogene 1

[NPU39545](#)

DNA(spec.)—RPL5P1 gene; seq.var. = ?

DNA(specification)—**RPL5P2 gene;****sequence variation**

name of component: ribosomal protein L5 pseudogene 2

[NPU44549](#)

DNA(spec.)—RPL5P2 gene; seq.var. = ?

DNA(specification)—**RPL6 gene;****sequence variation**

name of component: ribosomal protein L6

[NPU39546](#)

DNA(spec.)—RPL6 gene; seq.var. = ?

DNA(specification)—**RPL7 gene;****sequence variation**

name of component: ribosomal protein L7

[NPU39547](#)

DNA(spec.)—RPL7 gene; seq.var. = ?

DNA(specification)—**RPL7A gene;****sequence variation**

name of component: ribosomal protein L7a

[NPU39548](#)

DNA(spec.)—RPL7A gene; seq.var. = ?

DNA(specification)—**RPL7AL1 gene;****sequence variation**

name of component: ribosomal protein L7A-like 1, G1-phase expressed

[NPU39549](#)

DNA(spec.)—RPL7AL1 gene; seq.var. = ?

DNA(specification)—**RPL7AL2 gene;****sequence variation**

name of component: ribosomal protein L7a like 2

[NPU44543](#)

DNA(spec.)—RPL7AL2 gene; seq.var. = ?

DNA(specification)—**RPL7AL3 gene;****sequence variation**

name of component: ribosomal protein L7a-like 3

[NPU44546](#)

DNA(spec.)—RPL7AL3 gene; seq.var. = ?

DNA(specification)—**RPL7AL4 gene;****sequence variation**

name of component: ribosomal protein L7A-like 4

[NPU44570](#)

DNA(spec.)—RPL7AL4 gene; seq.var. = ?

DNA(specification)—**RPL7AP5 gene;****sequence variation**

name of component: ribosomal protein L7a pseudogene 5

[NPU47205](#)

DNA(spec.)—RPL7AP5 gene; seq.var. = ?

DNA(specification)—**RPL7AP6 gene;****sequence variation**

name of component: ribosomal protein L7a pseudogene 6

[NPU47209](#)

DNA(spec.)—RPL7AP6 gene; seq.var. = ?

DNA(specification)—**RPL7P gene;****sequence variation**

name of component: ribosomal protein L7 pseudogene

[NPU39550](#)

DNA(spec.)—RPL7P gene; seq.var. = ?

DNA(specification)—**RPL7P2 gene;****sequence variation**

name of component: ribosomal protein L7 pseudogene 2

[NPU44358](#)

DNA(spec.)—RPL7P2 gene; seq.var. = ?

DNA(specification)—**RPL7P3 gene;****sequence variation**

name of component: ribosomal protein L7 pseudogene 3

[NPU44547](#)

DNA(spec.)—RPL7P3 gene; seq.var. = ?

DNA(specification)—**RPL8 gene;****sequence variation**

name of component: ribosomal protein L8

[NPU39551](#)

DNA(spec.)—RPL8 gene; seq.var. = ?

DNA(specification)—**RPL9 gene;****sequence variation**

name of component: ribosomal protein L9

[NPU39552](#)

DNA(spec.)—RPL9 gene; seq.var. = ?

DNA(specification)—**RPL9P1 gene;****sequence variation**

name of component: ribosomal protein L9 pseudogene 1

[NPU39553](#)

DNA(spec.)—RPL9P1 gene; seq.var. = ?

DNA(specification)—**RPL9P2 gene;****sequence variation**

name of component: ribosomal protein L9 pseudogene 2

[NPU44829](#)

DNA(spec.)—RPL9P2 gene; seq.var. = ?

DNA(specification)—**RPL9P6 gene;****sequence variation**

name of component: ribosomal protein L9 pseudogene 6

[NPU47222](#)

DNA(spec.)—RPL9P6 gene; seq.var. = ?

DNA(specification)—**RPLP0 gene;****sequence variation**

name of component: ribosomal protein, large, P0

[NPU39554](#)

DNA(spec.)—RPLP0 gene; seq.var. = ?

DNA(specification)—**RPLP0P1 gene;****sequence variation**

name of component: ribosomal protein, large, P0 pseudogene 1

[NPU44565](#)

DNA(spec.)—RPLP0P1 gene; seq.var. = ?

DNA(specification)—**RPLP0P2 gene;****sequence variation**

name of component: ribosomal protein, large, P0 pseudogene 2

[NPU46196](#)

DNA(spec.)—RPLP0P2 gene; seq.var. = ?

DNA(specification)—**RPLP1 gene;****sequence variation**

name of component: ribosomal protein, large, P1

[NPU39555](#)

DNA(spec.)—RPLP1 gene; seq.var. = ?

DNA(specification)—**RPLP1P1 gene;****sequence variation**

name of component: ribosomal protein, large, P1 pseudogene 1

[NPU47217](#)

DNA(spec.)—RPLP1P1 gene; seq.var. = ?

DNA(specification)—**RPLP2 gene;****sequence variation**

name of component: ribosomal protein, large P2

[NPU39556](#)

DNA(spec.)—RPLP2 gene; seq.var. = ?

DNA(specification)—**RPN1 gene;****sequence variation**

name of component: ribophorin I

[NPU39560](#)

DNA(spec.)—RPN1 gene; seq.var. = ?

DNA(specification)—**RPN2 gene;****sequence variation**

name of component: ribophorin II

[NPU39561](#)

DNA(spec.)—RPN2 gene; seq.var. = ?

DNA(specification)—**RPS10 gene;****sequence variation**

name of component: ribosomal protein S10

[NPU39562](#)

DNA(spec.)—RPS10 gene; seq.var. = ?

DNA(specification)—**RPS10L gene;****sequence variation**

name of component: ribosomal protein S10-like

[NPU43903](#)

DNA(spec.)—RPS10L gene; seq.var. = ?

DNA(specification)—**RPS10P2 gene;****sequence variation**

name of component: ribosomal protein S10 pseudogene 2

[NPU44574](#)

DNA(spec.)—RPS10P2 gene; seq.var. = ?

DNA(specification)—**RPS11 gene;****sequence variation**

name of component: ribosomal protein S11

[NPU39563](#)

DNA(spec.)—RPS11 gene; seq.var. = ?

DNA(specification)—
RPS11P1 gene;
sequence variation
name of component: ribosomal protein S11, pseudogene 1
[NPU44534](#)
DNA(spec.)—RPS11P1 gene; seq.var. = ?

DNA(specification)—
RPS12 gene;
sequence variation
name of component: ribosomal protein S12
[NPU39564](#)
DNA(spec.)—RPS12 gene; seq.var. = ?

DNA(specification)—
RPS12P1 gene;
sequence variation
name of component: ribosomal protein S12 pseudogene 1
[NPU47211](#)
DNA(spec.)—RPS12P1 gene; seq.var. = ?

DNA(specification)—
RPS13 gene;
sequence variation
name of component: ribosomal protein S13
[NPU39565](#)
DNA(spec.)—RPS13 gene; seq.var. = ?

DNA(specification)—
RPS14 gene;
sequence variation
name of component: ribosomal protein S14
[NPU39566](#)
DNA(spec.)—RPS14 gene; seq.var. = ?

DNA(specification)—
RPS15 gene;
sequence variation
name of component: ribosomal protein S15
[NPU39567](#)
DNA(spec.)—RPS15 gene; seq.var. = ?

DNA(specification)—
RPS15A gene;
sequence variation
name of component: ribosomal protein S15a
[NPU39568](#)
DNA(spec.)—RPS15A gene; seq.var. = ?

DNA(specification)—
RPS15AP1 gene;
sequence variation
name of component: ribosomal protein S15a pseudogene 1
[NPU44578](#)
DNA(spec.)—RPS15AP1 gene; seq.var. = ?

DNA(specification)—
RPS15AP2 gene;
sequence variation
name of component: ribosomal protein S15a pseudogene 2
[NPU47144](#)
DNA(spec.)—RPS15AP2 gene; seq.var. = ?

DNA(specification)—
RPS15AP3 gene;
sequence variation
name of component: ribosomal protein S15a pseudogene 3
[NPU47147](#)
DNA(spec.)—RPS15AP3 gene; seq.var. = ?

DNA(specification)—
RPS15P1 gene;
sequence variation
name of component: ribosomal protein S15 pseudogene 1
[NPU39569](#)
DNA(spec.)—RPS15P1 gene; seq.var. = ?

DNA(specification)—
RPS15P2 gene;
sequence variation
name of component: ribosomal protein S15 pseudogene 2
[NPU39570](#)
DNA(spec.)—RPS15P2 gene; seq.var. = ?

DNA(specification)—
RPS15P3 gene;
sequence variation
name of component: ribosomal protein S15 pseudogene 3
[NPU39571](#)
DNA(spec.)—RPS15P3 gene; seq.var. = ?

DNA(specification)—
RPS15P4 gene;
sequence variation
name of component: ribosomal protein S15 pseudogene 4
[NPU39572](#)
DNA(spec.)—RPS15P4 gene; seq.var. = ?

DNA(specification)—
RPS15P5 gene;
sequence variation
name of component: ribosomal protein S15 pseudogene 5
[NPU39573](#)
DNA(spec.)—RPS15P5 gene; seq.var. = ?

DNA(specification)—**RPS15P6 gene;****sequence variation**

name of component: ribosomal protein S15 pseudogene 6

[NPU39574](#)

DNA(spec.)—RPS15P6 gene; seq.var. = ?

DNA(specification)—**RPS16 gene;****sequence variation**

name of component: ribosomal protein S16

[NPU39575](#)

DNA(spec.)—RPS16 gene; seq.var. = ?

DNA(specification)—**RPS17 gene;****sequence variation**

name of component: ribosomal protein S17

[NPU39576](#)

DNA(spec.)—RPS17 gene; seq.var. = ?

DNA(specification)—**RPS17L3 gene;****sequence variation**

name of component: ribosomal protein S17-like 3, G1-phase expressed

[NPU39579](#)

DNA(spec.)—RPS17L3 gene; seq.var. = ?

DNA(specification)—**RPS17P2 gene;****sequence variation**

name of component: ribosomal protein S17 pseudogene 2

[NPU39577](#)

DNA(spec.)—RPS17P2 gene; seq.var. = ?

DNA(specification)—**RPS17P3 gene;****sequence variation**

name of component: ribosomal protein S17 pseudogene 3

[NPU39578](#)

DNA(spec.)—RPS17P3 gene; seq.var. = ?

DNA(specification)—**RPS17P4 gene;****sequence variation**

name of component: ribosomal protein S17 pseudogene 4

[NPU47035](#)

DNA(spec.)—RPS17P4 gene; seq.var. = ?

DNA(specification)—**RPS18 gene;****sequence variation**

name of component: ribosomal protein S18

[NPU39580](#)

DNA(spec.)—RPS18 gene; seq.var. = ?

DNA(specification)—**RPS18P1 gene;****sequence variation**

name of component: ribosomal protein S18 pseudogene 1

[NPU44531](#)

DNA(spec.)—RPS18P1 gene; seq.var. = ?

DNA(specification)—**RPS18P2 gene;****sequence variation**

name of component: ribosomal protein S18 pseudogene 2

[NPU47225](#)

DNA(spec.)—RPS18P2 gene; seq.var. = ?

DNA(specification)—**RPS19 gene;****sequence variation**

name of component: ribosomal protein S19

[NPU39581](#)

DNA(spec.)—RPS19 gene; seq.var. = ?

DNA(specification)—**RPS19P1 gene;****sequence variation**

name of component: ribosomal protein S19 pseudogene 1

[NPU44515](#)

DNA(spec.)—RPS19P1 gene; seq.var. = ?

DNA(specification)—**RPS19P2 gene;****sequence variation**

name of component: ribosomal protein S19 pseudogene 2

[NPU44828](#)

DNA(spec.)—RPS19P2 gene; seq.var. = ?

DNA(specification)—**RPS2 gene;****sequence variation**

name of component: ribosomal protein S2

[NPU39582](#)

DNA(spec.)—RPS2 gene; seq.var. = ?

DNA(specification)—**RPS20 gene;****sequence variation**

name of component: ribosomal protein S20

[NPU39583](#)

DNA(spec.)—RPS20 gene; seq.var. = ?

DNA(specification)—**RPS20P1 gene;****sequence variation**

name of component: ribosomal protein S20, pseudogene 1

[NPU39586](#)

DNA(spec.)—RPS20P1 gene; seq.var. = ?

DNA(specification)—**RPS20P2 gene;****sequence variation**

name of component: ribosomal protein S20 pseudogene 2

[NPU42582](#)

DNA(spec.)—RPS20P2 gene; seq.var. = ?

DNA(specification)—**RPS20P3 gene;****sequence variation**

name of component: ribosomal protein S20 pseudogene 3

[NPU39584](#)

DNA(spec.)—RPS20P3 gene; seq.var. = ?

DNA(specification)—**RPS20P4 gene;****sequence variation**

name of component: ribosomal protein S20 pseudogene 4

[NPU39585](#)

DNA(spec.)—RPS20P4 gene; seq.var. = ?

DNA(specification)—**RPS21 gene;****sequence variation**

name of component: ribosomal protein S21

[NPU39587](#)

DNA(spec.)—RPS21 gene; seq.var. = ?

DNA(specification)—**RPS23 gene;****sequence variation**

name of component: ribosomal protein S23

[NPU39588](#)

DNA(spec.)—RPS23 gene; seq.var. = ?

DNA(specification)—**RPS23P1 gene;****sequence variation**

name of component: ribosomal protein S23 pseudogene 1

[NPU44103](#)

DNA(spec.)—RPS23P1 gene; seq.var. = ?

DNA(specification)—**RPS24 gene;****sequence variation**

name of component: ribosomal protein S24

[NPU39589](#)

DNA(spec.)—RPS24 gene; seq.var. = ?

DNA(specification)—**RPS24P1 gene;****sequence variation**

name of component: ribosomal protein S24 pseudogene 1

[NPU39590](#)

DNA(spec.)—RPS24P1 gene; seq.var. = ?

DNA(specification)—**RPS24P2 gene;****sequence variation**

name of component: ribosomal protein S24 pseudogene 2

[NPU47215](#)

DNA(spec.)—RPS24P2 gene; seq.var. = ?

DNA(specification)—**RPS24P3 gene;****sequence variation**

name of component: ribosomal protein S24 pseudogene 3

[NPU47221](#)

DNA(spec.)—RPS24P3 gene; seq.var. = ?

DNA(specification)—**RPS25 gene;****sequence variation**

name of component: ribosomal protein S25

[NPU39591](#)

DNA(spec.)—RPS25 gene; seq.var. = ?

DNA(specification)—**RPS26 gene;****sequence variation**

name of component: ribosomal protein S26

[NPU39592](#)

DNA(spec.)—RPS26 gene; seq.var. = ?

DNA(specification)—**RPS26P1 gene;****sequence variation**

name of component: ribosomal protein S26 pseudogene 1

[NPU39593](#)

DNA(spec.)—RPS26P1 gene; seq.var. = ?

DNA(specification)—**RPS27 gene;****sequence variation**

name of component: ribosomal protein S27 (metal-
lopanstimulin 1)

[NPU39594](#)

DNA(spec.)—RPS27 gene; seq.var. = ?

DNA(specification)—**RPS27A gene;****sequence variation**

name of component: ribosomal protein S27a

[NPU39595](#)

DNA(spec.)—RPS27A gene; seq.var. = ?

DNA(specification)—**RPS27AP1 gene;****sequence variation**

name of component: ribosomal protein S27a pseudogene 1

[NPU44862](#)

DNA(spec.)—RPS27AP1 gene; seq.var. = ?

DNA(specification)—**RPS27AP2 gene;****sequence variation**

name of component: ribosomal protein S27a pseudogene 2

[NPU44553](#)

DNA(spec.)—RPS27AP2 gene; seq.var. = ?

DNA(specification)—**RPS27AP3 gene;****sequence variation**

name of component: ribosomal protein S27a pseudogene 3

[NPU44519](#)

DNA(spec.)—RPS27AP3 gene; seq.var. = ?

DNA(specification)—**RPS27AP4 gene;****sequence variation**

name of component: ribosomal protein S27a pseudogene 4

[NPU47199](#)

DNA(spec.)—RPS27AP4 gene; seq.var. = ?

DNA(specification)—**RPS27L gene;****sequence variation**

name of component: ribosomal protein S27-like

[NPU46485](#)

DNA(spec.)—RPS27L gene; seq.var. = ?

DNA(specification)—**RPS28 gene;****sequence variation**

name of component: ribosomal protein S28

[NPU39596](#)

DNA(spec.)—RPS28 gene; seq.var. = ?

DNA(specification)—**RPS29 gene;****sequence variation**

name of component: ribosomal protein S29

[NPU39597](#)

DNA(spec.)—RPS29 gene; seq.var. = ?

DNA(specification)—**RPS29P1 gene;****sequence variation**

name of component: ribosomal protein S29 pseudogene 1

[NPU47207](#)

DNA(spec.)—RPS29P1 gene; seq.var. = ?

DNA(specification)—**RPS2L1 gene;****sequence variation**

name of component: ribosomal protein S2-like 1

[NPU43935](#)

DNA(spec.)—RPS2L1 gene; seq.var. = ?

DNA(specification)—**RPS2P1 gene;****sequence variation**

name of component: ribosomal protein S2, pseudogene 1

[NPU44560](#)

DNA(spec.)—RPS2P1 gene; seq.var. = ?

DNA(specification)—**RPS2P2 gene;****sequence variation**

name of component: ribosomal protein S2 pseudogene 2

[NPU47214](#)

DNA(spec.)—RPS2P2 gene; seq.var. = ?

DNA(specification)—**RPS2P3 gene;****sequence variation**

name of component: ribosomal protein S2 pseudogene 3

[NPU47230](#)

DNA(spec.)—RPS2P3 gene; seq.var. = ?

DNA(specification)—**RPS2P4 gene;****sequence variation**

name of component: ribosomal protein S2 pseudogene 4

[NPU47237](#)

DNA(spec.)—RPS2P4 gene; seq.var. = ?

DNA(specification)—**RPS3 gene;****sequence variation**

name of component: ribosomal protein S3

[NPU39598](#)

DNA(spec.)—RPS3 gene; seq.var. = ?

DNA(specification)—**RPS3A gene;****sequence variation**

name of component: ribosomal protein S3A

[NPU39599](#)

DNA(spec.)—RPS3A gene; seq.var. = ?

DNA(specification)—**RPS3AP1 gene;****sequence variation**

name of component: ribosomal protein S3A pseudogene 1

[NPU39600](#)

DNA(spec.)—RPS3AP1 gene; seq.var. = ?

DNA(specification)—**RPS3AP2 gene;****sequence variation**

name of component: ribosomal protein S3A pseudogene 2

[NPU42583](#)

DNA(spec.)—RPS3AP2 gene; seq.var. = ?

DNA(specification)—**RPS3AP3 gene;****sequence variation**

name of component: ribosomal protein S3A pseudogene 3

[NPU44518](#)

DNA(spec.)—RPS3AP3 gene; seq.var. = ?

DNA(specification)—**RPS3L1 gene;****sequence variation**

name of component: ribosomal protein S3-like 1, G1-phase expressed

[NPU39601](#)

DNA(spec.)—RPS3L1 gene; seq.var. = ?

DNA(specification)—**RPS3P1 gene;****sequence variation**

name of component: ribosomal protein S3 pseudogene 1

[NPU44559](#)

DNA(spec.)—RPS3P1 gene; seq.var. = ?

DNA(specification)—**RPS3P2 gene;****sequence variation**

name of component: ribosomal protein S3 pseudogene 2

[NPU44583](#)

DNA(spec.)—RPS3P2 gene; seq.var. = ?

DNA(specification)—**RPS4L gene;****sequence variation**

name of component: ribosomal protein S4-like

[NPU44291](#)

DNA(spec.)—RPS4L gene; seq.var. = ?

DNA(specification)—**RPS4L2 gene;****sequence variation**

name of component: ribosomal protein S4-like 2

[NPU44544](#)

DNA(spec.)—RPS4L2 gene; seq.var. = ?

DNA(specification)—**RPS4X gene;****sequence variation**

name of component: ribosomal protein S4, X-linked

[NPU39602](#)

DNA(spec.)—RPS4X gene; seq.var. = ?

DNA(specification)—**RPS4Y gene;****sequence variation**

name of component: ribosomal protein S4, Y-linked

[NPU39603](#)

DNA(spec.)—RPS4Y gene; seq.var. = ?

DNA(specification)—**RPS4Y2 gene;****sequence variation**

name of component: ribosomal protein S4, Y-linked 2

[NPU46506](#)

DNA(spec.)—RPS4Y2 gene; seq.var. = ?

DNA(specification)—**RPS5 gene;****sequence variation**

name of component: ribosomal protein S5

[NPU39604](#)

DNA(spec.)—RPS5 gene; seq.var. = ?

DNA(specification)—**RPS5L gene;****sequence variation**

name of component: ribosomal protein S5-like

[NPU39605](#)

DNA(spec.)—RPS5L gene; seq.var. = ?

DNA(specification)—**RPS5P1 gene;****sequence variation**

name of component: ribosomal protein S5 pseudogene 1

[NPU39606](#)

DNA(spec.)—RPS5P1 gene; seq.var. = ?

DNA(specification)—**RPS6 gene;****sequence variation**

name of component: ribosomal protein S6

[NPU39607](#)

DNA(spec.)—RPS6 gene; seq.var. = ?

DNA(specification)—**RPS6KA1 gene;****sequence variation**

name of component: ribosomal protein S6 kinase,
90 kDa, polypeptide 1

[NPU39608](#)

DNA(spec.)—RPS6KA1 gene; seq.var. = ?

DNA(specification)—**RPS6KA2 gene;****sequence variation**

name of component: ribosomal protein S6 kinase,
90 kDa, polypeptide 2

[NPU39609](#)

DNA(spec.)—RPS6KA2 gene; seq.var. = ?

DNA(specification)—**RPS6KA3 gene;****sequence variation**

name of component: ribosomal protein S6 kinase,
90 kDa, polypeptide 3

[NPU39610](#)

DNA(spec.)—RPS6KA3 gene; seq.var. = ?

DNA(specification)—**RPS6KA4 gene;****sequence variation**

name of component: ribosomal protein S6 kinase,
90 kDa, polypeptide 4

[NPU39611](#)

DNA(spec.)—RPS6KA4 gene; seq.var. = ?

DNA(specification)—**RPS6KA5 gene;****sequence variation**

name of component: ribosomal protein S6 kinase,
90 kDa, polypeptide 5

[NPU39612](#)

DNA(spec.)—RPS6KA5 gene; seq.var. = ?

DNA(specification)—**RPS6KA6 gene;****sequence variation**

name of component: ribosomal protein S6 kinase,
90 kDa, polypeptide 6

[NPU39613](#)

DNA(spec.)—RPS6KA6 gene; seq.var. = ?

DNA(specification)—**RPS6KB1 gene;****sequence variation**

name of component: ribosomal protein S6 kinase,
70 kDa, polypeptide 1

[NPU39614](#)

DNA(spec.)—RPS6KB1 gene; seq.var. = ?

DNA(specification)—**RPS6KB2 gene;****sequence variation**

name of component: ribosomal protein S6 kinase,
70 kDa, polypeptide 2

[NPU39615](#)

DNA(spec.)—RPS6KB2 gene; seq.var. = ?

DNA(specification)—**RPS6KB3 gene;****sequence variation**

name of component: ribosomal protein S6 kinase,
70 kDa, polypeptide 3

[NPU39616](#)

DNA(spec.)—RPS6KB3 gene; seq.var. = ?

DNA(specification)—**RPS6KC1 gene;****sequence variation**

name of component: ribosomal protein S6 kinase,
52 kDa, polypeptide 1

[NPU39617](#)

DNA(spec.)—RPS6KC1 gene; seq.var. = ?

DNA(specification)—**RPS6KL1 gene;****sequence variation**

name of component: ribosomal protein S6 kinase-
like 1

[NPU47496](#)

DNA(spec.)—RPS6KL1 gene; seq.var. = ?

DNA(specification)—**RPS7 gene;****sequence variation**

name of component: ribosomal protein S7

[NPU39618](#)

DNA(spec.)—RPS7 gene; seq.var. = ?

DNA(specification)—**RPS8 gene;****sequence variation**

name of component: ribosomal protein S8

[NPU39619](#)

DNA(spec.)—RPS8 gene; seq.var. = ?

DNA(specification)—**RPS8P1 gene;****sequence variation**

name of component: ribosomal protein S8 pseu-
dogene 1

[NPU47213](#)

DNA(spec.)—RPS8P1 gene; seq.var. = ?

DNA(specification)—**RPS9 gene;****sequence variation**

name of component: ribosomal protein S9

[NPU39620](#)

DNA(spec.)—RPS9 gene; seq.var. = ?

DNA(specification)—**RPS9P1 gene;****sequence variation**

name of component: ribosomal protein S9 pseudogene 1

[NPU39621](#)

DNA(spec.)—RPS9P1 gene; seq.var. = ?

DNA(specification)—**RPS9P2 gene;****sequence variation**

name of component: ribosomal protein S9 pseudogene 2

[NPU47033](#)

DNA(spec.)—RPS9P2 gene; seq.var. = ?

DNA(specification)—**RQCD1 gene;****sequence variation**

name of component: RCD1 required for cell differentiation1 homolog (S. pombe)

[NPU39622](#)

DNA(spec.)—RQCD1 gene; seq.var. = ?

DNA(specification)—**RRAD gene;****sequence variation**

name of component: Ras-related associated with diabetes

[NPU39623](#)

DNA(spec.)—RRAD gene; seq.var. = ?

DNA(specification)—**RRAS gene;****sequence variation**

name of component: related RAS viral (r-ras) oncogene homolog

[NPU39624](#)

DNA(spec.)—RRAS gene; seq.var. = ?

DNA(specification)—**RRAS2 gene;****sequence variation**

name of component: related RAS viral (r-ras) oncogene homolog 2

[NPU44942](#)

DNA(spec.)—RRAS2 gene; seq.var. = ?

DNA(specification)—**RRBP1 gene;****sequence variation**

name of component: ribosome binding protein 1 homolog 180 kDa (dog)

[NPU39625](#)

DNA(spec.)—RRBP1 gene; seq.var. = ?

DNA(specification)—**RREB1 gene;****sequence variation**

name of component: ras responsive element binding protein 1

[NPU39626](#)

DNA(spec.)—RREB1 gene; seq.var. = ?

DNA(specification)—**RRH gene;****sequence variation**

name of component: retinal pigment epithelium-derived rhodopsin homolog

[NPU39627](#)

DNA(spec.)—RRH gene; seq.var. = ?

DNA(specification)—**RRM1 gene;****sequence variation**

name of component: ribonucleotide reductase M1 polypeptide

[NPU39628](#)

DNA(spec.)—RRM1 gene; seq.var. = ?

DNA(specification)—**RRM2 gene;****sequence variation**

name of component: ribonucleotide reductase M2 polypeptide

[NPU39629](#)

DNA(spec.)—RRM2 gene; seq.var. = ?

DNA(specification)—**RRM2B gene;****sequence variation**

name of component: ribonucleotide reductase M2 B (TP53 inducible)

[NPU44959](#)

DNA(spec.)—RRM2B gene; seq.var. = ?

DNA(specification)—**RRM2P1 gene;****sequence variation**

name of component: ribonucleotide reductase M2 polypeptide pseudogene 1

[NPU39630](#)

DNA(spec.)—RRM2P1 gene; seq.var. = ?

DNA(specification)—**RRM2P2 gene;****sequence variation**

name of component: ribonucleotide reductase M2 polypeptide pseudogene 2

[NPU39631](#)

DNA(spec.)—RRM2P2 gene; seq.var. = ?

DNA(specification)—**RRM2P3 gene;****sequence variation**

name of component: ribonucleotide reductase M2 polypeptide pseudogene 3

[NPU39632](#)

DNA(spec.)—RRM2P3 gene; seq.var. = ?

DNA(specification)—**RRM2P4 gene;****sequence variation**

name of component: ribonucleotide reductase M2 polypeptide pseudogene 4

[NPU39633](#)

DNA(spec.)—RRM2P4 gene; seq.var. = ?

DNA(specification)—**RRS1 gene;****sequence variation**

name of component: RRS1 ribosome biogenesis regulator homolog (*S. cerevisiae*)

[NPU44842](#)

DNA(spec.)—RRS1 gene; seq.var. = ?

DNA(specification)—**RS1 gene;****sequence variation**

name of component: retinosischis (X-linked, juvenile) 1

[NPU39634](#)

DNA(spec.)—RS1 gene; seq.var. = ?

DNA(specification)—**RSC1A1 gene;****sequence variation**

name of component: regulatory solute carrier protein, family 1, member 1

[NPU39635](#)

DNA(spec.)—RSC1A1 gene; seq.var. = ?

DNA(specification)—**RSHL1 gene;****sequence variation**

name of component: radial spokehead-like 1

[NPU42609](#)

DNA(spec.)—RSHL1 gene; seq.var. = ?

DNA(specification)—**RSHL2 gene;****sequence variation**

name of component: radial spokehead-like 2

[NPU47849](#)

DNA(spec.)—RSHL2 gene; seq.var. = ?

DNA(specification)—**RSMD1 gene;****sequence variation**

name of component: rigid spine muscular dystrophy 1

[NPU39636](#)

DNA(spec.)—RSMD1 gene; seq.var. = ?

DNA(specification)—**RSN gene;****sequence variation**

name of component: restin (Reed-Steinberg cell-expressed intermediate filament-associated protein)

[NPU39637](#)

DNA(spec.)—RSN gene; seq.var. = ?

DNA(specification)—**RSS gene;****sequence variation**

name of component: Russell Silver syndrome

[NPU39638](#)

DNA(spec.)—RSS gene; seq.var. = ?

DNA(specification)—**RSU1 gene;****sequence variation**

name of component: Ras suppressor protein 1

[NPU39639](#)

DNA(spec.)—RSU1 gene; seq.var. = ?

DNA(specification)—**RTCD1 gene;****sequence variation**

name of component: RTC domain containing 1

[NPU46206](#)

DNA(spec.)—RTCD1 gene; seq.var. = ?

DNA(specification)—**RTDR1 gene;****sequence variation**

name of component: rhabdoid tumor deletion region gene 1

[NPU42131](#)

DNA(spec.)—RTDR1 gene; seq.var. = ?

DNA(specification)—**RTKN gene;****sequence variation**

name of component: rhotekin

[NPU39640](#)

DNA(spec.)—RTKN gene; seq.var. = ?

DNA(specification)—**RTN1 gene;****sequence variation**

name of component: reticulon 1

[NPU39641](#)

DNA(spec.)—RTN1 gene; seq.var. = ?

DNA(specification)—
RTN2 gene;
sequence variation
name of component: reticulon 2
[NPU39642](#)
DNA(spec.)—RTN2 gene; seq.var. = ?

DNA(specification)—
RTN3 gene;
sequence variation
name of component: reticulon 3
[NPU39643](#)
DNA(spec.)—RTN3 gene; seq.var. = ?

DNA(specification)—
RTN4 gene;
sequence variation
name of component: reticulon 4
[NPU42501](#)
DNA(spec.)—RTN4 gene; seq.var. = ?

DNA(specification)—
RTN4IP1 gene;
sequence variation
name of component: reticulon 4 interacting protein 1
[NPU46595](#)
DNA(spec.)—RTN4IP1 gene; seq.var. = ?

DNA(specification)—
RTN4R gene;
sequence variation
name of component: reticulon 4 receptor
[NPU46569](#)
DNA(spec.)—RTN4R gene; seq.var. = ?

DNA(specification)—
RTTN gene;
sequence variation
name of component: rotatin
[NPU46598](#)
DNA(spec.)—RTTN gene; seq.var. = ?

DNA(specification)—
RUFY1 gene;
sequence variation
name of component: RUN and FYVE domain containing 1
[NPU47184](#)
DNA(spec.)—RUFY1 gene; seq.var. = ?

DNA(specification)—
RUFY2 gene;
sequence variation
name of component: RUN and FYVE domain containing 2
[NPU47185](#)
DNA(spec.)—RUFY2 gene; seq.var. = ?

DNA(specification)—
RUNX1 gene;
sequence variation
name of component: runt-related transcription factor 1 (acute myeloid leukemia 1; aml1 oncogene)
[NPU39644](#)
DNA(spec.)—RUNX1 gene; seq.var. = ?

DNA(specification)—
RUNX2 gene;
sequence variation
name of component: runt-related transcription factor 2
[NPU39645](#)
DNA(spec.)—RUNX2 gene; seq.var. = ?

DNA(specification)—
RUNX3 gene;
sequence variation
name of component: runt-related transcription factor 3
[NPU39646](#)
DNA(spec.)—RUNX3 gene; seq.var. = ?

DNA(specification)—
RUNXBP2 gene;
sequence variation
name of component: runt-related transcription factor binding protein 2
[NPU41863](#)
DNA(spec.)—RUNXBP2 gene; seq.var. = ?

DNA(specification)—
RUSC1 gene;
sequence variation
name of component: RUN and SH3 domain containing 1
[NPU44884](#)
DNA(spec.)—RUSC1 gene; seq.var. = ?

DNA(specification)—
RUVBL1 gene;
sequence variation
name of component: RuvB-like 1 (E. coli)
[NPU39647](#)
DNA(spec.)—RUVBL1 gene; seq.var. = ?

DNA(specification)—
RUVBL2 gene;
sequence variation
name of component: RuvB-like 2 (E. coli)
[NPU39648](#)
DNA(spec.)—RUVBL2 gene; seq.var. = ?

DNA(specification)—
RVNP2 gene;
sequence variation
name of component: retroviral sequences NP2
[NPU39649](#)
DNA(spec.)—RVNP2 gene; seq.var. = ?

DNA(specification)—
RWDD1 gene;
sequence variation
name of component: RWD domain containing 1
[NPU47822](#)
DNA(spec.)—RWDD1 gene; seq.var. = ?

DNA(specification)—
RXRA gene;
sequence variation
name of component: retinoid X receptor, alpha
[NPU39650](#)
DNA(spec.)—RXRA gene; seq.var. = ?

DNA(specification)—
RXRB gene;
sequence variation
name of component: retinoid X receptor, beta
[NPU39651](#)
DNA(spec.)—RXRB gene; seq.var. = ?

DNA(specification)—
RXRG gene;
sequence variation
name of component: retinoid X receptor, gamma
[NPU39652](#)
DNA(spec.)—RXRG gene; seq.var. = ?

DNA(specification)—
RYBP gene;
sequence variation
name of component: RING1 and YY1 binding protein
[NPU39653](#)
DNA(spec.)—RYBP gene; seq.var. = ?

DNA(specification)—
RYK gene;
sequence variation
name of component: RYK receptor-like tyrosine kinase
[NPU39654](#)
DNA(spec.)—RYK gene; seq.var. = ?

DNA(specification)—
RYKL1 gene;
sequence variation
name of component: RYK receptor-like tyrosine kinase-like 1
[NPU39655](#)
DNA(spec.)—RYKL1 gene; seq.var. = ?

DNA(specification)—
RYR1 gene;
sequence variation
name of component: ryanodine receptor 1 (skeletal)
[NPU39656](#)
DNA(spec.)—RYR1 gene; seq.var. = ?

DNA(specification)—
RYR2 gene;
sequence variation
name of component: ryanodine receptor 2 (cardiac)
[NPU39657](#)
DNA(spec.)—RYR2 gene; seq.var. = ?

DNA(specification)—
RYR3 gene;
sequence variation
name of component: ryanodine receptor 3
[NPU39658](#)
DNA(spec.)—RYR3 gene; seq.var. = ?

DNA(specification)—
S100A1 gene;
sequence variation
name of component: S100 calcium binding protein A1
[NPU39659](#)
DNA(spec.)—S100A1 gene; seq.var. = ?

DNA(specification)—
S100A10 gene;
sequence variation
name of component: S100 calcium binding protein A10 (annexin II ligand, calpactin I, light polypeptide (p11))
[NPU39660](#)
DNA(spec.)—S100A10 gene; seq.var. = ?

DNA(specification)—
S100A11 gene;
sequence variation
name of component: S100 calcium binding protein A11 (calgizzarin)
[NPU39661](#)
DNA(spec.)—S100A11 gene; seq.var. = ?

DNA(specification)—
S100A11P gene;
sequence variation
name of component: S100 calcium binding protein A11 pseudogene
[NPU39664](#)
DNA(spec.)—S100A11P gene; seq.var. = ?

DNA(specification)—
S100A12 gene;
sequence variation
name of component: S100 calcium binding protein A12 (calgranulin C)
[NPU39662](#)
DNA(spec.)—S100A12 gene; seq.var. = ?

DNA(specification)—
S100A13 gene;
sequence variation
name of component: S100 calcium binding protein A13
[NPU39663](#)
DNA(spec.)—S100A13 gene; seq.var. = ?

DNA(specification)—
S100A14 gene;
sequence variation
name of component: S100 calcium binding protein A14
[NPU46743](#)
DNA(spec.)—S100A14 gene; seq.var. = ?

DNA(specification)—
S100A2 gene;
sequence variation
name of component: S100 calcium binding protein A2
[NPU39665](#)
DNA(spec.)—S100A2 gene; seq.var. = ?

DNA(specification)—
S100A3 gene;
sequence variation
name of component: S100 calcium binding protein A3
[NPU39666](#)
DNA(spec.)—S100A3 gene; seq.var. = ?

DNA(specification)—
S100A4 gene;
sequence variation
name of component: S100 calcium binding protein A4 (calcium protein, calvasculin, metastasin, murine placental homolog)
[NPU39667](#)
DNA(spec.)—S100A4 gene; seq.var. = ?

DNA(specification)—
S100A5 gene;
sequence variation
name of component: S100 calcium binding protein A5
[NPU39668](#)
DNA(spec.)—S100A5 gene; seq.var. = ?

DNA(specification)—
S100A6 gene;
sequence variation
name of component: S100 calcium binding protein A6 (calcyclin)
[NPU39669](#)
DNA(spec.)—S100A6 gene; seq.var. = ?

DNA(specification)—
S100A7 gene;
sequence variation
name of component: S100 calcium binding protein A7 (psoriasin 1)
[NPU39670](#)
DNA(spec.)—S100A7 gene; seq.var. = ?

DNA(specification)—
S100A8 gene;
sequence variation
name of component: S100 calcium binding protein A8 (calgranulin A)
[NPU39671](#)
DNA(spec.)—S100A8 gene; seq.var. = ?

DNA(specification)—
S100A9 gene;
sequence variation
name of component: S100 calcium binding protein A9 (calgranulin B)
[NPU39672](#)
DNA(spec.)—S100A9 gene; seq.var. = ?

DNA(specification)—
S100B gene;
sequence variation
name of component: S100 calcium binding protein, beta (neural)
[NPU39673](#)
DNA(spec.)—S100B gene; seq.var. = ?

DNA(specification)—
S100P gene;
sequence variation
name of component: S100 calcium binding protein P
[NPU39674](#)
DNA(spec.)—S100P gene; seq.var. = ?

DNA(specification)—
S11 gene;
sequence variation
name of component: surface antigen (X-linked) 2
[NPU39675](#)
DNA(spec.)—S11 gene; seq.var. = ?

DNA(specification)—
S12 gene;
sequence variation
name of component: surface antigen (X-linked) 3
[NPU39676](#)
DNA(spec.)—S12 gene; seq.var. = ?

DNA(specification)—**S13 gene;****sequence variation**

name of component: surface antigen (chromosome 22)

[NPU39677](#)

DNA(spec.)—S13 gene; seq.var. = ?

DNA(specification)—**S14 gene;****sequence variation**

name of component: surface antigen (chromosome 21)

[NPU39678](#)

DNA(spec.)—S14 gene; seq.var. = ?

DNA(specification)—**S7 gene;****sequence variation**

name of component: surface antigen (chromosome 7) 2

[NPU39679](#)

DNA(spec.)—S7 gene; seq.var. = ?

DNA(specification)—**S8 gene;****sequence variation**

name of component: surface antigen (chromosome 12) 1

[NPU39680](#)

DNA(spec.)—S8 gene; seq.var. = ?

DNA(specification)—**S9 gene;****sequence variation**

name of component: surface antigen (chromosome 17) 1

[NPU39681](#)

DNA(spec.)—S9 gene; seq.var. = ?

DNA(specification)—**SACM1L gene;****sequence variation**

name of component: SAC1 suppressor of actin mutations 1-like (yeast)

[NPU44831](#)

DNA(spec.)—SACM1L gene; seq.var. = ?

DNA(specification)—**SACM2L gene;****sequence variation**

name of component: SAC2 suppressor of actin mutations 2-like (yeast)

[NPU39687](#)

DNA(spec.)—SACM2L gene; seq.var. = ?

DNA(specification)—**SACS gene;****sequence variation**

name of component: spastic ataxia of Charlevoix-Saguenay (sacsin)

[NPU39688](#)

DNA(spec.)—SACS gene; seq.var. = ?

DNA(specification)—**SAFB gene;****sequence variation**

name of component: scaffold attachment factor B

[NPU39689](#)

DNA(spec.)—SAFB gene; seq.var. = ?

DNA(specification)—**SAG gene;****sequence variation**

name of component: S-antigen; retina and pineal gland (arrestin)

[NPU39690](#)

DNA(spec.)—SAG gene; seq.var. = ?

DNA(specification)—**SAH gene;****sequence variation**

name of component: SA hypertension-associated homolog (rat)

[NPU39691](#)

DNA(spec.)—SAH gene; seq.var. = ?

DNA(specification)—**SAI1 gene;****sequence variation**

name of component: suppression of anchorage independence 1

[NPU39692](#)

DNA(spec.)—SAI1 gene; seq.var. = ?

DNA(specification)—**SALL1 gene;****sequence variation**

name of component: sal-like 1 (Drosophila)

[NPU39693](#)

DNA(spec.)—SALL1 gene; seq.var. = ?

DNA(specification)—**SALL1P gene;****sequence variation**

name of component: sal-like 1 (Drosophila) pseudogene

[NPU39694](#)

DNA(spec.)—SALL1P gene; seq.var. = ?

DNA(specification)—**SALL2 gene;****sequence variation**

name of component: sal-like 2 (Drosophila)

[NPU39695](#)

DNA(spec.)—SALL2 gene; seq.var. = ?

DNA(specification)—**SALL3 gene;****sequence variation**name of component: sal-like 3 (*Drosophila*)[NPU39696](#)

DNA(spec.)—SALL3 gene; seq.var. = ?

DNA(specification)—**SALL4 gene;****sequence variation**name of component: sal-like 4 (*Drosophila*)[NPU44006](#)

DNA(spec.)—SALL4 gene; seq.var. = ?

DNA(specification)—**SAMD1 gene;****sequence variation**

name of component: sterile alpha motif domain containing 1

[NPU46194](#)

DNA(spec.)—SAMD1 gene; seq.var. = ?

DNA(specification)—**SAMHD1 gene;****sequence variation**

name of component: SAM domain and HD domain 1

[NPU44007](#)

DNA(spec.)—SAMHD1 gene; seq.var. = ?

DNA(specification)—**SAMSN1 gene;****sequence variation**

name of component: SAM domain, SH3 domain and nuclear localisation signals, 1

[NPU39697](#)

DNA(spec.)—SAMSN1 gene; seq.var. = ?

DNA(specification)—**SAP18 gene;****sequence variation**

name of component: sin3-associated polypeptide, 18 kDa

[NPU39698](#)

DNA(spec.)—SAP18 gene; seq.var. = ?

DNA(specification)—**SAP30 gene;****sequence variation**

name of component: sin3-associated polypeptide, 30 kDa

[NPU39699](#)

DNA(spec.)—SAP30 gene; seq.var. = ?

DNA(specification)—**SARA1 gene;****sequence variation**name of component: SAR1a gene homolog 1 (*S. cerevisiae*)[NPU39700](#)

DNA(spec.)—SARA1 gene; seq.var. = ?

DNA(specification)—**SARA2 gene;****sequence variation**name of component: SAR1a gene homolog 2 (*S. cerevisiae*)[NPU39701](#)

DNA(spec.)—SARA2 gene; seq.var. = ?

DNA(specification)—**SARDH gene;****sequence variation**

name of component: sarcosine dehydrogenase

[NPU39702](#)

DNA(spec.)—SARDH gene; seq.var. = ?

DNA(specification)—**SARM1 gene;****sequence variation**

name of component: sterile alpha and TIR motif containing 1

[NPU44837](#)

DNA(spec.)—SARM1 gene; seq.var. = ?

DNA(specification)—**SARS gene;****sequence variation**

name of component: seryl-tRNA synthetase

[NPU39703](#)

DNA(spec.)—SARS gene; seq.var. = ?

DNA(specification)—**SARS2 gene;****sequence variation**

name of component: seryl-tRNA synthetase 2

[NPU46075](#)

DNA(spec.)—SARS2 gene; seq.var. = ?

DNA(specification)—**SARSM gene;****sequence variation**

name of component: serine-tRNA ligase, mitochondrial

[NPU42254](#)

DNA(spec.)—SARSM gene; seq.var. = ?

DNA(specification)—**SART1 gene;****sequence variation**

name of component: squamous cell carcinoma antigen recognised by T cells

[NPU39704](#)

DNA(spec.)—SART1 gene; seq.var. = ?

DNA(specification)—**SART2 gene;****sequence variation**

name of component: squamous cell carcinoma antigen recognized by T cells 2

[NPU47878](#)

DNA(spec.)—SART2 gene; seq.var. = ?

DNA(specification)—**SART3 gene;****sequence variation**

name of component: squamous cell carcinoma antigen recognised by T cells 3

[NPU44746](#)

DNA(spec.)—SART3 gene; seq.var. = ?

DNA(specification)—**SAS gene;****sequence variation**

name of component: sarcoma amplified sequence

[NPU39705](#)

DNA(spec.)—SAS gene; seq.var. = ?

DNA(specification)—**SAT gene;****sequence variation**

name of component: spermidine/spermine N1-acetyltransferase

[NPU39706](#)

DNA(spec.)—SAT gene; seq.var. = ?

DNA(specification)—**SATB1 gene;****sequence variation**

name of component: special AT-rich sequence binding protein 1 (binds to nuclear matrix/scaffold-associating DNA's)

[NPU39707](#)

DNA(spec.)—SATB1 gene; seq.var. = ?

DNA(specification)—**SAV1 gene;****sequence variation**

name of component: salvador homolog 1 (*Drosophila*)

[NPU46101](#)

DNA(spec.)—SAV1 gene; seq.var. = ?

DNA(specification)—**SAX1 gene;****sequence variation**

name of component: spastic ataxia 1 (dominant)

[NPU44467](#)

DNA(spec.)—SAX1 gene; seq.var. = ?

DNA(specification)—**SBF1 gene;****sequence variation**

name of component: SET binding factor 1

[NPU39708](#)

DNA(spec.)—SBF1 gene; seq.var. = ?

DNA(specification)—**SC gene;****sequence variation**

name of component: Scianna blood group

[NPU39709](#)

DNA(spec.)—SC gene; seq.var. = ?

DNA(specification)—**SC4MOL gene;****sequence variation**

name of component: sterol-C4-methyl oxidase-like

[NPU39710](#)

DNA(spec.)—SC4MOL gene; seq.var. = ?

DNA(specification)—**SC4MOP gene;****sequence variation**

name of component: sterol-C4-methyl oxidase pseudogene

[NPU39711](#)

DNA(spec.)—SC4MOP gene; seq.var. = ?

DNA(specification)—**SC5DL gene;****sequence variation**

name of component: sterol-C5-desaturase (ERG3 delta-5-desaturase homolog, fungal)-like

[NPU39712](#)

DNA(spec.)—SC5DL gene; seq.var. = ?

DNA(specification)—**SCA1 gene;****sequence variation**

name of component: spinocerebellar ataxia 1 (olivopontocerebellar ataxia 1, autosomal dominant, ataxin 1)

[NPU39713](#)

DNA(spec.)—SCA1 gene; seq.var. = ?

DNA(specification)—**SCA10 gene;****sequence variation**

name of component: spinocerebellar ataxia 10

[NPU39714](#)

DNA(spec.)—SCA10 gene; seq.var. = ?

DNA(specification)—**SCA11 gene;****sequence variation**

name of component: spinocerebellar ataxia 11

[NPU39715](#)

DNA(spec.)—SCA11 gene; seq.var. = ?

DNA(specification)—
SCA12 gene;
sequence variation
name of component: spinocerebellar ataxia 12
[NPU39716](#)
DNA(spec.)—SCA12 gene; seq.var. = ?

DNA(specification)—
SCA13 gene;
sequence variation
name of component: spinocerebellar ataxia 13
[NPU39717](#)
DNA(spec.)—SCA13 gene; seq.var. = ?

DNA(specification)—
SCA14 gene;
sequence variation
name of component: spinocerebellar ataxia 14
[NPU39718](#)
DNA(spec.)—SCA14 gene; seq.var. = ?

DNA(specification)—
SCA15 gene;
sequence variation
name of component: spinocerebellar ataxia 15
[NPU42132](#)
DNA(spec.)—SCA15 gene; seq.var. = ?

DNA(specification)—
SCA16 gene;
sequence variation
name of component: spinocerebellar ataxia 16
[NPU39719](#)
DNA(spec.)—SCA16 gene; seq.var. = ?

DNA(specification)—
SCA18 gene;
sequence variation
name of component: spinocerebellar ataxia 18
(sensory with neurogenic muscular atrophy)
[NPU43866](#)
DNA(spec.)—SCA18 gene; seq.var. = ?

DNA(specification)—
SCA19 gene;
sequence variation
name of component: spinocerebellar ataxia 19
[NPU44822](#)
DNA(spec.)—SCA19 gene; seq.var. = ?

DNA(specification)—
SCA2 gene;
sequence variation
name of component: spinocerebellar ataxia 2 (olivo-pontocerebellar ataxia 2, autosomal dominant, ataxin 2)
[NPU39720](#)
DNA(spec.)—SCA2 gene; seq.var. = ?

DNA(specification)—
SCA21 gene;
sequence variation
name of component: spinocerebellar ataxia 21
[NPU44895](#)
DNA(spec.)—SCA21 gene; seq.var. = ?

DNA(specification)—
SCA22 gene;
sequence variation
name of component: spinocerebellar ataxia 22
[NPU44975](#)
DNA(spec.)—SCA22 gene; seq.var. = ?

DNA(specification)—
SCA23 gene;
sequence variation
name of component: spinocerebellar ataxia 23
[NPU46834](#)
DNA(spec.)—SCA23 gene; seq.var. = ?

DNA(specification)—
SCA25 gene;
sequence variation
name of component: spinocerebellar ataxia 25
[NPU47715](#)
DNA(spec.)—SCA25 gene; seq.var. = ?

DNA(specification)—
SCA4 gene;
sequence variation
name of component: spinocerebellar ataxia 4
[NPU39721](#)
DNA(spec.)—SCA4 gene; seq.var. = ?

DNA(specification)—
SCA5 gene;
sequence variation
name of component: spinocerebellar ataxia 5
[NPU39722](#)
DNA(spec.)—SCA5 gene; seq.var. = ?

DNA(specification)—
SCA7 gene;
sequence variation
name of component: spinocerebellar ataxia 7 (olivo-pontocerebellar atrophy with retinal degeneration)
[NPU19183](#)
DNA(spec.)—SCA7 gene; seq.var. = ?

DNA(specification)—
SCA8 gene;
sequence variation
name of component: spinocerebellar ataxia 8
[NPU39723](#)
DNA(spec.)—SCA8 gene; seq.var. = ?

DNA(specification)—**SCA9 gene;****sequence variation**

name of component: spinocerebellar ataxia 9

[NPU42133](#)

DNA(spec.)—SCA9 gene; seq.var. = ?

DNA(specification)—**SCAMP1 gene;****sequence variation**

name of component: secretory carrier membrane protein 1

[NPU39724](#)

DNA(spec.)—SCAMP1 gene; seq.var. = ?

DNA(specification)—**SCAMP2 gene;****sequence variation**

name of component: secretory carrier membrane protein 2

[NPU39725](#)

DNA(spec.)—SCAMP2 gene; seq.var. = ?

DNA(specification)—**SCAMP3 gene;****sequence variation**

name of component: secretory carrier membrane protein 3

[NPU39726](#)

DNA(spec.)—SCAMP3 gene; seq.var. = ?

DNA(specification)—**SCAND1 gene;****sequence variation**

name of component: SCAN domain containing 1

[NPU39727](#)

DNA(spec.)—SCAND1 gene; seq.var. = ?

DNA(specification)—**SCAND2 gene;****sequence variation**

name of component: SCAN domain containing 2

[NPU39728](#)

DNA(spec.)—SCAND2 gene; seq.var. = ?

DNA(specification)—**SCAP1 gene;****sequence variation**

name of component: src family associated phosphoprotein 1

[NPU43776](#)

DNA(spec.)—SCAP1 gene; seq.var. = ?

DNA(specification)—**SCAP2 gene;****sequence variation**

name of component: src family associated phosphoprotein 2

[NPU43825](#)

DNA(spec.)—SCAP2 gene; seq.var. = ?

DNA(specification)—**SCARA3 gene;****sequence variation**

name of component: scavenger receptor class A, member 3

[NPU46809](#)

DNA(spec.)—SCARA3 gene; seq.var. = ?

DNA(specification)—**SCARB1 gene;****sequence variation**

name of component: scavenger receptor class B, member 1

[NPU31331](#)

DNA(spec.)—SCARB1 gene; seq.var. = ?

DNA(specification)—**SCARB2 gene;****sequence variation**

name of component: scavenger receptor class B, member 2

[NPU31332](#)

DNA(spec.)—SCARB2 gene; seq.var. = ?

DNA(specification)—**SCARF1 gene;****sequence variation**

name of component: scavenger receptor class F, member 1

[NPU44719](#)

DNA(spec.)—SCARF1 gene; seq.var. = ?

DNA(specification)—**SCARF2 gene;****sequence variation**

name of component: scavenger receptor class F, member 2

[NPU47288](#)

DNA(spec.)—SCARF2 gene; seq.var. = ?

DNA(specification)—**SCASI gene;****sequence variation**

name of component: spinocerebellar ataxia with saccadic intrusions

[NPU46912](#)

DNA(spec.)—SCASI gene; seq.var. = ?

DNA(specification)—**SCCD gene;****sequence variation**

name of component: Schnyder crystalline corneal dystrophy

[NPU42746](#)

DNA(spec.)—SCCD gene; seq.var. = ?

DNA(specification)—**SCD gene;****sequence variation**

name of component: stearyl-CoA desaturase (delta-9-desaturase)

[NPU39731](#)

DNA(spec.)—SCD gene; seq.var. = ?

DNA(specification)—**SCD4 gene;****sequence variation**

name of component: stearyl-CoA desaturase 4

[NPU47860](#)

DNA(spec.)—SCD4 gene; seq.var. = ?

DNA(specification)—**SCDP gene;****sequence variation**

name of component: stearyl-CoA desaturase (delta-9-desaturase) pseudogene

[NPU39732](#)

DNA(spec.)—SCDP gene; seq.var. = ?

DNA(specification)—**SCEL gene;****sequence variation**

name of component: sciellin

[NPU39733](#)

DNA(spec.)—SCEL gene; seq.var. = ?

DNA(specification)—**SCG2 gene;****sequence variation**

name of component: secretogranin II (chromogranin C)

[NPU39734](#)

DNA(spec.)—SCG2 gene; seq.var. = ?

DNA(specification)—**SCG3 gene;****sequence variation**

name of component: secretogranin III

[NPU42279](#)

DNA(spec.)—SCG3 gene; seq.var. = ?

DNA(specification)—**SCGB1A1 gene;****sequence variation**

name of component: secretoglobin, family 1A, member 1 (uteroglobin)

[NPU41434](#)

DNA(spec.)—SCGB1A1 gene; seq.var. = ?

DNA(specification)—**SCGB1D1 gene;****sequence variation**

name of component: secretoglobin, family 1D, member 1

[NPU46445](#)

DNA(spec.)—SCGB1D1 gene; seq.var. = ?

DNA(specification)—**SCGB1D2 gene;****sequence variation**

name of component: secretoglobin, family 1D, member 2

[NPU46446](#)

DNA(spec.)—SCGB1D2 gene; seq.var. = ?

DNA(specification)—**SCGB2A1 gene;****sequence variation**

name of component: secretoglobin, family 2A, member 1

[NPU36788](#)

DNA(spec.)—SCGB2A1 gene; seq.var. = ?

DNA(specification)—**SCGB2A2 gene;****sequence variation**

name of component: secretoglobin, family 2A, member 2

[NPU36787](#)

DNA(spec.)—SCGB2A2 gene; seq.var. = ?

DNA(specification)—**SCGB3A1 gene;****sequence variation**

name of component: secretoglobin, family 3A, member 1

[NPU46439](#)

DNA(spec.)—SCGB3A1 gene; seq.var. = ?

DNA(specification)—**SCGB3A2 gene;****sequence variation**

name of component: secretoglobin, family 3A, member 2

[NPU46444](#)

DNA(spec.)—SCGB3A2 gene; seq.var. = ?

DNA(specification)—**SCGF gene;****sequence variation**

name of component: stem cell growth factor; lymphocyte secreted C-type lectin

[NPU39735](#)

DNA(spec.)—SCGF gene; seq.var. = ?

DNA(specification)—**SCGN gene;****sequence variation**

name of component: secretagogen, EF-hand calcium binding protein

[NPU44785](#)

DNA(spec.)—SCGN gene; seq.var. = ?

DNA(specification)—**SCHIP1 gene;****sequence variation**

name of component: schwannomin interacting protein 1

[NPU43818](#)

DNA(spec.)—SCHIP1 gene; seq.var. = ?

DNA(specification)—**SCKL2 gene;****sequence variation**

name of component: Seckel syndrome 2

[NPU47762](#)

DNA(spec.)—SCKL2 gene; seq.var. = ?

DNA(specification)—**SCMH1 gene;****sequence variation**

name of component: sex comb on midleg homolog 1 (Drosophila)

[NPU46810](#)

DNA(spec.)—SCMH1 gene; seq.var. = ?

DNA(specification)—**SCML1 gene;****sequence variation**

name of component: sex comb on midleg-like 1 (Drosophila)

[NPU39737](#)

DNA(spec.)—SCML1 gene; seq.var. = ?

DNA(specification)—**SCML2 gene;****sequence variation**

name of component: sex comb on midleg-like 2 (Drosophila)

[NPU39738](#)

DNA(spec.)—SCML2 gene; seq.var. = ?

DNA(specification)—**SCN10A gene;****sequence variation**

name of component: sodium channel, voltage-gated, type X, alpha

[NPU39739](#)

DNA(spec.)—SCN10A gene; seq.var. = ?

DNA(specification)—**SCN11A gene;****sequence variation**

name of component: sodium channel, voltage-gated, type XI, alpha

[NPU39740](#)

DNA(spec.)—SCN11A gene; seq.var. = ?

DNA(specification)—**SCN12A gene;****sequence variation**

name of component: sodium channel, voltage-gated, type XII, alpha

[NPU39741](#)

DNA(spec.)—SCN12A gene; seq.var. = ?

DNA(specification)—**SCN1A gene;****sequence variation**

name of component: sodium channel, voltage-gated, type I, alpha

[NPU39742](#)

DNA(spec.)—SCN1A gene; seq.var. = ?

DNA(specification)—**SCN1B gene;****sequence variation**

name of component: sodium channel, voltage-gated, type I, beta

[NPU39743](#)

DNA(spec.)—SCN1B gene; seq.var. = ?

DNA(specification)—**SCN2A1 gene;****sequence variation**

name of component: sodium channel, voltage-gated, type II, alpha 1

[NPU39744](#)

DNA(spec.)—SCN2A1 gene; seq.var. = ?

DNA(specification)—**SCN2A2 gene;****sequence variation**

name of component: sodium channel, voltage-gated, type II, alpha 2

[NPU39745](#)

DNA(spec.)—SCN2A2 gene; seq.var. = ?

DNA(specification)—**SCN2B gene;****sequence variation**

name of component: sodium channel, voltage-gated, type II, beta

[NPU39746](#)

DNA(spec.)—SCN2B gene; seq.var. = ?

DNA(specification)—**SCN3A gene;****sequence variation**

name of component: sodium channel, voltage-gated, type III, alpha

[NPU39747](#)

DNA(spec.)—SCN3A gene; seq.var. = ?

DNA(specification)—**SCN3B gene;****sequence variation**

name of component: sodium channel, voltage-gated, type III, beta

[NPU47709](#)

DNA(spec.)—SCN3B gene; seq.var. = ?

DNA(specification)—**SCN4A gene;****sequence variation**

name of component: sodium channel, voltage-gated, type IV, alpha

[NPU39748](#)

DNA(spec.)—SCN4A gene; seq.var. = ?

DNA(specification)—**SCN4B gene;****sequence variation**

name of component: sodium channel, voltage-gated, type IV, beta

[NPU39749](#)

DNA(spec.)—SCN4B gene; seq.var. = ?

DNA(specification)—**SCN5A gene;****sequence variation**

name of component: sodium channel, voltage-gated, type V, alpha (long QT syndrome 3)

[NPU39750](#)

DNA(spec.)—SCN5A gene; seq.var. = ?

DNA(specification)—**SCN7A gene;****sequence variation**

name of component: sodium channel, voltage-gated, type VII, alpha

[NPU39751](#)

DNA(spec.)—SCN7A gene; seq.var. = ?

DNA(specification)—**SCN8A gene;****sequence variation**

name of component: sodium channel, voltage-gated, type VIII, alpha

[NPU39752](#)

DNA(spec.)—SCN8A gene; seq.var. = ?

DNA(specification)—**SCN9A gene;****sequence variation**

name of component: sodium channel, voltage-gated, type IX, alpha

[NPU39753](#)

DNA(spec.)—SCN9A gene; seq.var. = ?

DNA(specification)—**SCNN1A gene;****sequence variation**

name of component: sodium channel, nonvoltage-gated 1 alpha

[NPU39754](#)

DNA(spec.)—SCNN1A gene; seq.var. = ?

DNA(specification)—**SCNN1B gene;****sequence variation**

name of component: sodium channel, nonvoltage-gated 1, beta (Liddle syndrome)

[NPU39755](#)

DNA(spec.)—SCNN1B gene; seq.var. = ?

DNA(specification)—**SCNN1D gene;****sequence variation**

name of component: sodium channel, nonvoltage-gated 1, delta

[NPU39756](#)

DNA(spec.)—SCNN1D gene; seq.var. = ?

DNA(specification)—**SCNN1G gene;****sequence variation**

name of component: sodium channel, nonvoltage-gated 1, gamma

[NPU39757](#)

DNA(spec.)—SCNN1G gene; seq.var. = ?

DNA(specification)—**SCO1 gene;****sequence variation**

name of component: SCO cytochrome oxidase deficient homolog 1 (yeast)

[NPU39758](#)

DNA(spec.)—SCO1 gene; seq.var. = ?

DNA(specification)—**SCO2 gene;****sequence variation**

name of component: SCO cytochrome oxidase deficient homolog 2 (yeast)

[NPU39759](#)

DNA(spec.)—SCO2 gene; seq.var. = ?

DNA(specification)—**SCOC gene;****sequence variation**

name of component: short coiled-coil protein

[NPU47564](#)

DNA(spec.)—SCOC gene; seq.var. = ?

DNA(specification)—**SCOCP1 gene;****sequence variation**

name of component: short coiled-coil protein pseudogene 1

[NPU47567](#)

DNA(spec.)—SCOCP1 gene; seq.var. = ?

DNA(specification)—**SCP2 gene;****sequence variation**

name of component: sterol carrier protein 2

[NPU39760](#)

DNA(spec.)—SCP2 gene; seq.var. = ?

DNA(specification)—**SCRT1 gene;****sequence variation**

name of component: scratch homolog 1, zinc finger protein (*Drosophila*)

[NPU44028](#)

DNA(spec.)—SCRT1 gene; seq.var. = ?

DNA(specification)—**SCRT2 gene;****sequence variation**

name of component: scratch homolog 2, zinc finger protein (*Drosophila*)

[NPU44030](#)

DNA(spec.)—SCRT2 gene; seq.var. = ?

DNA(specification)—**SCT gene;****sequence variation**

name of component: secretin

[NPU39761](#)

DNA(spec.)—SCT gene; seq.var. = ?

DNA(specification)—**SCTR gene;****sequence variation**

name of component: secretin receptor

[NPU39762](#)

DNA(spec.)—SCTR gene; seq.var. = ?

DNA(specification)—**SCUBE1 gene;****sequence variation**

name of component: signal peptide, CUB domain, EGF-like 1

[NPU42134](#)

DNA(spec.)—SCUBE1 gene; seq.var. = ?

DNA(specification)—**SCYA3L2 gene;****sequence variation**

name of component: small inducible cytokine A3-like 2

[NPU39783](#)

DNA(spec.)—SCYA3L2 gene; seq.var. = ?

DNA(specification)—**SCYA4L gene;****sequence variation**

name of component: small inducible cytokine A4-like

[NPU39785](#)

DNA(spec.)—SCYA4L gene; seq.var. = ?

DNA(specification)—**SCYE1 gene;****sequence variation**

name of component: small inducible cytokine subfamily E, member 1 (endothelial monocyte-activating)

[NPU39799](#)

DNA(spec.)—SCYE1 gene; seq.var. = ?

DNA(specification)—**SCYE1P gene;****sequence variation**

name of component: small inducible cytokine subfamily E, member 1 (endothelial monocyte-activating) pseudogene

[NPU44524](#)

DNA(spec.)—SCYE1P gene; seq.var. = ?

DNA(specification)—**SCYL1 gene;****sequence variation**

name of component: SCY1-like 1 (*S. cerevisiae*)

[NPU42703](#)

DNA(spec.)—SCYL1 gene; seq.var. = ?

DNA(specification)—**SCZD1 gene;****sequence variation**

name of component: schizophrenia disorder 1

[NPU39800](#)

DNA(spec.)—SCZD1 gene; seq.var. = ?

DNA(specification)—**SCZD10 gene;****sequence variation**

name of component: schizophrenia disorder 10 (periodic catatonia)

[NPU44988](#)

DNA(spec.)—SCZD10 gene; seq.var. = ?

DNA(specification)—**SCZD2 gene;****sequence variation**

name of component: schizophrenia disorder 2

[NPU39801](#)

DNA(spec.)—SCZD2 gene; seq.var. = ?

DNA(specification)—
SCZD3 gene;
sequence variation
name of component: schizophrenia disorder 3
[NPU39802](#)
DNA(spec.)—SCZD3 gene; seq.var. = ?

DNA(specification)—
SCZD4 gene;
sequence variation
name of component: schizophrenia disorder 4
[NPU39803](#)
DNA(spec.)—SCZD4 gene; seq.var. = ?

DNA(specification)—
SCZD5 gene;
sequence variation
name of component: schizophrenia disorder 5
[NPU39804](#)
DNA(spec.)—SCZD5 gene; seq.var. = ?

DNA(specification)—
SCZD6 gene;
sequence variation
name of component: schizophrenia disorder 6
[NPU39805](#)
DNA(spec.)—SCZD6 gene; seq.var. = ?

DNA(specification)—
SCZD7 gene;
sequence variation
name of component: schizophrenia disorder 7
[NPU39806](#)
DNA(spec.)—SCZD7 gene; seq.var. = ?

DNA(specification)—
SCZD8 gene;
sequence variation
name of component: schizophrenia disorder 8
[NPU39807](#)
DNA(spec.)—SCZD8 gene; seq.var. = ?

DNA(specification)—
SCZD9 gene;
sequence variation
name of component: schizophrenia disorder 9
[NPU44987](#)
DNA(spec.)—SCZD9 gene; seq.var. = ?

DNA(specification)—
SD gene;
sequence variation
name of component: segregation distortion (Drosophila)
[NPU39808](#)
DNA(spec.)—SD gene; seq.var. = ?

DNA(specification)—
SDBCAG84 gene;
sequence variation
name of component: serologically defined breast cancer antigen 84
[NPU44009](#)
DNA(spec.)—SDBCAG84 gene; seq.var. = ?

DNA(specification)—
SDC1 gene;
sequence variation
name of component: syndecan 1
[NPU39809](#)
DNA(spec.)—SDC1 gene; seq.var. = ?

DNA(specification)—
SDC2 gene;
sequence variation
name of component: syndecan 2 (heparan sulfate proteoglycan 1, cell surface-associated, fibroglycan)
[NPU39810](#)
DNA(spec.)—SDC2 gene; seq.var. = ?

DNA(specification)—
SDC3 gene;
sequence variation
name of component: syndecan 3 (N-syndecan)
[NPU39811](#)
DNA(spec.)—SDC3 gene; seq.var. = ?

DNA(specification)—
SDC4 gene;
sequence variation
name of component: syndecan 4 (amphiglycan, ryudocan)
[NPU39812](#)
DNA(spec.)—SDC4 gene; seq.var. = ?

DNA(specification)—
SDC4P gene;
sequence variation
name of component: syndecan 4 pseudogene
[NPU46745](#)
DNA(spec.)—SDC4P gene; seq.var. = ?

DNA(specification)—
SDCBP gene;
sequence variation
name of component: syndecan binding protein (syntenin)
[NPU39813](#)
DNA(spec.)—SDCBP gene; seq.var. = ?

DNA(specification)—**SDCBP2 gene;****sequence variation**

name of component: syndecan binding protein (syntenin) 2

[NPU43874](#)

DNA(spec.)—SDCBP2 gene; seq.var. = ?

DNA(specification)—**SDCCAG1 gene;****sequence variation**

name of component: serologically defined colon cancer antigen 1

[NPU39814](#)

DNA(spec.)—SDCCAG1 gene; seq.var. = ?

DNA(specification)—**SDCCAG10 gene;****sequence variation**

name of component: serologically defined colon cancer antigen 10

[NPU39815](#)

DNA(spec.)—SDCCAG10 gene; seq.var. = ?

DNA(specification)—**SDCCAG16 gene;****sequence variation**

name of component: serologically defined colon cancer antigen 16

[NPU39816](#)

DNA(spec.)—SDCCAG16 gene; seq.var. = ?

DNA(specification)—**SDCCAG3 gene;****sequence variation**

name of component: serologically defined colon cancer antigen 3

[NPU39818](#)

DNA(spec.)—SDCCAG3 gene; seq.var. = ?

DNA(specification)—**SDCCAG33 gene;****sequence variation**

name of component: serologically defined colon cancer antigen 33

[NPU39820](#)

DNA(spec.)—SDCCAG33 gene; seq.var. = ?

DNA(specification)—**SDCCAG43 gene;****sequence variation**

name of component: serologically defined colon cancer antigen 43

[NPU39821](#)

DNA(spec.)—SDCCAG43 gene; seq.var. = ?

DNA(specification)—**SDCCAG8 gene;****sequence variation**

name of component: serologically defined colon cancer antigen 8

[NPU39822](#)

DNA(spec.)—SDCCAG8 gene; seq.var. = ?

DNA(specification)—**SDF2 gene;****sequence variation**

name of component: stromal cell-derived factor 2

[NPU39824](#)

DNA(spec.)—SDF2 gene; seq.var. = ?

DNA(specification)—**SDF2L1 gene;****sequence variation**

name of component: stromal cell-derived factor 2-like 1

[NPU39825](#)

DNA(spec.)—SDF2L1 gene; seq.var. = ?

DNA(specification)—**SDFR1 gene;****sequence variation**

name of component: stromal cell derived factor receptor 1

[NPU46153](#)

DNA(spec.)—SDFR1 gene; seq.var. = ?

DNA(specification)—**SDHA gene;****sequence variation**

name of component: succinate dehydrogenase complex, subunit A, flavoprotein (Fp)

[NPU39826](#)

DNA(spec.)—SDHA gene; seq.var. = ?

DNA(specification)—**SDHB gene;****sequence variation**

name of component: succinate dehydrogenase complex, subunit B, iron sulfur (Ip)

[NPU39827](#)

DNA(spec.)—SDHB gene; seq.var. = ?

DNA(specification)—**SDHC gene;****sequence variation**

name of component: succinate dehydrogenase complex, subunit C, integral membrane protein, 15 kDa

[NPU39828](#)

DNA(spec.)—SDHC gene; seq.var. = ?

DNA(specification)—**SDHD gene;****sequence variation**

name of component: succinate dehydrogenase complex, subunit D, integral membrane protein

[NPU39829](#)

DNA(spec.)—SDHD gene; seq.var. = ?

DNA(specification)—**SDHDP1 gene;****sequence variation**

name of component: succinate dehydrogenase complex, subunit D, integral membrane protein pseudogene 1

[NPU39830](#)

DNA(spec.)—SDHDP1 gene; seq.var. = ?

DNA(specification)—**SDHDP2 gene;****sequence variation**

name of component: succinate dehydrogenase complex, subunit D, integral membrane protein pseudogene 2

[NPU39831](#)

DNA(spec.)—SDHDP2 gene; seq.var. = ?

DNA(specification)—**SDHDP3 gene;****sequence variation**

name of component: succinate dehydrogenase complex, subunit D, integral membrane protein pseudogene 3

[NPU39832](#)

DNA(spec.)—SDHDP3 gene; seq.var. = ?

DNA(specification)—**SDHDP4 gene;****sequence variation**

name of component: succinate dehydrogenase complex, subunit D, integral membrane protein pseudogene 4

[NPU39833](#)

DNA(spec.)—SDHDP4 gene; seq.var. = ?

DNA(specification)—**SDHDP5 gene;****sequence variation**

name of component: succinate dehydrogenase complex, subunit D, integral membrane protein pseudogene 5

[NPU39834](#)

DNA(spec.)—SDHDP5 gene; seq.var. = ?

DNA(specification)—**SDHDP6 gene;****sequence variation**

name of component: succinate dehydrogenase complex, subunit D, integral membrane protein pseudogene 6

[NPU39835](#)

DNA(spec.)—SDHDP6 gene; seq.var. = ?

DNA(specification)—**SDK1 gene;****sequence variation**

name of component: sidekick homolog 1 (chicken)

[NPU46963](#)

DNA(spec.)—SDK1 gene; seq.var. = ?

DNA(specification)—**SDK2 gene;****sequence variation**

name of component: sidekick homolog 2 (chicken)

[NPU46964](#)

DNA(spec.)—SDK2 gene; seq.var. = ?

DNA(specification)—**SDPR gene;****sequence variation**

name of component: serum deprivation response (phosphatidylserine binding protein)

[NPU39836](#)

DNA(spec.)—SDPR gene; seq.var. = ?

DNA(specification)—**SDS gene;****sequence variation**

name of component: serine dehydratase

[NPU39837](#)

DNA(spec.)—SDS gene; seq.var. = ?

DNA(specification)—**SDU gene;****sequence variation**

name of component: skeletal dysplasia (unspecified)

[NPU39838](#)

DNA(spec.)—SDU gene; seq.var. = ?

DNA(specification)—**SEA gene;****sequence variation**

name of component: S13 erythroblastosis oncogene homolog (avian)

[NPU39839](#)

DNA(spec.)—SEA gene; seq.var. = ?

DNA(specification)—**SEC10L1 gene;****sequence variation**

name of component: SEC10-like 1 (*S. cerevisiae*)

[NPU39840](#)

DNA(spec.)—SEC10L1 gene; seq.var. = ?

DNA(specification)—**SEC13L1 gene;****sequence variation**name of component: SEC13-like 1 (*S. cerevisiae*)[NPU39841](#)

DNA(spec.)—SEC13L1 gene; seq.var. = ?

DNA(specification)—**SEC14L1 gene;****sequence variation**name of component: SEC14-like 1 (*S. cerevisiae*)[NPU39842](#)

DNA(spec.)—SEC14L1 gene; seq.var. = ?

DNA(specification)—**SEC14L2 gene;****sequence variation**name of component: SEC14-like 2 (*S. cerevisiae*)[NPU39843](#)

DNA(spec.)—SEC14L2 gene; seq.var. = ?

DNA(specification)—**SEC14L3 gene;****sequence variation**name of component: SEC14-like 3 (*S. cerevisiae*)[NPU46599](#)

DNA(spec.)—SEC14L3 gene; seq.var. = ?

DNA(specification)—**SEC14L4 gene;****sequence variation**name of component: SEC14-like 4 (*S. cerevisiae*)[NPU47687](#)

DNA(spec.)—SEC14L4 gene; seq.var. = ?

DNA(specification)—**SEC22L1 gene;****sequence variation**name of component: SEC22 vesicle trafficking protein-like 1 (*S. cerevisiae*)[NPU39844](#)

DNA(spec.)—SEC22L1 gene; seq.var. = ?

DNA(specification)—**SEC22L2 gene;****sequence variation**name of component: SEC22 vesicle trafficking protein-like 2 (*S. cerevisiae*)[NPU47522](#)

DNA(spec.)—SEC22L2 gene; seq.var. = ?

DNA(specification)—**SEC22L3 gene;****sequence variation**name of component: SEC22 vesicle trafficking protein-like 3 (*S. cerevisiae*)[NPU44725](#)

DNA(spec.)—SEC22L3 gene; seq.var. = ?

DNA(specification)—**SEC23A gene;****sequence variation**name of component: Sec23 homolog A (*S. cerevisiae*)[NPU39845](#)

DNA(spec.)—SEC23A gene; seq.var. = ?

DNA(specification)—**SEC23B gene;****sequence variation**name of component: Sec23 homolog B (*S. cerevisiae*)[NPU39846](#)

DNA(spec.)—SEC23B gene; seq.var. = ?

DNA(specification)—**SEC23IP gene;****sequence variation**

name of component: SEC23 interacting protein

[NPU44812](#)

DNA(spec.)—SEC23IP gene; seq.var. = ?

DNA(specification)—**SEC24A gene;****sequence variation**name of component: SEC24 related gene family, member A (*S. cerevisiae*)[NPU39847](#)

DNA(spec.)—SEC24A gene; seq.var. = ?

DNA(specification)—**SEC24B gene;****sequence variation**name of component: SEC24 related gene family, member B (*S. cerevisiae*)[NPU39848](#)

DNA(spec.)—SEC24B gene; seq.var. = ?

DNA(specification)—**SEC24C gene;****sequence variation**name of component: SEC24 related gene family, member C (*S. cerevisiae*)[NPU39849](#)

DNA(spec.)—SEC24C gene; seq.var. = ?

DNA(specification)—**SEC24D gene;****sequence variation**name of component: SEC24 related gene family, member D (*S. cerevisiae*)[NPU39850](#)

DNA(spec.)—SEC24D gene; seq.var. = ?

DNA(specification)—**SEC63 gene;****sequence variation**name of component: SEC63-like (*S. cerevisiae*)[NPU47859](#)

DNA(spec.)—SEC63 gene; seq.var. = ?

DNA(specification)—**SECTM1 gene;****sequence variation**

name of component: secreted and transmembrane 1

[NPU39851](#)

DNA(spec.)—SECTM1 gene; seq.var. = ?

DNA(specification)—**SEDL gene;****sequence variation**

name of component: spondyloepiphyseal dysplasia, late

[NPU39852](#)

DNA(spec.)—SEDL gene; seq.var. = ?

DNA(specification)—**SEDLP gene;****sequence variation**

name of component: spondyloepiphyseal dysplasia, late, pseudogene

[NPU39853](#)

DNA(spec.)—SEDLP gene; seq.var. = ?

DNA(specification)—**SEDLP2 gene;****sequence variation**

name of component: spondyloepiphyseal dysplasia, late, pseudogene 2

[NPU39854](#)

DNA(spec.)—SEDLP2 gene; seq.var. = ?

DNA(specification)—**SEDLP3 gene;****sequence variation**

name of component: spondyloepiphyseal dysplasia, late, pseudogene 3

[NPU39855](#)

DNA(spec.)—SEDLP3 gene; seq.var. = ?

DNA(specification)—**SEDLP4 gene;****sequence variation**

name of component: spondyloepiphyseal dysplasia, late, pseudogene 4

[NPU39856](#)

DNA(spec.)—SEDLP4 gene; seq.var. = ?

DNA(specification)—**SEDLP5 gene;****sequence variation**

name of component: spondyloepiphyseal dysplasia, late, pseudogene 5

[NPU39857](#)

DNA(spec.)—SEDLP5 gene; seq.var. = ?

DNA(specification)—**SEDLP6 gene;****sequence variation**

name of component: spondyloepiphyseal dysplasia, late, pseudogene 6

[NPU39858](#)

DNA(spec.)—SEDLP6 gene; seq.var. = ?

DNA(specification)—**SEDLP7 gene;****sequence variation**

name of component: spondyloepiphyseal dysplasia, late, pseudogene 7

[NPU39859](#)

DNA(spec.)—SEDLP7 gene; seq.var. = ?

DNA(specification)—**SEL1L gene;****sequence variation**name of component: sel-1 suppressor of lin-12-like (*C. elegans*)[NPU39860](#)

DNA(spec.)—SEL1L gene; seq.var. = ?

DNA(specification)—**SELE gene;****sequence variation**

name of component: selectin E (endothelial adhesion molecule 1)

[NPU39861](#)

DNA(spec.)—SELE gene; seq.var. = ?

DNA(specification)—**SELENBP1 gene;****sequence variation**

name of component: selenium binding protein 1

[NPU39862](#)

DNA(spec.)—SELENBP1 gene; seq.var. = ?

DNA(specification)—**SELL gene;****sequence variation**

name of component: selectin L (lymphocyte adhesion molecule 1)

[NPU39863](#)

DNA(spec.)—SELL gene; seq.var. = ?

DNA(specification)—**SELP gene;****sequence variation**

name of component: selectin P (granule membrane protein 140 kDa, antigen CD62)

[NPU39864](#)

DNA(spec.)—SELP gene; seq.var. = ?

DNA(specification)—**SELPLG gene;****sequence variation**

name of component: selectin P ligand

[NPU39865](#)

DNA(spec.)—SELPLG gene; seq.var. = ?

DNA(specification)—**SEMA3A gene;****sequence variation**

name of component: sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3A

[NPU39866](#)

DNA(spec.)—SEMA3A gene; seq.var. = ?

DNA(specification)—**SEMA3B gene;****sequence variation**

name of component: sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3B

[NPU39867](#)

DNA(spec.)—SEMA3B gene; seq.var. = ?

DNA(specification)—**SEMA3C gene;****sequence variation**

name of component: sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C

[NPU39868](#)

DNA(spec.)—SEMA3C gene; seq.var. = ?

DNA(specification)—**SEMA3D gene;****sequence variation**

name of component: sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3D

[NPU39869](#)

DNA(spec.)—SEMA3D gene; seq.var. = ?

DNA(specification)—**SEMA3E gene;****sequence variation**

name of component: sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3E

[NPU39870](#)

DNA(spec.)—SEMA3E gene; seq.var. = ?

DNA(specification)—**SEMA3F gene;****sequence variation**

name of component: sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3F

[NPU39871](#)

DNA(spec.)—SEMA3F gene; seq.var. = ?

DNA(specification)—**SEMA4B gene;****sequence variation**

name of component: sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4B

[NPU39872](#)

DNA(spec.)—SEMA4B gene; seq.var. = ?

DNA(specification)—**SEMA4D gene;****sequence variation**

name of component: sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4D

[NPU39873](#)

DNA(spec.)—SEMA4D gene; seq.var. = ?

DNA(specification)—**SEMA4E gene;****sequence variation**

name of component: sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4E

[NPU39874](#)

DNA(spec.)—SEMA4E gene; seq.var. = ?

DNA(specification)—**SEMA4F gene;****sequence variation**

name of component: sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4F

[NPU39875](#)

DNA(spec.)—SEMA4F gene; seq.var. = ?

DNA(specification)—**SEMA4G gene;****sequence variation**

name of component: sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4G

[NPU39876](#)

DNA(spec.)—SEMA4G gene; seq.var. = ?

DNA(specification)—**SEMA5A gene;****sequence variation**

name of component: sema domain, seven thrombospondin repeats (type 1 and type 1-like), trans-

membrane domain (TM) and short cytoplasmic domain, (semaphorin) 5A

[NPU39877](#)

DNA(spec.)—SEMA5A gene; seq.var. = ?

DNA(specification)—

SEMA5B gene;

sequence variation

name of component: sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5B

[NPU39878](#)

DNA(spec.)—SEMA5B gene; seq.var. = ?

DNA(specification)—

SEMA6A gene;

sequence variation

name of component: sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6A

[NPU39879](#)

DNA(spec.)—SEMA6A gene; seq.var. = ?

DNA(specification)—

SEMA6B gene;

sequence variation

name of component: sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6B

[NPU39880](#)

DNA(spec.)—SEMA6B gene; seq.var. = ?

DNA(specification)—

SEMA6C gene;

sequence variation

name of component: sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6C

[NPU39881](#)

DNA(spec.)—SEMA6C gene; seq.var. = ?

DNA(specification)—

SEMA7A gene;

sequence variation

name of component: sema domain, immunoglobulin domain (Ig), and GPI membrane anchor, (semaphorin) 7A

[NPU39882](#)

DNA(spec.)—SEMA7A gene; seq.var. = ?

DNA(specification)—

SEMG1 gene;

sequence variation

name of component: semenogelin I

[NPU39883](#)

DNA(spec.)—SEMG1 gene; seq.var. = ?

DNA(specification)—

SEMG2 gene;

sequence variation

name of component: semenogelin II

[NPU39884](#)

DNA(spec.)—SEMG2 gene; seq.var. = ?

DNA(specification)—

SEN2 gene;

sequence variation

name of component: senescence (cellular)-related 2

[NPU39885](#)

DNA(spec.)—SEN2 gene; seq.var. = ?

DNA(specification)—

SEN3 gene;

sequence variation

name of component: senescence (cellular)-related 3

[NPU39886](#)

DNA(spec.)—SEN3 gene; seq.var. = ?

DNA(specification)—

SEN6 gene;

sequence variation

name of component: senescence (cellular)-related 6

[NPU39887](#)

DNA(spec.)—SEN6 gene; seq.var. = ?

DNA(specification)—

SEN6A gene;

sequence variation

name of component: senescence (cellular)-related 6A

[NPU39888](#)

DNA(spec.)—SEN6A gene; seq.var. = ?

DNA(specification)—

SEN6B gene;

sequence variation

name of component: senescence (cellular)-related 6B

[NPU39889](#)

DNA(spec.)—SEN6B gene; seq.var. = ?

DNA(specification)—

SEPN1 gene;

sequence variation

name of component: selenoprotein N, 1

[NPU44072](#)

DNA(spec.)—SEPN1 gene; seq.var. = ?

DNA(specification)—

SEPP1 gene;

sequence variation

name of component: selenoprotein P, plasma, 1

[NPU39891](#)

DNA(spec.)—SEPP1 gene; seq.var. = ?

DNA(specification)—**SEPT1 gene;****sequence variation**

name of component: septin 1

[NPU32284](#)

DNA(spec.)—SEPT1 gene; seq.var. = ?

DNA(specification)—**SEPT10 gene;****sequence variation**

name of component: septin 10

[NPU42691](#)

DNA(spec.)—SEPT10 gene; seq.var. = ?

DNA(specification)—**SEPT3 gene;****sequence variation**

name of component: septin 3

[NPU39890](#)

DNA(spec.)—SEPT3 gene; seq.var. = ?

DNA(specification)—**SEPW1 gene;****sequence variation**

name of component: selenoprotein W, 1

[NPU39892](#)

DNA(spec.)—SEPW1 gene; seq.var. = ?

DNA(specification)—**SEPW1P gene;****sequence variation**

name of component: selenoprotein W, 1 pseudogene

[NPU39893](#)

DNA(spec.)—SEPW1P gene; seq.var. = ?

DNA(specification)—**SEPX1 gene;****sequence variation**

name of component: selenoprotein X, 1

[NPU42529](#)

DNA(spec.)—SEPX1 gene; seq.var. = ?

DNA(specification)—**SERAC1 gene;****sequence variation**

name of component: serine active site containing 1

[NPU47852](#)

DNA(spec.)—SERAC1 gene; seq.var. = ?

DNA(specification)—**SERF1A gene;****sequence variation**

name of component: small EDRK-rich factor 1A (telomeric)

[NPU39894](#)

DNA(spec.)—SERF1A gene; seq.var. = ?

DNA(specification)—**SERF1B gene;****sequence variation**

name of component: small EDRK-rich factor 1B (centromeric)

[NPU39895](#)

DNA(spec.)—SERF1B gene; seq.var. = ?

DNA(specification)—**SERF2 gene;****sequence variation**

name of component: small EDRK-rich factor 2

[NPU39896](#)

DNA(spec.)—SERF2 gene; seq.var. = ?

DNA(specification)—**SERHL gene;****sequence variation**

name of component: serine hydrolase-like

[NPU42732](#)

DNA(spec.)—SERHL gene; seq.var. = ?

DNA(specification)—**SERPINA1 gene;****sequence variation**

name of component: serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1

[NPU19170](#)

DNA(spec.)—SERPINA1 gene; seq.var. = ?

DNA(specification)—**SERPINA1 gene(MIM107400.0011);****entitic number(0 1 2)****NPU19304**

DNA(spec.)—SERPINA1

gene(MIM107400.0011); entitic num.(0 1 2) = ?

DNA(specification)—**SERPINA10 gene;****sequence variation**

name of component: serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 10

[NPU44069](#)

DNA(spec.)—SERPINA10 gene; seq.var. = ?

DNA(specification)—**SERPINA2 gene;****sequence variation**

name of component: serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 2

[NPU38336](#)

DNA(spec.)—SERPINA2 gene; seq.var. = ?

DNA(specification)—**SERPINA3 gene;****sequence variation**

name of component: serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3

[NPU30005](#)

DNA(spec.)—SERPINA3 gene; seq.var. = ?

DNA(specification)—**SERPINA4 gene;****sequence variation**

name of component: serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 4

[NPU38300](#)

DNA(spec.)—SERPINA4 gene; seq.var. = ?

DNA(specification)—**SERPINA5 gene;****sequence variation**

name of component: serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 5

[NPU38108](#)

DNA(spec.)—SERPINA5 gene; seq.var. = ?

DNA(specification)—**SERPINA6 gene;****sequence variation**

name of component: serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 6

[NPU31237](#)

DNA(spec.)—SERPINA6 gene; seq.var. = ?

DNA(specification)—**SERPINA7 gene;****sequence variation**

name of component: serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 7

[NPU40613](#)

DNA(spec.)—SERPINA7 gene; seq.var. = ?

DNA(specification)—**SERPINA9 gene;****sequence variation**

name of component: serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 9

[NPU44068](#)

DNA(spec.)—SERPINA9 gene; seq.var. = ?

DNA(specification)—**SERPINB1 gene;****sequence variation**

name of component: serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 1

[NPU32631](#)

DNA(spec.)—SERPINB1 gene; seq.var. = ?

DNA(specification)—**SERPINB10 gene;****sequence variation**

name of component: serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 10

[NPU38294](#)

DNA(spec.)—SERPINB10 gene; seq.var. = ?

DNA(specification)—**SERPINB11 gene;****sequence variation**

name of component: serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 11

[NPU42600](#)

DNA(spec.)—SERPINB11 gene; seq.var. = ?

DNA(specification)—**SERPINB12 gene;****sequence variation**

name of component: serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 12

[NPU42599](#)

DNA(spec.)—SERPINB12 gene; seq.var. = ?

DNA(specification)—**SERPINB13 gene;****sequence variation**

name of component: serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 13

[NPU38296](#)

DNA(spec.)—SERPINB13 gene; seq.var. = ?

DNA(specification)—**SERPINB2 gene;****sequence variation**

name of component: serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 2

[NPU37986](#)

DNA(spec.)—SERPINB2 gene; seq.var. = ?

DNA(specification)—**SERPINB3 gene;****sequence variation**

name of component: serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 3

[NPU39729](#)

DNA(spec.)—SERPINB3 gene; seq.var. = ?

DNA(specification)—**SERPINB4 gene;****sequence variation**

name of component: serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 4

[NPU39730](#)

DNA(spec.)—SERPINB4 gene; seq.var. = ?

DNA(specification)—**SERPINB5 gene;****sequence variation**

name of component: serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 5

[NPU38301](#)

DNA(spec.)—SERPINB5 gene; seq.var. = ?

DNA(specification)—**SERPINB6 gene;****sequence variation**

name of component: serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 6

[NPU38302](#)

DNA(spec.)—SERPINB6 gene; seq.var. = ?

DNA(specification)—**SERPINB7 gene;****sequence variation**

name of component: serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 7

[NPU42378](#)

DNA(spec.)—SERPINB7 gene; seq.var. = ?

DNA(specification)—**SERPINB8 gene;****sequence variation**

name of component: serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 8

[NPU38304](#)

DNA(spec.)—SERPINB8 gene; seq.var. = ?

DNA(specification)—**SERPINB9 gene;****sequence variation**

name of component: serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 9

[NPU38307](#)

DNA(spec.)—SERPINB9 gene; seq.var. = ?

DNA(specification)—**SERPINBP1 gene;****sequence variation**

name of component: serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), pseudogene 1

[NPU38305](#)

DNA(spec.)—SERPINBP1 gene; seq.var. = ?

DNA(specification)—**SERPINC1 gene;****sequence variation**

name of component: serine (or cysteine) proteinase inhibitor, clade C (antithrombin), member 1

[NPU19210](#)

DNA(spec.)—SERPINC1 gene; seq.var. = ?

DNA(specification)—**SERPIND1 gene;****sequence variation**

name of component: serine (or cysteine) proteinase inhibitor, clade D (heparin cofactor), member 1

[NPU33914](#)

DNA(spec.)—SERPIND1 gene; seq.var. = ?

DNA(specification)—**SERPINE1 gene;****sequence variation**

name of component: serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1

[NPU37985](#)

DNA(spec.)—SERPINE1 gene; seq.var. = ?

DNA(specification)—**SERPINE2 gene;****sequence variation**

name of component: serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 2

[NPU38303](#)

DNA(spec.)—SERPINE2 gene; seq.var. = ?

DNA(specification)—**SERPINF1 gene;****sequence variation**

name of component: serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1

[NPU38198](#)

DNA(spec.)—SERPINF1 gene; seq.var. = ?

DNA(specification)—**SERPINF2 gene;****sequence variation**

name of component: serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 2

[NPU38412](#)

DNA(spec.)—SERPINF2 gene; seq.var. = ?

DNA(specification)—**SERPING1 gene;****sequence variation**

name of component: serine (or cysteine) proteinase inhibitor, clade G (C1 inhibitor), member 1, (angioedema, hereditary)

[NPU19214](#)

DNA(spec.)—SERPING1 gene; seq.var. = ?

DNA(specification)—**SERPINH1 gene;****sequence variation**

name of component: serine (or cysteine) proteinase inhibitor, clade H (heat shock protein 47), member 1, (collagen binding protein 1)

[NPU31242](#)

DNA(spec.)—SERPINH1 gene; seq.var. = ?

DNA(specification)—**SERPINH1 gene;****sequence variation**

name of component: serine (or cysteine) proteinase inhibitor, clade H, pseudogene 1

[NPU47309](#)

DNA(spec.)—SERPINHP1 gene; seq.var. = ?

DNA(specification)—**SERPINI1 gene;****sequence variation**

name of component: serine (or cysteine) proteinase inhibitor, clade I (neuroserpin), member 1

[NPU38295](#)

DNA(spec.)—SERPINI1 gene; seq.var. = ?

DNA(specification)—**SERPINI2 gene;****sequence variation**

name of component: serine (or cysteine) proteinase inhibitor, clade I (neuroserpin), member 2

[NPU38297](#)

DNA(spec.)—SERPINI2 gene; seq.var. = ?

DNA(specification)—**SESTD1 gene;****sequence variation**

name of component: SEC14 and spectrin domains 1

[NPU46435](#)

DNA(spec.)—SESTD1 gene; seq.var. = ?

DNA(specification)—**SET gene;****sequence variation**

name of component: SET translocation (myeloid leukemia-associated)

[NPU39897](#)

DNA(spec.)—SET gene; seq.var. = ?

DNA(specification)—**SETBP1 gene;****sequence variation**

name of component: SET binding protein 1

[NPU43750](#)

DNA(spec.)—SETBP1 gene; seq.var. = ?

DNA(specification)—**SETDB1 gene;****sequence variation**

name of component: SET domain, bifurcated 1

[NPU39898](#)

DNA(spec.)—SETDB1 gene; seq.var. = ?

DNA(specification)—**SETDB2 gene;****sequence variation**

name of component: SET domain, bifurcated 2

[NPU47525](#)

DNA(spec.)—SETDB2 gene; seq.var. = ?

DNA(specification)—**SETMAR gene;****sequence variation**

name of component: SET domain and mariner transposase fusion gene

[NPU39899](#)

DNA(spec.)—SETMAR gene; seq.var. = ?

DNA(specification)—**SETP2 gene;****sequence variation**

name of component: SET pseudogene 2

[NPU47376](#)

DNA(spec.)—SETP2 gene; seq.var. = ?

DNA(specification)—**SEZ6 gene;****sequence variation**

name of component: seizure related 6 homolog (mouse)

[NPU44033](#)

DNA(spec.)—SEZ6 gene; seq.var. = ?

DNA(specification)—**SEZ6L gene;****sequence variation**

name of component: seizure related 6 homolog (mouse)-like

[NPU39900](#)

DNA(spec.)—SEZ6L gene; seq.var. = ?

DNA(specification)—**SF gene;****sequence variation**

name of component: Stoltzfus blood group

[NPU39901](#)

DNA(spec.)—SF gene; seq.var. = ?

DNA(specification)—**SF1 gene;****sequence variation**

name of component: splicing factor 1

[NPU41804](#)

DNA(spec.)—SF1 gene; seq.var. = ?

DNA(specification)—**SF3A1 gene;****sequence variation**

name of component: splicing factor 3a, subunit 1,
120 kDa

[NPU39902](#)

DNA(spec.)—SF3A1 gene; seq.var. = ?

DNA(specification)—**SF3A2 gene;****sequence variation**

name of component: splicing factor 3a, subunit 2,
66 kDa

[NPU39903](#)

DNA(spec.)—SF3A2 gene; seq.var. = ?

DNA(specification)—**SF3A3 gene;****sequence variation**

name of component: splicing factor 3a, subunit 3,
60 kDa

[NPU39904](#)

DNA(spec.)—SF3A3 gene; seq.var. = ?

DNA(specification)—**SF3A3P gene;****sequence variation**

name of component: splicing factor 3a, subunit 3
pseudogene

[NPU44557](#)

DNA(spec.)—SF3A3P gene; seq.var. = ?

DNA(specification)—**SF3B1 gene;****sequence variation**

name of component: splicing factor 3b, subunit 1,
155 kDa

[NPU39905](#)

DNA(spec.)—SF3B1 gene; seq.var. = ?

DNA(specification)—**SF3B2 gene;****sequence variation**

name of component: splicing factor 3b, subunit 2,
145 kDa

[NPU39906](#)

DNA(spec.)—SF3B2 gene; seq.var. = ?

DNA(specification)—**SF3B3 gene;****sequence variation**

name of component: splicing factor 3b, subunit 3,
130 kDa

[NPU39907](#)

DNA(spec.)—SF3B3 gene; seq.var. = ?

DNA(specification)—**SF3B4 gene;****sequence variation**

name of component: splicing factor 3b, subunit 4,
49 kDa

[NPU39908](#)

DNA(spec.)—SF3B4 gene; seq.var. = ?

DNA(specification)—**SF3B4P gene;****sequence variation**

name of component: splicing factor 3b, subunit 4,
pseudogene

[NPU47244](#)

DNA(spec.)—SF3B4P gene; seq.var. = ?

DNA(specification)—**SF4 gene;****sequence variation**

name of component: splicing factor 4

[NPU46592](#)

DNA(spec.)—SF4 gene; seq.var. = ?

DNA(specification)—**SFN gene;****sequence variation**

name of component: stratifin

[NPU39909](#)

DNA(spec.)—SFN gene; seq.var. = ?

DNA(specification)—**SFPQ gene;****sequence variation**

name of component: splicing factor pro-
line/glutamine rich (polypyrimidine tract binding
protein associated)

[NPU39910](#)

DNA(spec.)—SFPQ gene; seq.var. = ?

DNA(specification)—**SFPQP gene;****sequence variation**

name of component: splicing factor pro-
line/glutamine rich (polypyrimidine tract binding
protein associated) pseudogene

[NPU39911](#)

DNA(spec.)—SFPQP gene; seq.var. = ?

DNA(specification)—**SFRP1 gene;****sequence variation**

name of component: secreted frizzled-related pro-
tein 1

[NPU39912](#)

DNA(spec.)—SFRP1 gene; seq.var. = ?

DNA(specification)—**SFRP2 gene;****sequence variation**

name of component: secreted frizzled-related protein 2

[NPU39913](#)

DNA(spec.)—SFRP2 gene; seq.var. = ?

DNA(specification)—**SFRP4 gene;****sequence variation**

name of component: secreted frizzled-related protein 4

[NPU39914](#)

DNA(spec.)—SFRP4 gene; seq.var. = ?

DNA(specification)—**SFRP5 gene;****sequence variation**

name of component: secreted frizzled-related protein 5

[NPU39915](#)

DNA(spec.)—SFRP5 gene; seq.var. = ?

DNA(specification)—**SFRS1 gene;****sequence variation**

name of component: splicing factor, arginine/serine-rich 1 (splicing factor 2, alternate splicing factor)

[NPU39916](#)

DNA(spec.)—SFRS1 gene; seq.var. = ?

DNA(specification)—**SFRS10 gene;****sequence variation**

name of component: splicing factor, arginine/serine-rich 10 (transformer 2 homolog, Drosophila)

[NPU39917](#)

DNA(spec.)—SFRS10 gene; seq.var. = ?

DNA(specification)—**SFRS11 gene;****sequence variation**

name of component: splicing factor, arginine/serine-rich 11

[NPU39918](#)

DNA(spec.)—SFRS11 gene; seq.var. = ?

DNA(specification)—**SFRS12 gene;****sequence variation**

name of component: splicing factor, arginine/serine-rich 12

[NPU46161](#)

DNA(spec.)—SFRS12 gene; seq.var. = ?

DNA(specification)—**SFRS14 gene;****sequence variation**

name of component: splicing factor, arginine/serine-rich 14

[NPU46591](#)

DNA(spec.)—SFRS14 gene; seq.var. = ?

DNA(specification)—**SFRS2 gene;****sequence variation**

name of component: splicing factor, arginine/serine-rich 2

[NPU39919](#)

DNA(spec.)—SFRS2 gene; seq.var. = ?

DNA(specification)—**SFRS2IP gene;****sequence variation**

name of component: splicing factor, arginine/serine-rich 2, interacting protein

[NPU39920](#)

DNA(spec.)—SFRS2IP gene; seq.var. = ?

DNA(specification)—**SFRS3 gene;****sequence variation**

name of component: splicing factor, arginine/serine-rich 3

[NPU39921](#)

DNA(spec.)—SFRS3 gene; seq.var. = ?

DNA(specification)—**SFRS4 gene;****sequence variation**

name of component: splicing factor, arginine/serine-rich 4

[NPU39922](#)

DNA(spec.)—SFRS4 gene; seq.var. = ?

DNA(specification)—**SFRS5 gene;****sequence variation**

name of component: splicing factor, arginine/serine-rich 5

[NPU39923](#)

DNA(spec.)—SFRS5 gene; seq.var. = ?

DNA(specification)—**SFRS6 gene;****sequence variation**

name of component: splicing factor, arginine/serine-rich 6

[NPU39924](#)

DNA(spec.)—SFRS6 gene; seq.var. = ?

DNA(specification)—**SFRS7 gene;****sequence variation**

name of component: splicing factor, arginine/serine-rich 7, 35 kDa

[NPU39925](#)

DNA(spec.)—SFRS7 gene; seq.var. = ?

DNA(specification)—**SFRS8 gene;****sequence variation**

name of component: splicing factor, arginine/serine-rich 8 (suppressor-of-white-apricot homolog, *Drosophila*)

[NPU39926](#)

DNA(spec.)—SFRS8 gene; seq.var. = ?

DNA(specification)—**SFRS9 gene;****sequence variation**

name of component: splicing factor, arginine/serine-rich 9

[NPU39927](#)

DNA(spec.)—SFRS9 gene; seq.var. = ?

DNA(specification)—**SFRS9P1 gene;****sequence variation**

name of component: splicing factor, arginine/serine-rich 9 pseudogene 1

[NPU39928](#)

DNA(spec.)—SFRS9P1 gene; seq.var. = ?

DNA(specification)—**SFT gene;****sequence variation**

name of component: stimulator of Fe transport

[NPU39929](#)

DNA(spec.)—SFT gene; seq.var. = ?

DNA(specification)—**SFTPA1 gene;****sequence variation**

name of component: surfactant, pulmonary-associated protein A1

[NPU39930](#)

DNA(spec.)—SFTPA1 gene; seq.var. = ?

DNA(specification)—**SFTPA2 gene;****sequence variation**

name of component: surfactant, pulmonary-associated protein A2

[NPU39931](#)

DNA(spec.)—SFTPA2 gene; seq.var. = ?

DNA(specification)—**SFTPAP1 gene;****sequence variation**

name of component: surfactant, pulmonary-associated protein A pseudogene 1

[NPU39932](#)

DNA(spec.)—SFTPAP1 gene; seq.var. = ?

DNA(specification)—**SFTPB gene;****sequence variation**

name of component: surfactant, pulmonary-associated protein B

[NPU39933](#)

DNA(spec.)—SFTPB gene; seq.var. = ?

DNA(specification)—**SFTPC gene;****sequence variation**

name of component: surfactant, pulmonary-associated protein C

[NPU39934](#)

DNA(spec.)—SFTPC gene; seq.var. = ?

DNA(specification)—**SFTPD gene;****sequence variation**

name of component: surfactant, pulmonary-associated protein D

[NPU39935](#)

DNA(spec.)—SFTPD gene; seq.var. = ?

DNA(specification)—**SFTPF gene;****sequence variation**

name of component: surfactant associated protein F

[NPU46438](#)

DNA(spec.)—SFTPF gene; seq.var. = ?

DNA(specification)—**SFTPG gene;****sequence variation**

name of component: surfactant associated protein G

[NPU46440](#)

DNA(spec.)—SFTPG gene; seq.var. = ?

DNA(specification)—**SFTPH gene;****sequence variation**

name of component: surfactant associated protein H

[NPU46441](#)

DNA(spec.)—SFTPH gene; seq.var. = ?

DNA(specification)—**SFTPI gene;****sequence variation**

name of component: surfactant, pulmonary associated protein I

[NPU46442](#)

DNA(spec.)—SFTPI gene; seq.var. = ?

DNA(specification)—**SFTPJ gene;****sequence variation**

name of component: surfactant, pulmonary associated protein J

[NPU46443](#)

DNA(spec.)—SFTPJ gene; seq.var. = ?

DNA(specification)—**SFXN1 gene;****sequence variation**

name of component: sideroflexin 1

[NPU44133](#)

DNA(spec.)—SFXN1 gene; seq.var. = ?

DNA(specification)—**SFXN2 gene;****sequence variation**

name of component: sideroflexin 2

[NPU44134](#)

DNA(spec.)—SFXN2 gene; seq.var. = ?

DNA(specification)—**SFXN4 gene;****sequence variation**

name of component: sideroflexin 4

[NPU44135](#)

DNA(spec.)—SFXN4 gene; seq.var. = ?

DNA(specification)—**SFXN5 gene;****sequence variation**

name of component: sideroflexin 5

[NPU44125](#)

DNA(spec.)—SFXN5 gene; seq.var. = ?

DNA(specification)—**SGCA gene;****sequence variation**

name of component: sarcoglycan, alpha (50 kDa dystrophin-associated glycoprotein)

[NPU39936](#)

DNA(spec.)—SGCA gene; seq.var. = ?

DNA(specification)—**SGCB gene;****sequence variation**

name of component: sarcoglycan, beta (43 kDa dystrophin-associated glycoprotein)

[NPU39937](#)

DNA(spec.)—SGCB gene; seq.var. = ?

DNA(specification)—**SGCD gene;****sequence variation**

name of component: sarcoglycan, delta (35 kDa dystrophin-associated glycoprotein)

[NPU39938](#)

DNA(spec.)—SGCD gene; seq.var. = ?

DNA(specification)—**SGCE gene;****sequence variation**

name of component: sarcoglycan, epsilon

[NPU39939](#)

DNA(spec.)—SGCE gene; seq.var. = ?

DNA(specification)—**SGCG gene;****sequence variation**

name of component: sarcoglycan, gamma (35 kDa dystrophin-associated glycoprotein)

[NPU39940](#)

DNA(spec.)—SGCG gene; seq.var. = ?

DNA(specification)—**SGCZ gene;****sequence variation**

name of component: sarcoglycan zeta

[NPU42494](#)

DNA(spec.)—SGCZ gene; seq.var. = ?

DNA(specification)—**SGK gene;****sequence variation**

name of component: serum/glucocorticoid regulated kinase

[NPU39941](#)

DNA(spec.)—SGK gene; seq.var. = ?

DNA(specification)—**SGK2 gene;****sequence variation**

name of component: serum/glucocorticoid regulated kinase 2

[NPU42377](#)

DNA(spec.)—SGK2 gene; seq.var. = ?

DNA(specification)—**SGKL gene;****sequence variation**

name of component: serum/glucocorticoid regulated kinase-like

[NPU39942](#)

DNA(spec.)—SGKL gene; seq.var. = ?

DNA(specification)—**SGM1 gene;****sequence variation**

name of component: segmentation syndrome 1

[NPU39943](#)

DNA(spec.)—SGM1 gene; seq.var. = ?

DNA(specification)—**SGNE1 gene;****sequence variation**

name of component: secretory granule, neuroendocrine protein 1 (7B2 protein)

[NPU39944](#)

DNA(spec.)—SGNE1 gene; seq.var. = ?

DNA(specification)—**SGPL1 gene;****sequence variation**

name of component: sphingosine-1-phosphate lyase 1

[NPU39945](#)

DNA(spec.)—SGPL1 gene; seq.var. = ?

DNA(specification)—**SGPP1 gene;****sequence variation**

name of component: sphingosine-1-phosphate phosphatase 1

[NPU46079](#)

DNA(spec.)—SGPP1 gene; seq.var. = ?

DNA(specification)—**SGPP2 gene;****sequence variation**

name of component: sphingosine-1-phosphate phosphatase 2

[NPU47331](#)

DNA(spec.)—SGPP2 gene; seq.var. = ?

DNA(specification)—**SGSH gene;****sequence variation**

name of component: N-sulfoglucosamine sulfohydrolase (sulfamidase)

[NPU19184](#)

DNA(spec.)—SGSH gene; seq.var. = ?

DNA(specification)—**SGT gene;****sequence variation**

name of component: small glutamine-rich tetratricopeptide repeat (TPR)-containing

[NPU39946](#)

DNA(spec.)—SGT gene; seq.var. = ?

DNA(specification)—**SH2BP1 gene;****sequence variation**

name of component: SH2 domain binding protein 1 (tetratricopeptide repeat containing)

[NPU44739](#)

DNA(spec.)—SH2BP1 gene; seq.var. = ?

DNA(specification)—**SH2D1A gene;****sequence variation**

name of component: SH2 domain protein 1A, Duncan's disease (lymphoproliferative syndrome)

[NPU19185](#)

DNA(spec.)—SH2D1A gene; seq.var. = ?

DNA(specification)—**SH2D2A gene;****sequence variation**

name of component: SH2 domain protein 2A

[NPU39947](#)

DNA(spec.)—SH2D2A gene; seq.var. = ?

DNA(specification)—**SH2D3A gene;****sequence variation**

name of component: SH2 domain containing 3A

[NPU44760](#)

DNA(spec.)—SH2D3A gene; seq.var. = ?

DNA(specification)—**SH2D3C gene;****sequence variation**

name of component: SH2 domain containing 3C

[NPU44759](#)

DNA(spec.)—SH2D3C gene; seq.var. = ?

DNA(specification)—**SH3BGR gene;****sequence variation**

name of component: SH3 domain binding glutamic acid-rich protein

[NPU39948](#)

DNA(spec.)—SH3BGR gene; seq.var. = ?

DNA(specification)—**SH3BGRL gene;****sequence variation**

name of component: SH3 domain binding glutamic acid-rich protein like

[NPU39949](#)

DNA(spec.)—SH3BGRL gene; seq.var. = ?

DNA(specification)—**SH3BGRL2 gene;****sequence variation**

name of component: SH3 domain binding glutamic acid-rich protein like 2

[NPU43744](#)

DNA(spec.)—SH3BGRL2 gene; seq.var. = ?

DNA(specification)—**SH3BGRL3 gene;****sequence variation**

name of component: SH3 domain binding glutamic acid-rich protein like 3

[NPU43745](#)

DNA(spec.)—SH3BGRL3 gene; seq.var. = ?

DNA(specification)—
SH3BP1 gene;
sequence variation
name of component: SH3-domain binding protein 1
[NPU39950](#)
DNA(spec.)—SH3BP1 gene; seq.var. = ?

DNA(specification)—
SH3BP2 gene;
sequence variation
name of component: SH3-domain binding protein 2
[NPU39951](#)
DNA(spec.)—SH3BP2 gene; seq.var. = ?

DNA(specification)—
SH3BP4 gene;
sequence variation
name of component: SH3-domain binding protein 4
[NPU39952](#)
DNA(spec.)—SH3BP4 gene; seq.var. = ?

DNA(specification)—
SH3BP5 gene;
sequence variation
name of component: SH3-domain binding protein 5 (BTK-associated)
[NPU39953](#)
DNA(spec.)—SH3BP5 gene; seq.var. = ?

DNA(specification)—
SH3GL1 gene;
sequence variation
name of component: SH3-domain GRB2-like 1
[NPU39954](#)
DNA(spec.)—SH3GL1 gene; seq.var. = ?

DNA(specification)—
SH3GL2 gene;
sequence variation
name of component: SH3-domain GRB2-like 2
[NPU39955](#)
DNA(spec.)—SH3GL2 gene; seq.var. = ?

DNA(specification)—
SH3GL3 gene;
sequence variation
name of component: SH3-domain GRB2-like 3
[NPU39956](#)
DNA(spec.)—SH3GL3 gene; seq.var. = ?

DNA(specification)—
SH3GLB1 gene;
sequence variation
name of component: SH3-domain GRB2-like endophilin B1
[NPU39957](#)
DNA(spec.)—SH3GLB1 gene; seq.var. = ?

DNA(specification)—
SH3GLB2 gene;
sequence variation
name of component: SH3-domain GRB2-like endophilin B2
[NPU39958](#)
DNA(spec.)—SH3GLB2 gene; seq.var. = ?

DNA(specification)—
SH3GLP1 gene;
sequence variation
name of component: SH3-domain GRB2-like pseudogene 1
[NPU39959](#)
DNA(spec.)—SH3GLP1 gene; seq.var. = ?

DNA(specification)—
SH3GLP2 gene;
sequence variation
name of component: SH3-domain GRB2-like pseudogene 2
[NPU39960](#)
DNA(spec.)—SH3GLP2 gene; seq.var. = ?

DNA(specification)—
SH3GLP3 gene;
sequence variation
name of component: SH3-domain GRB2-like pseudogene 3
[NPU39961](#)
DNA(spec.)—SH3GLP3 gene; seq.var. = ?

DNA(specification)—
SH3KBP1 gene;
sequence variation
name of component: SH3-domain kinase binding protein 1
[NPU42363](#)
DNA(spec.)—SH3KBP1 gene; seq.var. = ?

DNA(specification)—
SHANK1 gene;
sequence variation
name of component: SH3 and multiple ankyrin repeat domains 1
[NPU43689](#)
DNA(spec.)—SHANK1 gene; seq.var. = ?

DNA(specification)—**SHANK2 gene;****sequence variation**

name of component: SH3 and multiple ankyrin repeat domains 2

[NPU42655](#)

DNA(spec.)—SHANK2 gene; seq.var. = ?

DNA(specification)—**SHANK3 gene;****sequence variation**

name of component: SH3 and multiple ankyrin repeat domains 3

[NPU42654](#)

DNA(spec.)—SHANK3 gene; seq.var. = ?

DNA(specification)—**SHB gene;****sequence variation**

name of component: SHB (Src homology 2 domain containing) adaptor protein B

[NPU39962](#)

DNA(spec.)—SHB gene; seq.var. = ?

DNA(specification)—**SHBG gene;****sequence variation**

name of component: sex hormone-binding globulin

[NPU39963](#)

DNA(spec.)—SHBG gene; seq.var. = ?

DNA(specification)—**SHC1 gene;****sequence variation**

name of component: SHC (Src homology 2 domain containing) transforming protein 1

[NPU39964](#)

DNA(spec.)—SHC1 gene; seq.var. = ?

DNA(specification)—**SHC1P1 gene;****sequence variation**

name of component: SHC (Src homology 2 domain containing) transforming protein 1 pseudogene 1

[NPU39965](#)

DNA(spec.)—SHC1P1 gene; seq.var. = ?

DNA(specification)—**SHCL1 gene;****sequence variation**

name of component: SHC (Src homology 2 domain containing) transforming protein-like 1

[NPU39966](#)

DNA(spec.)—SHCL1 gene; seq.var. = ?

DNA(specification)—**SHFM1 gene;****sequence variation**

name of component: split hand/foot malformation (ectrodactyly) type 1

[NPU39967](#)

DNA(spec.)—SHFM1 gene; seq.var. = ?

DNA(specification)—**SHFM2 gene;****sequence variation**

name of component: split hand/foot malformation (ectrodactyly) type 2

[NPU39968](#)

DNA(spec.)—SHFM2 gene; seq.var. = ?

DNA(specification)—**SHFM3 gene;****sequence variation**

name of component: split hand/foot malformation (ectrodactyly) type 3

[NPU39969](#)

DNA(spec.)—SHFM3 gene; seq.var. = ?

DNA(specification)—**SHH gene;****sequence variation**

name of component: sonic hedgehog homolog (Drosophila)

[NPU39970](#)

DNA(spec.)—SHH gene; seq.var. = ?

DNA(specification)—**SHMT1 gene;****sequence variation**

name of component: serine hydroxymethyltransferase 1 (soluble)

[NPU39971](#)

DNA(spec.)—SHMT1 gene; seq.var. = ?

DNA(specification)—**SHMT1P gene;****sequence variation**

name of component: serine hydroxymethyltransferase 1 (soluble) pseudogene

[NPU39972](#)

DNA(spec.)—SHMT1P gene; seq.var. = ?

DNA(specification)—**SHMT2 gene;****sequence variation**

name of component: serine hydroxymethyltransferase 2 (mitochondrial)

[NPU39973](#)

DNA(spec.)—SHMT2 gene; seq.var. = ?

DNA(specification)—**SHOC2 gene;****sequence variation**

name of component: soc-2 suppressor of clear homolog (C. elegans)

[NPU43672](#)

DNA(spec.)—SHOC2 gene; seq.var. = ?

DNA(specification)—**SHOX gene;****sequence variation**

name of component: short stature homeobox

[NPU39974](#)

DNA(spec.)—SHOX gene; seq.var. = ?

DNA(specification)—**SHOX2 gene;****sequence variation**

name of component: short stature homeobox 2

[NPU39975](#)

DNA(spec.)—SHOX2 gene; seq.var. = ?

DNA(specification)—**SHPRH gene;****sequence variation**

name of component: SNF2 histone linker PHD RING helicase

[NPU46981](#)

DNA(spec.)—SHPRH gene; seq.var. = ?

DNA(specification)—**SHS gene;****sequence variation**

name of component: Sutherland-Haas X-linked mental retardation syndrome

[NPU39976](#)

DNA(spec.)—SHS gene; seq.var. = ?

DNA(specification)—**SI gene;****sequence variation**

name of component: sucrase-isomaltase

[NPU39977](#)

DNA(spec.)—SI gene; seq.var. = ?

DNA(specification)—**SIAH1 gene;****sequence variation**

name of component: seven in absentia homolog 1 (Drosophila)

[NPU39978](#)

DNA(spec.)—SIAH1 gene; seq.var. = ?

DNA(specification)—**SIAH2 gene;****sequence variation**

name of component: seven in absentia homolog 2 (Drosophila)

[NPU39979](#)

DNA(spec.)—SIAH2 gene; seq.var. = ?

DNA(specification)—**SIASD gene;****sequence variation**

name of component: sialic acid storage disease

[NPU39980](#)

DNA(spec.)—SIASD gene; seq.var. = ?

DNA(specification)—**SIAT1 gene;****sequence variation**

name of component: sialyltransferase 1 (beta-galactoside alpha-2,6-sialyltransferase)

[NPU39981](#)

DNA(spec.)—SIAT1 gene; seq.var. = ?

DNA(specification)—**SIAT2 gene;****sequence variation**

name of component: sialyltransferase 2 (monosialoganglioside sialyltransferase)

[NPU39982](#)

DNA(spec.)—SIAT2 gene; seq.var. = ?

DNA(specification)—**SIAT4A gene;****sequence variation**

name of component: sialyltransferase 4A (beta-galactoside alpha-2,3-sialyltransferase)

[NPU39983](#)

DNA(spec.)—SIAT4A gene; seq.var. = ?

DNA(specification)—**SIAT4B gene;****sequence variation**

name of component: sialyltransferase 4B (beta-galactoside alpha-2,3-sialyltransferase)

[NPU39984](#)

DNA(spec.)—SIAT4B gene; seq.var. = ?

DNA(specification)—**SIAT4C gene;****sequence variation**

name of component: sialyltransferase 4C (beta-galactoside alpha-2,3-sialyltransferase)

[NPU39985](#)

DNA(spec.)—SIAT4C gene; seq.var. = ?

DNA(specification)—**SIAT5 gene;****sequence variation**

name of component: sialyltransferase 5 (galactosyldiacylglycerol alpha 2,3-sialyltransferase)

[NPU39986](#)

DNA(spec.)—SIAT5 gene; seq.var. = ?

DNA(specification)—**SIAT6 gene;****sequence variation**

name of component: sialyltransferase 6 (N-acetylglucosaminide alpha 2,3-sialyltransferase)

[NPU39987](#)

DNA(spec.)—SIAT6 gene; seq.var. = ?

DNA(specification)—**SIAT7 gene;****sequence variation**

name of component: sialyltransferase 7 ((alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetyl galactosaminide alpha-2,6-sialyltransferase)

[NPU39988](#)

DNA(spec.)—SIAT7 gene; seq.var. = ?

DNA(specification)—**SIAT7D gene;****sequence variation**

name of component: sialyltransferase 7D ((alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetyl galactosaminide alpha-2,6-sialyltransferase)

[NPU46143](#)

DNA(spec.)—SIAT7D gene; seq.var. = ?

DNA(specification)—**SIAT8A gene;****sequence variation**

name of component: sialyltransferase 8A (alpha-N-acetylneuraminide: alpha-2,8-sialyltransferase, GD3 synthase)

[NPU39989](#)

DNA(spec.)—SIAT8A gene; seq.var. = ?

DNA(specification)—**SIAT8B gene;****sequence variation**

name of component: sialyltransferase 8B (alpha-2,8-sialyltransferase)

[NPU39990](#)

DNA(spec.)—SIAT8B gene; seq.var. = ?

DNA(specification)—**SIAT8C gene;****sequence variation**

name of component: sialyltransferase 8C (alpha-2,3Galbeta1,4GlcNAcalpha 2,8-sialyltransferase)

[NPU42635](#)

DNA(spec.)—SIAT8C gene; seq.var. = ?

DNA(specification)—**SIAT8D gene;****sequence variation**

name of component: sialyltransferase 8D (alpha-2,8-polysialyltransferase)

[NPU39991](#)

DNA(spec.)—SIAT8D gene; seq.var. = ?

DNA(specification)—**SIAT8E gene;****sequence variation**

name of component: sialyltransferase 8E (alpha-2,8-polysialyltransferase)

[NPU46125](#)

DNA(spec.)—SIAT8E gene; seq.var. = ?

DNA(specification)—**SIAT9 gene;****sequence variation**

name of component: sialyltransferase 9 (CMP-NeuAc:lactosylceramide alpha-2,3-sialyltransferase; GM3 synthase)

[NPU39992](#)

DNA(spec.)—SIAT9 gene; seq.var. = ?

DNA(specification)—**SIATL1 gene;****sequence variation**

name of component: sialyltransferase-like 1

[NPU39993](#)

DNA(spec.)—SIATL1 gene; seq.var. = ?

DNA(specification)—**SIGLEC10 gene;****sequence variation**

name of component: sialic acid binding Ig-like lectin 10

[NPU43790](#)

DNA(spec.)—SIGLEC10 gene; seq.var. = ?

DNA(specification)—**SIGLEC11 gene;****sequence variation**

name of component: sialic acid binding Ig-like lectin 11

[NPU43791](#)

DNA(spec.)—SIGLEC11 gene; seq.var. = ?

DNA(specification)—**SIGLEC5 gene;****sequence variation**

name of component: sialic acid binding Ig-like lectin 5

[NPU39994](#)

DNA(spec.)—SIGLEC5 gene; seq.var. = ?

DNA(specification)—**SIGLEC6 gene;****sequence variation**

name of component: sialic acid binding Ig-like lectin 6

[NPU39995](#)

DNA(spec.)—SIGLEC6 gene; seq.var. = ?

DNA(specification)—
SIGLEC7 gene;
sequence variation
name of component: sialic acid binding Ig-like lectin 7
[NPU39996](#)
DNA(spec.)—SIGLEC7 gene; seq.var. = ?

DNA(specification)—
SIGLEC8 gene;
sequence variation
name of component: sialic acid binding Ig-like lectin 8
[NPU39997](#)
DNA(spec.)—SIGLEC8 gene; seq.var. = ?

DNA(specification)—
SIGLEC9 gene;
sequence variation
name of component: sialic acid binding Ig-like lectin 9
[NPU39998](#)
DNA(spec.)—SIGLEC9 gene; seq.var. = ?

DNA(specification)—
SIGLECL1 gene;
sequence variation
name of component: SIGLEC-like 1
[NPU43694](#)
DNA(spec.)—SIGLECL1 gene; seq.var. = ?

DNA(specification)—
SIGLECP1 gene;
sequence variation
name of component: sialic acid binding Ig-like lectin, pseudogene 1
[NPU43700](#)
DNA(spec.)—SIGLECP1 gene; seq.var. = ?

DNA(specification)—
SIGLECP10 gene;
sequence variation
name of component: sialic acid binding Ig-like lectin, pseudogene 10
[NPU43786](#)
DNA(spec.)—SIGLECP10 gene; seq.var. = ?

DNA(specification)—
SIGLECP11 gene;
sequence variation
name of component: sialic acid binding Ig-like lectin, pseudogene 11
[NPU43787](#)
DNA(spec.)—SIGLECP11 gene; seq.var. = ?

DNA(specification)—
SIGLECP12 gene;
sequence variation
name of component: sialic acid binding Ig-like lectin, pseudogene 12
[NPU43788](#)
DNA(spec.)—SIGLECP12 gene; seq.var. = ?

DNA(specification)—
SIGLECP13 gene;
sequence variation
name of component: sialic acid binding Ig-like lectin, pseudogene 13
[NPU43789](#)
DNA(spec.)—SIGLECP13 gene; seq.var. = ?

DNA(specification)—
SIGLECP14 gene;
sequence variation
name of component: sialic acid binding Ig-like lectin, pseudogene 14
[NPU43792](#)
DNA(spec.)—SIGLECP14 gene; seq.var. = ?

DNA(specification)—
SIGLECP15 gene;
sequence variation
name of component: sialic acid binding Ig-like lectin, pseudogene 15
[NPU44124](#)
DNA(spec.)—SIGLECP15 gene; seq.var. = ?

DNA(specification)—
SIGLECP2 gene;
sequence variation
name of component: sialic acid binding Ig-like lectin, pseudogene 2
[NPU43774](#)
DNA(spec.)—SIGLECP2 gene; seq.var. = ?

DNA(specification)—
SIGLECP3 gene;
sequence variation
name of component: sialic acid binding Ig-like lectin, pseudogene 3
[NPU43775](#)
DNA(spec.)—SIGLECP3 gene; seq.var. = ?

DNA(specification)—
SIGLECP4 gene;
sequence variation
name of component: sialic acid binding Ig-like lectin, pseudogene 4
[NPU43780](#)
DNA(spec.)—SIGLECP4 gene; seq.var. = ?

DNA(specification)—**SIGLECP5 gene;****sequence variation**

name of component: sialic acid binding Ig-like lectin, pseudogene 5

[NPU43781](#)

DNA(spec.)—SIGLECP5 gene; seq.var. = ?

DNA(specification)—**SIGLECP6 gene;****sequence variation**

name of component: sialic acid binding Ig-like lectin, pseudogene 6

[NPU43782](#)

DNA(spec.)—SIGLECP6 gene; seq.var. = ?

DNA(specification)—**SIGLECP7 gene;****sequence variation**

name of component: sialic acid binding Ig-like lectin, pseudogene 7

[NPU43783](#)

DNA(spec.)—SIGLECP7 gene; seq.var. = ?

DNA(specification)—**SIGLECP8 gene;****sequence variation**

name of component: sialic acid binding Ig-like lectin, pseudogene 8

[NPU43784](#)

DNA(spec.)—SIGLECP8 gene; seq.var. = ?

DNA(specification)—**SIGLECP9 gene;****sequence variation**

name of component: sialic acid binding Ig-like lectin, pseudogene 9

[NPU43785](#)

DNA(spec.)—SIGLECP9 gene; seq.var. = ?

DNA(specification)—**SIL gene;****sequence variation**

name of component: TAL1 (SCL) interrupting locus

[NPU39999](#)

DNA(spec.)—SIL gene; seq.var. = ?

DNA(specification)—**SILV gene;****sequence variation**

name of component: silver homolog (mouse)

[NPU40000](#)

DNA(spec.)—SILV gene; seq.var. = ?

DNA(specification)—**SIM1 gene;****sequence variation**

name of component: single-minded homolog 1 (Drosophila)

[NPU40001](#)

DNA(spec.)—SIM1 gene; seq.var. = ?

DNA(specification)—**SIM2 gene;****sequence variation**

name of component: single-minded homolog 2 (Drosophila)

[NPU40002](#)

DNA(spec.)—SIM2 gene; seq.var. = ?

DNA(specification)—**SIN3A gene;****sequence variation**

name of component: SIN3 homolog A, transcriptional regulator (yeast)

[NPU46990](#)

DNA(spec.)—SIN3A gene; seq.var. = ?

DNA(specification)—**SIN3B gene;****sequence variation**

name of component: SIN3 homolog B, transcriptional regulator (yeast)

[NPU46991](#)

DNA(spec.)—SIN3B gene; seq.var. = ?

DNA(specification)—**SIP1 gene;****sequence variation**

name of component: survival of motor neuron protein interacting protein 1

[NPU40003](#)

DNA(spec.)—SIP1 gene; seq.var. = ?

DNA(specification)—**SIPA1 gene;****sequence variation**

name of component: signal-induced proliferation-associated gene 1

[NPU40004](#)

DNA(spec.)—SIPA1 gene; seq.var. = ?

DNA(specification)—**SIRPB1 gene;****sequence variation**

name of component: signal-regulatory protein beta 1

[NPU44010](#)

DNA(spec.)—SIRPB1 gene; seq.var. = ?

DNA(specification)—**SIRPB2 gene;****sequence variation**

name of component: signal-regulatory protein beta 2

[NPU43875](#)

DNA(spec.)—SIRPB2 gene; seq.var. = ?

DNA(specification)—**SIRT1 gene;****sequence variation**

name of component: sirtuin (silent mating type information regulation 2 homolog) 1 (S. cerevisiae)

[NPU43175](#)

DNA(spec.)—SIRT1 gene; seq.var. = ?

DNA(specification)—**SIRT2 gene;****sequence variation**

name of component: sirtuin (silent mating type information regulation 2 homolog) 2 (S. cerevisiae)

[NPU40005](#)

DNA(spec.)—SIRT2 gene; seq.var. = ?

DNA(specification)—**SIRT3 gene;****sequence variation**

name of component: sirtuin (silent mating type information regulation 2 homolog) 3 (S. cerevisiae)

[NPU43176](#)

DNA(spec.)—SIRT3 gene; seq.var. = ?

DNA(specification)—**SIRT4 gene;****sequence variation**

name of component: sirtuin (silent mating type information regulation 2 homolog) 4 (S. cerevisiae)

[NPU43177](#)

DNA(spec.)—SIRT4 gene; seq.var. = ?

DNA(specification)—**SIRT5 gene;****sequence variation**

name of component: sirtuin (silent mating type information regulation 2 homolog) 5 (S. cerevisiae)

[NPU43178](#)

DNA(spec.)—SIRT5 gene; seq.var. = ?

DNA(specification)—**SIRT6 gene;****sequence variation**

name of component: sirtuin (silent mating type information regulation 2 homolog) 6 (S. cerevisiae)

[NPU43179](#)

DNA(spec.)—SIRT6 gene; seq.var. = ?

DNA(specification)—**SIRT7 gene;****sequence variation**

name of component: sirtuin (silent mating type information regulation 2 homolog) 7 (S. cerevisiae)

[NPU43180](#)

DNA(spec.)—SIRT7 gene; seq.var. = ?

DNA(specification)—**SIX1 gene;****sequence variation**

name of component: sine oculis homeobox homolog 1 (Drosophila)

[NPU40006](#)

DNA(spec.)—SIX1 gene; seq.var. = ?

DNA(specification)—**SIX2 gene;****sequence variation**

name of component: sine oculis homeobox homolog 2 (Drosophila)

[NPU40007](#)

DNA(spec.)—SIX2 gene; seq.var. = ?

DNA(specification)—**SIX3 gene;****sequence variation**

name of component: sine oculis homeobox homolog 3 (Drosophila)

[NPU40008](#)

DNA(spec.)—SIX3 gene; seq.var. = ?

DNA(specification)—**SIX4 gene;****sequence variation**

name of component: sine oculis homeobox homolog 4 (Drosophila)

[NPU40009](#)

DNA(spec.)—SIX4 gene; seq.var. = ?

DNA(specification)—**SIX5 gene;****sequence variation**

name of component: sine oculis homeobox homolog 5 (Drosophila)

[NPU40010](#)

DNA(spec.)—SIX5 gene; seq.var. = ?

DNA(specification)—**SIX6 gene;****sequence variation**

name of component: sine oculis homeobox homolog 6 (Drosophila)

[NPU40011](#)

DNA(spec.)—SIX6 gene; seq.var. = ?

DNA(specification)—**SJS1 gene;****sequence variation**

name of component: Schwartz-Jampel syndrome 1 (chondrodystrophic myotonia)

[NPU40012](#)

DNA(spec.)—SJS1 gene; seq.var. = ?

DNA(specification)—**SKB1 gene;****sequence variation**

name of component: SKB1 homolog (S. pombe)

[NPU40013](#)

DNA(spec.)—SKB1 gene; seq.var. = ?

DNA(specification)—**SKI gene;****sequence variation**

name of component: v-ski sarcoma viral oncogene homolog (avian)

[NPU40015](#)

DNA(spec.)—SKI gene; seq.var. = ?

DNA(specification)—**SKIL gene;****sequence variation**

name of component: SKI-like

[NPU40016](#)

DNA(spec.)—SKIL gene; seq.var. = ?

DNA(specification)—**SKIV2L gene;****sequence variation**

name of component: superkiller viralicidic activity 2-like (S. cerevisiae)

[NPU40017](#)

DNA(spec.)—SKIV2L gene; seq.var. = ?

DNA(specification)—**SKP1A gene;****sequence variation**

name of component: S-phase kinase-associated protein 1A (p19A)

[NPU40018](#)

DNA(spec.)—SKP1A gene; seq.var. = ?

DNA(specification)—**SKP1B gene;****sequence variation**

name of component: S-phase kinase-associated protein 1B (p19B)

[NPU40019](#)

DNA(spec.)—SKP1B gene; seq.var. = ?

DNA(specification)—**SKP2 gene;****sequence variation**

name of component: S-phase kinase-associated protein 2 (p45)

[NPU40020](#)

DNA(spec.)—SKP2 gene; seq.var. = ?

DNA(specification)—**SLA gene;****sequence variation**

name of component: Src-like-adaptor

[NPU40021](#)

DNA(spec.)—SLA gene; seq.var. = ?

DNA(specification)—**SLA2 gene;****sequence variation**

name of component: Src-like-adaptor 2

[NPU44981](#)

DNA(spec.)—SLA2 gene; seq.var. = ?

DNA(specification)—**SLAM gene;****sequence variation**

name of component: signaling lymphocytic activation molecule

[NPU40022](#)

DNA(spec.)—SLAM gene; seq.var. = ?

DNA(specification)—**SLBP gene;****sequence variation**

name of component: stem-loop (histone) binding protein

[NPU40023](#)

DNA(spec.)—SLBP gene; seq.var. = ?

DNA(specification)—**SLC10A1 gene;****sequence variation**

name of component: solute carrier family 10 (sodium/bile acid cotransporter family), member 1

[NPU40024](#)

DNA(spec.)—SLC10A1 gene; seq.var. = ?

DNA(specification)—**SLC10A2 gene;****sequence variation**

name of component: solute carrier family 10 (sodium/bile acid cotransporter family), member 2

[NPU40025](#)

DNA(spec.)—SLC10A2 gene; seq.var. = ?

DNA(specification)—**SLC11A1 gene;****sequence variation**

name of component: solute carrier family 11 (proton-coupled divalent metal ion transporters), member 1

[NPU40026](#)

DNA(spec.)—SLC11A1 gene; seq.var. = ?

DNA(specification)—**SLC11A2 gene;****sequence variation**

name of component: solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2

[NPU40027](#)

DNA(spec.)—SLC11A2 gene; seq.var. = ?

DNA(specification)—**SLC11A3 gene;****sequence variation**

name of component: solute carrier family 11 (proton-coupled divalent metal ion transporters), member 3

[NPU40028](#)

DNA(spec.)—SLC11A3 gene; seq.var. = ?

DNA(specification)—**SLC12A1 gene;****sequence variation**

name of component: solute carrier family 12 (sodium/potassium/chloride transporters), member 1

[NPU40029](#)

DNA(spec.)—SLC12A1 gene; seq.var. = ?

DNA(specification)—**SLC12A2 gene;****sequence variation**

name of component: solute carrier family 12 (sodium/potassium/chloride transporters), member 2

[NPU40030](#)

DNA(spec.)—SLC12A2 gene; seq.var. = ?

DNA(specification)—**SLC12A3 gene;****sequence variation**

name of component: solute carrier family 12 (sodium/chloride transporters), member 3

[NPU40031](#)

DNA(spec.)—SLC12A3 gene; seq.var. = ?

DNA(specification)—**SLC12A4 gene;****sequence variation**

name of component: solute carrier family 12 (potassium/chloride transporters), member 4

[NPU40032](#)

DNA(spec.)—SLC12A4 gene; seq.var. = ?

DNA(specification)—**SLC12A5 gene;****sequence variation**

name of component: solute carrier family 12, (potassium-chloride transporter) member 5

[NPU42340](#)

DNA(spec.)—SLC12A5 gene; seq.var. = ?

DNA(specification)—**SLC12A6 gene;****sequence variation**

name of component: solute carrier family 12 (potassium/chloride transporters), member 6

[NPU40033](#)

DNA(spec.)—SLC12A6 gene; seq.var. = ?

DNA(specification)—**SLC12A7 gene;****sequence variation**

name of component: solute carrier family 12 (potassium/chloride transporters), member 7

[NPU40034](#)

DNA(spec.)—SLC12A7 gene; seq.var. = ?

DNA(specification)—**SLC12A8 gene;****sequence variation**

name of component: solute carrier family 12 (potassium/chloride transporters), member 8

[NPU43769](#)

DNA(spec.)—SLC12A8 gene; seq.var. = ?

DNA(specification)—**SLC13A1 gene;****sequence variation**

name of component: solute carrier family 13 (sodium/sulfate symporters), member 1

[NPU40035](#)

DNA(spec.)—SLC13A1 gene; seq.var. = ?

DNA(specification)—**SLC13A2 gene;****sequence variation**

name of component: solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 2

[NPU40036](#)

DNA(spec.)—SLC13A2 gene; seq.var. = ?

DNA(specification)—**SLC13A3 gene;****sequence variation**

name of component: solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 3

[NPU42745](#)

DNA(spec.)—SLC13A3 gene; seq.var. = ?

DNA(specification)—**SLC13A4 gene;****sequence variation**

name of component: solute carrier family 13 (sodium/sulfate symporters), member 4

[NPU43927](#)

DNA(spec.)—SLC13A4 gene; seq.var. = ?

DNA(specification)—**SLC14A1 gene;****sequence variation**

name of component: solute carrier family 14 (urea transporter), member 1 (Kidd blood group)

[NPU40037](#)

DNA(spec.)—SLC14A1 gene; seq.var. = ?

DNA(specification)—**SLC14A2 gene;****sequence variation**

name of component: solute carrier family 14 (urea transporter), member 2

[NPU40038](#)

DNA(spec.)—SLC14A2 gene; seq.var. = ?

DNA(specification)—**SLC15A1 gene;****sequence variation**

name of component: solute carrier family 15 (oligopeptide transporter), member 1

[NPU40039](#)

DNA(spec.)—SLC15A1 gene; seq.var. = ?

DNA(specification)—**SLC15A2 gene;****sequence variation**

name of component: solute carrier family 15 (H⁺/peptide transporter), member 2

[NPU40040](#)

DNA(spec.)—SLC15A2 gene; seq.var. = ?

DNA(specification)—**SLC16A1 gene;****sequence variation**

name of component: solute carrier family 16 (monocarboxylic acid transporters), member 1

[NPU40041](#)

DNA(spec.)—SLC16A1 gene; seq.var. = ?

DNA(specification)—**SLC16A10 gene;****sequence variation**

name of component: solute carrier family 16 (monocarboxylic acid transporters), member 10

[NPU44820](#)

DNA(spec.)—SLC16A10 gene; seq.var. = ?

DNA(specification)—**SLC16A2 gene;****sequence variation**

name of component: solute carrier family 16 (monocarboxylic acid transporters), member 2 (putative transporter)

[NPU40042](#)

DNA(spec.)—SLC16A2 gene; seq.var. = ?

DNA(specification)—**SLC16A3 gene;****sequence variation**

name of component: solute carrier family 16 (monocarboxylic acid transporters), member 3

[NPU40043](#)

DNA(spec.)—SLC16A3 gene; seq.var. = ?

DNA(specification)—**SLC16A4 gene;****sequence variation**

name of component: solute carrier family 16 (monocarboxylic acid transporters), member 4

[NPU40044](#)

DNA(spec.)—SLC16A4 gene; seq.var. = ?

DNA(specification)—**SLC16A5 gene;****sequence variation**

name of component: solute carrier family 16 (monocarboxylic acid transporters), member 5

[NPU40045](#)

DNA(spec.)—SLC16A5 gene; seq.var. = ?

DNA(specification)—**SLC16A6 gene;****sequence variation**

name of component: solute carrier family 16 (monocarboxylic acid transporters), member 6

[NPU40046](#)

DNA(spec.)—SLC16A6 gene; seq.var. = ?

DNA(specification)—**SLC16A7 gene;****sequence variation**

name of component: solute carrier family 16 (monocarboxylic acid transporters), member 7

[NPU40047](#)

DNA(spec.)—SLC16A7 gene; seq.var. = ?

DNA(specification)—**SLC16A8 gene;****sequence variation**

name of component: solute carrier 16 (monocarboxylic acid transporters), member 8

[NPU44307](#)

DNA(spec.)—SLC16A8 gene; seq.var. = ?

DNA(specification)—**SLC17A1 gene;****sequence variation**

name of component: solute carrier family 17 (sodium phosphate), member 1

[NPU40048](#)

DNA(spec.)—SLC17A1 gene; seq.var. = ?

DNA(specification)—**SLC17A2 gene;****sequence variation**

name of component: solute carrier family 17 (sodium phosphate), member 2

[NPU40049](#)

DNA(spec.)—SLC17A2 gene; seq.var. = ?

DNA(specification)—**SLC17A3 gene;****sequence variation**

name of component: solute carrier family 17 (sodium phosphate), member 3

[NPU40050](#)

DNA(spec.)—SLC17A3 gene; seq.var. = ?

DNA(specification)—**SLC17A4 gene;****sequence variation**

name of component: solute carrier family 17 (sodium phosphate), member 4

[NPU40051](#)

DNA(spec.)—SLC17A4 gene; seq.var. = ?

DNA(specification)—**SLC17A5 gene;****sequence variation**

name of component: solute carrier family 17 (anion/sugar transporter), member 5

[NPU40052](#)

DNA(spec.)—SLC17A5 gene; seq.var. = ?

DNA(specification)—**SLC17A6 gene;****sequence variation**

name of component: solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 6

[NPU44645](#)

DNA(spec.)—SLC17A6 gene; seq.var. = ?

DNA(specification)—**SLC17A7 gene;****sequence variation**

name of component: solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 7

[NPU44646](#)

DNA(spec.)—SLC17A7 gene; seq.var. = ?

DNA(specification)—**SLC18A1 gene;****sequence variation**

name of component: solute carrier family 18 (vesicular monoamine), member 1

[NPU40053](#)

DNA(spec.)—SLC18A1 gene; seq.var. = ?

DNA(specification)—**SLC18A2 gene;****sequence variation**

name of component: solute carrier family 18 (vesicular monoamine), member 2

[NPU40054](#)

DNA(spec.)—SLC18A2 gene; seq.var. = ?

DNA(specification)—**SLC18A3 gene;****sequence variation**

name of component: solute carrier family 18 (vesicular acetylcholine), member 3

[NPU40055](#)

DNA(spec.)—SLC18A3 gene; seq.var. = ?

DNA(specification)—**SLC19A1 gene;****sequence variation**

name of component: solute carrier family 19 (folate transporter), member 1

[NPU40056](#)

DNA(spec.)—SLC19A1 gene; seq.var. = ?

DNA(specification)—**SLC19A2 gene;****sequence variation**

name of component: solute carrier family 19 (thiamine transporter), member 2

[NPU40057](#)

DNA(spec.)—SLC19A2 gene; seq.var. = ?

DNA(specification)—**SLC19A3 gene;****sequence variation**

name of component: solute carrier family 19, member 3

[NPU44305](#)

DNA(spec.)—SLC19A3 gene; seq.var. = ?

DNA(specification)—**SLC1A1 gene;****sequence variation**

name of component: solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag), member 1

[NPU40058](#)

DNA(spec.)—SLC1A1 gene; seq.var. = ?

DNA(specification)—**SLC1A2 gene;****sequence variation**

name of component: solute carrier family 1 (glial high affinity glutamate transporter), member 2

[NPU40059](#)

DNA(spec.)—SLC1A2 gene; seq.var. = ?

DNA(specification)—**SLC1A3 gene;****sequence variation**

name of component: solute carrier family 1 (glial high affinity glutamate transporter), member 3

[NPU40060](#)

DNA(spec.)—SLC1A3 gene; seq.var. = ?

DNA(specification)—**SLC1A4 gene;****sequence variation**

name of component: solute carrier family 1 (glutamate/neutral amino acid transporter), member 4

[NPU40061](#)

DNA(spec.)—SLC1A4 gene; seq.var. = ?

DNA(specification)—**SLC1A5 gene;****sequence variation**

name of component: solute carrier family 1 (neutral amino acid transporter), member 5

[NPU40062](#)

DNA(spec.)—SLC1A5 gene; seq.var. = ?

DNA(specification)—**SLC1A6 gene;****sequence variation**

name of component: solute carrier family 1 (high affinity aspartate/glutamate transporter), member 6

[NPU40063](#)

DNA(spec.)—SLC1A6 gene; seq.var. = ?

DNA(specification)—**SLC1A7 gene;****sequence variation**

name of component: solute carrier family 1 (glutamate transporter), member 7

[NPU40064](#)

DNA(spec.)—SLC1A7 gene; seq.var. = ?

DNA(specification)—**SLC20A1 gene;****sequence variation**

name of component: solute carrier family 20 (phosphate transporter), member 1

[NPU40065](#)

DNA(spec.)—SLC20A1 gene; seq.var. = ?

DNA(specification)—**SLC20A1P1 gene;****sequence variation**

name of component: solute carrier family 20 (phosphate transporter), member 1 pseudogene 1

[NPU47391](#)

DNA(spec.)—SLC20A1P1 gene; seq.var. = ?

DNA(specification)—**SLC20A2 gene;****sequence variation**

name of component: solute carrier family 20 (phosphate transporter), member 2

[NPU40066](#)

DNA(spec.)—SLC20A2 gene; seq.var. = ?

DNA(specification)—**SLC21A1 gene;****sequence variation**

name of component: solute carrier family 21 (organic anion transporter), member 1

[NPU40067](#)

DNA(spec.)—SLC21A1 gene; seq.var. = ?

DNA(specification)—**SLC21A10 gene;****sequence variation**

name of component: solute carrier family 21 (organic anion transporter), member 10

[NPU40068](#)

DNA(spec.)—SLC21A10 gene; seq.var. = ?

DNA(specification)—**SLC21A11 gene;****sequence variation**

name of component: solute carrier family 21 (organic anion transporter), member 11

[NPU40069](#)

DNA(spec.)—SLC21A11 gene; seq.var. = ?

DNA(specification)—**SLC21A12 gene;****sequence variation**

name of component: solute carrier family 21 (organic anion transporter), member 12

[NPU40070](#)

DNA(spec.)—SLC21A12 gene; seq.var. = ?

DNA(specification)—**SLC21A13 gene;****sequence variation**

name of component: solute carrier family 21 (organic anion transporter), member 13

[NPU40071](#)

DNA(spec.)—SLC21A13 gene; seq.var. = ?

DNA(specification)—
SLC21A14 gene;
sequence variation
name of component: solute carrier family 21 (organic anion transporter), member 14
[NPU42341](#)
DNA(spec.)—SLC21A14 gene; seq.var. = ?

DNA(specification)—
SLC21A15 gene;
sequence variation
name of component: solute carrier family 21 (organic anion transporter), member 15
[NPU46832](#)
DNA(spec.)—SLC21A15 gene; seq.var. = ?

DNA(specification)—
SLC21A2 gene;
sequence variation
name of component: solute carrier family 21 (prostaglandin transporter), member 2
[NPU40072](#)
DNA(spec.)—SLC21A2 gene; seq.var. = ?

DNA(specification)—
SLC21A3 gene;
sequence variation
name of component: solute carrier family 21 (organic anion transporter), member 3
[NPU40073](#)
DNA(spec.)—SLC21A3 gene; seq.var. = ?

DNA(specification)—
SLC21A4 gene;
sequence variation
name of component: solute carrier family 21 (organic anion transporter), member 4
[NPU40074](#)
DNA(spec.)—SLC21A4 gene; seq.var. = ?

DNA(specification)—
SLC21A5 gene;
sequence variation
name of component: solute carrier family 21 (organic anion transporter), member 5
[NPU40075](#)
DNA(spec.)—SLC21A5 gene; seq.var. = ?

DNA(specification)—
SLC21A6 gene;
sequence variation
name of component: solute carrier family 21 (organic anion transporter), member 6
[NPU40076](#)
DNA(spec.)—SLC21A6 gene; seq.var. = ?

DNA(specification)—
SLC21A7 gene;
sequence variation
name of component: solute carrier family 21 (organic anion transporter), member 7
[NPU40077](#)
DNA(spec.)—SLC21A7 gene; seq.var. = ?

DNA(specification)—
SLC21A8 gene;
sequence variation
name of component: solute carrier family 21 (organic anion transporter), member 8
[NPU40078](#)
DNA(spec.)—SLC21A8 gene; seq.var. = ?

DNA(specification)—
SLC21A9 gene;
sequence variation
name of component: solute carrier family 21 (organic anion transporter), member 9
[NPU40079](#)
DNA(spec.)—SLC21A9 gene; seq.var. = ?

DNA(specification)—
SLC22A1 gene;
sequence variation
name of component: solute carrier family 22 (organic cation transporter), member 1
[NPU40080](#)
DNA(spec.)—SLC22A1 gene; seq.var. = ?

DNA(specification)—
SLC22A10 gene;
sequence variation
name of component: solute carrier family 22 (organic anion/cation transporter), member 10
[NPU46255](#)
DNA(spec.)—SLC22A10 gene; seq.var. = ?

DNA(specification)—
SLC22A11 gene;
sequence variation
name of component: solute carrier family 22 (organic anion/cation transporter), member 11
[NPU46308](#)
DNA(spec.)—SLC22A11 gene; seq.var. = ?

DNA(specification)—
SLC22A12 gene;
sequence variation
name of component: solute carrier family 22 (organic anion/cation transporter), member 12
[NPU46209](#)
DNA(spec.)—SLC22A12 gene; seq.var. = ?

DNA(specification)—**SLC22A1L gene;****sequence variation**

name of component: solute carrier family 22 (organic cation transporter), member 1-like

[NPU40081](#)

DNA(spec.)—SLC22A1L gene; seq.var. = ?

DNA(specification)—**SLC22A1LS gene;****sequence variation**

name of component: solute carrier family 22 (organic cation transporter), member 1-like antisense

[NPU40082](#)

DNA(spec.)—SLC22A1LS gene; seq.var. = ?

DNA(specification)—**SLC22A2 gene;****sequence variation**

name of component: solute carrier family 22 (organic cation transporter), member 2

[NPU40083](#)

DNA(spec.)—SLC22A2 gene; seq.var. = ?

DNA(specification)—**SLC22A3 gene;****sequence variation**

name of component: solute carrier family 22 (extraneuronal monoamine transporter), member 3

[NPU40084](#)

DNA(spec.)—SLC22A3 gene; seq.var. = ?

DNA(specification)—**SLC22A4 gene;****sequence variation**

name of component: solute carrier family 22 (organic cation transporter), member 4

[NPU40085](#)

DNA(spec.)—SLC22A4 gene; seq.var. = ?

DNA(specification)—**SLC22A5 gene;****sequence variation**

name of component: solute carrier family 22 (organic cation transporter), member 5

[NPU19186](#)

DNA(spec.)—SLC22A5 gene; seq.var. = ?

DNA(specification)—**SLC22A6 gene;****sequence variation**

name of component: solute carrier family 22 (organic anion transporter), member 6

[NPU40086](#)

DNA(spec.)—SLC22A6 gene; seq.var. = ?

DNA(specification)—**SLC22A7 gene;****sequence variation**

name of component: solute carrier family 22 (organic anion transporter), member 7

[NPU40087](#)

DNA(spec.)—SLC22A7 gene; seq.var. = ?

DNA(specification)—**SLC22A8 gene;****sequence variation**

name of component: solute carrier family 22 (organic anion transporter), member 8

[NPU40088](#)

DNA(spec.)—SLC22A8 gene; seq.var. = ?

DNA(specification)—**SLC22A9 gene;****sequence variation**

name of component: solute carrier family 22 (organic anion/cation transporter), member 9

[NPU44301](#)

DNA(spec.)—SLC22A9 gene; seq.var. = ?

DNA(specification)—**SLC23A1 gene;****sequence variation**

name of component: solute carrier family 23 (nucleobase transporters), member 1

[NPU40090](#)

DNA(spec.)—SLC23A1 gene; seq.var. = ?

DNA(specification)—**SLC23A2 gene;****sequence variation**

name of component: solute carrier family 23 (nucleobase transporters), member 2

[NPU40089](#)

DNA(spec.)—SLC23A2 gene; seq.var. = ?

DNA(specification)—**SLC23A3 gene;****sequence variation**

name of component: solute carrier family 23 (nucleobase transporters), member 3

[NPU47674](#)

DNA(spec.)—SLC23A3 gene; seq.var. = ?

DNA(specification)—**SLC23A4 gene;****sequence variation**

name of component: solute carrier family 23 (nucleobase transporters), member 4

[NPU47675](#)

DNA(spec.)—SLC23A4 gene; seq.var. = ?

DNA(specification)—**SLC24A1 gene;****sequence variation**

name of component: solute carrier family 24 (sodium/potassium/calcium exchanger), member 1

[NPU40091](#)

DNA(spec.)—SLC24A1 gene; seq.var. = ?

DNA(specification)—**SLC24A2 gene;****sequence variation**

name of component: solute carrier family 24 (sodium/potassium/calcium exchanger), member 2

[NPU40092](#)

DNA(spec.)—SLC24A2 gene; seq.var. = ?

DNA(specification)—**SLC24A3 gene;****sequence variation**

name of component: solute carrier family 24 (sodium/potassium/calcium exchanger), member 3

[NPU40093](#)

DNA(spec.)—SLC24A3 gene; seq.var. = ?

DNA(specification)—**SLC24A4 gene;****sequence variation**

name of component: solute carrier family 24 (sodium/potassium/calcium exchanger), member 4

[NPU40094](#)

DNA(spec.)—SLC24A4 gene; seq.var. = ?

DNA(specification)—**SLC24A5 gene;****sequence variation**

name of component: solute carrier family 24, member 5

[NPU47679](#)

DNA(spec.)—SLC24A5 gene; seq.var. = ?

DNA(specification)—**SLC25A1 gene;****sequence variation**

name of component: solute carrier family 25 (mitochondrial carrier; citrate transporter), member 1

[NPU40095](#)

DNA(spec.)—SLC25A1 gene; seq.var. = ?

DNA(specification)—**SLC25A10 gene;****sequence variation**

name of component: solute carrier family 25 (mitochondrial carrier; dicarboxylate transporter), member 10

[NPU40096](#)

DNA(spec.)—SLC25A10 gene; seq.var. = ?

DNA(specification)—**SLC25A11 gene;****sequence variation**

name of component: solute carrier family 25 (mitochondrial carrier; oxoglutarate carrier), member 11

[NPU40097](#)

DNA(spec.)—SLC25A11 gene; seq.var. = ?

DNA(specification)—**SLC25A12 gene;****sequence variation**

name of component: solute carrier family 25 (mitochondrial carrier, Aralar), member 12

[NPU40098](#)

DNA(spec.)—SLC25A12 gene; seq.var. = ?

DNA(specification)—**SLC25A13 gene;****sequence variation**

name of component: solute carrier family 25, member 13 (citrin)

[NPU40099](#)

DNA(spec.)—SLC25A13 gene; seq.var. = ?

DNA(specification)—**SLC25A14 gene;****sequence variation**

name of component: solute carrier family 25 (mitochondrial carrier, brain), member 14

[NPU40100](#)

DNA(spec.)—SLC25A14 gene; seq.var. = ?

DNA(specification)—**SLC25A15 gene;****sequence variation**

name of component: solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 15

[NPU40101](#)

DNA(spec.)—SLC25A15 gene; seq.var. = ?

DNA(specification)—**SLC25A15P gene;****sequence variation**

name of component: solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 15 Y-linked pseudogene

[NPU46502](#)

DNA(spec.)—SLC25A15P gene; seq.var. = ?

DNA(specification)—**SLC25A16 gene;****sequence variation**

name of component: solute carrier family 25 (mitochondrial carrier; Graves disease autoantigen), member 16

[NPU40102](#)

DNA(spec.)—SLC25A16 gene; seq.var. = ?

DNA(specification)—**SLC25A17 gene;****sequence variation**

name of component: solute carrier family 25 (mitochondrial carrier; peroxisomal membrane protein, 34 kDa), member 17

[NPU40103](#)

DNA(spec.)—SLC25A17 gene; seq.var. = ?

DNA(specification)—**SLC25A18 gene;****sequence variation**

name of component: solute carrier family 25, (mitochondrial carrier), member 18

[NPU40104](#)

DNA(spec.)—SLC25A18 gene; seq.var. = ?

DNA(specification)—**SLC25A19 gene;****sequence variation**

name of component: solute carrier family 25 (mitochondrial deoxynucleotide carrier), member 19

[NPU42733](#)

DNA(spec.)—SLC25A19 gene; seq.var. = ?

DNA(specification)—**SLC25A20 gene;****sequence variation**

name of component: solute carrier family 25 (carnitine/acylcarnitine translocase), member 20

[NPU31149](#)

DNA(spec.)—SLC25A20 gene; seq.var. = ?

DNA(specification)—**SLC25A20P gene;****sequence variation**

name of component: solute carrier family 25 (carnitine/acylcarnitine translocase), member 20 pseudogene

[NPU31150](#)

DNA(spec.)—SLC25A20P gene; seq.var. = ?

DNA(specification)—**SLC25A21 gene;****sequence variation**

name of component: solute carrier family 25 (mitochondrial oxodicarboxylate carrier), member 21

[NPU42735](#)

DNA(spec.)—SLC25A21 gene; seq.var. = ?

DNA(specification)—**SLC25A22 gene;****sequence variation**

name of component: solute carrier family 25 (mitochondrial carrier: glutamate), member 22

[NPU47332](#)

DNA(spec.)—SLC25A22 gene; seq.var. = ?

DNA(specification)—**SLC25A3 gene;****sequence variation**

name of component: solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 3

[NPU40105](#)

DNA(spec.)—SLC25A3 gene; seq.var. = ?

DNA(specification)—**SLC25A4 gene;****sequence variation**

name of component: solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 4

[NPU40106](#)

DNA(spec.)—SLC25A4 gene; seq.var. = ?

DNA(specification)—**SLC25A5 gene;****sequence variation**

name of component: solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 5

[NPU40107](#)

DNA(spec.)—SLC25A5 gene; seq.var. = ?

DNA(specification)—**SLC25A5L gene;****sequence variation**

name of component: solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 5-like

[NPU44535](#)

DNA(spec.)—SLC25A5L gene; seq.var. = ?

DNA(specification)—**SLC25A5P1 gene;****sequence variation**

name of component: solute carrier family 25, member 5 pseudogene 1

[NPU46935](#)

DNA(spec.)—SLC25A5P1 gene; seq.var. = ?

DNA(specification)—**SLC25A6 gene;****sequence variation**

name of component: solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 6

[NPU40108](#)

DNA(spec.)—SLC25A6 gene; seq.var. = ?

DNA(specification)—**SLC26A1 gene;****sequence variation**

name of component: solute carrier family 26 (sulfate transporter), member 1

[NPU40109](#)

DNA(spec.)—SLC26A1 gene; seq.var. = ?

DNA(specification)—**SLC26A10 gene;****sequence variation**

name of component: solute carrier family 26, member 10

[NPU42784](#)

DNA(spec.)—SLC26A10 gene; seq.var. = ?

DNA(specification)—**SLC26A11 gene;****sequence variation**

name of component: solute carrier family 26, member 11

[NPU42785](#)

DNA(spec.)—SLC26A11 gene; seq.var. = ?

DNA(specification)—**SLC26A2 gene;****sequence variation**

name of component: solute carrier family 26 (sulfate transporter), member 2

[NPU40110](#)

DNA(spec.)—SLC26A2 gene; seq.var. = ?

DNA(specification)—**SLC26A3 gene;****sequence variation**

name of component: solute carrier family 26, member 3

[NPU32391](#)

DNA(spec.)—SLC26A3 gene; seq.var. = ?

DNA(specification)—**SLC26A4 gene;****sequence variation**

name of component: solute carrier family 26, member 4

[NPU19187](#)

DNA(spec.)—SLC26A4 gene; seq.var. = ?

DNA(specification)—**SLC26A6 gene;****sequence variation**

name of component: solute carrier family 26, member 6

[NPU42786](#)

DNA(spec.)—SLC26A6 gene; seq.var. = ?

DNA(specification)—**SLC26A7 gene;****sequence variation**

name of component: solute carrier family 26, member 7

[NPU42781](#)

DNA(spec.)—SLC26A7 gene; seq.var. = ?

DNA(specification)—**SLC26A8 gene;****sequence variation**

name of component: solute carrier family 26, member 8

[NPU42782](#)

DNA(spec.)—SLC26A8 gene; seq.var. = ?

DNA(specification)—**SLC26A9 gene;****sequence variation**

name of component: solute carrier family 26, member 9

[NPU42783](#)

DNA(spec.)—SLC26A9 gene; seq.var. = ?

DNA(specification)—**SLC27A1 gene;****sequence variation**

name of component: solute carrier family 27 (fatty acid transporter), member 1

[NPU40111](#)

DNA(spec.)—SLC27A1 gene; seq.var. = ?

DNA(specification)—**SLC27A2 gene;****sequence variation**

name of component: solute carrier family 27 (fatty acid transporter), member 2

[NPU40112](#)

DNA(spec.)—SLC27A2 gene; seq.var. = ?

DNA(specification)—**SLC27A3 gene;****sequence variation**

name of component: solute carrier family 27 (fatty acid transporter), member 3

[NPU40113](#)

DNA(spec.)—SLC27A3 gene; seq.var. = ?

DNA(specification)—**SLC27A4 gene;****sequence variation**

name of component: solute carrier family 27 (fatty acid transporter), member 4

[NPU40114](#)

DNA(spec.)—SLC27A4 gene; seq.var. = ?

DNA(specification)—**SLC27A5 gene;****sequence variation**

name of component: solute carrier family 27 (fatty acid transporter), member 5

[NPU40115](#)

DNA(spec.)—SLC27A5 gene; seq.var. = ?

DNA(specification)—**SLC27A6 gene;****sequence variation**

name of component: solute carrier family 27 (fatty acid transporter), member 6

[NPU40116](#)

DNA(spec.)—SLC27A6 gene; seq.var. = ?

DNA(specification)—**SLC28A1 gene;****sequence variation**

name of component: solute carrier family 28 (sodium-coupled nucleoside transporter), member 1

[NPU40117](#)

DNA(spec.)—SLC28A1 gene; seq.var. = ?

DNA(specification)—**SLC28A2 gene;****sequence variation**

name of component: solute carrier family 28 (sodium-coupled nucleoside transporter), member 2

[NPU40118](#)

DNA(spec.)—SLC28A2 gene; seq.var. = ?

DNA(specification)—**SLC28A3 gene;****sequence variation**

name of component: solute carrier family 28 (sodium-coupled nucleoside transporter), member 3

[NPU44475](#)

DNA(spec.)—SLC28A3 gene; seq.var. = ?

DNA(specification)—**SLC29A1 gene;****sequence variation**

name of component: solute carrier family 29 (nucleoside transporters), member 1

[NPU40119](#)

DNA(spec.)—SLC29A1 gene; seq.var. = ?

DNA(specification)—**SLC29A2 gene;****sequence variation**

name of component: solute carrier family 29 (nucleoside transporters), member 2

[NPU40120](#)

DNA(spec.)—SLC29A2 gene; seq.var. = ?

DNA(specification)—**SLC2A1 gene;****sequence variation**

name of component: solute carrier family 2 (facilitated glucose transporter), member 1

[NPU40121](#)

DNA(spec.)—SLC2A1 gene; seq.var. = ?

DNA(specification)—**SLC2A10 gene;****sequence variation**

name of component: solute carrier family 2 (facilitated glucose transporter), member 10

[NPU42135](#)

DNA(spec.)—SLC2A10 gene; seq.var. = ?

DNA(specification)—**SLC2A11 gene;****sequence variation**

name of component: solute carrier family 2 (facilitated glucose transporter), member 11

[NPU42607](#)

DNA(spec.)—SLC2A11 gene; seq.var. = ?

DNA(specification)—**SLC2A12 gene;****sequence variation**

name of component: solute carrier family 2 (facilitated glucose transporter), member 12

[NPU46263](#)

DNA(spec.)—SLC2A12 gene; seq.var. = ?

DNA(specification)—**SLC2A13 gene;****sequence variation**

name of component: solute carrier family 2 (facilitated glucose transporter), member 13

[NPU44034](#)

DNA(spec.)—SLC2A13 gene; seq.var. = ?

DNA(specification)—**SLC2A14 gene;****sequence variation**

name of component: solute carrier family 2 (facilitated glucose transporter), member 14

[NPU46387](#)

DNA(spec.)—SLC2A14 gene; seq.var. = ?

DNA(specification)—**SLC2A2 gene;****sequence variation**

name of component: solute carrier family 2 (facilitated glucose transporter), member 2

[NPU19188](#)

DNA(spec.)—SLC2A2 gene; seq.var. = ?

DNA(specification)—**SLC2A3 gene;****sequence variation**

name of component: solute carrier family 2 (facilitated glucose transporter), member 3

[NPU40122](#)

DNA(spec.)—SLC2A3 gene; seq.var. = ?

DNA(specification)—**SLC2A3P gene;****sequence variation**

name of component: solute carrier family 2 (facilitated glucose transporter), member 3 pseudogene

[NPU40123](#)

DNA(spec.)—SLC2A3P gene; seq.var. = ?

DNA(specification)—**SLC2A4 gene;****sequence variation**

name of component: solute carrier family 2 (facilitated glucose transporter), member 4

[NPU40124](#)

DNA(spec.)—SLC2A4 gene; seq.var. = ?

DNA(specification)—**SLC2A4RG gene;****sequence variation**

name of component: SLC2A4 regulator

[NPU44011](#)

DNA(spec.)—SLC2A4RG gene; seq.var. = ?

DNA(specification)—**SLC2A5 gene;****sequence variation**

name of component: solute carrier family 2 (facilitated glucose/fructose transporter), member 5

[NPU40125](#)

DNA(spec.)—SLC2A5 gene; seq.var. = ?

DNA(specification)—**SLC2A6 gene;****sequence variation**

name of component: solute carrier family 2 (facilitated glucose transporter), member 6

[NPU40126](#)

DNA(spec.)—SLC2A6 gene; seq.var. = ?

DNA(specification)—**SLC2A7 gene;****sequence variation**

name of component: solute carrier family 2 (facilitated glucose transporter), member 7

[NPU42136](#)

DNA(spec.)—SLC2A7 gene; seq.var. = ?

DNA(specification)—**SLC2A8 gene;****sequence variation**

name of component: solute carrier family 2, (facilitated glucose transporter) member 8

[NPU42334](#)

DNA(spec.)—SLC2A8 gene; seq.var. = ?

DNA(specification)—**SLC2A9 gene;****sequence variation**

name of component: solute carrier family 2 (facilitated glucose transporter), member 9

[NPU42137](#)

DNA(spec.)—SLC2A9 gene; seq.var. = ?

DNA(specification)—**SLC30A1 gene;****sequence variation**

name of component: solute carrier family 30 (zinc transporter), member 1

[NPU40127](#)

DNA(spec.)—SLC30A1 gene; seq.var. = ?

DNA(specification)—**SLC30A2 gene;****sequence variation**

name of component: solute carrier family 30 (zinc transporter), member 2

[NPU40128](#)

DNA(spec.)—SLC30A2 gene; seq.var. = ?

DNA(specification)—**SLC30A3 gene;****sequence variation**

name of component: solute carrier family 30 (zinc transporter), member 3

[NPU40129](#)

DNA(spec.)—SLC30A3 gene; seq.var. = ?

DNA(specification)—**SLC30A4 gene;****sequence variation**

name of component: solute carrier family 30 (zinc transporter), member 4

[NPU40130](#)

DNA(spec.)—SLC30A4 gene; seq.var. = ?

DNA(specification)—**SLC30A5 gene;****sequence variation**

name of component: solute carrier family 30 (zinc transporter), member 5

[NPU46856](#)

DNA(spec.)—SLC30A5 gene; seq.var. = ?

DNA(specification)—**SLC30A6 gene;****sequence variation**

name of component: solute carrier family 30 (zinc transporter), member 6

[NPU46961](#)

DNA(spec.)—SLC30A6 gene; seq.var. = ?

DNA(specification)—**SLC30A7 gene;****sequence variation**

name of component: solute carrier family 30 (zinc transporter), member 7

[NPU46962](#)

DNA(spec.)—SLC30A7 gene; seq.var. = ?

DNA(specification)—**SLC30A8 gene;****sequence variation**

name of component: solute carrier family 30 (zinc transporter), member 8

[NPU47541](#)

DNA(spec.)—SLC30A8 gene; seq.var. = ?

DNA(specification)—**SLC31A1 gene;****sequence variation**

name of component: solute carrier family 31 (copper transporters), member 1

[NPU40131](#)

DNA(spec.)—SLC31A1 gene; seq.var. = ?

DNA(specification)—**SLC31A1P gene;****sequence variation**

name of component: solute carrier family 31 (copper transporters), member 1 pseudogene

[NPU44864](#)

DNA(spec.)—SLC31A1P gene; seq.var. = ?

DNA(specification)—**SLC31A2 gene;****sequence variation**

name of component: solute carrier family 31 (copper transporters), member 2

[NPU40132](#)

DNA(spec.)—SLC31A2 gene; seq.var. = ?

DNA(specification)—**SLC32A1 gene;****sequence variation**

name of component: solute carrier family 32 (GABA vesicular transporter), member 1

[NPU40133](#)

DNA(spec.)—SLC32A1 gene; seq.var. = ?

DNA(specification)—**SLC33A1 gene;****sequence variation**

name of component: solute carrier family 33 (acetyl-CoA transporter), member 1

[NPU30072](#)

DNA(spec.)—SLC33A1 gene; seq.var. = ?

DNA(specification)—**SLC34A1 gene;****sequence variation**

name of component: solute carrier family 34 (sodium phosphate), member 1

[NPU40134](#)

DNA(spec.)—SLC34A1 gene; seq.var. = ?

DNA(specification)—**SLC34A2 gene;****sequence variation**

name of component: solute carrier family 34 (sodium phosphate), member 2

[NPU40135](#)

DNA(spec.)—SLC34A2 gene; seq.var. = ?

DNA(specification)—**SLC35A1 gene;****sequence variation**

name of component: solute carrier family 35 (CMP-sialic acid transporter), member A1

[NPU40136](#)

DNA(spec.)—SLC35A1 gene; seq.var. = ?

DNA(specification)—**SLC35A2 gene;****sequence variation**

name of component: solute carrier family 35 (UDP-galactose transporter), member A2

[NPU40137](#)

DNA(spec.)—SLC35A2 gene; seq.var. = ?

DNA(specification)—**SLC35A3 gene;****sequence variation**

name of component: solute carrier family 35 (UDP-N-acetylglucosamine (UDP-GlcNAc) transporter), member A3

[NPU40138](#)

DNA(spec.)—SLC35A3 gene; seq.var. = ?

DNA(specification)—**SLC35A4 gene;****sequence variation**

name of component: solute carrier family 35, member A4

[NPU47743](#)

DNA(spec.)—SLC35A4 gene; seq.var. = ?

DNA(specification)—**SLC35A5 gene;****sequence variation**

name of component: solute carrier family 35, member A5

[NPU47756](#)

DNA(spec.)—SLC35A5 gene; seq.var. = ?

DNA(specification)—**SLC35B1 gene;****sequence variation**

name of component: solute carrier family 35, member B1

[NPU47759](#)

DNA(spec.)—SLC35B1 gene; seq.var. = ?

DNA(specification)—**SLC35B2 gene;****sequence variation**

name of component: solute carrier family 35, member B2

[NPU44751](#)

DNA(spec.)—SLC35B2 gene; seq.var. = ?

DNA(specification)—**SLC35D1 gene;****sequence variation**

name of component: solute carrier family 35 (UDP-glucuronic acid/UDP-N-acetylgalactosamine dual transporter), member D1

[NPU47760](#)

DNA(spec.)—SLC35D1 gene; seq.var. = ?

DNA(specification)—**SLC35E1 gene;****sequence variation**

name of component: solute carrier family 35, member E1

[NPU47761](#)

DNA(spec.)—SLC35E1 gene; seq.var. = ?

DNA(specification)—**SLC35E2 gene;****sequence variation**

name of component: solute carrier family 35, member E2

[NPU47780](#)

DNA(spec.)—SLC35E2 gene; seq.var. = ?

DNA(specification)—**SLC35E3 gene;****sequence variation**

name of component: solute carrier family 35, member E2

[NPU47781](#)

DNA(spec.)—SLC35E3 gene; seq.var. = ?

DNA(specification)—**SLC36A1 gene;****sequence variation**

name of component: solute carrier family 36 (proton/amino acid symporter), member 1

[NPU46663](#)

DNA(spec.)—SLC36A1 gene; seq.var. = ?

DNA(specification)—**SLC36A2 gene;****sequence variation**

name of component: solute carrier family 36 (proton/amino acid symporter), member 2

[NPU46664](#)

DNA(spec.)—SLC36A2 gene; seq.var. = ?

DNA(specification)—**SLC37A1 gene;****sequence variation**

name of component: solute carrier family 37 (glycerol-3-phosphate transporter), member 1

[NPU40139](#)

DNA(spec.)—SLC37A1 gene; seq.var. = ?

DNA(specification)—**SLC37A2 gene;****sequence variation**

name of component: solute carrier family 37 (glycerol-3-phosphate transporter), member 2

[NPU47700](#)

DNA(spec.)—SLC37A2 gene; seq.var. = ?

DNA(specification)—**SLC37A3 gene;****sequence variation**

name of component: solute carrier family 37 (glycerol-3-phosphate transporter), member 3

[NPU47706](#)

DNA(spec.)—SLC37A3 gene; seq.var. = ?

DNA(specification)—**SLC38A1 gene;****sequence variation**

name of component: solute carrier family 38, member 1

[NPU42138](#)

DNA(spec.)—SLC38A1 gene; seq.var. = ?

DNA(specification)—**SLC38A2 gene;****sequence variation**

name of component: solute carrier family 38, member 2

[NPU42139](#)

DNA(spec.)—SLC38A2 gene; seq.var. = ?

DNA(specification)—**SLC38A3 gene;****sequence variation**

name of component: solute carrier family 38, member 3

[NPU46247](#)

DNA(spec.)—SLC38A3 gene; seq.var. = ?

DNA(specification)—**SLC38A4 gene;****sequence variation**

name of component: solute carrier family 38, member 4

[NPU42942](#)

DNA(spec.)—SLC38A4 gene; seq.var. = ?

DNA(specification)—**SLC38A5 gene;****sequence variation**

name of component: solute carrier family 38, member 5

[NPU46265](#)

DNA(spec.)—SLC38A5 gene; seq.var. = ?

DNA(specification)—**SLC38A6 gene;****sequence variation**

name of component: solute carrier family 38, member 6

[NPU47283](#)

DNA(spec.)—SLC38A6 gene; seq.var. = ?

DNA(specification)—**SLC39A1 gene;****sequence variation**

name of component: solute carrier family 39 (zinc transporter), member 1

[NPU41735](#)

DNA(spec.)—SLC39A1 gene; seq.var. = ?

DNA(specification)—**SLC39A2 gene;****sequence variation**

name of component: solute carrier family 39 (zinc transporter), member 2

[NPU44867](#)

DNA(spec.)—SLC39A2 gene; seq.var. = ?

DNA(specification)—**SLC39A3 gene;****sequence variation**

name of component: solute carrier family 39 (zinc transporter), member 3

[NPU44868](#)

DNA(spec.)—SLC39A3 gene; seq.var. = ?

DNA(specification)—**SLC39A4 gene;****sequence variation**

name of component: solute carrier family 39 (zinc transporter), member 4

[NPU44869](#)

DNA(spec.)—SLC39A4 gene; seq.var. = ?

DNA(specification)—**SLC3A1 gene;****sequence variation**

name of component: solute carrier family 3 (cystine, dibasic and neutral amino acid transporters, activator of cystine, dibasic and neutral amino acid transport), member 1

[NPU19189](#)

DNA(spec.)—SLC3A1 gene; seq.var. = ?

DNA(specification)—**SLC3A2 gene;****sequence variation**

name of component: solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2

[NPU40140](#)

DNA(spec.)—SLC3A2 gene; seq.var. = ?

DNA(specification)—**SLC41A1 gene;****sequence variation**

name of component: solute carrier family 41, member 1

[NPU47034](#)

DNA(spec.)—SLC41A1 gene; seq.var. = ?

DNA(specification)—**SLC4A1 gene;****sequence variation**

name of component: solute carrier family 4, anion exchanger, member 1 (erythrocyte membrane protein band 3, Diego blood group)

[NPU40141](#)

DNA(spec.)—SLC4A1 gene; seq.var. = ?

DNA(specification)—**SLC4A10 gene;****sequence variation**

name of component: solute carrier family 4, sodium bicarbonate transporter-like, member 10

[NPU42333](#)

DNA(spec.)—SLC4A10 gene; seq.var. = ?

DNA(specification)—**SLC4A11 gene;****sequence variation**

name of component: solute carrier family 4, sodium bicarbonate transporter-like, member 11

[NPU44437](#)

DNA(spec.)—SLC4A11 gene; seq.var. = ?

DNA(specification)—**SLC4A1AP gene;****sequence variation**

name of component: solute carrier family 4 (anion exchanger), member 1, adaptor protein

[NPU42335](#)

DNA(spec.)—SLC4A1AP gene; seq.var. = ?

DNA(specification)—**SLC4A2 gene;****sequence variation**

name of component: solute carrier family 4, anion exchanger, member 2 (erythrocyte membrane protein band 3-like 1)

[NPU40142](#)

DNA(spec.)—SLC4A2 gene; seq.var. = ?

DNA(specification)—**SLC4A3 gene;****sequence variation**

name of component: solute carrier family 4, anion exchanger, member 3

[NPU40143](#)

DNA(spec.)—SLC4A3 gene; seq.var. = ?

DNA(specification)—**SLC4A4 gene;****sequence variation**

name of component: solute carrier family 4, sodium bicarbonate cotransporter, member 4

[NPU40144](#)

DNA(spec.)—SLC4A4 gene; seq.var. = ?

DNA(specification)—**SLC4A5 gene;****sequence variation**

name of component: solute carrier family 4, sodium bicarbonate cotransporter, member 5

[NPU46337](#)

DNA(spec.)—SLC4A5 gene; seq.var. = ?

DNA(specification)—**SLC4A7 gene;****sequence variation**

name of component: solute carrier family 4, sodium bicarbonate cotransporter, member 7

[NPU40145](#)

DNA(spec.)—SLC4A7 gene; seq.var. = ?

DNA(specification)—**SLC4A8 gene;****sequence variation**

name of component: solute carrier family 4, sodium bicarbonate cotransporter, member 8

[NPU40146](#)

DNA(spec.)—SLC4A8 gene; seq.var. = ?

DNA(specification)—**SLC4A9 gene;****sequence variation**

name of component: solute carrier family 4, sodium bicarbonate cotransporter, member 9

[NPU40147](#)

DNA(spec.)—SLC4A9 gene; seq.var. = ?

DNA(specification)—**SLC5A1 gene;****sequence variation**

name of component: solute carrier family 5 (sodium/glucose cotransporter), member 1

[NPU19241](#)

DNA(spec.)—SLC5A1 gene; seq.var. = ?

DNA(specification)—**SLC5A2 gene;****sequence variation**

name of component: solute carrier family 5 (sodium/glucose cotransporter), member 2

[NPU40148](#)

DNA(spec.)—SLC5A2 gene; seq.var. = ?

DNA(specification)—**SLC5A3 gene;****sequence variation**

name of component: solute carrier family 5 (inositol transporters), member 3

[NPU40149](#)

DNA(spec.)—SLC5A3 gene; seq.var. = ?

DNA(specification)—**SLC5A4 gene;****sequence variation**

name of component: solute carrier family 5 (low affinity glucose cotransporter), member 4

[NPU40150](#)

DNA(spec.)—SLC5A4 gene; seq.var. = ?

DNA(specification)—**SLC5A5 gene;****sequence variation**

name of component: solute carrier family 5 (sodium iodide symporter), member 5

[NPU40151](#)

DNA(spec.)—SLC5A5 gene; seq.var. = ?

DNA(specification)—**SLC5A6 gene;****sequence variation**

name of component: solute carrier family 5 (sodium-dependent vitamin transporter), member 6

[NPU40152](#)

DNA(spec.)—SLC5A6 gene; seq.var. = ?

DNA(specification)—**SLC5A7 gene;****sequence variation**

name of component: solute carrier family 5 (cholesterol transporter), member 7

[NPU42459](#)

DNA(spec.)—SLC5A7 gene; seq.var. = ?

DNA(specification)—**SLC5A8 gene;****sequence variation**

name of component: solute carrier family 5 (iodide transporter), member 8

[NPU46875](#)

DNA(spec.)—SLC5A8 gene; seq.var. = ?

DNA(specification)—**SLC6A1 gene;****sequence variation**

name of component: solute carrier family 6 (neuro-transmitter transporter, GABA), member 1

[NPU40153](#)

DNA(spec.)—SLC6A1 gene; seq.var. = ?

DNA(specification)—**SLC6A10 gene;****sequence variation**

name of component: solute carrier family 6 (neuro-transmitter transporter, creatine), member 10

[NPU40154](#)

DNA(spec.)—SLC6A10 gene; seq.var. = ?

DNA(specification)—**SLC6A11 gene;****sequence variation**

name of component: solute carrier family 6 (neuro-transmitter transporter, GABA), member 11

[NPU40155](#)

DNA(spec.)—SLC6A11 gene; seq.var. = ?

DNA(specification)—**SLC6A12 gene;****sequence variation**

name of component: solute carrier family 6 (neuro-transmitter transporter, betaine/GABA), member 12

[NPU40156](#)

DNA(spec.)—SLC6A12 gene; seq.var. = ?

DNA(specification)—**SLC6A13 gene;****sequence variation**

name of component: solute carrier family 6 (neuro-transmitter transporter, GABA), member 13

[NPU40157](#)

DNA(spec.)—SLC6A13 gene; seq.var. = ?

DNA(specification)—**SLC6A14 gene;****sequence variation**

name of component: solute carrier family 6 (neuro-transmitter transporter), member 14

[NPU40158](#)

DNA(spec.)—SLC6A14 gene; seq.var. = ?

DNA(specification)—**SLC6A15 gene;****sequence variation**

name of component: solute carrier family 6 (neuro-transmitter transporter), member 15

[NPU42236](#)

DNA(spec.)—SLC6A15 gene; seq.var. = ?

DNA(specification)—**SLC6A16 gene;****sequence variation**

name of component: solute carrier family 6 (neuro-transmitter transporter), member 16

[NPU42237](#)

DNA(spec.)—SLC6A16 gene; seq.var. = ?

DNA(specification)—**SLC6A2 gene;****sequence variation**

name of component: solute carrier family 6 (neuro-transmitter transporter, noradrenalin), member 2

[NPU40159](#)

DNA(spec.)—SLC6A2 gene; seq.var. = ?

DNA(specification)—**SLC6A3 gene;****sequence variation**

name of component: solute carrier family 6 (neuro-transmitter transporter, dopamine), member 3

[NPU40160](#)

DNA(spec.)—SLC6A3 gene; seq.var. = ?

DNA(specification)—**SLC6A4 gene;****sequence variation**

name of component: solute carrier family 6 (neuro-transmitter transporter, serotonin), member 4

[NPU40161](#)

DNA(spec.)—SLC6A4 gene; seq.var. = ?

DNA(specification)—**SLC6A5 gene;****sequence variation**

name of component: solute carrier family 6 (neuro-transmitter transporter, glycine), member 5

[NPU40162](#)

DNA(spec.)—SLC6A5 gene; seq.var. = ?

DNA(specification)—**SLC6A6 gene;****sequence variation**

name of component: solute carrier family 6 (neuro-transmitter transporter, taurine), member 6

[NPU40163](#)

DNA(spec.)—SLC6A6 gene; seq.var. = ?

DNA(specification)—**SLC6A6P gene;****sequence variation**

name of component: solute carrier family 6, member 6 pseudogene

[NPU40164](#)

DNA(spec.)—SLC6A6P gene; seq.var. = ?

DNA(specification)—**SLC6A7 gene;****sequence variation**

name of component: solute carrier family 6 (neurotransmitter transporter, L-proline), member 7

[NPU40165](#)

DNA(spec.)—SLC6A7 gene; seq.var. = ?

DNA(specification)—**SLC6A8 gene;****sequence variation**

name of component: solute carrier family 6 (neurotransmitter transporter, creatine), member 8

[NPU40166](#)

DNA(spec.)—SLC6A8 gene; seq.var. = ?

DNA(specification)—**SLC6A9 gene;****sequence variation**

name of component: solute carrier family 6 (neurotransmitter transporter, glycine), member 9

[NPU40167](#)

DNA(spec.)—SLC6A9 gene; seq.var. = ?

DNA(specification)—**SLC7A1 gene;****sequence variation**

name of component: solute carrier family 7 (cationic amino acid transporter, y+ system), member 1

[NPU40168](#)

DNA(spec.)—SLC7A1 gene; seq.var. = ?

DNA(specification)—**SLC7A10 gene;****sequence variation**

name of component: solute carrier family 7, (cationic amino acid transporter, y+ system) member 10

[NPU40169](#)

DNA(spec.)—SLC7A10 gene; seq.var. = ?

DNA(specification)—**SLC7A11 gene;****sequence variation**

name of component: solute carrier family 7, (cationic amino acid transporter, y+ system) member 11

[NPU40170](#)

DNA(spec.)—SLC7A11 gene; seq.var. = ?

DNA(specification)—**SLC7A2 gene;****sequence variation**

name of component: solute carrier family 7 (cationic amino acid transporter, y+ system), member 2

[NPU40171](#)

DNA(spec.)—SLC7A2 gene; seq.var. = ?

DNA(specification)—**SLC7A3 gene;****sequence variation**

name of component: solute carrier family 7 (cationic amino acid transporter, y+ system), member 3

[NPU40172](#)

DNA(spec.)—SLC7A3 gene; seq.var. = ?

DNA(specification)—**SLC7A4 gene;****sequence variation**

name of component: solute carrier family 7 (cationic amino acid transporter, y+ system), member 4

[NPU40173](#)

DNA(spec.)—SLC7A4 gene; seq.var. = ?

DNA(specification)—**SLC7A5 gene;****sequence variation**

name of component: solute carrier family 7 (cationic amino acid transporter, y+ system), member 5

[NPU40174](#)

DNA(spec.)—SLC7A5 gene; seq.var. = ?

DNA(specification)—**SLC7A6 gene;****sequence variation**

name of component: solute carrier family 7 (cationic amino acid transporter, y+ system), member 6

[NPU40175](#)

DNA(spec.)—SLC7A6 gene; seq.var. = ?

DNA(specification)—**SLC7A7 gene;****sequence variation**

name of component: solute carrier family 7 (cationic amino acid transporter, y+ system), member 7

[NPU19190](#)

DNA(spec.)—SLC7A7 gene; seq.var. = ?

DNA(specification)—**SLC7A8 gene;****sequence variation**

name of component: solute carrier family 7 (cationic amino acid transporter, y+ system), member 8

[NPU40176](#)

DNA(spec.)—SLC7A8 gene; seq.var. = ?

DNA(specification)—**SLC7A9 gene;****sequence variation**

name of component: solute carrier family 7 (cationic amino acid transporter, y⁺ system), member 9

[NPU40177](#)

DNA(spec.)—SLC7A9 gene; seq.var. = ?

DNA(specification)—**SLC8A1 gene;****sequence variation**

name of component: solute carrier family 8 (sodium/calcium exchanger), member 1

[NPU40178](#)

DNA(spec.)—SLC8A1 gene; seq.var. = ?

DNA(specification)—**SLC8A2 gene;****sequence variation**

name of component: solute carrier family 8 (sodium-calcium exchanger), member 2

[NPU40179](#)

DNA(spec.)—SLC8A2 gene; seq.var. = ?

DNA(specification)—**SLC8A3 gene;****sequence variation**

name of component: solute carrier family 8 (sodium-calcium exchanger), member 3

[NPU40180](#)

DNA(spec.)—SLC8A3 gene; seq.var. = ?

DNA(specification)—**SLC9A1 gene;****sequence variation**

name of component: solute carrier family 9 (sodium/hydrogen exchanger), isoform 1 (antiporter, Na⁺/H⁺, amiloride sensitive)

[NPU40181](#)

DNA(spec.)—SLC9A1 gene; seq.var. = ?

DNA(specification)—**SLC9A2 gene;****sequence variation**

name of component: solute carrier family 9 (sodium/hydrogen exchanger), isoform 2

[NPU40182](#)

DNA(spec.)—SLC9A2 gene; seq.var. = ?

DNA(specification)—**SLC9A3 gene;****sequence variation**

name of component: solute carrier family 9 (sodium/hydrogen exchanger), isoform 3

[NPU40183](#)

DNA(spec.)—SLC9A3 gene; seq.var. = ?

DNA(specification)—**SLC9A3P gene;****sequence variation**

name of component: solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 pseudogene

[NPU40184](#)

DNA(spec.)—SLC9A3P gene; seq.var. = ?

DNA(specification)—**SLC9A3P2 gene;****sequence variation**

name of component: solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 pseudogene 2

[NPU46973](#)

DNA(spec.)—SLC9A3P2 gene; seq.var. = ?

DNA(specification)—**SLC9A3R1 gene;****sequence variation**

name of component: solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 regulatory factor 1

[NPU40185](#)

DNA(spec.)—SLC9A3R1 gene; seq.var. = ?

DNA(specification)—**SLC9A3R2 gene;****sequence variation**

name of component: solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 regulatory factor 2

[NPU40186](#)

DNA(spec.)—SLC9A3R2 gene; seq.var. = ?

DNA(specification)—**SLC9A4 gene;****sequence variation**

name of component: solute carrier family 9 (sodium/hydrogen exchanger), isoform 4

[NPU40187](#)

DNA(spec.)—SLC9A4 gene; seq.var. = ?

DNA(specification)—**SLC9A5 gene;****sequence variation**

name of component: solute carrier family 9 (sodium/hydrogen exchanger), isoform 5

[NPU40188](#)

DNA(spec.)—SLC9A5 gene; seq.var. = ?

DNA(specification)—**SLC9A6 gene;****sequence variation**

name of component: solute carrier family 9 (sodium/hydrogen exchanger), isoform 6

[NPU40189](#)

DNA(spec.)—SLC9A6 gene; seq.var. = ?

DNA(specification)—**SLC9A7 gene;****sequence variation**

name of component: solute carrier family 9 (sodium/hydrogen exchanger), isoform 7

[NPU44863](#)

DNA(spec.)—SLC9A7 gene; seq.var. = ?

DNA(specification)—**SLC9A8 gene;****sequence variation**

name of component: solute carrier family 9 (sodium/hydrogen exchanger), isoform 8

[NPU47737](#)

DNA(spec.)—SLC9A8 gene; seq.var. = ?

DNA(specification)—**SLC9A9 gene;****sequence variation**

name of component: solute carrier family 9 (sodium/hydrogen exchanger), isoform 9

[NPU47707](#)

DNA(spec.)—SLC9A9 gene; seq.var. = ?

DNA(specification)—**SLEB1 gene;****sequence variation**

name of component: systemic lupus erythematosus susceptibility 1

[NPU40190](#)

DNA(spec.)—SLEB1 gene; seq.var. = ?

DNA(specification)—**SLEB2 gene;****sequence variation**

name of component: systemic lupus erythematosus susceptibility 2

[NPU40191](#)

DNA(spec.)—SLEB2 gene; seq.var. = ?

DNA(specification)—**SLEB3 gene;****sequence variation**

name of component: systemic lupus erythematosus susceptibility 3

[NPU42842](#)

DNA(spec.)—SLEB3 gene; seq.var. = ?

DNA(specification)—**SLEH1 gene;****sequence variation**

name of component: systemic lupus erythematosus with hemolytic anemia 1

[NPU46022](#)

DNA(spec.)—SLEH1 gene; seq.var. = ?

DNA(specification)—**SLN1 gene;****sequence variation**

name of component: systemic lupus erythematosus with nephritis 1

[NPU46520](#)

DNA(spec.)—SLN1 gene; seq.var. = ?

DNA(specification)—**SLN2 gene;****sequence variation**

name of component: systemic lupus erythematosus with nephritis 2

[NPU46521](#)

DNA(spec.)—SLN2 gene; seq.var. = ?

DNA(specification)—**SLN3 gene;****sequence variation**

name of component: systemic lupus erythematosus with nephritis 3

[NPU46522](#)

DNA(spec.)—SLN3 gene; seq.var. = ?

DNA(specification)—**SLEV1 gene;****sequence variation**

name of component: systemic lupus erythematosus, vitiligo-related 1

[NPU46340](#)

DNA(spec.)—SLEV1 gene; seq.var. = ?

DNA(specification)—**SLIT1 gene;****sequence variation**

name of component: slit homolog 1 (Drosophila)

[NPU40192](#)

DNA(spec.)—SLIT1 gene; seq.var. = ?

DNA(specification)—**SLIT2 gene;****sequence variation**

name of component: slit homolog 2 (Drosophila)

[NPU40193](#)

DNA(spec.)—SLIT2 gene; seq.var. = ?

DNA(specification)—**SLIT3 gene;****sequence variation**

name of component: slit homolog 3 (Drosophila)

[NPU40194](#)

DNA(spec.)—SLIT3 gene; seq.var. = ?

DNA(specification)—**SLK gene;****sequence variation**

name of component: SNF1 sucrose nonfermenting like kinase (yeast)

[NPU40195](#)

DNA(spec.)—SLK gene; seq.var. = ?

DNA(specification)—**SLMAP gene;****sequence variation**

name of component: sarcolemma associated protein

[NPU44613](#)

DNA(spec.)—SLMAP gene; seq.var. = ?

DNA(specification)—**SLN gene;****sequence variation**

name of component: sarcolipin

[NPU40196](#)

DNA(spec.)—SLN gene; seq.var. = ?

DNA(specification)—**SLOS gene;****sequence variation**

name of component: Smith-Lemli-Opitz syndrome

[NPU40197](#)

DNA(spec.)—SLOS gene; seq.var. = ?

DNA(specification)—**SLPI gene;****sequence variation**

name of component: secretory leukocyte protease inhibitor (antileukoproteinase)

[NPU40198](#)

DNA(spec.)—SLPI gene; seq.var. = ?

DNA(specification)—**SMA@ gene;****sequence variation**

name of component: spinal muscular atrophy (Werdnig-Hoffmann disease, Kugelberg-Welander disease)

[NPU40200](#)

DNA(spec.)—SMA@ gene; seq.var. = ?

DNA(specification)—**SMAP1 gene;****sequence variation**

name of component: stromal membrane-associated protein 1

[NPU47130](#)

DNA(spec.)—SMAP1 gene; seq.var. = ?

DNA(specification)—**SMARCA1 gene;****sequence variation**

name of component: SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 1

[NPU40201](#)

DNA(spec.)—SMARCA1 gene; seq.var. = ?

DNA(specification)—**SMARCA2 gene;****sequence variation**

name of component: SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2

[NPU40202](#)

DNA(spec.)—SMARCA2 gene; seq.var. = ?

DNA(specification)—**SMARCA3 gene;****sequence variation**

name of component: SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 3

[NPU40203](#)

DNA(spec.)—SMARCA3 gene; seq.var. = ?

DNA(specification)—**SMARCA4 gene;****sequence variation**

name of component: SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4

[NPU40204](#)

DNA(spec.)—SMARCA4 gene; seq.var. = ?

DNA(specification)—**SMARCA5 gene;****sequence variation**

name of component: SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 5

[NPU40205](#)

DNA(spec.)—SMARCA5 gene; seq.var. = ?

DNA(specification)—**SMARCA11 gene;****sequence variation**

name of component: SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a-like 1

[NPU40206](#)

DNA(spec.)—SMARCA11 gene; seq.var. = ?

DNA(specification)—**SMARCB1 gene;****sequence variation**

name of component: SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1

[NPU40207](#)

DNA(spec.)—SMARCB1 gene; seq.var. = ?

DNA(specification)—**SMARCC1 gene;****sequence variation**

name of component: SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1

[NPU40208](#)

DNA(spec.)—SMARCC1 gene; seq.var. = ?

DNA(specification)—**SMARCC2 gene;****sequence variation**

name of component: SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 2

[NPU40209](#)

DNA(spec.)—SMARCC2 gene; seq.var. = ?

DNA(specification)—**SMARCD1 gene;****sequence variation**

name of component: SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 1

[NPU40210](#)

DNA(spec.)—SMARCD1 gene; seq.var. = ?

DNA(specification)—**SMARCD2 gene;****sequence variation**

name of component: SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 2

[NPU40211](#)

DNA(spec.)—SMARCD2 gene; seq.var. = ?

DNA(specification)—**SMARCD3 gene;****sequence variation**

name of component: SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 3

[NPU40212](#)

DNA(spec.)—SMARCD3 gene; seq.var. = ?

DNA(specification)—**SMARCE1 gene;****sequence variation**

name of component: SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily e, member 1

[NPU40213](#)

DNA(spec.)—SMARCE1 gene; seq.var. = ?

DNA(specification)—**SMARCF1 gene;****sequence variation**

name of component: SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily f, member 1

[NPU40214](#)

DNA(spec.)—SMARCF1 gene; seq.var. = ?

DNA(specification)—**SMC1L1 gene;****sequence variation**

name of component: SMC1 structural maintenance of chromosomes 1-like 1 (yeast)

[NPU40215](#)

DNA(spec.)—SMC1L1 gene; seq.var. = ?

DNA(specification)—**SMC1L2 gene;****sequence variation**

name of component: SMC1 structural maintenance of chromosomes 1-like 2 (yeast)

[NPU40216](#)

DNA(spec.)—SMC1L2 gene; seq.var. = ?

DNA(specification)—**SMC2L1 gene;****sequence variation**

name of component: SMC2 structural maintenance of chromosomes 2-like 1 (yeast)

[NPU42446](#)

DNA(spec.)—SMC2L1 gene; seq.var. = ?

DNA(specification)—**SMC4L1 gene;****sequence variation**

name of component: SMC4 structural maintenance of chromosomes 4-like 1 (yeast)

[NPU42447](#)

DNA(spec.)—SMC4L1 gene; seq.var. = ?

DNA(specification)—**SMC5L1 gene;****sequence variation**

name of component: SMC5 structural maintenance of chromosomes 5-like 1 (yeast)

[NPU47632](#)

DNA(spec.)—SMC5L1 gene; seq.var. = ?

DNA(specification)—**SMC6L1 gene;****sequence variation**

name of component: SMC6 structural maintenance of chromosomes 6-like 1 (yeast)

[NPU47633](#)

DNA(spec.)—SMC6L1 gene; seq.var. = ?

DNA(specification)—**SMCR gene;****sequence variation**

name of component: Smith-Magenis syndrome
chromosome region

[NPU40217](#)

DNA(spec.)—SMCR gene; seq.var. = ?

DNA(specification)—**SMCR2 gene;****sequence variation**

name of component: Smith-Magenis syndrome
chromosome region, candidate 2

[NPU46172](#)

DNA(spec.)—SMCR2 gene; seq.var. = ?

DNA(specification)—**SMCR3 gene;****sequence variation**

name of component: Smith-Magenis syndrome
chromosome region, candidate 3

[NPU46173](#)

DNA(spec.)—SMCR3 gene; seq.var. = ?

DNA(specification)—**SMCR4 gene;****sequence variation**

name of component: Smith-Magenis syndrome
chromosome region, candidate 4

[NPU46175](#)

DNA(spec.)—SMCR4 gene; seq.var. = ?

DNA(specification)—**SMCR5 gene;****sequence variation**

name of component: Smith-Magenis syndrome
chromosome region, candidate 5

[NPU46176](#)

DNA(spec.)—SMCR5 gene; seq.var. = ?

DNA(specification)—**SMCR6 gene;****sequence variation**

name of component: Smith-Magenis syndrome
chromosome region, candidate 6

[NPU46177](#)

DNA(spec.)—SMCR6 gene; seq.var. = ?

DNA(specification)—**SMCR7 gene;****sequence variation**

name of component: Smith-Magenis syndrome
chromosome region, candidate 7

[NPU46178](#)

DNA(spec.)—SMCR7 gene; seq.var. = ?

DNA(specification)—**SMCR8 gene;****sequence variation**

name of component: Smith-Magenis syndrome
chromosome region, candidate 8

[NPU46179](#)

DNA(spec.)—SMCR8 gene; seq.var. = ?

DNA(specification)—**SMCR9 gene;****sequence variation**

name of component: Smith-Magenis syndrome
chromosome region, candidate 9

[NPU46171](#)

DNA(spec.)—SMCR9 gene; seq.var. = ?

DNA(specification)—**SMCX gene;****sequence variation**

name of component: Smcx homolog, X chromo-
some (mouse)

[NPU40218](#)

DNA(spec.)—SMCX gene; seq.var. = ?

DNA(specification)—**SMCY gene;****sequence variation**

name of component: Smcy homolog, Y chromo-
some (mouse)

[NPU40219](#)

DNA(spec.)—SMCY gene; seq.var. = ?

DNA(specification)—**SMN1 gene;****sequence variation**

name of component: survival of motor neuron 1,
telomeric

[NPU19191](#)

DNA(spec.)—SMN1 gene; seq.var. = ?

DNA(specification)—**SMN2 gene;****sequence variation**

name of component: survival of motor neuron 2,
centromeric

[NPU40220](#)

DNA(spec.)—SMN2 gene; seq.var. = ?

DNA(specification)—**SMO gene;****sequence variation**

name of component: smoothened homolog (Droso-
phila)

[NPU40221](#)

DNA(spec.)—SMO gene; seq.var. = ?

DNA(specification)—**SMOC1 gene;****sequence variation**

name of component: SPARC related modular calcium binding 1

[NPU47551](#)

DNA(spec.)—SMOC1 gene; seq.var. = ?

DNA(specification)—**SMOC2 gene;****sequence variation**

name of component: SPARC related modular calcium binding 2

[NPU47554](#)

DNA(spec.)—SMOC2 gene; seq.var. = ?

DNA(specification)—**SMPD1 gene;****sequence variation**

name of component: sphingomyelin phosphodiesterase 1, acid lysosomal (acid sphingomyelinase)

[NPU19192](#)

DNA(spec.)—SMPD1 gene; seq.var. = ?

DNA(specification)—**SMPD2 gene;****sequence variation**

name of component: sphingomyelin phosphodiesterase 2, neutral membrane (neutral sphingomyelinase)

[NPU40222](#)

DNA(spec.)—SMPD2 gene; seq.var. = ?

DNA(specification)—**SMPD3 gene;****sequence variation**

name of component: sphingomyelin phosphodiesterase 3, neutral membrane (neutral sphingomyelinase II)

[NPU42608](#)

DNA(spec.)—SMPD3 gene; seq.var. = ?

DNA(specification)—**SMPX gene;****sequence variation**

name of component: small muscle protein, X-linked

[NPU40223](#)

DNA(spec.)—SMPX gene; seq.var. = ?

DNA(specification)—**SMS gene;****sequence variation**

name of component: spermine synthase

[NPU40224](#)

DNA(spec.)—SMS gene; seq.var. = ?

DNA(specification)—**SMT3H1 gene;****sequence variation**

name of component: SMT3 suppressor of mif two 3 homolog 1 (yeast)

[NPU40225](#)

DNA(spec.)—SMT3H1 gene; seq.var. = ?

DNA(specification)—**SMT3H2 gene;****sequence variation**

name of component: SMT3 suppressor of mif two 3 homolog 2 (yeast)

[NPU40226](#)

DNA(spec.)—SMT3H2 gene; seq.var. = ?

DNA(specification)—**SMT3H2P gene;****sequence variation**

name of component: SMT3 suppressor of mif two 3 homolog 2 (yeast) pseudogene

[NPU42427](#)

DNA(spec.)—SMT3H2P gene; seq.var. = ?

DNA(specification)—**SMTN gene;****sequence variation**

name of component: smoothelin

[NPU40227](#)

DNA(spec.)—SMTN gene; seq.var. = ?

DNA(specification)—**SMYD1 gene;****sequence variation**

name of component: SET and MYND domain containing 1

[NPU47815](#)

DNA(spec.)—SMYD1 gene; seq.var. = ?

DNA(specification)—**SMYD2 gene;****sequence variation**

name of component: SET and MYND domain containing 2

[NPU47812](#)

DNA(spec.)—SMYD2 gene; seq.var. = ?

DNA(specification)—**SMYD3 gene;****sequence variation**

name of component: SET and MYND domain containing 3

[NPU43710](#)

DNA(spec.)—SMYD3 gene; seq.var. = ?

DNA(specification)—**SMYD5 gene;****sequence variation**

name of component: SMYD family member 5

[NPU44298](#)

DNA(spec.)—SMYD5 gene; seq.var. = ?

DNA(specification)—**SN gene;****sequence variation**

name of component: sialoadhesin

[NPU40228](#)

DNA(spec.)—SN gene; seq.var. = ?

DNA(specification)—**SNAG1 gene;****sequence variation**

name of component: sorting nexin associated golgi protein 1

[NPU46932](#)

DNA(spec.)—SNAG1 gene; seq.var. = ?

DNA(specification)—**SNAI1 gene;****sequence variation**

name of component: snail homolog 1 (Drosophila)

[NPU40229](#)

DNA(spec.)—SNAI1 gene; seq.var. = ?

DNA(specification)—**SNAI1L1 gene;****sequence variation**

name of component: snail homolog 1 like 1 (Drosophila)

[NPU40230](#)

DNA(spec.)—SNAI1L1 gene; seq.var. = ?

DNA(specification)—**SNAI2 gene;****sequence variation**

name of component: snail homolog 2 (Drosophila)

[NPU40199](#)

DNA(spec.)—SNAI2 gene; seq.var. = ?

DNA(specification)—**SNAI3 gene;****sequence variation**

name of component: snail homolog 3 (Drosophila)

[NPU46456](#)

DNA(spec.)—SNAI3 gene; seq.var. = ?

DNA(specification)—**SNAP23 gene;****sequence variation**

name of component: synaptosomal-associated protein, 23 kDa

[NPU40231](#)

DNA(spec.)—SNAP23 gene; seq.var. = ?

DNA(specification)—**SNAP23P gene;****sequence variation**

name of component: synaptosomal-associated protein, 23 kDa pseudogene

[NPU44542](#)

DNA(spec.)—SNAP23P gene; seq.var. = ?

DNA(specification)—**SNAP25 gene;****sequence variation**

name of component: synaptosomal-associated protein, 25 kDa

[NPU40232](#)

DNA(spec.)—SNAP25 gene; seq.var. = ?

DNA(specification)—**SNAP29 gene;****sequence variation**

name of component: synaptosomal-associated protein, 29 kDa

[NPU40233](#)

DNA(spec.)—SNAP29 gene; seq.var. = ?

DNA(specification)—**SNAP91 gene;****sequence variation**

name of component: synaptosomal-associated protein, 91 kDa homolog (mouse)

[NPU43223](#)

DNA(spec.)—SNAP91 gene; seq.var. = ?

DNA(specification)—**SNAPC1 gene;****sequence variation**

name of component: small nuclear RNA activating complex, polypeptide 1, 43 kDa

[NPU40234](#)

DNA(spec.)—SNAPC1 gene; seq.var. = ?

DNA(specification)—**SNAPC2 gene;****sequence variation**

name of component: small nuclear RNA activating complex, polypeptide 2, 45 kDa

[NPU40235](#)

DNA(spec.)—SNAPC2 gene; seq.var. = ?

DNA(specification)—**SNAPC3 gene;****sequence variation**

name of component: small nuclear RNA activating complex, polypeptide 3, 50 kDa

[NPU40236](#)

DNA(spec.)—SNAPC3 gene; seq.var. = ?

DNA(specification)—**SNAPC4 gene;****sequence variation**

name of component: small nuclear RNA activating complex, polypeptide 4, 190 kDa

[NPU40237](#)

DNA(spec.)—SNAPC4 gene; seq.var. = ?

DNA(specification)—**SNAPC5 gene;****sequence variation**

name of component: small nuclear RNA activating complex, polypeptide 5, 19 kDa

[NPU43696](#)

DNA(spec.)—SNAPC5 gene; seq.var. = ?

DNA(specification)—**SNCA gene;****sequence variation**

name of component: synuclein, alpha (non A4 component of amyloid precursor)

[NPU19193](#)

DNA(spec.)—SNCA gene; seq.var. = ?

DNA(specification)—**SNCAIP gene;****sequence variation**

name of component: synuclein, alpha interacting protein (synphilin)

[NPU40238](#)

DNA(spec.)—SNCAIP gene; seq.var. = ?

DNA(specification)—**SNCB gene;****sequence variation**

name of component: synuclein, beta

[NPU40239](#)

DNA(spec.)—SNCB gene; seq.var. = ?

DNA(specification)—**SNCG gene;****sequence variation**

name of component: synuclein, gamma (breast cancer-specific protein 1)

[NPU40240](#)

DNA(spec.)—SNCG gene; seq.var. = ?

DNA(specification)—**SNF1LK gene;****sequence variation**

name of component: SNF1-like kinase

[NPU40241](#)

DNA(spec.)—SNF1LK gene; seq.var. = ?

DNA(specification)—**SNN gene;****sequence variation**

name of component: stannin

[NPU40243](#)

DNA(spec.)—SNN gene; seq.var. = ?

DNA(specification)—**SNPH gene;****sequence variation**

name of component: syntaphilin

[NPU44012](#)

DNA(spec.)—SNPH gene; seq.var. = ?

DNA(specification)—**SNRP70 gene;****sequence variation**

name of component: small nuclear ribonucleoprotein 70 kDa polypeptide (RNP antigen)

[NPU40244](#)

DNA(spec.)—SNRP70 gene; seq.var. = ?

DNA(specification)—**SNRPA gene;****sequence variation**

name of component: small nuclear ribonucleoprotein polypeptide A

[NPU40245](#)

DNA(spec.)—SNRPA gene; seq.var. = ?

DNA(specification)—**SNRPA1 gene;****sequence variation**

name of component: small nuclear ribonucleoprotein polypeptide A'

[NPU40246](#)

DNA(spec.)—SNRPA1 gene; seq.var. = ?

DNA(specification)—**SNRPB gene;****sequence variation**

name of component: small nuclear ribonucleoprotein polypeptides B and B1

[NPU40247](#)

DNA(spec.)—SNRPB gene; seq.var. = ?

DNA(specification)—**SNRPB2 gene;****sequence variation**

name of component: small nuclear ribonucleoprotein polypeptide B''

[NPU40248](#)

DNA(spec.)—SNRPB2 gene; seq.var. = ?

DNA(specification)—**SNRPBL1 gene;****sequence variation**

name of component: small nuclear ribonucleoprotein polypeptide B-like 1

[NPU40249](#)

DNA(spec.)—SNRPBL1 gene; seq.var. = ?

DNA(specification)—**SNRPC gene;****sequence variation**

name of component: small nuclear ribonucleoprotein polypeptide C

[NPU40250](#)

DNA(spec.)—SNRPC gene; seq.var. = ?

DNA(specification)—**SNRPD1 gene;****sequence variation**

name of component: small nuclear ribonucleoprotein D1 polypeptide 16 kDa

[NPU40251](#)

DNA(spec.)—SNRPD1 gene; seq.var. = ?

DNA(specification)—**SNRPD2 gene;****sequence variation**

name of component: small nuclear ribonucleoprotein D2 polypeptide 16.5 kDa

[NPU40252](#)

DNA(spec.)—SNRPD2 gene; seq.var. = ?

DNA(specification)—**SNRPD3 gene;****sequence variation**

name of component: small nuclear ribonucleoprotein D3 polypeptide 18 kDa

[NPU40253](#)

DNA(spec.)—SNRPD3 gene; seq.var. = ?

DNA(specification)—**SNRPE gene;****sequence variation**

name of component: small nuclear ribonucleoprotein polypeptide E

[NPU40254](#)

DNA(spec.)—SNRPE gene; seq.var. = ?

DNA(specification)—**SNRPF gene;****sequence variation**

name of component: small nuclear ribonucleoprotein polypeptide F

[NPU40255](#)

DNA(spec.)—SNRPF gene; seq.var. = ?

DNA(specification)—**SNRPFP1 gene;****sequence variation**

name of component: small nuclear ribonucleoprotein polypeptide F pseudogene 1

[NPU44532](#)

DNA(spec.)—SNRPFP1 gene; seq.var. = ?

DNA(specification)—**SNRPG gene;****sequence variation**

name of component: small nuclear ribonucleoprotein polypeptide G

[NPU40256](#)

DNA(spec.)—SNRPG gene; seq.var. = ?

DNA(specification)—**SNRPGP gene;****sequence variation**

name of component: small nuclear ribonucleoprotein polypeptide G pseudogene

[NPU47377](#)

DNA(spec.)—SNRPGP gene; seq.var. = ?

DNA(specification)—**SNRPN gene;****sequence variation**

name of component: small nuclear ribonucleoprotein polypeptide N

[NPU19194](#)

DNA(spec.)—SNRPN gene; seq.var. = ?

DNA(specification)—**SNRPNP1 gene;****sequence variation**

name of component: small nuclear ribonucleoprotein polypeptide N pseudogene 1

[NPU40257](#)

DNA(spec.)—SNRPNP1 gene; seq.var. = ?

DNA(specification)—**SNTA1 gene;****sequence variation**

name of component: syntrophin, alpha 1 (dystrophin-associated protein A1, 59 kDa, acidic component)

[NPU40258](#)

DNA(spec.)—SNTA1 gene; seq.var. = ?

DNA(specification)—**SNTB1 gene;****sequence variation**

name of component: syntrophin, beta 1 (dystrophin-associated protein A1, 59 kDa, basic component 1)

[NPU40259](#)

DNA(spec.)—SNTB1 gene; seq.var. = ?

DNA(specification)—**SNTB2 gene;****sequence variation**

name of component: syntrophin, beta 2 (dystrophin-associated protein A1, 59 kDa, basic component 2)

[NPU40260](#)

DNA(spec.)—SNTB2 gene; seq.var. = ?

DNA(specification)—
SNTG1 gene;
sequence variation
name of component: syntrophin, gamma 1
[NPU42302](#)
DNA(spec.)—SNTG1 gene; seq.var. = ?

DNA(specification)—
SNTG2 gene;
sequence variation
name of component: syntrophin, gamma 2
[NPU42303](#)
DNA(spec.)—SNTG2 gene; seq.var. = ?

DNA(specification)—
SNURF gene;
sequence variation
name of component: SNRPN upstream reading frame
[NPU40261](#)
DNA(spec.)—SNURF gene; seq.var. = ?

DNA(specification)—
SNX1 gene;
sequence variation
name of component: sorting nexin 1
[NPU40262](#)
DNA(spec.)—SNX1 gene; seq.var. = ?

DNA(specification)—
SNX10 gene;
sequence variation
name of component: sorting nexin 10
[NPU43214](#)
DNA(spec.)—SNX10 gene; seq.var. = ?

DNA(specification)—
SNX11 gene;
sequence variation
name of component: sorting nexin 11
[NPU43215](#)
DNA(spec.)—SNX11 gene; seq.var. = ?

DNA(specification)—
SNX12 gene;
sequence variation
name of component: sorting nexin 12
[NPU43216](#)
DNA(spec.)—SNX12 gene; seq.var. = ?

DNA(specification)—
SNX15 gene;
sequence variation
name of component: sorting nexin 15
[NPU43217](#)
DNA(spec.)—SNX15 gene; seq.var. = ?

DNA(specification)—
SNX17 gene;
sequence variation
name of component: sorting nexin 17
[NPU43218](#)
DNA(spec.)—SNX17 gene; seq.var. = ?

DNA(specification)—
SNX2 gene;
sequence variation
name of component: sorting nexin 2
[NPU40263](#)
DNA(spec.)—SNX2 gene; seq.var. = ?

DNA(specification)—
SNX3 gene;
sequence variation
name of component: sorting nexin 3
[NPU40264](#)
DNA(spec.)—SNX3 gene; seq.var. = ?

DNA(specification)—
SNX4 gene;
sequence variation
name of component: sorting nexin 4
[NPU40265](#)
DNA(spec.)—SNX4 gene; seq.var. = ?

DNA(specification)—
SNX5 gene;
sequence variation
name of component: sorting nexin 5
[NPU43209](#)
DNA(spec.)—SNX5 gene; seq.var. = ?

DNA(specification)—
SNX6 gene;
sequence variation
name of component: sorting nexin 6
[NPU43210](#)
DNA(spec.)—SNX6 gene; seq.var. = ?

DNA(specification)—
SNX7 gene;
sequence variation
name of component: sorting nexin 7
[NPU43211](#)
DNA(spec.)—SNX7 gene; seq.var. = ?

DNA(specification)—
SNX8 gene;
sequence variation
name of component: sorting nexin 8
[NPU43212](#)
DNA(spec.)—SNX8 gene; seq.var. = ?

DNA(specification)—**SNX9 gene;****sequence variation**

name of component: sorting nexin 9

[NPU43213](#)

DNA(spec.)—SNX9 gene; seq.var. = ?

DNA(specification)—**SOAT1 gene;****sequence variation**

name of component: sterol O-acyltransferase (acyl-Coenzyme A: cholesterol acyltransferase) 1

[NPU40266](#)

DNA(spec.)—SOAT1 gene; seq.var. = ?

DNA(specification)—**SOAT2 gene;****sequence variation**

name of component: sterol O-acyltransferase 2

[NPU40267](#)

DNA(spec.)—SOAT2 gene; seq.var. = ?

DNA(specification)—**SOCS1 gene;****sequence variation**

name of component: suppressor of cytokine signaling 1

[NPU47006](#)

DNA(spec.)—SOCS1 gene; seq.var. = ?

DNA(specification)—**SOCS2 gene;****sequence variation**

name of component: suppressor of cytokine signaling 2

[NPU47005](#)

DNA(spec.)—SOCS2 gene; seq.var. = ?

DNA(specification)—**SOCS2P1 gene;****sequence variation**

name of component: suppressor of cytokine signaling 2 pseudogene 1

[NPU44122](#)

DNA(spec.)—SOCS2P1 gene; seq.var. = ?

DNA(specification)—**SOCS2P2 gene;****sequence variation**

name of component: suppressor of cytokine signaling 2 pseudogene 2

[NPU46978](#)

DNA(spec.)—SOCS2P2 gene; seq.var. = ?

DNA(specification)—**SOCS3 gene;****sequence variation**

name of component: suppressor of cytokine signaling 3

[NPU47010](#)

DNA(spec.)—SOCS3 gene; seq.var. = ?

DNA(specification)—**SOCS4 gene;****sequence variation**

name of component: suppressor of cytokine signaling 4

[NPU44729](#)

DNA(spec.)—SOCS4 gene; seq.var. = ?

DNA(specification)—**SOCS5 gene;****sequence variation**

name of component: suppressor of cytokine signaling 5

[NPU44740](#)

DNA(spec.)—SOCS5 gene; seq.var. = ?

DNA(specification)—**SOCS7 gene;****sequence variation**

name of component: suppressor of cytokine signaling 7

[NPU47011](#)

DNA(spec.)—SOCS7 gene; seq.var. = ?

DNA(specification)—**SOD1 gene;****sequence variation**

name of component: superoxide dismutase 1, soluble (amyotrophic lateral sclerosis 1 (adult))

[NPU40268](#)

DNA(spec.)—SOD1 gene; seq.var. = ?

DNA(specification)—**SOD2 gene;****sequence variation**

name of component: superoxide dismutase 2, mitochondrial

[NPU40269](#)

DNA(spec.)—SOD2 gene; seq.var. = ?

DNA(specification)—**SOD3 gene;****sequence variation**

name of component: superoxide dismutase 3, extracellular

[NPU40270](#)

DNA(spec.)—SOD3 gene; seq.var. = ?

DNA(specification)—**SOLH gene;****sequence variation**

name of component: small optic lobes homolog
(Drosophila)

[NPU40271](#)

DNA(spec.)—SOLH gene; seq.var. = ?

DNA(specification)—**SON gene;****sequence variation**

name of component: SON DNA binding protein

[NPU40272](#)

DNA(spec.)—SON gene; seq.var. = ?

DNA(specification)—**SORBS1 gene;****sequence variation**

name of component: sorbin and SH3 domain containing 1

[NPU42866](#)

DNA(spec.)—SORBS1 gene; seq.var. = ?

DNA(specification)—**SORD gene;****sequence variation**

name of component: sorbitol dehydrogenase

[NPU40273](#)

DNA(spec.)—SORD gene; seq.var. = ?

DNA(specification)—**SORL1 gene;****sequence variation**

name of component: sortilin-related receptor,
L(DLR class) A repeats-containing

[NPU40274](#)

DNA(spec.)—SORL1 gene; seq.var. = ?

DNA(specification)—**SORT1 gene;****sequence variation**

name of component: sortilin 1

[NPU40275](#)

DNA(spec.)—SORT1 gene; seq.var. = ?

DNA(specification)—**SOS1 gene;****sequence variation**

name of component: son of sevenless homolog 1
(Drosophila)

[NPU40276](#)

DNA(spec.)—SOS1 gene; seq.var. = ?

DNA(specification)—**SOS2 gene;****sequence variation**

name of component: son of sevenless homolog 2
(Drosophila)

[NPU40277](#)

DNA(spec.)—SOS2 gene; seq.var. = ?

DNA(specification)—**SOST gene;****sequence variation**

name of component: sclerosteosis

[NPU42319](#)

DNA(spec.)—SOST gene; seq.var. = ?

DNA(specification)—**SOX1 gene;****sequence variation**

name of component: SRY (sex determining region
Y)-box 1

[NPU40278](#)

DNA(spec.)—SOX1 gene; seq.var. = ?

DNA(specification)—**SOX10 gene;****sequence variation**

name of component: SRY (sex determining region
Y)-box 10

[NPU40279](#)

DNA(spec.)—SOX10 gene; seq.var. = ?

DNA(specification)—**SOX11 gene;****sequence variation**

name of component: SRY (sex determining region
Y)-box 11

[NPU40280](#)

DNA(spec.)—SOX11 gene; seq.var. = ?

DNA(specification)—**SOX12 gene;****sequence variation**

name of component: SRY (sex determining region
Y)-box 12

[NPU40287](#)

DNA(spec.)—SOX12 gene; seq.var. = ?

DNA(specification)—**SOX13 gene;****sequence variation**

name of component: SRY (sex determining region
Y)-box 13

[NPU40281](#)

DNA(spec.)—SOX13 gene; seq.var. = ?

DNA(specification)—**SOX14 gene;****sequence variation**

name of component: SRY (sex determining region
Y)-box 14

[NPU40282](#)

DNA(spec.)—SOX14 gene; seq.var. = ?

DNA(specification)—**SOX15 gene;****sequence variation**

name of component: SRY (sex determining region Y)-box 15

[NPU40285](#)

DNA(spec.)—SOX15 gene; seq.var. = ?

DNA(specification)—**SOX17 gene;****sequence variation**

name of component: SRY (sex determining region Y)-box 17

[NPU46310](#)

DNA(spec.)—SOX17 gene; seq.var. = ?

DNA(specification)—**SOX18 gene;****sequence variation**

name of component: SRY (sex determining region Y)-box 18

[NPU40283](#)

DNA(spec.)—SOX18 gene; seq.var. = ?

DNA(specification)—**SOX2 gene;****sequence variation**

name of component: SRY (sex determining region Y)-box 2

[NPU40284](#)

DNA(spec.)—SOX2 gene; seq.var. = ?

DNA(specification)—**SOX21 gene;****sequence variation**

name of component: SRY (sex determining region Y)-box 21

[NPU40286](#)

DNA(spec.)—SOX21 gene; seq.var. = ?

DNA(specification)—**SOX3 gene;****sequence variation**

name of component: SRY (sex determining region Y)-box 3

[NPU40288](#)

DNA(spec.)—SOX3 gene; seq.var. = ?

DNA(specification)—**SOX4 gene;****sequence variation**

name of component: SRY (sex determining region Y)-box 4

[NPU40289](#)

DNA(spec.)—SOX4 gene; seq.var. = ?

DNA(specification)—**SOX5 gene;****sequence variation**

name of component: SRY (sex determining region Y)-box 5

[NPU40290](#)

DNA(spec.)—SOX5 gene; seq.var. = ?

DNA(specification)—**SOX5P gene;****sequence variation**

name of component: SRY (sex determining region Y)-box 5 pseudogene

[NPU40291](#)

DNA(spec.)—SOX5P gene; seq.var. = ?

DNA(specification)—**SOX6 gene;****sequence variation**

name of component: SRY (sex determining region Y)-box 6

[NPU44424](#)

DNA(spec.)—SOX6 gene; seq.var. = ?

DNA(specification)—**SOX7 gene;****sequence variation**

name of component: SRY (sex determining region Y)-box 7

[NPU46345](#)

DNA(spec.)—SOX7 gene; seq.var. = ?

DNA(specification)—**SOX8 gene;****sequence variation**

name of component: SRY (sex determining region Y)-box 8

[NPU40292](#)

DNA(spec.)—SOX8 gene; seq.var. = ?

DNA(specification)—**SOX9 gene;****sequence variation**

name of component: SRY (sex determining region Y)-box 9 (campomelic dysplasia, autosomal sex-reversal)

[NPU40293](#)

DNA(spec.)—SOX9 gene; seq.var. = ?

DNA(specification)—**SP1 gene;****sequence variation**

name of component: Sp1 transcription factor

[NPU40294](#)

DNA(spec.)—SP1 gene; seq.var. = ?

DNA(specification)—**SP100 gene;****sequence variation**

name of component: nuclear antigen Sp100

[NPU40295](#)

DNA(spec.)—SP100 gene; seq.var. = ?

DNA(specification)—**SP110 gene;****sequence variation**

name of component: SP110 nuclear body protein

[NPU34355](#)

DNA(spec.)—SP110 gene; seq.var. = ?

DNA(specification)—**SP140 gene;****sequence variation**

name of component: SP140 nuclear body protein

[NPU44873](#)

DNA(spec.)—SP140 gene; seq.var. = ?

DNA(specification)—**SP2 gene;****sequence variation**

name of component: Sp2 transcription factor

[NPU40296](#)

DNA(spec.)—SP2 gene; seq.var. = ?

DNA(specification)—**SP3 gene;****sequence variation**

name of component: Sp3 transcription factor

[NPU40297](#)

DNA(spec.)—SP3 gene; seq.var. = ?

DNA(specification)—**SP4 gene;****sequence variation**

name of component: Sp4 transcription factor

[NPU40298](#)

DNA(spec.)—SP4 gene; seq.var. = ?

DNA(specification)—**SP6 gene;****sequence variation**

name of component: Sp6 transcription factor

[NPU42837](#)

DNA(spec.)—SP6 gene; seq.var. = ?

DNA(specification)—**SP7 gene;****sequence variation**

name of component: Sp7 transcription factor

[NPU44976](#)

DNA(spec.)—SP7 gene; seq.var. = ?

DNA(specification)—**SP8 gene;****sequence variation**

name of component: Sp8 transcription factor

[NPU46915](#)

DNA(spec.)—SP8 gene; seq.var. = ?

DNA(specification)—**SPA17 gene;****sequence variation**

name of component: sperm autoantigenic protein 17

[NPU40299](#)

DNA(spec.)—SPA17 gene; seq.var. = ?

DNA(specification)—**SPACA1 gene;****sequence variation**

name of component: sperm acrosome associated 1

[NPU43207](#)

DNA(spec.)—SPACA1 gene; seq.var. = ?

DNA(specification)—**SPACA3 gene;****sequence variation**

name of component: sperm acrosome associated 3

[NPU44300](#)

DNA(spec.)—SPACA3 gene; seq.var. = ?

DNA(specification)—**SPACA4 gene;****sequence variation**

name of component: sperm acrosome associated 4

[NPU44440](#)

DNA(spec.)—SPACA4 gene; seq.var. = ?

DNA(specification)—**SPACR gene;****sequence variation**

name of component: sialoprotein associated with cones and rods

[NPU40300](#)

DNA(spec.)—SPACR gene; seq.var. = ?

DNA(specification)—**SPAG1 gene;****sequence variation**

name of component: sperm associated antigen 1

[NPU40301](#)

DNA(spec.)—SPAG1 gene; seq.var. = ?

DNA(specification)—**SPAG10 gene;****sequence variation**

name of component: sperm associated antigen 10

[NPU42836](#)

DNA(spec.)—SPAG10 gene; seq.var. = ?

DNA(specification)—
SPAG11 gene;
sequence variation
name of component: sperm associated antigen 11
[NPU42841](#)
DNA(spec.)—SPAG11 gene; seq.var. = ?

DNA(specification)—
SPAG4 gene;
sequence variation
name of component: sperm associated antigen 4
[NPU40302](#)
DNA(spec.)—SPAG4 gene; seq.var. = ?

DNA(specification)—
SPAG4L gene;
sequence variation
name of component: sperm associated antigen 4-like
[NPU44292](#)
DNA(spec.)—SPAG4L gene; seq.var. = ?

DNA(specification)—
SPAG5 gene;
sequence variation
name of component: sperm associated antigen 5
[NPU42140](#)
DNA(spec.)—SPAG5 gene; seq.var. = ?

DNA(specification)—
SPAG6 gene;
sequence variation
name of component: sperm associated antigen 6
[NPU40303](#)
DNA(spec.)—SPAG6 gene; seq.var. = ?

DNA(specification)—
SPAG7 gene;
sequence variation
name of component: sperm associated antigen 7
[NPU40304](#)
DNA(spec.)—SPAG7 gene; seq.var. = ?

DNA(specification)—
SPAG8 gene;
sequence variation
name of component: sperm associated antigen 8
[NPU42513](#)
DNA(spec.)—SPAG8 gene; seq.var. = ?

DNA(specification)—
SPAG9 gene;
sequence variation
name of component: sperm associated antigen 9
[NPU42833](#)
DNA(spec.)—SPAG9 gene; seq.var. = ?

DNA(specification)—
SPAM1 gene;
sequence variation
name of component: sperm adhesion molecule 1
(PH-20 hyaluronidase, zona pellucida binding)
[NPU40305](#)
DNA(spec.)—SPAM1 gene; seq.var. = ?

DNA(specification)—
SPANXA1 gene;
sequence variation
name of component: sperm protein associated with the nucleus, X chromosome, family member A1
[NPU40306](#)
DNA(spec.)—SPANXA1 gene; seq.var. = ?

DNA(specification)—
SPANXA2 gene;
sequence variation
name of component: SPANX family, member A2
[NPU42672](#)
DNA(spec.)—SPANXA2 gene; seq.var. = ?

DNA(specification)—
SPANXB1 gene;
sequence variation
name of component: SPANX family, member B1
[NPU42673](#)
DNA(spec.)—SPANXB1 gene; seq.var. = ?

DNA(specification)—
SPANXB2 gene;
sequence variation
name of component: SPANX family, member B2
[NPU42674](#)
DNA(spec.)—SPANXB2 gene; seq.var. = ?

DNA(specification)—
SPANXC gene;
sequence variation
name of component: SPANX family, member C
[NPU42675](#)
DNA(spec.)—SPANXC gene; seq.var. = ?

DNA(specification)—
SPANXD gene;
sequence variation
name of component: SPANX family, member D
[NPU42676](#)
DNA(spec.)—SPANXD gene; seq.var. = ?

DNA(specification)—
SPANXE gene;
sequence variation
name of component: SPANX family, member E
[NPU46453](#)
DNA(spec.)—SPANXE gene; seq.var. = ?

DNA(specification)—
SPANXF1 gene;
sequence variation
name of component: SPANX family, member F1
[NPU46454](#)
DNA(spec.)—SPANXF1 gene; seq.var. = ?

DNA(specification)—
SPANXF2 gene;
sequence variation
name of component: SPANX family, member F2
[NPU46466](#)
DNA(spec.)—SPANXF2 gene; seq.var. = ?

DNA(specification)—
SPAP1 gene;
sequence variation
name of component: SH2 domain containing phosphatase anchor protein 1
[NPU43132](#)
DNA(spec.)—SPAP1 gene; seq.var. = ?

DNA(specification)—
SPAR gene;
sequence variation
name of component: surfactant protein A binding protein
[NPU44368](#)
DNA(spec.)—SPAR gene; seq.var. = ?

DNA(specification)—
SPARC gene;
sequence variation
name of component: secreted protein, acidic, cysteine-rich (osteonectin)
[NPU40307](#)
DNA(spec.)—SPARC gene; seq.var. = ?

DNA(specification)—
SPARCL1 gene;
sequence variation
name of component: SPARC-like 1 (mast9, hev1)
[NPU40308](#)
DNA(spec.)—SPARCL1 gene; seq.var. = ?

DNA(specification)—
SPATA1 gene;
sequence variation
name of component: spermatogenesis associated 1
[NPU42944](#)
DNA(spec.)—SPATA1 gene; seq.var. = ?

DNA(specification)—
SPATA2 gene;
sequence variation
name of component: spermatogenesis associated 2
[NPU42943](#)
DNA(spec.)—SPATA2 gene; seq.var. = ?

DNA(specification)—
SPATA3 gene;
sequence variation
name of component: spermatogenesis associated 3
[NPU46162](#)
DNA(spec.)—SPATA3 gene; seq.var. = ?

DNA(specification)—
SPATA4 gene;
sequence variation
name of component: spermatogenesis associated 4
[NPU44983](#)
DNA(spec.)—SPATA4 gene; seq.var. = ?

DNA(specification)—
SPATA5 gene;
sequence variation
name of component: spermatogenesis associated 5
[NPU46307](#)
DNA(spec.)—SPATA5 gene; seq.var. = ?

DNA(specification)—
SPATA6 gene;
sequence variation
name of component: spermatogenesis associated 6
[NPU46394](#)
DNA(spec.)—SPATA6 gene; seq.var. = ?

DNA(specification)—
SPATA7 gene;
sequence variation
name of component: spermatogenesis associated 7
[NPU47614](#)
DNA(spec.)—SPATA7 gene; seq.var. = ?

DNA(specification)—
SPESP1 gene;
sequence variation
name of component: sperm equatorial segment protein 1
[NPU43747](#)
DNA(spec.)—SPESP1 gene; seq.var. = ?

DNA(specification)—
SPG10 gene;
sequence variation
name of component: spastic paraplegia 10 (autosomal dominant)
[NPU40309](#)
DNA(spec.)—SPG10 gene; seq.var. = ?

DNA(specification)—
SPG11 gene;
sequence variation
name of component: spastic paraplegia 11 (autosomal recessive)
[NPU40310](#)
DNA(spec.)—SPG11 gene; seq.var. = ?

DNA(specification)—**SPG12 gene;****sequence variation**

name of component: spastic paraplegia 12 (autosomal dominant)

[NPU40311](#)

DNA(spec.)—SPG12 gene; seq.var. = ?

DNA(specification)—**SPG13 gene;****sequence variation**

name of component: spastic paraplegia 13 (autosomal dominant)

[NPU40312](#)

DNA(spec.)—SPG13 gene; seq.var. = ?

DNA(specification)—**SPG14 gene;****sequence variation**

name of component: spastic paraplegia 14 (autosomal recessive)

[NPU42295](#)

DNA(spec.)—SPG14 gene; seq.var. = ?

DNA(specification)—**SPG15 gene;****sequence variation**

name of component: spastic paraplegia 15 (complicated, autosomal recessive)

[NPU40313](#)

DNA(spec.)—SPG15 gene; seq.var. = ?

DNA(specification)—**SPG16 gene;****sequence variation**

name of component: spastic paraplegia 16 (complicated, X-linked recessive)

[NPU42627](#)

DNA(spec.)—SPG16 gene; seq.var. = ?

DNA(specification)—**SPG17 gene;****sequence variation**

name of component: spastic paraplegia 17 (Silver syndrome)

[NPU42238](#)

DNA(spec.)—SPG17 gene; seq.var. = ?

DNA(specification)—**SPG18 gene;****sequence variation**

name of component: spastic paraplegia 18 (autosomal dominant)

[NPU46225](#)

DNA(spec.)—SPG18 gene; seq.var. = ?

DNA(specification)—**SPG19 gene;****sequence variation**

name of component: spastic paraplegia 19 (autosomal dominant)

[NPU44648](#)

DNA(spec.)—SPG19 gene; seq.var. = ?

DNA(specification)—**SPG20 gene;****sequence variation**

name of component: spastic paraplegia 20, spartin (Troyer syndrome)

[NPU46511](#)

DNA(spec.)—SPG20 gene; seq.var. = ?

DNA(specification)—**SPG3A gene;****sequence variation**

name of component: spastic paraplegia 3A (autosomal dominant)

[NPU19195](#)

DNA(spec.)—SPG3A gene; seq.var. = ?

DNA(specification)—**SPG3B gene;****sequence variation**

name of component: spastic paraplegia 3B

[NPU40314](#)

DNA(spec.)—SPG3B gene; seq.var. = ?

DNA(specification)—**SPG4 gene;****sequence variation**

name of component: spastic paraplegia 4 (autosomal dominant; spastin)

[NPU40315](#)

DNA(spec.)—SPG4 gene; seq.var. = ?

DNA(specification)—**SPG5A gene;****sequence variation**

name of component: spastic paraplegia 5A (autosomal recessive)

[NPU40316](#)

DNA(spec.)—SPG5A gene; seq.var. = ?

DNA(specification)—**SPG5B gene;****sequence variation**

name of component: spastic paraplegia 5B (autosomal recessive)

[NPU40317](#)

DNA(spec.)—SPG5B gene; seq.var. = ?

DNA(specification)—**SPG6 gene;****sequence variation**

name of component: spastic paraplegia 6 (autosomal dominant)

[NPU40318](#)

DNA(spec.)—SPG6 gene; seq.var. = ?

DNA(specification)—**SPG7 gene;****sequence variation**

name of component: spastic paraplegia 7, paraplegin (pure and complicated autosomal recessive)

[NPU40319](#)

DNA(spec.)—SPG7 gene; seq.var. = ?

DNA(specification)—**SPG8 gene;****sequence variation**

name of component: spastic paraplegia 8 (autosomal dominant)

[NPU40320](#)

DNA(spec.)—SPG8 gene; seq.var. = ?

DNA(specification)—**SPG9 gene;****sequence variation**

name of component: spastic paraplegia 9 (autosomal dominant)

[NPU40321](#)

DNA(spec.)—SPG9 gene; seq.var. = ?

DNA(specification)—**SPHK1 gene;****sequence variation**

name of component: sphingosine kinase 1

[NPU40322](#)

DNA(spec.)—SPHK1 gene; seq.var. = ?

DNA(specification)—**SPHK2 gene;****sequence variation**

name of component: sphingosine kinase 2

[NPU46709](#)

DNA(spec.)—SPHK2 gene; seq.var. = ?

DNA(specification)—**SPI1 gene;****sequence variation**

name of component: spleen focus forming virus (SFFV) proviral integration oncogene spi1

[NPU40323](#)

DNA(spec.)—SPI1 gene; seq.var. = ?

DNA(specification)—**SPIB gene;****sequence variation**

name of component: Spi-B transcription factor (Spi-1/PU.1 related)

[NPU40324](#)

DNA(spec.)—SPIB gene; seq.var. = ?

DNA(specification)—**SPIN gene;****sequence variation**

name of component: spindlin

[NPU40325](#)

DNA(spec.)—SPIN gene; seq.var. = ?

DNA(specification)—**SPINK1 gene;****sequence variation**

name of component: serine protease inhibitor, Kazal type 1

[NPU40326](#)

DNA(spec.)—SPINK1 gene; seq.var. = ?

DNA(specification)—**SPINK2 gene;****sequence variation**

name of component: serine protease inhibitor, Kazal type, 2 (acrosin-trypsin inhibitor)

[NPU40327](#)

DNA(spec.)—SPINK2 gene; seq.var. = ?

DNA(specification)—**SPINK4 gene;****sequence variation**

name of component: serine protease inhibitor, Kazal type 4

[NPU44614](#)

DNA(spec.)—SPINK4 gene; seq.var. = ?

DNA(specification)—**SPINK5 gene;****sequence variation**

name of component: serine protease inhibitor, Kazal type, 5

[NPU43679](#)

DNA(spec.)—SPINK5 gene; seq.var. = ?

DNA(specification)—**SPINLW1 gene;****sequence variation**

name of component: serine protease inhibitor-like, with Kunitz and WAP domains 1 (eppin)

[NPU44013](#)

DNA(spec.)—SPINLW1 gene; seq.var. = ?

DNA(specification)—**SPINT1 gene;****sequence variation**

name of component: serine protease inhibitor, Kunitz type 1

[NPU40328](#)

DNA(spec.)—SPINT1 gene; seq.var. = ?

DNA(specification)—**SPINT2 gene;****sequence variation**

name of component: serine protease inhibitor, Kunitz type, 2

[NPU40329](#)

DNA(spec.)—SPINT2 gene; seq.var. = ?

DNA(specification)—**SPINT3 gene;****sequence variation**

name of component: serine protease inhibitor, Kunitz type, 3

[NPU40330](#)

DNA(spec.)—SPINT3 gene; seq.var. = ?

DNA(specification)—**SPN gene;****sequence variation**

name of component: sialophorin (gpL115, leukosialin, CD43)

[NPU40331](#)

DNA(spec.)—SPN gene; seq.var. = ?

DNA(specification)—**SPO11 gene;****sequence variation**

name of component: SPO11 meiotic protein covalently bound to DSB-like (*S. cerevisiae*)

[NPU40332](#)

DNA(spec.)—SPO11 gene; seq.var. = ?

DNA(specification)—**SPOCK gene;****sequence variation**

name of component: sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican)

[NPU40333](#)

DNA(spec.)—SPOCK gene; seq.var. = ?

DNA(specification)—**SPOCK2 gene;****sequence variation**

name of component: sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 2

[NPU42197](#)

DNA(spec.)—SPOCK2 gene; seq.var. = ?

DNA(specification)—**SPOCK3 gene;****sequence variation**

name of component: sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 3

[NPU42198](#)

DNA(spec.)—SPOCK3 gene; seq.var. = ?

DNA(specification)—**SPON1 gene;****sequence variation**

name of component: spondin 1, (f-spondin) extracellular matrix protein

[NPU40334](#)

DNA(spec.)—SPON1 gene; seq.var. = ?

DNA(specification)—**SPON2 gene;****sequence variation**

name of component: spondin 2, extracellular matrix protein

[NPU40335](#)

DNA(spec.)—SPON2 gene; seq.var. = ?

DNA(specification)—**SPOP gene;****sequence variation**

name of component: speckle-type POZ protein

[NPU40336](#)

DNA(spec.)—SPOP gene; seq.var. = ?

DNA(specification)—**SPP1 gene;****sequence variation**

name of component: secreted phosphoprotein 1 (osteopontin, bone sialoprotein I, early T-lymphocyte activation 1)

[NPU40337](#)

DNA(spec.)—SPP1 gene; seq.var. = ?

DNA(specification)—**SPP2 gene;****sequence variation**

name of component: secreted phosphoprotein 2, 24 kDa

[NPU40338](#)

DNA(spec.)—SPP2 gene; seq.var. = ?

DNA(specification)—**SPR gene;****sequence variation**

name of component: sepiapterin reductase (7,8-dihydrobiopterin:NADP+ oxidoreductase)

[NPU40339](#)

DNA(spec.)—SPR gene; seq.var. = ?

DNA(specification)—**SPRED1 gene;****sequence variation**

name of component: sprouty-related, EVH1 domain containing 1

[NPU47514](#)

DNA(spec.)—SPRED1 gene; seq.var. = ?

DNA(specification)—**SPRL1A gene;****sequence variation**

name of component: small proline rich-like (epidermal differentiation complex) 1A

[NPU44502](#)

DNA(spec.)—SPRL1A gene; seq.var. = ?

DNA(specification)—**SPRL1B gene;****sequence variation**

name of component: small proline rich-like (epidermal differentiation complex) 1B

[NPU44587](#)

DNA(spec.)—SPRL1B gene; seq.var. = ?

DNA(specification)—**SPRL2A gene;****sequence variation**

name of component: small proline rich-like (epidermal differentiation complex) 2A

[NPU44588](#)

DNA(spec.)—SPRL2A gene; seq.var. = ?

DNA(specification)—**SPRL3A gene;****sequence variation**

name of component: small proline rich-like (epidermal differentiation complex) 3A

[NPU44589](#)

DNA(spec.)—SPRL3A gene; seq.var. = ?

DNA(specification)—**SPRL4A gene;****sequence variation**

name of component: small proline rich-like (epidermal differentiation complex) 4A

[NPU44590](#)

DNA(spec.)—SPRL4A gene; seq.var. = ?

DNA(specification)—**SPRL5A gene;****sequence variation**

name of component: small proline rich-like (epidermal differentiation complex) 5A

[NPU44591](#)

DNA(spec.)—SPRL5A gene; seq.var. = ?

DNA(specification)—**SPRL6A gene;****sequence variation**

name of component: small proline rich-like (epidermal differentiation complex) 6A

[NPU44592](#)

DNA(spec.)—SPRL6A gene; seq.var. = ?

DNA(specification)—**SPRL6B gene;****sequence variation**

name of component: small proline rich-like (epidermal differentiation complex) 6B

[NPU44593](#)

DNA(spec.)—SPRL6B gene; seq.var. = ?

DNA(specification)—**SPRR1A gene;****sequence variation**

name of component: small proline-rich protein 1A

[NPU40340](#)

DNA(spec.)—SPRR1A gene; seq.var. = ?

DNA(specification)—**SPRR1B gene;****sequence variation**

name of component: small proline-rich protein 1B (cornifin)

[NPU40341](#)

DNA(spec.)—SPRR1B gene; seq.var. = ?

DNA(specification)—**SPRR2A gene;****sequence variation**

name of component: small proline-rich protein 2A

[NPU40342](#)

DNA(spec.)—SPRR2A gene; seq.var. = ?

DNA(specification)—**SPRR2B gene;****sequence variation**

name of component: small proline-rich protein 2B

[NPU40343](#)

DNA(spec.)—SPRR2B gene; seq.var. = ?

DNA(specification)—**SPRR2C gene;****sequence variation**

name of component: small proline-rich protein 2C

[NPU40344](#)

DNA(spec.)—SPRR2C gene; seq.var. = ?

DNA(specification)—**SPRR2D gene;****sequence variation**

name of component: small proline-rich protein 2D

[NPU40345](#)

DNA(spec.)—SPRR2D gene; seq.var. = ?

DNA(specification)—**SPRR2E gene;****sequence variation**

name of component: small proline-rich protein 2E

[NPU40346](#)

DNA(spec.)—SPRR2E gene; seq.var. = ?

DNA(specification)—**SPRR2F gene;****sequence variation**

name of component: small proline-rich protein 2F

[NPU40347](#)

DNA(spec.)—SPRR2F gene; seq.var. = ?

DNA(specification)—**SPRR2G gene;****sequence variation**

name of component: small proline-rich protein 2G

[NPU40348](#)

DNA(spec.)—SPRR2G gene; seq.var. = ?

DNA(specification)—**SPRR3 gene;****sequence variation**

name of component: small proline-rich protein 3

[NPU40349](#)

DNA(spec.)—SPRR3 gene; seq.var. = ?

DNA(specification)—**SPRY1 gene;****sequence variation**

name of component: sprouty homolog 1, antagonist of FGF signaling (Drosophila)

[NPU40350](#)

DNA(spec.)—SPRY1 gene; seq.var. = ?

DNA(specification)—**SPRY2 gene;****sequence variation**

name of component: sprouty homolog 2 (Drosophila)

[NPU40351](#)

DNA(spec.)—SPRY2 gene; seq.var. = ?

DNA(specification)—**SPRY3 gene;****sequence variation**

name of component: sprouty homolog 3 (Drosophila)

[NPU40352](#)

DNA(spec.)—SPRY3 gene; seq.var. = ?

DNA(specification)—**SPRY4 gene;****sequence variation**

name of component: sprouty homolog 4 (Drosophila)

[NPU43726](#)

DNA(spec.)—SPRY4 gene; seq.var. = ?

DNA(specification)—**SPRYD1 gene;****sequence variation**

name of component: SPRY domain containing 1

[NPU46238](#)

DNA(spec.)—SPRYD1 gene; seq.var. = ?

DNA(specification)—**SPTA1 gene;****sequence variation**

name of component: spectrin, alpha, erythrocytic 1 (elliptocytosis 2)

[NPU40353](#)

DNA(spec.)—SPTA1 gene; seq.var. = ?

DNA(specification)—**SPTAN1 gene;****sequence variation**

name of component: spectrin, alpha, non-erythrocytic 1 (alpha-fodrin)

[NPU40354](#)

DNA(spec.)—SPTAN1 gene; seq.var. = ?

DNA(specification)—**SPTB gene;****sequence variation**

name of component: spectrin, beta, erythrocytic (includes spherocytosis, clinical type I)

[NPU40355](#)

DNA(spec.)—SPTB gene; seq.var. = ?

DNA(specification)—**SPTBN1 gene;****sequence variation**

name of component: spectrin, beta, non-erythrocytic 1

[NPU40356](#)

DNA(spec.)—SPTBN1 gene; seq.var. = ?

DNA(specification)—**SPTBN2 gene;****sequence variation**

name of component: spectrin, beta, non-erythrocytic 2

[NPU40357](#)

DNA(spec.)—SPTBN2 gene; seq.var. = ?

DNA(specification)—**SPTBN4 gene;****sequence variation**

name of component: spectrin, beta, non-erythrocytic 4

[NPU43148](#)

DNA(spec.)—SPTBN4 gene; seq.var. = ?

DNA(specification)—**SPTBN5 gene;****sequence variation**

name of component: spectrin, beta, non-erythrocytic 5

[NPU43820](#)

DNA(spec.)—SPTBN5 gene; seq.var. = ?

DNA(specification)—**SPTLC1 gene;****sequence variation**

name of component: serine palmitoyltransferase, long chain base subunit 1

[NPU40358](#)

DNA(spec.)—SPTLC1 gene; seq.var. = ?

DNA(specification)—**SPTLC2 gene;****sequence variation**

name of component: serine palmitoyltransferase, long chain base subunit 2

[NPU40359](#)

DNA(spec.)—SPTLC2 gene; seq.var. = ?

DNA(specification)—**SPTLC2L gene;****sequence variation**

name of component: serine palmitoyltransferase, long chain base subunit 2-like (aminotransferase 2)

[NPU44293](#)

DNA(spec.)—SPTLC2L gene; seq.var. = ?

DNA(specification)—**SQLE gene;****sequence variation**

name of component: squalene epoxidase

[NPU40360](#)

DNA(spec.)—SQLE gene; seq.var. = ?

DNA(specification)—**SQRDL gene;****sequence variation**

name of component: sulfide quinone reductase-like (yeast)

[NPU47595](#)

DNA(spec.)—SQRDL gene; seq.var. = ?

DNA(specification)—**SQSTM1 gene;****sequence variation**

name of component: sequestosome 1

[NPU40361](#)

DNA(spec.)—SQSTM1 gene; seq.var. = ?

DNA(specification)—**SRA1 gene;****sequence variation**

name of component: steroid receptor RNA activator 1

[NPU40362](#)

DNA(spec.)—SRA1 gene; seq.var. = ?

DNA(specification)—**SRC gene;****sequence variation**

name of component: v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian)

[NPU40363](#)

DNA(spec.)—SRC gene; seq.var. = ?

DNA(specification)—**SRCRB4D gene;****sequence variation**

name of component: scavenger receptor cysteine rich domain containing, group B (4 domains)

[NPU42775](#)

DNA(spec.)—SRCRB4D gene; seq.var. = ?

DNA(specification)—**SRD5A1 gene;****sequence variation**

name of component: steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1)

[NPU40364](#)

DNA(spec.)—SRD5A1 gene; seq.var. = ?

DNA(specification)—**SRD5A2 gene;****sequence variation**

name of component: steroid-5-alpha-reductase, alpha polypeptide 2 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 2)

[NPU40365](#)

DNA(spec.)—SRD5A2 gene; seq.var. = ?

DNA(specification)—**SRD5AP1 gene;****sequence variation**

name of component: steroid-5-alpha-reductase, alpha polypeptide pseudogene 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha pseudogene)

[NPU40366](#)

DNA(spec.)—SRD5AP1 gene; seq.var. = ?

DNA(specification)—**SRD5BP1 gene;****sequence variation**

name of component: steroid-5-beta-reductase, beta polypeptide pseudogene 1

[NPU40367](#)

DNA(spec.)—SRD5BP1 gene; seq.var. = ?

DNA(specification)—**SREBF1 gene;****sequence variation**

name of component: sterol regulatory element
binding transcription factor 1

[NPU40368](#)

DNA(spec.)—SREBF1 gene; seq.var. = ?

DNA(specification)—**SREBF2 gene;****sequence variation**

name of component: sterol regulatory element
binding transcription factor 2

[NPU40369](#)

DNA(spec.)—SREBF2 gene; seq.var. = ?

DNA(specification)—**SRF gene;****sequence variation**

name of component: serum response factor (c-fos
serum response element-binding transcription fac-
tor)

[NPU40370](#)

DNA(spec.)—SRF gene; seq.var. = ?

DNA(specification)—**SRGAP1 gene;****sequence variation**

name of component: SLIT-ROBO Rho GTPase
activating protein 1

[NPU46016](#)

DNA(spec.)—SRGAP1 gene; seq.var. = ?

DNA(specification)—**SRGAP2 gene;****sequence variation**

name of component: SLIT-ROBO Rho GTPase
activating protein 2

[NPU47177](#)

DNA(spec.)—SRGAP2 gene; seq.var. = ?

DNA(specification)—**SRI gene;****sequence variation**

name of component: sorcin

[NPU40371](#)

DNA(spec.)—SRI gene; seq.var. = ?

DNA(specification)—**SRIL gene;****sequence variation**

name of component: sorcin-like

[NPU40372](#)

DNA(spec.)—SRIL gene; seq.var. = ?

DNA(specification)—**SRL gene;****sequence variation**

name of component: sarcalumenin

[NPU40373](#)

DNA(spec.)—SRL gene; seq.var. = ?

DNA(specification)—**SRM gene;****sequence variation**

name of component: spermidine synthase

[NPU40374](#)

DNA(spec.)—SRM gene; seq.var. = ?

DNA(specification)—**SRML2 gene;****sequence variation**

name of component: spermidine synthase-like 2

[NPU40375](#)

DNA(spec.)—SRML2 gene; seq.var. = ?

DNA(specification)—**SRMP1 gene;****sequence variation**

name of component: spermidine synthase pseu-
dogene 1

[NPU44533](#)

DNA(spec.)—SRMP1 gene; seq.var. = ?

DNA(specification)—**SRMP2 gene;****sequence variation**

name of component: spermidine synthase pseu-
dogene 2

[NPU47378](#)

DNA(spec.)—SRMP2 gene; seq.var. = ?

DNA(specification)—**SRMS gene;****sequence variation**

name of component: src-related kinase lacking C-
terminal regulatory tyrosine and N-terminal my-
ristylation sites

[NPU40376](#)

DNA(spec.)—SRMS gene; seq.var. = ?

DNA(specification)—**SRP14 gene;****sequence variation**

name of component: signal recognition particle 14
kDa (homologous Alu RNA binding protein)

[NPU40377](#)

DNA(spec.)—SRP14 gene; seq.var. = ?

DNA(specification)—**SRP19 gene;****sequence variation**

name of component: signal recognition particle 19 kDa

[NPU40378](#)

DNA(spec.)—SRP19 gene; seq.var. = ?

DNA(specification)—**SRP54 gene;****sequence variation**

name of component: signal recognition particle 54 kDa

[NPU40379](#)

DNA(spec.)—SRP54 gene; seq.var. = ?

DNA(specification)—**SRP68 gene;****sequence variation**

name of component: signal recognition particle 68 kDa

[NPU40380](#)

DNA(spec.)—SRP68 gene; seq.var. = ?

DNA(specification)—**SRP72 gene;****sequence variation**

name of component: signal recognition particle 72 kDa

[NPU40381](#)

DNA(spec.)—SRP72 gene; seq.var. = ?

DNA(specification)—**SRP9 gene;****sequence variation**

name of component: signal recognition particle 9 kDa

[NPU40382](#)

DNA(spec.)—SRP9 gene; seq.var. = ?

DNA(specification)—**SRPK1 gene;****sequence variation**

name of component: SFRS protein kinase 1

[NPU40383](#)

DNA(spec.)—SRPK1 gene; seq.var. = ?

DNA(specification)—**SRPK2 gene;****sequence variation**

name of component: SFRS protein kinase 2

[NPU40384](#)

DNA(spec.)—SRPK2 gene; seq.var. = ?

DNA(specification)—**SRPR gene;****sequence variation**

name of component: signal recognition particle receptor ('docking protein')

[NPU40385](#)

DNA(spec.)—SRPR gene; seq.var. = ?

DNA(specification)—**SRPSMCR gene;****sequence variation**

name of component: signal recognition particle, Smith Magenis syndrome chromosome region

[NPU40386](#)

DNA(spec.)—SRPSMCR gene; seq.var. = ?

DNA(specification)—**SRPX gene;****sequence variation**

name of component: sushi-repeat-containing protein, X chromosome

[NPU40387](#)

DNA(spec.)—SRPX gene; seq.var. = ?

DNA(specification)—**SRR gene;****sequence variation**

name of component: serine racemase

[NPU42724](#)

DNA(spec.)—SRR gene; seq.var. = ?

DNA(specification)—**SRRM1 gene;****sequence variation**

name of component: serine/arginine repetitive matrix 1

[NPU44610](#)

DNA(spec.)—SRRM1 gene; seq.var. = ?

DNA(specification)—**SRRM2 gene;****sequence variation**

name of component: serine/arginine repetitive matrix 2

[NPU44611](#)

DNA(spec.)—SRRM2 gene; seq.var. = ?

DNA(specification)—**SRS gene;****sequence variation**

name of component: Snyder-Robinson X-linked mental retardation syndrome

[NPU40388](#)

DNA(spec.)—SRS gene; seq.var. = ?

DNA(specification)—**SRY gene;****sequence variation**

name of component: sex determining region Y

[NPU19196](#)

DNA(spec.)—SRY gene; seq.var. = ?

DNA(specification)—**SS18 gene;****sequence variation**

name of component: synovial sarcoma translocation, chromosome 18

[NPU40417](#)

DNA(spec.)—SS18 gene; seq.var. = ?

DNA(specification)—**SS18L1 gene;****sequence variation**

name of component: synovial sarcoma translocation gene on chromosome 18-like 1

[NPU43766](#)

DNA(spec.)—SS18L1 gene; seq.var. = ?

DNA(specification)—**SS18L2 gene;****sequence variation**

name of component: synovial sarcoma translocation gene on chromosome 18-like 2

[NPU43767](#)

DNA(spec.)—SS18L2 gene; seq.var. = ?

DNA(specification)—**SSA1 gene;****sequence variation**

name of component: Sjogren syndrome antigen A1 (52 kDa, ribonucleoprotein autoantigen SS-A/Ro)

[NPU40389](#)

DNA(spec.)—SSA1 gene; seq.var. = ?

DNA(specification)—**SSA2 gene;****sequence variation**

name of component: Sjogren syndrome antigen A2 (60 kDa, ribonucleoprotein autoantigen SS-A/Ro)

[NPU40390](#)

DNA(spec.)—SSA2 gene; seq.var. = ?

DNA(specification)—**SSAV1 gene;****sequence variation**

name of component: simian sarcoma-associated virus 1/gibbon ape leukemia virus-related endogenous retroviral element 1

[NPU40391](#)

DNA(spec.)—SSAV1 gene; seq.var. = ?

DNA(specification)—**SSAV1L gene;****sequence variation**

name of component: simian sarcoma-associated virus 1-like/gibbon ape leukemia virus-related endogenous retroviral element 1-like

[NPU40392](#)

DNA(spec.)—SSAV1L gene; seq.var. = ?

DNA(specification)—**SSB gene;****sequence variation**

name of component: Sjogren syndrome antigen B (autoantigen La)

[NPU40393](#)

DNA(spec.)—SSB gene; seq.var. = ?

DNA(specification)—**SSBP1 gene;****sequence variation**

name of component: single-stranded DNA binding protein

[NPU40394](#)

DNA(spec.)—SSBP1 gene; seq.var. = ?

DNA(specification)—**SSBP2 gene;****sequence variation**

name of component: single-stranded DNA binding protein 2

[NPU43929](#)

DNA(spec.)—SSBP2 gene; seq.var. = ?

DNA(specification)—**SSBP3 gene;****sequence variation**

name of component: single stranded DNA binding protein 3

[NPU43815](#)

DNA(spec.)—SSBP3 gene; seq.var. = ?

DNA(specification)—**SSBP4 gene;****sequence variation**

name of component: single stranded DNA binding protein 4

[NPU43816](#)

DNA(spec.)—SSBP4 gene; seq.var. = ?

DNA(specification)—**SSFA1 gene;****sequence variation**

name of component: sperm specific antigen 1

[NPU40395](#)

DNA(spec.)—SSFA1 gene; seq.var. = ?

DNA(specification)—**SSFA2 gene;****sequence variation**

name of component: sperm specific antigen 2

[NPU40396](#)

DNA(spec.)—SSFA2 gene; seq.var. = ?

DNA(specification)—**SSH3BP1 gene;****sequence variation**

name of component: spectrin SH3 domain binding protein 1

[NPU40397](#)

DNA(spec.)—SSH3BP1 gene; seq.var. = ?

DNA(specification)—**SSH3BP1P gene;****sequence variation**

name of component: spectrin SH3 domain binding protein 1 pseudogene

[NPU47379](#)

DNA(spec.)—SSH3BP1P gene; seq.var. = ?

DNA(specification)—**SSNA1 gene;****sequence variation**

name of component: Sjogren's syndrome nuclear autoantigen 1

[NPU40398](#)

DNA(spec.)—SSNA1 gene; seq.var. = ?

DNA(specification)—**SSPN gene;****sequence variation**

name of component: sarcospan (Kras oncogene-associated gene)

[NPU40399](#)

DNA(spec.)—SSPN gene; seq.var. = ?

DNA(specification)—**SSR1 gene;****sequence variation**

name of component: signal sequence receptor, alpha (translocon-associated protein alpha)

[NPU40400](#)

DNA(spec.)—SSR1 gene; seq.var. = ?

DNA(specification)—**SSR2 gene;****sequence variation**

name of component: signal sequence receptor, beta (translocon-associated protein beta)

[NPU40401](#)

DNA(spec.)—SSR2 gene; seq.var. = ?

DNA(specification)—**SSR3 gene;****sequence variation**

name of component: signal sequence receptor, gamma (translocon-associated protein gamma)

[NPU40402](#)

DNA(spec.)—SSR3 gene; seq.var. = ?

DNA(specification)—**SSR4 gene;****sequence variation**

name of component: signal sequence receptor, delta (translocon-associated protein delta)

[NPU40403](#)

DNA(spec.)—SSR4 gene; seq.var. = ?

DNA(specification)—**SSRP1 gene;****sequence variation**

name of component: structure specific recognition protein 1

[NPU40404](#)

DNA(spec.)—SSRP1 gene; seq.var. = ?

DNA(specification)—**SSSCA1 gene;****sequence variation**

name of component: Sjogren's syndrome/scleroderma autoantigen 1

[NPU40405](#)

DNA(spec.)—SSSCA1 gene; seq.var. = ?

DNA(specification)—**SST gene;****sequence variation**

name of component: somatostatin

[NPU40406](#)

DNA(spec.)—SST gene; seq.var. = ?

DNA(specification)—**SSTR1 gene;****sequence variation**

name of component: somatostatin receptor 1

[NPU40407](#)

DNA(spec.)—SSTR1 gene; seq.var. = ?

DNA(specification)—**SSTR2 gene;****sequence variation**

name of component: somatostatin receptor 2

[NPU40408](#)

DNA(spec.)—SSTR2 gene; seq.var. = ?

DNA(specification)—**SSTR3 gene;****sequence variation**

name of component: somatostatin receptor 3

[NPU40409](#)

DNA(spec.)—SSTR3 gene; seq.var. = ?

DNA(specification)—**SSTR4 gene;****sequence variation**

name of component: somatostatin receptor 4

[NPU40410](#)

DNA(spec.)—SSTR4 gene; seq.var. = ?

DNA(specification)—**SSTR5 gene;****sequence variation**

name of component: somatostatin receptor 5

[NPU40411](#)

DNA(spec.)—SSTR5 gene; seq.var. = ?

DNA(specification)—**SSX1 gene;****sequence variation**

name of component: synovial sarcoma, X break-point 1

[NPU40412](#)

DNA(spec.)—SSX1 gene; seq.var. = ?

DNA(specification)—**SSX2 gene;****sequence variation**

name of component: synovial sarcoma, X break-point 2

[NPU40413](#)

DNA(spec.)—SSX2 gene; seq.var. = ?

DNA(specification)—**SSX2IP gene;****sequence variation**

name of component: synovial sarcoma, X break-point 2 interacting protein

[NPU44498](#)

DNA(spec.)—SSX2IP gene; seq.var. = ?

DNA(specification)—**SSX3 gene;****sequence variation**

name of component: synovial sarcoma, X break-point 3

[NPU40414](#)

DNA(spec.)—SSX3 gene; seq.var. = ?

DNA(specification)—**SSX4 gene;****sequence variation**

name of component: synovial sarcoma, X break-point 4

[NPU40415](#)

DNA(spec.)—SSX4 gene; seq.var. = ?

DNA(specification)—**SSX5 gene;****sequence variation**

name of component: synovial sarcoma, X break-point 5

[NPU40416](#)

DNA(spec.)—SSX5 gene; seq.var. = ?

DNA(specification)—**SSX6 gene;****sequence variation**

name of component: synovial sarcoma, X break-point 6

[NPU47131](#)

DNA(spec.)—SSX6 gene; seq.var. = ?

DNA(specification)—**SSX7 gene;****sequence variation**

name of component: synovial sarcoma, X break-point 7

[NPU47132](#)

DNA(spec.)—SSX7 gene; seq.var. = ?

DNA(specification)—**SSX8 gene;****sequence variation**

name of component: synovial sarcoma, X break-point 8

[NPU47133](#)

DNA(spec.)—SSX8 gene; seq.var. = ?

DNA(specification)—**SSX9 gene;****sequence variation**

name of component: synovial sarcoma, X break-point 9

[NPU47134](#)

DNA(spec.)—SSX9 gene; seq.var. = ?

DNA(specification)—**ST11 gene;****sequence variation**

name of component: suppression of tumorigenicity 11 (pancreas)

[NPU40418](#)

DNA(spec.)—ST11 gene; seq.var. = ?

DNA(specification)—**ST12 gene;****sequence variation**

name of component: suppression of tumorigenicity 12 (prostate)

[NPU40419](#)

DNA(spec.)—ST12 gene; seq.var. = ?

DNA(specification)—**ST13 gene;****sequence variation**

name of component: suppression of tumorigenicity
13 (colon carcinoma) (Hsp70 interacting protein)

[NPU40420](#)

DNA(spec.)—ST13 gene; seq.var. = ?

DNA(specification)—**ST13P gene;****sequence variation**

name of component: suppression of tumorigenicity
13 (colon carcinoma) (Hsp70 interacting protein)

pseudogene

[NPU44571](#)

DNA(spec.)—ST13P gene; seq.var. = ?

DNA(specification)—**ST14 gene;****sequence variation**

name of component: suppression of tumorigenicity
14 (colon carcinoma, matriptase, epithin)

[NPU40421](#)

DNA(spec.)—ST14 gene; seq.var. = ?

DNA(specification)—**ST18 gene;****sequence variation**

name of component: suppression of tumorigenicity
18 (breast carcinoma) (zinc finger protein)

[NPU46621](#)

DNA(spec.)—ST18 gene; seq.var. = ?

DNA(specification)—**ST2 gene;****sequence variation**

name of component: suppression of tumorigenicity
2

[NPU40424](#)

DNA(spec.)—ST2 gene; seq.var. = ?

DNA(specification)—**ST3 gene;****sequence variation**

name of component: suppression of tumorigenicity
3

[NPU40425](#)

DNA(spec.)—ST3 gene; seq.var. = ?

DNA(specification)—**ST4 gene;****sequence variation**

name of component: suppression of tumorigenicity
4 (malignant melanoma)

[NPU40426](#)

DNA(spec.)—ST4 gene; seq.var. = ?

DNA(specification)—**ST5 gene;****sequence variation**

name of component: suppression of tumorigenicity
5

[NPU40427](#)

DNA(spec.)—ST5 gene; seq.var. = ?

DNA(specification)—**ST7 gene;****sequence variation**

name of component: suppression of tumorigenicity
7

[NPU40428](#)

DNA(spec.)—ST7 gene; seq.var. = ?

DNA(specification)—**ST7L gene;****sequence variation**

name of component: suppression of tumorigenicity
7 like

[NPU46463](#)

DNA(spec.)—ST7L gene; seq.var. = ?

DNA(specification)—**ST7OT1 gene;****sequence variation**

name of component: ST7 overlapping transcript 1
(antisense non-coding RNA)

[NPU44073](#)

DNA(spec.)—ST7OT1 gene; seq.var. = ?

DNA(specification)—**ST7OT2 gene;****sequence variation**

name of component: ST7 overlapping transcript 2
(antisense non-coding RNA)

[NPU44104](#)

DNA(spec.)—ST7OT2 gene; seq.var. = ?

DNA(specification)—**ST7OT3 gene;****sequence variation**

name of component: ST7 overlapping transcript 3
(non-coding RNA)

[NPU44105](#)

DNA(spec.)—ST7OT3 gene; seq.var. = ?

DNA(specification)—**ST7OT4 gene;****sequence variation**

name of component: ST7 overlapping transcript 4
(non-coding RNA)

[NPU46692](#)

DNA(spec.)—ST7OT4 gene; seq.var. = ?

DNA(specification)—**ST8 gene;****sequence variation**

name of component: suppression of tumorigenicity 8 (ovarian)

[NPU40429](#)

DNA(spec.)—ST8 gene; seq.var. = ?

DNA(specification)—**STAB1 gene;****sequence variation**

name of component: stabilin 1

[NPU46582](#)

DNA(spec.)—STAB1 gene; seq.var. = ?

DNA(specification)—**STAB2 gene;****sequence variation**

name of component: stabilin 2

[NPU46583](#)

DNA(spec.)—STAB2 gene; seq.var. = ?

DNA(specification)—**STAC gene;****sequence variation**

name of component: src homology three (SH3) and cysteine rich domain

[NPU40430](#)

DNA(spec.)—STAC gene; seq.var. = ?

DNA(specification)—**STAG1 gene;****sequence variation**

name of component: stromal antigen 1

[NPU40431](#)

DNA(spec.)—STAG1 gene; seq.var. = ?

DNA(specification)—**STAG2 gene;****sequence variation**

name of component: stromal antigen 2

[NPU40432](#)

DNA(spec.)—STAG2 gene; seq.var. = ?

DNA(specification)—**STAG3 gene;****sequence variation**

name of component: stromal antigen 3

[NPU40433](#)

DNA(spec.)—STAG3 gene; seq.var. = ?

DNA(specification)—**STAM gene;****sequence variation**

name of component: signal transducing adaptor molecule (SH3 domain and ITAM motif) 1

[NPU40434](#)

DNA(spec.)—STAM gene; seq.var. = ?

DNA(specification)—**STAM2 gene;****sequence variation**

name of component: signal transducing adaptor molecule (SH3 domain and ITAM motif) 2

[NPU40435](#)

DNA(spec.)—STAM2 gene; seq.var. = ?

DNA(specification)—**STAR gene;****sequence variation**

name of component: steroidogenic acute regulatory protein

[NPU40436](#)

DNA(spec.)—STAR gene; seq.var. = ?

DNA(specification)—**STARD10 gene;****sequence variation**

name of component: serologically defined colon cancer antigen 28

[NPU39817](#)

DNA(spec.)—STARD10 gene; seq.var. = ?

DNA(specification)—**STARD13 gene;****sequence variation**

name of component: START domain containing 13

[NPU46893](#)

DNA(spec.)—STARD13 gene; seq.var. = ?

DNA(specification)—**STARD3 gene;****sequence variation**

name of component: START domain containing 3

[NPU46051](#)

DNA(spec.)—STARD3 gene; seq.var. = ?

DNA(specification)—**STARD3NL gene;****sequence variation**

name of component: STARD3 N-terminal like

[NPU46898](#)

DNA(spec.)—STARD3NL gene; seq.var. = ?

DNA(specification)—**STARD4 gene;****sequence variation**

name of component: START domain containing 4, sterol regulated

[NPU46256](#)

DNA(spec.)—STARD4 gene; seq.var. = ?

DNA(specification)—**STARD5 gene;****sequence variation**

name of component: START domain containing 5

[NPU46261](#)

DNA(spec.)—STARD5 gene; seq.var. = ?

DNA(specification)—
STARD6 gene;
sequence variation
name of component: START domain containing 6
[NPU46262](#)
DNA(spec.)—STARD6 gene; seq.var. = ?

DNA(specification)—
STARD7 gene;
sequence variation
name of component: START domain containing 7
[NPU46259](#)
DNA(spec.)—STARD7 gene; seq.var. = ?

DNA(specification)—
STARD8 gene;
sequence variation
name of component: START domain containing 8
[NPU46891](#)
DNA(spec.)—STARD8 gene; seq.var. = ?

DNA(specification)—
STARD9 gene;
sequence variation
name of component: START domain containing 9
[NPU46892](#)
DNA(spec.)—STARD9 gene; seq.var. = ?

DNA(specification)—
STARP1 gene;
sequence variation
name of component: steroidogenic acute regulatory protein pseudogene 1
[NPU40437](#)
DNA(spec.)—STARP1 gene; seq.var. = ?

DNA(specification)—
STAT1 gene;
sequence variation
name of component: signal transducer and activator of transcription 1, 91 kDa
[NPU40438](#)
DNA(spec.)—STAT1 gene; seq.var. = ?

DNA(specification)—
STAT2 gene;
sequence variation
name of component: signal transducer and activator of transcription 2, 113 kDa
[NPU40439](#)
DNA(spec.)—STAT2 gene; seq.var. = ?

DNA(specification)—
STAT3 gene;
sequence variation
name of component: signal transducer and activator of transcription 3 (acute-phase response factor)
[NPU40440](#)
DNA(spec.)—STAT3 gene; seq.var. = ?

DNA(specification)—
STAT4 gene;
sequence variation
name of component: signal transducer and activator of transcription 4
[NPU40441](#)
DNA(spec.)—STAT4 gene; seq.var. = ?

DNA(specification)—
STAT5A gene;
sequence variation
name of component: signal transducer and activator of transcription 5A
[NPU40442](#)
DNA(spec.)—STAT5A gene; seq.var. = ?

DNA(specification)—
STAT5B gene;
sequence variation
name of component: signal transducer and activator of transcription 5B
[NPU40443](#)
DNA(spec.)—STAT5B gene; seq.var. = ?

DNA(specification)—
STAT6 gene;
sequence variation
name of component: signal transducer and activator of transcription 6, interleukin-4 induced
[NPU40444](#)
DNA(spec.)—STAT6 gene; seq.var. = ?

DNA(specification)—
STATH gene;
sequence variation
name of component: statherin
[NPU40445](#)
DNA(spec.)—STATH gene; seq.var. = ?

DNA(specification)—
STATIP1 gene;
sequence variation
name of component: signal transducer and activator of transcription 3 interacting protein 1
[NPU46359](#)
DNA(spec.)—STATIP1 gene; seq.var. = ?

DNA(specification)—
STAU gene;
sequence variation
name of component: staufer, RNA binding protein (Drosophila)
[NPU40446](#)
DNA(spec.)—STAU gene; seq.var. = ?

DNA(specification)—**STAU2 gene;****sequence variation**

name of component: staufer, RNA binding protein,
homolog 2 (Drosophila)

[NPU40447](#)

DNA(spec.)—STAU2 gene; seq.var. = ?

DNA(specification)—**STC1 gene;****sequence variation**

name of component: stanniocalcin 1

[NPU40448](#)

DNA(spec.)—STC1 gene; seq.var. = ?

DNA(specification)—**STC2 gene;****sequence variation**

name of component: stanniocalcin 2

[NPU40449](#)

DNA(spec.)—STC2 gene; seq.var. = ?

DNA(specification)—**STCH gene;****sequence variation**

name of component: stress 70 protein chaperone,
microsome-associated, 60 kDa

[NPU40450](#)

DNA(spec.)—STCH gene; seq.var. = ?

DNA(specification)—**STE gene;****sequence variation**

name of component: sulfotransferase, estrogen-
preferring

[NPU40451](#)

DNA(spec.)—STE gene; seq.var. = ?

DNA(specification)—**STEAP gene;****sequence variation**

name of component: six transmembrane epithelial
antigen of the prostate

[NPU40452](#)

DNA(spec.)—STEAP gene; seq.var. = ?

DNA(specification)—**STEAP2 gene;****sequence variation**

name of component: six transmembrane epithelial
antigen of prostate 2

[NPU46163](#)

DNA(spec.)—STEAP2 gene; seq.var. = ?

DNA(specification)—**STGD4 gene;****sequence variation**

name of component: Stargardt disease 4 (auto-
somal dominant)

[NPU40453](#)

DNA(spec.)—STGD4 gene; seq.var. = ?

DNA(specification)—**STIM1 gene;****sequence variation**

name of component: stromal interaction molecule 1

[NPU40454](#)

DNA(spec.)—STIM1 gene; seq.var. = ?

DNA(specification)—**STIM2 gene;****sequence variation**

name of component: stromal interaction molecule 2

[NPU46916](#)

DNA(spec.)—STIM2 gene; seq.var. = ?

DNA(specification)—**STIP1 gene;****sequence variation**

name of component: stress-induced-
phosphoprotein 1 (Hsp70/Hsp90-organizing pro-
tein)

[NPU40455](#)

DNA(spec.)—STIP1 gene; seq.var. = ?

DNA(specification)—**STK10 gene;****sequence variation**

name of component: serine/threonine kinase 10

[NPU40456](#)

DNA(spec.)—STK10 gene; seq.var. = ?

DNA(specification)—**STK11 gene;****sequence variation**

name of component: serine/threonine kinase 11
(Peutz-Jeghers syndrome)

[NPU19273](#)

DNA(spec.)—STK11 gene; seq.var. = ?

DNA(specification)—**STK11IP gene;****sequence variation**

name of component: serine/threonine kinase 11
interacting protein

[NPU46910](#)

DNA(spec.)—STK11IP gene; seq.var. = ?

DNA(specification)—**STK12 gene;****sequence variation**

name of component: serine/threonine kinase 12

[NPU40457](#)

DNA(spec.)—STK12 gene; seq.var. = ?

DNA(specification)—**STK13 gene;****sequence variation**

name of component: serine/threonine kinase 13
(aurora/IPL1-like)

[NPU40458](#)

DNA(spec.)—STK13 gene; seq.var. = ?

DNA(specification)—**STK15 gene;****sequence variation**

name of component: serine/threonine kinase 15

[NPU40459](#)

DNA(spec.)—STK15 gene; seq.var. = ?

DNA(specification)—**STK16 gene;****sequence variation**

name of component: serine/threonine kinase 16

[NPU40460](#)

DNA(spec.)—STK16 gene; seq.var. = ?

DNA(specification)—**STK16P gene;****sequence variation**

name of component: serine/threonine kinase 16
pseudogene

[NPU46954](#)

DNA(spec.)—STK16P gene; seq.var. = ?

DNA(specification)—**STK17A gene;****sequence variation**

name of component: serine/threonine kinase 17a
(apoptosis-inducing)

[NPU40461](#)

DNA(spec.)—STK17A gene; seq.var. = ?

DNA(specification)—**STK17B gene;****sequence variation**

name of component: serine/threonine kinase 17b
(apoptosis-inducing)

[NPU40462](#)

DNA(spec.)—STK17B gene; seq.var. = ?

DNA(specification)—**STK18 gene;****sequence variation**

name of component: serine/threonine kinase 18

[NPU40463](#)

DNA(spec.)—STK18 gene; seq.var. = ?

DNA(specification)—**STK19 gene;****sequence variation**

name of component: serine/threonine kinase 19

[NPU40464](#)

DNA(spec.)—STK19 gene; seq.var. = ?

DNA(specification)—**STK22A gene;****sequence variation**

name of component: serine/threonine kinase 22A
(spermiogenesis associated)

[NPU40466](#)

DNA(spec.)—STK22A gene; seq.var. = ?

DNA(specification)—**STK22B gene;****sequence variation**

name of component: serine/threonine kinase 22B
(spermiogenesis associated)

[NPU40467](#)

DNA(spec.)—STK22B gene; seq.var. = ?

DNA(specification)—**STK22C gene;****sequence variation**

name of component: serine/threonine kinase 22C
(spermiogenesis associated)

[NPU43688](#)

DNA(spec.)—STK22C gene; seq.var. = ?

DNA(specification)—**STK22D gene;****sequence variation**

name of component: serine/threonine kinase 22D
(spermiogenesis associated)

[NPU43208](#)

DNA(spec.)—STK22D gene; seq.var. = ?

DNA(specification)—**STK23 gene;****sequence variation**

name of component: serine/threonine kinase 23

[NPU40468](#)

DNA(spec.)—STK23 gene; seq.var. = ?

DNA(specification)—**STK24 gene;****sequence variation**

name of component: serine/threonine kinase 24
(STE20 homolog, yeast)

[NPU40469](#)

DNA(spec.)—STK24 gene; seq.var. = ?

DNA(specification)—**STK25 gene;****sequence variation**

name of component: serine/threonine kinase 25
(STE20 homolog, yeast)

[NPU40470](#)

DNA(spec.)—STK25 gene; seq.var. = ?

DNA(specification)—**STK29 gene;****sequence variation**

name of component: serine/threonine kinase 29

[NPU40471](#)

DNA(spec.)—STK29 gene; seq.var. = ?

DNA(specification)—**STK3 gene;****sequence variation**name of component: serine/threonine kinase 3
(STE20 homolog, yeast)[NPU40472](#)

DNA(spec.)—STK3 gene; seq.var. = ?

DNA(specification)—**STK31 gene;****sequence variation**

name of component: serine/threonine kinase 31

[NPU40473](#)

DNA(spec.)—STK31 gene; seq.var. = ?

DNA(specification)—**STK33 gene;****sequence variation**

name of component: serine/threonine kinase 33

[NPU42868](#)

DNA(spec.)—STK33 gene; seq.var. = ?

DNA(specification)—**STK35 gene;****sequence variation**

name of component: serine/threonine kinase 35

[NPU44294](#)

DNA(spec.)—STK35 gene; seq.var. = ?

DNA(specification)—**STK36 gene;****sequence variation**name of component: serine/threonine kinase 36
(fused homolog, *Drosophila*)[NPU44918](#)

DNA(spec.)—STK36 gene; seq.var. = ?

DNA(specification)—**STK38 gene;****sequence variation**

name of component: serine/threonine kinase 38

[NPU46144](#)

DNA(spec.)—STK38 gene; seq.var. = ?

DNA(specification)—**STK38L gene;****sequence variation**name of component: serine/threonine kinase 38
like[NPU46145](#)

DNA(spec.)—STK38L gene; seq.var. = ?

DNA(specification)—**STK39 gene;****sequence variation**name of component: serine/threonine kinase 39
(STE20/SPS1 homolog, yeast)[NPU46078](#)

DNA(spec.)—STK39 gene; seq.var. = ?

DNA(specification)—**STK4 gene;****sequence variation**

name of component: serine/threonine kinase 4

[NPU40474](#)

DNA(spec.)—STK4 gene; seq.var. = ?

DNA(specification)—**STK6 gene;****sequence variation**

name of component: serine/threonine kinase 6

[NPU40475](#)

DNA(spec.)—STK6 gene; seq.var. = ?

DNA(specification)—**STK6P gene;****sequence variation**name of component: serine/threonine kinase 6
pseudogene[NPU40476](#)

DNA(spec.)—STK6P gene; seq.var. = ?

DNA(specification)—**STMN1 gene;****sequence variation**

name of component: stathmin 1/oncoprotein 18

[NPU36362](#)

DNA(spec.)—STMN1 gene; seq.var. = ?

DNA(specification)—**STMN2 gene;****sequence variation**

name of component: stathmin-like 2

[NPU39736](#)

DNA(spec.)—STMN2 gene; seq.var. = ?

DNA(specification)—**STMN3 gene;****sequence variation**

name of component: stathmin-like 3

[NPU44008](#)

DNA(spec.)—STMN3 gene; seq.var. = ?

DNA(specification)—**STMN4 gene;****sequence variation**

name of component: stathmin-like 4

[NPU44129](#)

DNA(spec.)—STMN4 gene; seq.var. = ?

DNA(specification)—**STN gene;****sequence variation**

name of component: statin

[NPU40478](#)

DNA(spec.)—STN gene; seq.var. = ?

DNA(specification)—**STNL gene;****sequence variation**

name of component: statin-like

[NPU40479](#)

DNA(spec.)—STNL gene; seq.var. = ?

DNA(specification)—**STOM gene;****sequence variation**

name of component: stomatin

[NPU32696](#)

DNA(spec.)—STOM gene; seq.var. = ?

DNA(specification)—**STOML1 gene;****sequence variation**

name of component: stomatin (EPB72)-like 1

[NPU42863](#)

DNA(spec.)—STOML1 gene; seq.var. = ?

DNA(specification)—**STOML2 gene;****sequence variation**

name of component: stomatin (EPB72)-like 2

[NPU42862](#)

DNA(spec.)—STOML2 gene; seq.var. = ?

DNA(specification)—**STOML3 gene;****sequence variation**

name of component: stomatin (EPB72)-like 3

[NPU47027](#)

DNA(spec.)—STOML3 gene; seq.var. = ?

DNA(specification)—**STOT gene;****sequence variation**

name of component: salt tolerator

[NPU40480](#)

DNA(spec.)—STOT gene; seq.var. = ?

DNA(specification)—**STRBP gene;****sequence variation**

name of component: spermatid perinuclear RNA binding protein

[NPU44457](#)

DNA(spec.)—STRBP gene; seq.var. = ?

DNA(specification)—**STRC gene;****sequence variation**

name of component: stereocilin

[NPU44097](#)

DNA(spec.)—STRC gene; seq.var. = ?

DNA(specification)—**STRN gene;****sequence variation**

name of component: striatin, calmodulin binding protein

[NPU40481](#)

DNA(spec.)—STRN gene; seq.var. = ?

DNA(specification)—**STRN3 gene;****sequence variation**

name of component: striatin, calmodulin binding protein 3

[NPU43851](#)

DNA(spec.)—STRN3 gene; seq.var. = ?

DNA(specification)—**STRN4 gene;****sequence variation**

name of component: striatin, calmodulin binding protein 4

[NPU43852](#)

DNA(spec.)—STRN4 gene; seq.var. = ?

DNA(specification)—**STS gene;****sequence variation**

name of component: steroid sulfatase (microsomal), arylsulfatase C, isozyme S

[NPU19014](#)

DNA(spec.)—STS gene; seq.var. = ?

DNA(specification)—**STSP gene;****sequence variation**

name of component: steroid sulfatase (microsomal) pseudogene

[NPU40482](#)

DNA(spec.)—STSP gene; seq.var. = ?

DNA(specification)—**STUB1 gene;****sequence variation**

name of component: STIP1 homology and U-Box containing protein 1

[NPU40483](#)

DNA(spec.)—STUB1 gene; seq.var. = ?

DNA(specification)—
STX10 gene;
sequence variation
name of component: syntaxin 10
[NPU40484](#)
DNA(spec.)—STX10 gene; seq.var. = ?

DNA(specification)—
STX11 gene;
sequence variation
name of component: syntaxin 11
[NPU40485](#)
DNA(spec.)—STX11 gene; seq.var. = ?

DNA(specification)—
STX12 gene;
sequence variation
name of component: syntaxin 12
[NPU40486](#)
DNA(spec.)—STX12 gene; seq.var. = ?

DNA(specification)—
STX16 gene;
sequence variation
name of component: syntaxin 16
[NPU40487](#)
DNA(spec.)—STX16 gene; seq.var. = ?

DNA(specification)—
STX17 gene;
sequence variation
name of component: syntaxin 17
[NPU40488](#)
DNA(spec.)—STX17 gene; seq.var. = ?

DNA(specification)—
STX18 gene;
sequence variation
name of component: syntaxin 18
[NPU44021](#)
DNA(spec.)—STX18 gene; seq.var. = ?

DNA(specification)—
STX1A gene;
sequence variation
name of component: syntaxin 1A (brain)
[NPU40489](#)
DNA(spec.)—STX1A gene; seq.var. = ?

DNA(specification)—
STX1B1 gene;
sequence variation
name of component: syntaxin 1B1
[NPU40490](#)
DNA(spec.)—STX1B1 gene; seq.var. = ?

DNA(specification)—
STX1B2 gene;
sequence variation
name of component: syntaxin 1B2
[NPU46518](#)
DNA(spec.)—STX1B2 gene; seq.var. = ?

DNA(specification)—
STX3A gene;
sequence variation
name of component: syntaxin 3A
[NPU40491](#)
DNA(spec.)—STX3A gene; seq.var. = ?

DNA(specification)—
STX4A gene;
sequence variation
name of component: syntaxin 4A (placental)
[NPU40492](#)
DNA(spec.)—STX4A gene; seq.var. = ?

DNA(specification)—
STX5A gene;
sequence variation
name of component: syntaxin 5A
[NPU40493](#)
DNA(spec.)—STX5A gene; seq.var. = ?

DNA(specification)—
STX6 gene;
sequence variation
name of component: syntaxin 6
[NPU40494](#)
DNA(spec.)—STX6 gene; seq.var. = ?

DNA(specification)—
STX7 gene;
sequence variation
name of component: syntaxin 7
[NPU40495](#)
DNA(spec.)—STX7 gene; seq.var. = ?

DNA(specification)—
STX8 gene;
sequence variation
name of component: syntaxin 8
[NPU40496](#)
DNA(spec.)—STX8 gene; seq.var. = ?

DNA(specification)—
STXBP1 gene;
sequence variation
name of component: syntaxin binding protein 1
[NPU40497](#)
DNA(spec.)—STXBP1 gene; seq.var. = ?

DNA(specification)—
STXBP2 gene;
sequence variation
name of component: syntaxin binding protein 2
[NPU40498](#)
DNA(spec.)—STXBP2 gene; seq.var. = ?

DNA(specification)—
STXBP3 gene;
sequence variation
name of component: syntaxin binding protein 3
[NPU40499](#)
DNA(spec.)—STXBP3 gene; seq.var. = ?

DNA(specification)—
STXBP5 gene;
sequence variation
name of component: syntaxin binding protein 5
(tomosyn)
[NPU47138](#)
DNA(spec.)—STXBP5 gene; seq.var. = ?

DNA(specification)—
STXBP6 gene;
sequence variation
name of component: syntaxin binding protein 6
(amisyn)
[NPU47139](#)
DNA(spec.)—STXBP6 gene; seq.var. = ?

DNA(specification)—
STYX gene;
sequence variation
name of component: serine/threonine/tyrosine in-
teracting protein
[NPU40500](#)
DNA(spec.)—STYX gene; seq.var. = ?

DNA(specification)—
SUCLA2 gene;
sequence variation
name of component: succinate-CoA ligase, ADP-
forming, beta subunit
[NPU40501](#)
DNA(spec.)—SUCLA2 gene; seq.var. = ?

DNA(specification)—
SUCLG1 gene;
sequence variation
name of component: succinate-CoA ligase, GDP-
forming, alpha subunit
[NPU40502](#)
DNA(spec.)—SUCLG1 gene; seq.var. = ?

DNA(specification)—
SUCLG2 gene;
sequence variation
name of component: succinate-CoA ligase, GDP-
forming, beta subunit
[NPU40503](#)
DNA(spec.)—SUCLG2 gene; seq.var. = ?

DNA(specification)—
SUDD gene;
sequence variation
name of component: sudD suppressor of bimD6
homolog (A. nidulans)
[NPU40504](#)
DNA(spec.)—SUDD gene; seq.var. = ?

DNA(specification)—
SUFU gene;
sequence variation
name of component: suppressor of fused homolog
(Drosophila)
[NPU44460](#)
DNA(spec.)—SUFU gene; seq.var. = ?

DNA(specification)—
SUGT1 gene;
sequence variation
name of component: SGT1, suppressor of G2 allele
of SKP1 (S. cerevisiae)
[NPU44802](#)
DNA(spec.)—SUGT1 gene; seq.var. = ?

DNA(specification)—
SUGT1L1 gene;
sequence variation
name of component: SGT1, suppressor of G2 allele
of SKP1 like 1 (S. cerevisiae)
[NPU47655](#)
DNA(spec.)—SUGT1L1 gene; seq.var. = ?

DNA(specification)—
SUGT1P gene;
sequence variation
name of component: suppressor of G2 allele of
SKP1 pseudogene (S. cerevisiae)
[NPU47007](#)
DNA(spec.)—SUGT1P gene; seq.var. = ?

DNA(specification)—
SUHW1 gene;
sequence variation
name of component: suppressor of hairy wing ho-
molog 1 (Drosophila)
[NPU46565](#)
DNA(spec.)—SUHW1 gene; seq.var. = ?

DNA(specification)—**SULT gene;****sequence variation**

name of component: sulfotransferase

[NPU40505](#)

DNA(spec.)—SULT gene; seq.var. = ?

DNA(specification)—**SULT1A1 gene;****sequence variation**

name of component: sulfotransferase family, cytosolic, 1A, phenol-preferring, member 1

[NPU40506](#)

DNA(spec.)—SULT1A1 gene; seq.var. = ?

DNA(specification)—**SULT1A2 gene;****sequence variation**

name of component: sulfotransferase family, cytosolic, 1A, phenol-preferring, member 2

[NPU40507](#)

DNA(spec.)—SULT1A2 gene; seq.var. = ?

DNA(specification)—**SULT1A3 gene;****sequence variation**

name of component: sulfotransferase family, cytosolic, 1A, phenol-preferring, member 3

[NPU40508](#)

DNA(spec.)—SULT1A3 gene; seq.var. = ?

DNA(specification)—**SULT1B1 gene;****sequence variation**

name of component: sulfotransferase family, cytosolic, 1B, member 1

[NPU46142](#)

DNA(spec.)—SULT1B1 gene; seq.var. = ?

DNA(specification)—**SULT1C1 gene;****sequence variation**

name of component: sulfotransferase family, cytosolic, 1C, member 1

[NPU40509](#)

DNA(spec.)—SULT1C1 gene; seq.var. = ?

DNA(specification)—**SULT1C2 gene;****sequence variation**

name of component: sulfotransferase family, cytosolic, 1C, member 2

[NPU40510](#)

DNA(spec.)—SULT1C2 gene; seq.var. = ?

DNA(specification)—**SULT2A1 gene;****sequence variation**

name of component: sulfotransferase family, cytosolic, 2A, dehydroepiandrosterone (DHEA) - preferring, member 1

[NPU40511](#)

DNA(spec.)—SULT2A1 gene; seq.var. = ?

DNA(specification)—**SULT2B1 gene;****sequence variation**

name of component: sulfotransferase family, cytosolic, 2B, member 1

[NPU40512](#)

DNA(spec.)—SULT2B1 gene; seq.var. = ?

DNA(specification)—**SULT4A1 gene;****sequence variation**

name of component: sulfotransferase family 4A, member 1

[NPU43154](#)

DNA(spec.)—SULT4A1 gene; seq.var. = ?

DNA(specification)—**SUOX gene;****sequence variation**

name of component: sulfite oxidase

[NPU40513](#)

DNA(spec.)—SUOX gene; seq.var. = ?

DNA(specification)—**SUPT16H gene;****sequence variation**

name of component: suppressor of Ty 16 homolog (S. cerevisiae)

[NPU40514](#)

DNA(spec.)—SUPT16H gene; seq.var. = ?

DNA(specification)—**SUPT3H gene;****sequence variation**

name of component: suppressor of Ty 3 homolog (S. cerevisiae)

[NPU40515](#)

DNA(spec.)—SUPT3H gene; seq.var. = ?

DNA(specification)—**SUPT4H1 gene;****sequence variation**

name of component: suppressor of Ty 4 homolog 1 (S. cerevisiae)

[NPU40516](#)

DNA(spec.)—SUPT4H1 gene; seq.var. = ?

DNA(specification)—**SUPT4H2 gene;****sequence variation**

name of component: suppressor of Ty 4 homolog 2
(*S. cerevisiae*)

[NPU40517](#)

DNA(spec.)—SUPT4H2 gene; seq.var. = ?

DNA(specification)—**SUPT5H gene;****sequence variation**

name of component: suppressor of Ty 5 homolog
(*S. cerevisiae*)

[NPU40518](#)

DNA(spec.)—SUPT5H gene; seq.var. = ?

DNA(specification)—**SUPT6H gene;****sequence variation**

name of component: suppressor of Ty 6 homolog
(*S. cerevisiae*)

[NPU40519](#)

DNA(spec.)—SUPT6H gene; seq.var. = ?

DNA(specification)—**SUPV3L1 gene;****sequence variation**

name of component: suppressor of var1, 3-like 1
(*S. cerevisiae*)

[NPU40520](#)

DNA(spec.)—SUPV3L1 gene; seq.var. = ?

DNA(specification)—**SURB7 gene;****sequence variation**

name of component: SRB7 suppressor of RNA polymerase B homolog (yeast)

[NPU40521](#)

DNA(spec.)—SURB7 gene; seq.var. = ?

DNA(specification)—**SURF1 gene;****sequence variation**

name of component: surfeit 1

[NPU40522](#)

DNA(spec.)—SURF1 gene; seq.var. = ?

DNA(specification)—**SURF2 gene;****sequence variation**

name of component: surfeit 2

[NPU40523](#)

DNA(spec.)—SURF2 gene; seq.var. = ?

DNA(specification)—**SURF4 gene;****sequence variation**

name of component: surfeit 4

[NPU40524](#)

DNA(spec.)—SURF4 gene; seq.var. = ?

DNA(specification)—**SURF5 gene;****sequence variation**

name of component: surfeit 5

[NPU40525](#)

DNA(spec.)—SURF5 gene; seq.var. = ?

DNA(specification)—**SURF6 gene;****sequence variation**

name of component: surfeit 6

[NPU40526](#)

DNA(spec.)—SURF6 gene; seq.var. = ?

DNA(specification)—**SUV39H1 gene;****sequence variation**

name of component: suppressor of variegation 3-9 homolog 1 (*Drosophila*)

[NPU40527](#)

DNA(spec.)—SUV39H1 gene; seq.var. = ?

DNA(specification)—**SV2A gene;****sequence variation**

name of component: synaptic vesicle glycoprotein 2A

[NPU47663](#)

DNA(spec.)—SV2A gene; seq.var. = ?

DNA(specification)—**SV2B gene;****sequence variation**

name of component: synaptic vesicle glycoprotein 2B

[NPU44752](#)

DNA(spec.)—SV2B gene; seq.var. = ?

DNA(specification)—**SVIL gene;****sequence variation**

name of component: supervillin

[NPU40528](#)

DNA(spec.)—SVIL gene; seq.var. = ?

DNA(specification)—**SVS1 gene;****sequence variation**

name of component: seminal vesicle secretion 1

[NPU40529](#)

DNA(spec.)—SVS1 gene; seq.var. = ?

DNA(specification)—**SYAP1 gene;****sequence variation**

name of component: synapse associated protein 1, SAP47 homolog (*Drosophila*)

[NPU44310](#)

DNA(spec.)—SYAP1 gene; seq.var. = ?

DNA(specification)—**SYBL1 gene;****sequence variation**

name of component: synaptobrevin-like 1

[NPU40530](#)

DNA(spec.)—SYBL1 gene; seq.var. = ?

DNA(specification)—**SYCP1 gene;****sequence variation**

name of component: synaptonemal complex protein 1

[NPU40531](#)

DNA(spec.)—SYCP1 gene; seq.var. = ?

DNA(specification)—**SYCP1L2 gene;****sequence variation**

name of component: synaptonemal complex protein 1-like 2

[NPU40532](#)

DNA(spec.)—SYCP1L2 gene; seq.var. = ?

DNA(specification)—**SYCP1L3 gene;****sequence variation**

name of component: synaptonemal complex protein 1-like 3

[NPU40533](#)

DNA(spec.)—SYCP1L3 gene; seq.var. = ?

DNA(specification)—**SYCP2 gene;****sequence variation**

name of component: synaptonemal complex protein 2

[NPU40534](#)

DNA(spec.)—SYCP2 gene; seq.var. = ?

DNA(specification)—**SYCP3 gene;****sequence variation**

name of component: synaptonemal complex protein 3

[NPU46315](#)

DNA(spec.)—SYCP3 gene; seq.var. = ?

DNA(specification)—**SYK gene;****sequence variation**

name of component: spleen tyrosine kinase

[NPU40535](#)

DNA(spec.)—SYK gene; seq.var. = ?

DNA(specification)—**SYM1 gene;****sequence variation**

name of component: symphalangism 1 (proximal)

[NPU40536](#)

DNA(spec.)—SYM1 gene; seq.var. = ?

DNA(specification)—**SYM2 gene;****sequence variation**

name of component: symphalangism 2 (distal)

[NPU40537](#)

DNA(spec.)—SYM2 gene; seq.var. = ?

DNA(specification)—**SYN1 gene;****sequence variation**

name of component: synapsin I

[NPU40538](#)

DNA(spec.)—SYN1 gene; seq.var. = ?

DNA(specification)—**SYN2 gene;****sequence variation**

name of component: synapsin II

[NPU40539](#)

DNA(spec.)—SYN2 gene; seq.var. = ?

DNA(specification)—**SYN3 gene;****sequence variation**

name of component: synapsin III

[NPU40540](#)

DNA(spec.)—SYN3 gene; seq.var. = ?

DNA(specification)—**SYNE1 gene;****sequence variation**

name of component: spectrin repeat containing, nuclear envelope 1

[NPU44845](#)

DNA(spec.)—SYNE1 gene; seq.var. = ?

DNA(specification)—**SYNE2 gene;****sequence variation**

name of component: spectrin repeat containing, nuclear envelope 2

[NPU44843](#)

DNA(spec.)—SYNE2 gene; seq.var. = ?

DNA(specification)—**SYNGAP1 gene;****sequence variation**

name of component: synaptic Ras GTPase activating protein 1 homolog (rat)

[NPU40541](#)

DNA(spec.)—SYNGAP1 gene; seq.var. = ?

DNA(specification)—
SYNGR1 gene;
sequence variation
name of component: synaptogyrin 1
[NPU40542](#)
DNA(spec.)—SYNGR1 gene; seq.var. = ?

DNA(specification)—
SYNGR2 gene;
sequence variation
name of component: synaptogyrin 2
[NPU40543](#)
DNA(spec.)—SYNGR2 gene; seq.var. = ?

DNA(specification)—
SYNGR2P gene;
sequence variation
name of component: synaptogyrin 2 pseudogene
[NPU40544](#)
DNA(spec.)—SYNGR2P gene; seq.var. = ?

DNA(specification)—
SYNGR3 gene;
sequence variation
name of component: synaptogyrin 3
[NPU40545](#)
DNA(spec.)—SYNGR3 gene; seq.var. = ?

DNA(specification)—
SYNGR4 gene;
sequence variation
name of component: synaptogyrin 4
[NPU40546](#)
DNA(spec.)—SYNGR4 gene; seq.var. = ?

DNA(specification)—
SYNJ1 gene;
sequence variation
name of component: synaptojanin 1
[NPU40547](#)
DNA(spec.)—SYNJ1 gene; seq.var. = ?

DNA(specification)—
SYNJ2 gene;
sequence variation
name of component: synaptojanin 2
[NPU40548](#)
DNA(spec.)—SYNJ2 gene; seq.var. = ?

DNA(specification)—
SYNJ2BP gene;
sequence variation
name of component: synaptojanin 2 binding protein
[NPU46797](#)
DNA(spec.)—SYNJ2BP gene; seq.var. = ?

DNA(specification)—
SYNPO2 gene;
sequence variation
name of component: synaptopodin 2
[NPU46083](#)
DNA(spec.)—SYNPO2 gene; seq.var. = ?

DNA(specification)—
SYNPR gene;
sequence variation
name of component: synaptoporin
[NPU44496](#)
DNA(spec.)—SYNPR gene; seq.var. = ?

DNA(specification)—
SYP gene;
sequence variation
name of component: synaptophysin
[NPU40549](#)
DNA(spec.)—SYP gene; seq.var. = ?

DNA(specification)—
SYPL gene;
sequence variation
name of component: synaptophysin-like protein
[NPU40550](#)
DNA(spec.)—SYPL gene; seq.var. = ?

DNA(specification)—
SYT1 gene;
sequence variation
name of component: synaptotagmin I
[NPU40551](#)
DNA(spec.)—SYT1 gene; seq.var. = ?

DNA(specification)—
SYT11 gene;
sequence variation
name of component: synaptotagmin XI
[NPU46928](#)
DNA(spec.)—SYT11 gene; seq.var. = ?

DNA(specification)—
SYT12 gene;
sequence variation
name of component: synaptotagmin XII
[NPU46437](#)
DNA(spec.)—SYT12 gene; seq.var. = ?

DNA(specification)—
SYT13 gene;
sequence variation
name of component: synaptotagmin XIII
[NPU43203](#)
DNA(spec.)—SYT13 gene; seq.var. = ?

DNA(specification)—**SYT2 gene;****sequence variation**

name of component: synaptotagmin II

[NPU40552](#)

DNA(spec.)—SYT2 gene; seq.var. = ?

DNA(specification)—**SYT3 gene;****sequence variation**

name of component: synaptotagmin III

[NPU40553](#)

DNA(spec.)—SYT3 gene; seq.var. = ?

DNA(specification)—**SYT4 gene;****sequence variation**

name of component: synaptotagmin IV

[NPU40554](#)

DNA(spec.)—SYT4 gene; seq.var. = ?

DNA(specification)—**SYT5 gene;****sequence variation**

name of component: synaptotagmin V

[NPU40555](#)

DNA(spec.)—SYT5 gene; seq.var. = ?

DNA(specification)—**SYT6 gene;****sequence variation**

name of component: synaptotagmin VI

[NPU46589](#)

DNA(spec.)—SYT6 gene; seq.var. = ?

DNA(specification)—**SYT7 gene;****sequence variation**

name of component: synaptotagmin VII

[NPU40556](#)

DNA(spec.)—SYT7 gene; seq.var. = ?

DNA(specification)—**SYT8 gene;****sequence variation**

name of component: synaptotagmin VIII

[NPU46946](#)

DNA(spec.)—SYT8 gene; seq.var. = ?

DNA(specification)—**SYTL2 gene;****sequence variation**

name of component: synaptotagmin-like 2

[NPU43760](#)

DNA(spec.)—SYTL2 gene; seq.var. = ?

DNA(specification)—**SYTL3 gene;****sequence variation**

name of component: synaptotagmin-like 3

[NPU43762](#)

DNA(spec.)—SYTL3 gene; seq.var. = ?

DNA(specification)—**SYTL4 gene;****sequence variation**name of component: synaptotagmin-like 4 (gran-
uphilin-a)[NPU43763](#)

DNA(spec.)—SYTL4 gene; seq.var. = ?

DNA(specification)—**SYTL5 gene;****sequence variation**

name of component: synaptotagmin-like 5

[NPU43764](#)

DNA(spec.)—SYTL5 gene; seq.var. = ?

DNA(specification)—**SAA@ gene;****sequence variation**

name of component: serum amyloid A1 cluster

[NPU39682](#)

DNA(spec.)—SAA@ gene; seq.var. = ?

DNA(specification)—**SAA1 gene;****sequence variation**

name of component: serum amyloid A1

[NPU39683](#)

DNA(spec.)—SAA1 gene; seq.var. = ?

DNA(specification)—**SAA2 gene;****sequence variation**

name of component: serum amyloid A2

[NPU39684](#)

DNA(spec.)—SAA2 gene; seq.var. = ?

DNA(specification)—**SAA3P gene;****sequence variation**name of component: serum amyloid A3 pseu-
dogene[NPU39685](#)

DNA(spec.)—SAA3P gene; seq.var. = ?

DNA(specification)—**SAA4 gene;****sequence variation**name of component: serum amyloid A4, constitu-
tive[NPU39686](#)

DNA(spec.)—SAA4 gene; seq.var. = ?

DNA(specification)—**T gene;****sequence variation**

name of component: T, brachyury homolog (mouse)

[NPU40557](#)

DNA(spec.)—T gene; seq.var. = ?

DNA(specification)—**TAC1 gene;****sequence variation**

name of component: tachykinin, precursor 1 (substance K, substance P, neurokinin 1, neurokinin 2, neuromedin L, neurokinin alpha, neuropeptide K, neuropeptide gamma)

[NPU40558](#)

DNA(spec.)—TAC1 gene; seq.var. = ?

DNA(specification)—**TAC3 gene;****sequence variation**

name of component: tachykinin 3 (neuromedin K, neurokinin beta)

[NPU40559](#)

DNA(spec.)—TAC3 gene; seq.var. = ?

DNA(specification)—**TACC1 gene;****sequence variation**

name of component: transforming, acidic coiled-coil containing protein 1

[NPU40560](#)

DNA(spec.)—TACC1 gene; seq.var. = ?

DNA(specification)—**TACC2 gene;****sequence variation**

name of component: transforming, acidic coiled-coil containing protein 2

[NPU40561](#)

DNA(spec.)—TACC2 gene; seq.var. = ?

DNA(specification)—**TACC3 gene;****sequence variation**

name of component: transforming, acidic coiled-coil containing protein 3

[NPU40562](#)

DNA(spec.)—TACC3 gene; seq.var. = ?

DNA(specification)—**TACR1 gene;****sequence variation**

name of component: tachykinin receptor 1

[NPU40563](#)

DNA(spec.)—TACR1 gene; seq.var. = ?

DNA(specification)—**TACR2 gene;****sequence variation**

name of component: tachykinin receptor 2

[NPU40564](#)

DNA(spec.)—TACR2 gene; seq.var. = ?

DNA(specification)—**TACR3 gene;****sequence variation**

name of component: tachykinin receptor 3

[NPU40565](#)

DNA(spec.)—TACR3 gene; seq.var. = ?

DNA(specification)—**TACSTD1 gene;****sequence variation**

name of component: tumor-associated calcium signal transducer 1

[NPU40566](#)

DNA(spec.)—TACSTD1 gene; seq.var. = ?

DNA(specification)—**TACSTD2 gene;****sequence variation**

name of component: tumor-associated calcium signal transducer 2

[NPU40567](#)

DNA(spec.)—TACSTD2 gene; seq.var. = ?

DNA(specification)—**TADA2L gene;****sequence variation**

name of component: transcriptional adaptor 2 (ADA2 homolog, yeast)-like

[NPU40568](#)

DNA(spec.)—TADA2L gene; seq.var. = ?

DNA(specification)—**TADA3L gene;****sequence variation**

name of component: transcriptional adaptor 3 (NGG1 homolog, yeast)-like

[NPU47029](#)

DNA(spec.)—TADA3L gene; seq.var. = ?

DNA(specification)—**TAF1 gene;****sequence variation**

name of component: TAF1 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 250 kDa

[NPU40572](#)

DNA(spec.)—TAF1 gene; seq.var. = ?

DNA(specification)—**TAF10 gene;****sequence variation**

name of component: TAF10 RNA polymerase II,
TATA box binding protein (TBP)-associated factor,
30 kDa

[NPU40580](#)

DNA(spec.)—TAF10 gene; seq.var. = ?

DNA(specification)—**TAF11 gene;****sequence variation**

name of component: TAF11 RNA polymerase II,
TATA box binding protein (TBP)-associated factor,
28 kDa

[NPU40581](#)

DNA(spec.)—TAF11 gene; seq.var. = ?

DNA(specification)—**TAF12 gene;****sequence variation**

name of component: TAF12 RNA polymerase II,
TATA box binding protein (TBP)-associated factor,
20 kDa

[NPU40582](#)

DNA(spec.)—TAF12 gene; seq.var. = ?

DNA(specification)—**TAF13 gene;****sequence variation**

name of component: TAF13 RNA polymerase II,
TATA box binding protein (TBP)-associated factor,
18 kDa

[NPU40583](#)

DNA(spec.)—TAF13 gene; seq.var. = ?

DNA(specification)—**TAF13P gene;****sequence variation**

name of component: TAF13 RNA polymerase II,
TATA box binding protein (TBP)-associated factor,
pseudogene

[NPU46624](#)

DNA(spec.)—TAF13P gene; seq.var. = ?

DNA(specification)—**TAF15 gene;****sequence variation**

name of component: TAF15 RNA polymerase II,
TATA box binding protein (TBP)-associated factor,
68 kDa

[NPU40584](#)

DNA(spec.)—TAF15 gene; seq.var. = ?

DNA(specification)—**TAF1A gene;****sequence variation**

name of component: TATA box binding protein
(TBP)-associated factor, RNA polymerase I, A, 48
kDa

[NPU40569](#)

DNA(spec.)—TAF1A gene; seq.var. = ?

DNA(specification)—**TAF1B gene;****sequence variation**

name of component: TATA box binding protein
(TBP)-associated factor, RNA polymerase I, B, 63
kDa

[NPU40570](#)

DNA(spec.)—TAF1B gene; seq.var. = ?

DNA(specification)—**TAF1C gene;****sequence variation**

name of component: TATA box binding protein
(TBP)-associated factor, RNA polymerase I, C,
110 kDa

[NPU40571](#)

DNA(spec.)—TAF1C gene; seq.var. = ?

DNA(specification)—**TAF1L gene;****sequence variation**

name of component: TAF1-like RNA polymerase
II, TATA box binding protein (TBP)-associated
factor, 210 kDa

[NPU46254](#)

DNA(spec.)—TAF1L gene; seq.var. = ?

DNA(specification)—**TAF2 gene;****sequence variation**

name of component: TAF2 RNA polymerase II,
TATA box binding protein (TBP)-associated factor,
150 kDa

[NPU40573](#)

DNA(spec.)—TAF2 gene; seq.var. = ?

DNA(specification)—**TAF3 gene;****sequence variation**

name of component: TAF3 RNA polymerase II,
TATA box binding protein (TBP)-associated factor,
140 kDa

[NPU44964](#)

DNA(spec.)—TAF3 gene; seq.var. = ?

DNA(specification)—**TAF4 gene;****sequence variation**

name of component: TAF4 RNA polymerase II,
TATA box binding protein (TBP)-associated factor, 135 kDa

[NPU40574](#)

DNA(spec.)—TAF4 gene; seq.var. = ?

DNA(specification)—**TAF4B gene;****sequence variation**

name of component: TAF4b RNA polymerase II,
TATA box binding protein (TBP)-associated factor, 105 kDa

[NPU40575](#)

DNA(spec.)—TAF4B gene; seq.var. = ?

DNA(specification)—**TAF5 gene;****sequence variation**

name of component: TAF5 RNA polymerase II,
TATA box binding protein (TBP)-associated factor, 100 kDa

[NPU40576](#)

DNA(spec.)—TAF5 gene; seq.var. = ?

DNA(specification)—**TAF5L gene;****sequence variation**

name of component: TAF5-like RNA polymerase II,
p300/CBP-associated factor (PCAF)-associated factor, 65 kDa

[NPU44965](#)

DNA(spec.)—TAF5L gene; seq.var. = ?

DNA(specification)—**TAF6 gene;****sequence variation**

name of component: TAF6 RNA polymerase II,
TATA box binding protein (TBP)-associated factor, 80 kDa

[NPU40577](#)

DNA(spec.)—TAF6 gene; seq.var. = ?

DNA(specification)—**TAF6L gene;****sequence variation**

name of component: TAF6-like RNA polymerase II,
p300/CBP-associated factor (PCAF)-associated factor, 65 kDa

[NPU44966](#)

DNA(spec.)—TAF6L gene; seq.var. = ?

DNA(specification)—**TAF7 gene;****sequence variation**

name of component: TAF7 RNA polymerase II,
TATA box binding protein (TBP)-associated factor, 55 kDa

[NPU40578](#)

DNA(spec.)—TAF7 gene; seq.var. = ?

DNA(specification)—**TAF7L gene;****sequence variation**

name of component: TAF7-like RNA polymerase II,
TATA box binding protein (TBP)-associated factor, 50 kDa

[NPU40585](#)

DNA(spec.)—TAF7L gene; seq.var. = ?

DNA(specification)—**TAF8 gene;****sequence variation**

name of component: TATA box binding protein (TBP)-associated factor, RNA polymerase II, A,
45/50 kDa

[NPU44962](#)

DNA(spec.)—TAF8 gene; seq.var. = ?

DNA(specification)—**TAF9 gene;****sequence variation**

name of component: TAF9 RNA polymerase II,
TATA box binding protein (TBP)-associated factor, 32 kDa

[NPU40579](#)

DNA(spec.)—TAF9 gene; seq.var. = ?

DNA(specification)—**TAF9L gene;****sequence variation**

name of component: TAF9-like RNA polymerase II,
TATA box binding protein (TBP)-associated factor, 31 kDa

[NPU44967](#)

DNA(spec.)—TAF9L gene; seq.var. = ?

DNA(specification)—**TAGAP gene;****sequence variation**

name of component: T-cell activation GTPase activating protein

[NPU43811](#)

DNA(spec.)—TAGAP gene; seq.var. = ?

DNA(specification)—**TAGLN gene;****sequence variation**

name of component: transgelin

[NPU40590](#)

DNA(spec.)—TAGLN gene; seq.var. = ?

DNA(specification)—**TAGLN2 gene;****sequence variation**

name of component: transgelin 2

[NPU40591](#)

DNA(spec.)—TAGLN2 gene; seq.var. = ?

DNA(specification)—**TAL1 gene;****sequence variation**

name of component: T-cell acute lymphocytic leukemia 1

[NPU40592](#)

DNA(spec.)—TAL1 gene; seq.var. = ?

DNA(specification)—**TAL2 gene;****sequence variation**

name of component: T-cell acute lymphocytic leukemia 2

[NPU40593](#)

DNA(spec.)—TAL2 gene; seq.var. = ?

DNA(specification)—**TALDO1 gene;****sequence variation**

name of component: transaldolase 1

[NPU40594](#)

DNA(spec.)—TALDO1 gene; seq.var. = ?

DNA(specification)—**TALDOP1 gene;****sequence variation**

name of component: transaldolase pseudogene 1

[NPU40595](#)

DNA(spec.)—TALDOP1 gene; seq.var. = ?

DNA(specification)—**TANK gene;****sequence variation**

name of component: TRAF family member-associated NFKB activator

[NPU40596](#)

DNA(spec.)—TANK gene; seq.var. = ?

DNA(specification)—**TAP1 gene;****sequence variation**

name of component: transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)

[NPU30027](#)

DNA(spec.)—TAP1 gene; seq.var. = ?

DNA(specification)—**TAP1 gene;****taxon**[NPU22015](#)

DNA(spec.)—TAP1 gene; taxon = ?

DNA(specification)—**TAP2 gene;****sequence variation**

name of component: transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)

[NPU30028](#)

DNA(spec.)—TAP2 gene; seq.var. = ?

DNA(specification)—**TAP2 gene;****taxon**[NPU22016](#)

DNA(spec.)—TAP2 gene; taxon = ?

DNA(specification)—**TAPBP gene;****sequence variation**

name of component: TAP binding protein (tapasin)

[NPU40597](#)

DNA(spec.)—TAPBP gene; seq.var. = ?

DNA(specification)—**TAPVR1 gene;****sequence variation**

name of component: total anomalous pulmonary venous return 1

[NPU40598](#)

DNA(spec.)—TAPVR1 gene; seq.var. = ?

DNA(specification)—**TARBP1 gene;****sequence variation**

name of component: TAR (HIV) RNA binding protein 1

[NPU40599](#)

DNA(spec.)—TARBP1 gene; seq.var. = ?

DNA(specification)—**TARBP2 gene;****sequence variation**

name of component: TAR (HIV) RNA binding protein 2

[NPU40600](#)

DNA(spec.)—TARBP2 gene; seq.var. = ?

DNA(specification)—**TARBP2P gene;****sequence variation**

name of component: TAR (HIV) RNA binding protein 2 pseudogene

[NPU40601](#)

DNA(spec.)—TARBP2P gene; seq.var. = ?

DNA(specification)—**TARDBP gene;****sequence variation**

name of component: TAR DNA binding protein

[NPU40602](#)

DNA(spec.)—TARDBP gene; seq.var. = ?

DNA(specification)—
TARDBPL gene;
sequence variation
name of component: TAR DNA binding protein-like
[NPU44517](#)
DNA(spec.)—TARDBPL gene; seq.var. = ?

DNA(specification)—
TARS gene;
sequence variation
name of component: threonyl-tRNA synthetase
[NPU40603](#)
DNA(spec.)—TARS gene; seq.var. = ?

DNA(specification)—
TAS1R1 gene;
sequence variation
name of component: taste receptor, type 1, member 1
[NPU42763](#)
DNA(spec.)—TAS1R1 gene; seq.var. = ?

DNA(specification)—
TAS1R2 gene;
sequence variation
name of component: taste receptor, type 1, member 2
[NPU43155](#)
DNA(spec.)—TAS1R2 gene; seq.var. = ?

DNA(specification)—
TAS1R3 gene;
sequence variation
name of component: taste receptor, type 1, member 3
[NPU43804](#)
DNA(spec.)—TAS1R3 gene; seq.var. = ?

DNA(specification)—
TAS2R1 gene;
sequence variation
name of component: taste receptor, type 2, member 1
[NPU43158](#)
DNA(spec.)—TAS2R1 gene; seq.var. = ?

DNA(specification)—
TAS2R10 gene;
sequence variation
name of component: taste receptor, type 2, member 10
[NPU43165](#)
DNA(spec.)—TAS2R10 gene; seq.var. = ?

DNA(specification)—
TAS2R12 gene;
sequence variation
name of component: taste receptor, type 2, member 12
[NPU46861](#)
DNA(spec.)—TAS2R12 gene; seq.var. = ?

DNA(specification)—
TAS2R13 gene;
sequence variation
name of component: taste receptor, type 2, member 13
[NPU43166](#)
DNA(spec.)—TAS2R13 gene; seq.var. = ?

DNA(specification)—
TAS2R14 gene;
sequence variation
name of component: taste receptor, type 2, member 14
[NPU43167](#)
DNA(spec.)—TAS2R14 gene; seq.var. = ?

DNA(specification)—
TAS2R15 gene;
sequence variation
name of component: taste receptor, type 2, member 15
[NPU46863](#)
DNA(spec.)—TAS2R15 gene; seq.var. = ?

DNA(specification)—
TAS2R16 gene;
sequence variation
name of component: taste receptor, type 2, member 16
[NPU43168](#)
DNA(spec.)—TAS2R16 gene; seq.var. = ?

DNA(specification)—
TAS2R18 gene;
sequence variation
name of component: taste receptor, type 2, member 18
[NPU46864](#)
DNA(spec.)—TAS2R18 gene; seq.var. = ?

DNA(specification)—
TAS2R19 gene;
sequence variation
name of component: taste receptor, type 2, member 19
[NPU46865](#)
DNA(spec.)—TAS2R19 gene; seq.var. = ?

DNA(specification)—
TAS2R2 gene;
sequence variation
name of component: taste receptor, type 2, member 2
[NPU47683](#)
DNA(spec.)—TAS2R2 gene; seq.var. = ?

DNA(specification)—
TAS2R20 gene;
sequence variation
name of component: taste receptor, type 2, member 20
[NPU46866](#)
DNA(spec.)—TAS2R20 gene; seq.var. = ?

DNA(specification)—
TAS2R22 gene;
sequence variation
name of component: taste receptor, type 2, member 22
[NPU46867](#)
DNA(spec.)—TAS2R22 gene; seq.var. = ?

DNA(specification)—
TAS2R23 gene;
sequence variation
name of component: taste receptor, type 2, member 23
[NPU46868](#)
DNA(spec.)—TAS2R23 gene; seq.var. = ?

DNA(specification)—
TAS2R3 gene;
sequence variation
name of component: taste receptor, type 2, member 3
[NPU43159](#)
DNA(spec.)—TAS2R3 gene; seq.var. = ?

DNA(specification)—
TAS2R30 gene;
sequence variation
name of component: taste receptor, type 2, member 30
[NPU46869](#)
DNA(spec.)—TAS2R30 gene; seq.var. = ?

DNA(specification)—
TAS2R31 gene;
sequence variation
name of component: taste receptor, type 2, member 31
[NPU46870](#)
DNA(spec.)—TAS2R31 gene; seq.var. = ?

DNA(specification)—
TAS2R33 gene;
sequence variation
name of component: taste receptor, type 2, member 33
[NPU46871](#)
DNA(spec.)—TAS2R33 gene; seq.var. = ?

DNA(specification)—
TAS2R36 gene;
sequence variation
name of component: taste receptor, type 2, member 36
[NPU46872](#)
DNA(spec.)—TAS2R36 gene; seq.var. = ?

DNA(specification)—
TAS2R37 gene;
sequence variation
name of component: taste receptor, type 2, member 37
[NPU46873](#)
DNA(spec.)—TAS2R37 gene; seq.var. = ?

DNA(specification)—
TAS2R39 gene;
sequence variation
name of component: taste receptor, type 2, member 39
[NPU46731](#)
DNA(spec.)—TAS2R39 gene; seq.var. = ?

DNA(specification)—
TAS2R4 gene;
sequence variation
name of component: taste receptor, type 2, member 4
[NPU43160](#)
DNA(spec.)—TAS2R4 gene; seq.var. = ?

DNA(specification)—
TAS2R40 gene;
sequence variation
name of component: taste receptor, type 2, member 40
[NPU46730](#)
DNA(spec.)—TAS2R40 gene; seq.var. = ?

DNA(specification)—
TAS2R41 gene;
sequence variation
name of component: taste receptor, type 2, member 41
[NPU46728](#)
DNA(spec.)—TAS2R41 gene; seq.var. = ?

DNA(specification)—
TAS2R42 gene;
sequence variation
name of component: taste receptor, type 2, member 42
[NPU46732](#)
DNA(spec.)—TAS2R42 gene; seq.var. = ?

DNA(specification)—
TAS2R43 gene;
sequence variation
name of component: taste receptor, type 2, member 43
[NPU46720](#)
DNA(spec.)—TAS2R43 gene; seq.var. = ?

DNA(specification)—
TAS2R44 gene;
sequence variation
name of component: taste receptor, type 2, member 44
[NPU46726](#)
DNA(spec.)—TAS2R44 gene; seq.var. = ?

DNA(specification)—
TAS2R45 gene;
sequence variation
name of component: taste receptor, type 2, member 45
[NPU46721](#)
DNA(spec.)—TAS2R45 gene; seq.var. = ?

DNA(specification)—
TAS2R46 gene;
sequence variation
name of component: taste receptor, type 2, member 46
[NPU46722](#)
DNA(spec.)—TAS2R46 gene; seq.var. = ?

DNA(specification)—
TAS2R47 gene;
sequence variation
name of component: taste receptor, type 2, member 47
[NPU46723](#)
DNA(spec.)—TAS2R47 gene; seq.var. = ?

DNA(specification)—
TAS2R48 gene;
sequence variation
name of component: taste receptor, type 2, member 48
[NPU46724](#)
DNA(spec.)—TAS2R48 gene; seq.var. = ?

DNA(specification)—
TAS2R49 gene;
sequence variation
name of component: taste receptor, type 2, member 49
[NPU46725](#)
DNA(spec.)—TAS2R49 gene; seq.var. = ?

DNA(specification)—
TAS2R5 gene;
sequence variation
name of component: taste receptor, type 2, member 5
[NPU43161](#)
DNA(spec.)—TAS2R5 gene; seq.var. = ?

DNA(specification)—
TAS2R50 gene;
sequence variation
name of component: taste receptor, type 2, member 50
[NPU46727](#)
DNA(spec.)—TAS2R50 gene; seq.var. = ?

DNA(specification)—
TAS2R6 gene;
sequence variation
name of component: taste receptor, type 2, member 6
[NPU47684](#)
DNA(spec.)—TAS2R6 gene; seq.var. = ?

DNA(specification)—
TAS2R60 gene;
sequence variation
name of component: taste receptor, type 2, member 60
[NPU47695](#)
DNA(spec.)—TAS2R60 gene; seq.var. = ?

DNA(specification)—
TAS2R62P gene;
sequence variation
name of component: taste receptor, type 2, member 62 pseudogene
[NPU47696](#)
DNA(spec.)—TAS2R62P gene; seq.var. = ?

DNA(specification)—
TAS2R63P gene;
sequence variation
name of component: taste receptor, type 2, member 63 pseudogene
[NPU47697](#)
DNA(spec.)—TAS2R63P gene; seq.var. = ?

DNA(specification)—**TAS2R64P gene;****sequence variation**

name of component: taste receptor, type 2, member 64 pseudogene

[NPU47698](#)

DNA(spec.)—TAS2R64P gene; seq.var. = ?

DNA(specification)—**TAS2R65P gene;****sequence variation**

name of component: taste receptor, type 2, member 65 pseudogene

[NPU47699](#)

DNA(spec.)—TAS2R65P gene; seq.var. = ?

DNA(specification)—**TAS2R7 gene;****sequence variation**

name of component: taste receptor, type 2, member 7

[NPU43162](#)

DNA(spec.)—TAS2R7 gene; seq.var. = ?

DNA(specification)—**TAS2R8 gene;****sequence variation**

name of component: taste receptor, type 2, member 8

[NPU43163](#)

DNA(spec.)—TAS2R8 gene; seq.var. = ?

DNA(specification)—**TAS2R9 gene;****sequence variation**

name of component: taste receptor, type 2, member 9

[NPU43164](#)

DNA(spec.)—TAS2R9 gene; seq.var. = ?

DNA(specification)—**TAT gene;****sequence variation**

name of component: tyrosine aminotransferase

[NPU40604](#)

DNA(spec.)—TAT gene; seq.var. = ?

DNA(specification)—**TAX1BP1 gene;****sequence variation**

name of component: Tax1 (human T-cell leukemia virus type I) binding protein 1

[NPU40605](#)

DNA(spec.)—TAX1BP1 gene; seq.var. = ?

DNA(specification)—**TAX1BP2 gene;****sequence variation**

name of component: Tax1 (human T-cell leukemia virus type I) binding protein 1

[NPU40606](#)

DNA(spec.)—TAX1BP2 gene; seq.var. = ?

DNA(specification)—**TAZ gene;****sequence variation**

name of component: tafazzin (cardiomyopathy, dilated 3A (X-linked); endocardial fibroelastosis 2; Barth syndrome)

[NPU40607](#)

DNA(spec.)—TAZ gene; seq.var. = ?

DNA(specification)—**TBC1D1 gene;****sequence variation**

name of component: TBC1 (tre-2/USP6, BUB2, cdc16) domain family, member 1

[NPU40608](#)

DNA(spec.)—TBC1D1 gene; seq.var. = ?

DNA(specification)—**TBC1D2 gene;****sequence variation**

name of component: TBC1 domain family, member 2

[NPU46240](#)

DNA(spec.)—TBC1D2 gene; seq.var. = ?

DNA(specification)—**TBC1D4 gene;****sequence variation**

name of component: TBC1 domain family, member 4

[NPU46894](#)

DNA(spec.)—TBC1D4 gene; seq.var. = ?

DNA(specification)—**TBC1D5 gene;****sequence variation**

name of component: TBC1 domain family, member 5

[NPU46895](#)

DNA(spec.)—TBC1D5 gene; seq.var. = ?

DNA(specification)—**TBC1D7 gene;****sequence variation**

name of component: TBC1 domain family, member 7

[NPU47854](#)

DNA(spec.)—TBC1D7 gene; seq.var. = ?

DNA(specification)—**TBC1D8 gene;****sequence variation**

name of component: TBC1 domain family, member 8 (with GRAM domain)

[NPU46097](#)

DNA(spec.)—TBC1D8 gene; seq.var. = ?

DNA(specification)—**TBCA gene;****sequence variation**

name of component: tubulin-specific chaperone a

[NPU40609](#)

DNA(spec.)—TBCA gene; seq.var. = ?

DNA(specification)—**TBCC gene;****sequence variation**

name of component: tubulin-specific chaperone c

[NPU40610](#)

DNA(spec.)—TBCC gene; seq.var. = ?

DNA(specification)—**TBCD gene;****sequence variation**

name of component: tubulin-specific chaperone d

[NPU40611](#)

DNA(spec.)—TBCD gene; seq.var. = ?

DNA(specification)—**TBCE gene;****sequence variation**

name of component: tubulin-specific chaperone e

[NPU40612](#)

DNA(spec.)—TBCE gene; seq.var. = ?

DNA(specification)—**TBK1 gene;****sequence variation**

name of component: TANK-binding kinase 1

[NPU40614](#)

DNA(spec.)—TBK1 gene; seq.var. = ?

DNA(specification)—**TBL1X gene;****sequence variation**

name of component: transducin (beta)-like 1X-linked

[NPU40615](#)

DNA(spec.)—TBL1X gene; seq.var. = ?

DNA(specification)—**TBL1Y gene;****sequence variation**

name of component: transducin (beta)-like 1Y-linked

[NPU46507](#)

DNA(spec.)—TBL1Y gene; seq.var. = ?

DNA(specification)—**TBL2 gene;****sequence variation**

name of component: transducin (beta)-like 2

[NPU40616](#)

DNA(spec.)—TBL2 gene; seq.var. = ?

DNA(specification)—**TBL3 gene;****sequence variation**

name of component: transducin (beta)-like 3

[NPU40617](#)

DNA(spec.)—TBL3 gene; seq.var. = ?

DNA(specification)—**TBP gene;****sequence variation**

name of component: TATA box binding protein

[NPU40618](#)

DNA(spec.)—TBP gene; seq.var. = ?

DNA(specification)—**TBPL1 gene;****sequence variation**

name of component: TBP-like 1

[NPU40619](#)

DNA(spec.)—TBPL1 gene; seq.var. = ?

DNA(specification)—**TBPL2 gene;****sequence variation**

name of component: TATA box binding protein like 2

[NPU47262](#)

DNA(spec.)—TBPL2 gene; seq.var. = ?

DNA(specification)—**TBR1 gene;****sequence variation**

name of component: T-box, brain, 1

[NPU40620](#)

DNA(spec.)—TBR1 gene; seq.var. = ?

DNA(specification)—**TBX1 gene;****sequence variation**

name of component: T-box 1

[NPU40621](#)

DNA(spec.)—TBX1 gene; seq.var. = ?

DNA(specification)—**TBX10 gene;****sequence variation**

name of component: T-box 10

[NPU40622](#)

DNA(spec.)—TBX10 gene; seq.var. = ?

DNA(specification)—**TBX14 gene;****sequence variation**

name of component: T-box 14

[NPU46104](#)

DNA(spec.)—TBX14 gene; seq.var. = ?

DNA(specification)—**TBX15 gene;****sequence variation**

name of component: T-box 15

[NPU40623](#)

DNA(spec.)—TBX15 gene; seq.var. = ?

DNA(specification)—**TBX18 gene;****sequence variation**

name of component: T-box 18

[NPU40624](#)

DNA(spec.)—TBX18 gene; seq.var. = ?

DNA(specification)—**TBX19 gene;****sequence variation**

name of component: T-box 19

[NPU40625](#)

DNA(spec.)—TBX19 gene; seq.var. = ?

DNA(specification)—**TBX2 gene;****sequence variation**

name of component: T-box 2

[NPU40626](#)

DNA(spec.)—TBX2 gene; seq.var. = ?

DNA(specification)—**TBX20 gene;****sequence variation**

name of component: T-box 20

[NPU40627](#)

DNA(spec.)—TBX20 gene; seq.var. = ?

DNA(specification)—**TBX21 gene;****sequence variation**

name of component: T-box 21

[NPU40628](#)

DNA(spec.)—TBX21 gene; seq.var. = ?

DNA(specification)—**TBX22 gene;****sequence variation**

name of component: T-box 22

[NPU40629](#)

DNA(spec.)—TBX22 gene; seq.var. = ?

DNA(specification)—**TBX23 gene;****sequence variation**

name of component: T-box 23

[NPU40630](#)

DNA(spec.)—TBX23 gene; seq.var. = ?

DNA(specification)—**TBX3 gene;****sequence variation**

name of component: T-box 3 (ulnar mammary syndrome)

[NPU40631](#)

DNA(spec.)—TBX3 gene; seq.var. = ?

DNA(specification)—**TBX4 gene;****sequence variation**

name of component: T-box 4

[NPU40632](#)

DNA(spec.)—TBX4 gene; seq.var. = ?

DNA(specification)—**TBX5 gene;****sequence variation**

name of component: T-box 5

[NPU40633](#)

DNA(spec.)—TBX5 gene; seq.var. = ?

DNA(specification)—**TBX6 gene;****sequence variation**

name of component: T-box 6

[NPU40634](#)

DNA(spec.)—TBX6 gene; seq.var. = ?

DNA(specification)—**TBX7 gene;****sequence variation**

name of component: T-box 7

[NPU40635](#)

DNA(spec.)—TBX7 gene; seq.var. = ?

DNA(specification)—**TBXA1R gene;****sequence variation**

name of component: thromboxane A1 receptor

[NPU40636](#)

DNA(spec.)—TBXA1R gene; seq.var. = ?

DNA(specification)—**TBXA2R gene;****sequence variation**

name of component: thromboxane A2 receptor

[NPU40637](#)

DNA(spec.)—TBXA2R gene; seq.var. = ?

DNA(specification)—**TBXAS1 gene;****sequence variation**

name of component: thromboxane A synthase 1
(platelet, cytochrome P450, family 5, subfamily A)

[NPU40638](#)

DNA(spec.)—TBXAS1 gene; seq.var. = ?

DNA(specification)—**TCAP gene;****sequence variation**

name of component: titin-cap (telethonin)

[NPU40639](#)

DNA(spec.)—TCAP gene; seq.var. = ?

DNA(specification)—**TCBA1 gene;****sequence variation**

name of component: T-cell lymphoma breakpoint
associated target 1

[NPU44442](#)

DNA(spec.)—TCBA1 gene; seq.var. = ?

DNA(specification)—**TCEA1 gene;****sequence variation**

name of component: transcription elongation factor
A (SII), 1

[NPU40640](#)

DNA(spec.)—TCEA1 gene; seq.var. = ?

DNA(specification)—**TCEA1P gene;****sequence variation**

name of component: transcription elongation factor
A (SII), 1 pseudogene

[NPU40641](#)

DNA(spec.)—TCEA1P gene; seq.var. = ?

DNA(specification)—**TCEA2 gene;****sequence variation**

name of component: transcription elongation factor
A (SII), 2

[NPU40642](#)

DNA(spec.)—TCEA2 gene; seq.var. = ?

DNA(specification)—**TCEA3 gene;****sequence variation**

name of component: transcription elongation factor
A (SII), 3

[NPU40643](#)

DNA(spec.)—TCEA3 gene; seq.var. = ?

DNA(specification)—**TCEAL1 gene;****sequence variation**

name of component: transcription elongation factor
A (SII)-like 1

[NPU40644](#)

DNA(spec.)—TCEAL1 gene; seq.var. = ?

DNA(specification)—**TCEB1 gene;****sequence variation**

name of component: transcription elongation factor
B (SIII), polypeptide 1 (15 kDa, elongin C)

[NPU40645](#)

DNA(spec.)—TCEB1 gene; seq.var. = ?

DNA(specification)—**TCEB1P gene;****sequence variation**

name of component: transcription elongation factor
B (SIII), polypeptide 1 pseudogene

[NPU40646](#)

DNA(spec.)—TCEB1P gene; seq.var. = ?

DNA(specification)—**TCEB2 gene;****sequence variation**

name of component: transcription elongation factor
B (SIII), polypeptide 2 (18 kDa, elongin B)

[NPU40647](#)

DNA(spec.)—TCEB2 gene; seq.var. = ?

DNA(specification)—**TCEB3 gene;****sequence variation**

name of component: transcription elongation factor
B (SIII), polypeptide 3 (110 kDa, elongin A)

[NPU40648](#)

DNA(spec.)—TCEB3 gene; seq.var. = ?

DNA(specification)—**TCERG1 gene;****sequence variation**

name of component: transcription elongation regu-
lator 1 (CA150)

[NPU43796](#)

DNA(spec.)—TCERG1 gene; seq.var. = ?

DNA(specification)—**TCF1 gene;****sequence variation**

name of component: transcription factor 1, hepatic;
LF-B1, hepatic nuclear factor (HNF1), albumin
proximal factor

[NPU19237](#)

DNA(spec.)—TCF1 gene; seq.var. = ?

DNA(specification)—**TCF12 gene;****sequence variation**

name of component: transcription factor 12 (HTF4, helix-loop-helix transcription factors 4)

[NPU40649](#)

DNA(spec.)—TCF12 gene; seq.var. = ?

DNA(specification)—**TCF15 gene;****sequence variation**

name of component: transcription factor 15 (basic helix-loop-helix)

[NPU40650](#)

DNA(spec.)—TCF15 gene; seq.var. = ?

DNA(specification)—**TCF19 gene;****sequence variation**

name of component: transcription factor 19 (SC1)

[NPU40652](#)

DNA(spec.)—TCF19 gene; seq.var. = ?

DNA(specification)—**TCF2 gene;****sequence variation**

name of component: transcription factor 2, hepatic; LF-B3; variant hepatic nuclear factor

[NPU40653](#)

DNA(spec.)—TCF2 gene; seq.var. = ?

DNA(specification)—**TCF20 gene;****sequence variation**

name of component: transcription factor 20 (AR1)

[NPU40654](#)

DNA(spec.)—TCF20 gene; seq.var. = ?

DNA(specification)—**TCF21 gene;****sequence variation**

name of component: transcription factor 21

[NPU40655](#)

DNA(spec.)—TCF21 gene; seq.var. = ?

DNA(specification)—**TCF23 gene;****sequence variation**

name of component: transcription factor 23

[NPU46570](#)

DNA(spec.)—TCF23 gene; seq.var. = ?

DNA(specification)—**TCF3 gene;****sequence variation**

name of component: transcription factor 3 (E2A immunoglobulin enhancer binding factors E12/E47)

[NPU40656](#)

DNA(spec.)—TCF3 gene; seq.var. = ?

DNA(specification)—**TCF4 gene;****sequence variation**

name of component: transcription factor 4

[NPU40657](#)

DNA(spec.)—TCF4 gene; seq.var. = ?

DNA(specification)—**TCF6L1 gene;****sequence variation**

name of component: transcription factor 6-like 1 (mitochondrial transcription factor 1-like)

[NPU40658](#)

DNA(spec.)—TCF6L1 gene; seq.var. = ?

DNA(specification)—**TCF6L3 gene;****sequence variation**

name of component: transcription factor 6-like 3 (mitochondrial transcription factor 1-like)

[NPU40659](#)

DNA(spec.)—TCF6L3 gene; seq.var. = ?

DNA(specification)—**TCF7 gene;****sequence variation**

name of component: transcription factor 7 (T-cell specific, HMG-box)

[NPU40660](#)

DNA(spec.)—TCF7 gene; seq.var. = ?

DNA(specification)—**TCF7L1 gene;****sequence variation**

name of component: transcription factor 7-like 1 (T-cell specific, HMG-box)

[NPU40661](#)

DNA(spec.)—TCF7L1 gene; seq.var. = ?

DNA(specification)—**TCF7L2 gene;****sequence variation**

name of component: transcription factor 7-like 2 (T-cell specific, HMG-box)

[NPU40662](#)

DNA(spec.)—TCF7L2 gene; seq.var. = ?

DNA(specification)—**TCF8 gene;****sequence variation**

name of component: transcription factor 8 (represses interleukin 2 expression)

[NPU40663](#)

DNA(spec.)—TCF8 gene; seq.var. = ?

DNA(specification)—**TCFL1 gene;****sequence variation**

name of component: transcription factor-like 1

[NPU40664](#)

DNA(spec.)—TCFL1 gene; seq.var. = ?

DNA(specification)—**TCFL4 gene;****sequence variation**

name of component: transcription factor-like 4

[NPU40665](#)

DNA(spec.)—TCFL4 gene; seq.var. = ?

DNA(specification)—**TCFL5 gene;****sequence variation**

name of component: transcription factor-like 5 (basic helix-loop-helix)

[NPU40666](#)

DNA(spec.)—TCFL5 gene; seq.var. = ?

DNA(specification)—**TCIRG1 gene;****sequence variation**name of component: T-cell, immune regulator 1, ATPase, H⁺ transporting, lysosomal V0 protein a isoform 3[NPU40667](#)

DNA(spec.)—TCIRG1 gene; seq.var. = ?

DNA(specification)—**TCL1A gene;****sequence variation**

name of component: T-cell leukemia/lymphoma 1A

[NPU40668](#)

DNA(spec.)—TCL1A gene; seq.var. = ?

DNA(specification)—**TCL1B gene;****sequence variation**

name of component: T-cell leukemia/lymphoma 1B

[NPU40669](#)

DNA(spec.)—TCL1B gene; seq.var. = ?

DNA(specification)—**TCL4 gene;****sequence variation**

name of component: T-cell leukemia/lymphoma 4

[NPU40670](#)

DNA(spec.)—TCL4 gene; seq.var. = ?

DNA(specification)—**TCL6 gene;****sequence variation**

name of component: T-cell leukemia/lymphoma 6

[NPU42141](#)

DNA(spec.)—TCL6 gene; seq.var. = ?

DNA(specification)—**TCN1 gene;****sequence variation**

name of component: transcobalamin I (vitamin B12 binding protein, R binder family)

[NPU40671](#)

DNA(spec.)—TCN1 gene; seq.var. = ?

DNA(specification)—**TCN2 gene;****sequence variation**

name of component: transcobalamin II; macrocytic anemia

[NPU40672](#)

DNA(spec.)—TCN2 gene; seq.var. = ?

DNA(specification)—**TCOF1 gene;****sequence variation**

name of component: Treacher Collins-Franceschetti syndrome 1

[NPU40673](#)

DNA(spec.)—TCOF1 gene; seq.var. = ?

DNA(specification)—**TCP1 gene;****sequence variation**

name of component: t-complex 1

[NPU40674](#)

DNA(spec.)—TCP1 gene; seq.var. = ?

DNA(specification)—**TCP10 gene;****sequence variation**

name of component: t-complex 10 (mouse)

[NPU40675](#)

DNA(spec.)—TCP10 gene; seq.var. = ?

DNA(specification)—**TCP10L gene;****sequence variation**

name of component: t-complex 10 (mouse)-like

[NPU40676](#)

DNA(spec.)—TCP10L gene; seq.var. = ?

DNA(specification)—**TCP11 gene;****sequence variation**

name of component: t-complex 11 (mouse)

[NPU40677](#)

DNA(spec.)—TCP11 gene; seq.var. = ?

DNA(specification)—**TCP1L1 gene;****sequence variation**

name of component: t-complex 1-like 1

[NPU40678](#)

DNA(spec.)—TCP1L1 gene; seq.var. = ?

DNA(specification)—**TCP1L2 gene;****sequence variation**

name of component: t-complex 1-like 2

[NPU40679](#)

DNA(spec.)—TCP1L2 gene; seq.var. = ?

DNA(specification)—**TCTA gene;****sequence variation**

name of component: T-cell leukemia translocation altered gene

[NPU40680](#)

DNA(spec.)—TCTA gene; seq.var. = ?

DNA(specification)—**TCTE1 gene;****sequence variation**

name of component: t-complex-associated-testis-expressed 1

[NPU40681](#)

DNA(spec.)—TCTE1 gene; seq.var. = ?

DNA(specification)—**TCTE1L gene;****sequence variation**

name of component: t-complex-associated-testis-expressed 1-like

[NPU40682](#)

DNA(spec.)—TCTE1L gene; seq.var. = ?

DNA(specification)—**TCTE1P gene;****sequence variation**

name of component: t-complex-associated-testis-expressed 1 pseudogene

[NPU44552](#)

DNA(spec.)—TCTE1P gene; seq.var. = ?

DNA(specification)—**TCTE3 gene;****sequence variation**

name of component: t-complex-associated-testis-expressed 3

[NPU40683](#)

DNA(spec.)—TCTE3 gene; seq.var. = ?

DNA(specification)—**TCTEL1 gene;****sequence variation**

name of component: t-complex-associated-testis-expressed 1-like 1

[NPU40684](#)

DNA(spec.)—TCTEL1 gene; seq.var. = ?

DNA(specification)—**TDD gene;****sequence variation**

name of component: testicular 17,20-desmolase deficiency

[NPU40685](#)

DNA(spec.)—TDD gene; seq.var. = ?

DNA(specification)—**TDE1 gene;****sequence variation**

name of component: tumor differentially expressed 1

[NPU40686](#)

DNA(spec.)—TDE1 gene; seq.var. = ?

DNA(specification)—**TDG gene;****sequence variation**

name of component: thymine-DNA glycosylase

[NPU40687](#)

DNA(spec.)—TDG gene; seq.var. = ?

DNA(specification)—**TDGF1 gene;****sequence variation**

name of component: teratocarcinoma-derived growth factor 1

[NPU40688](#)

DNA(spec.)—TDGF1 gene; seq.var. = ?

DNA(specification)—**TDGF2 gene;****sequence variation**

name of component: teratocarcinoma-derived growth factor 2, pseudogene

[NPU40689](#)

DNA(spec.)—TDGF2 gene; seq.var. = ?

DNA(specification)—**TDGF3 gene;****sequence variation**

name of component: teratocarcinoma-derived growth factor 3, pseudogene

[NPU40690](#)

DNA(spec.)—TDGF3 gene; seq.var. = ?

DNA(specification)—**TDGF4 gene;****sequence variation**

name of component: teratocarcinoma-derived growth factor 4, pseudogene

[NPU40691](#)

DNA(spec.)—TDGF4 gene; seq.var. = ?

DNA(specification)—**TDGF5 gene;****sequence variation**

name of component: teratocarcinoma-derived growth factor 5, pseudogene

[NPU40692](#)

DNA(spec.)—TDGF5 gene; seq.var. = ?

DNA(specification)—**TDGF6 gene;****sequence variation**

name of component: teratocarcinoma-derived growth factor 6, pseudogene

[NPU40693](#)

DNA(spec.)—TDGF6 gene; seq.var. = ?

DNA(specification)—**TDGF7 gene;****sequence variation**

name of component: teratocarcinoma-derived growth factor 7, pseudogene

[NPU40694](#)

DNA(spec.)—TDGF7 gene; seq.var. = ?

DNA(specification)—**TDH gene;****sequence variation**

name of component: L-threonine dehydrogenase

[NPU43734](#)

DNA(spec.)—TDH gene; seq.var. = ?

DNA(specification)—**TDO2 gene;****sequence variation**

name of component: tryptophan 2,3-dioxygenase

[NPU40695](#)

DNA(spec.)—TDO2 gene; seq.var. = ?

DNA(specification)—**TDO2L1 gene;****sequence variation**

name of component: tryptophan 2,3-dioxygenase-like 1

[NPU40696](#)

DNA(spec.)—TDO2L1 gene; seq.var. = ?

DNA(specification)—**TDP1 gene;****sequence variation**

name of component: tyrosyl-DNA phosphodiesterase 1

[NPU46729](#)

DNA(spec.)—TDP1 gene; seq.var. = ?

DNA(specification)—**TDPX2 gene;****sequence variation**

name of component: thioredoxin-dependent peroxide reductase 2 (thiol-specific antioxidant 2, proliferation-associated gene B)

[NPU40697](#)

DNA(spec.)—TDPX2 gene; seq.var. = ?

DNA(specification)—**TDRD1 gene;****sequence variation**

name of component: tudor domain containing 1

[NPU40698](#)

DNA(spec.)—TDRD1 gene; seq.var. = ?

DNA(specification)—**TDRD3 gene;****sequence variation**

name of component: tudor domain containing 3

[NPU47680](#)

DNA(spec.)—TDRD3 gene; seq.var. = ?

DNA(specification)—**TDRD4 gene;****sequence variation**

name of component: tudor domain containing 4

[NPU47681](#)

DNA(spec.)—TDRD4 gene; seq.var. = ?

DNA(specification)—**TDRD5 gene;****sequence variation**

name of component: tudor domain containing 5

[NPU47682](#)

DNA(spec.)—TDRD5 gene; seq.var. = ?

DNA(specification)—**TDRKH gene;****sequence variation**

name of component: tudor and KH domain containing protein

[NPU40699](#)

DNA(spec.)—TDRKH gene; seq.var. = ?

DNA(specification)—**TEAD1 gene;****sequence variation**

name of component: TEA domain family member 1 (SV40 transcriptional enhancer factor)

[NPU40700](#)

DNA(spec.)—TEAD1 gene; seq.var. = ?

DNA(specification)—**TEAD2 gene;****sequence variation**

name of component: TEA domain family member 2

[NPU40701](#)

DNA(spec.)—TEAD2 gene; seq.var. = ?

DNA(specification)—**TEAD3 gene;****sequence variation**

name of component: TEA domain family member
3

[NPU40702](#)

DNA(spec.)—TEAD3 gene; seq.var. = ?

DNA(specification)—**TEAD4 gene;****sequence variation**

name of component: TEA domain family member
4

[NPU40703](#)

DNA(spec.)—TEAD4 gene; seq.var. = ?

DNA(specification)—**TEC gene;****sequence variation**

name of component: tec protein tyrosine kinase

[NPU40704](#)

DNA(spec.)—TEC gene; seq.var. = ?

DNA(specification)—**TECTA gene;****sequence variation**

name of component: tectorin alpha

[NPU40705](#)

DNA(spec.)—TECTA gene; seq.var. = ?

DNA(specification)—**TECTB gene;****sequence variation**

name of component: tectorin beta

[NPU40706](#)

DNA(spec.)—TECTB gene; seq.var. = ?

DNA(specification)—**TEF gene;****sequence variation**

name of component: thyrotrophic embryonic factor

[NPU40707](#)

DNA(spec.)—TEF gene; seq.var. = ?

DNA(specification)—**TEGT gene;****sequence variation**

name of component: testis enhanced gene transcript (BAX inhibitor 1)

[NPU40708](#)

DNA(spec.)—TEGT gene; seq.var. = ?

DNA(specification)—**TEK gene;****sequence variation**

name of component: TEK tyrosine kinase, endothelial (venous malformations, multiple cutaneous and mucosal)

[NPU40709](#)

DNA(spec.)—TEK gene; seq.var. = ?

DNA(specification)—**TEKT1 gene;****sequence variation**

name of component: tektin 1

[NPU43727](#)

DNA(spec.)—TEKT1 gene; seq.var. = ?

DNA(specification)—**TEKT2 gene;****sequence variation**

name of component: tektin 2 (testicular)

[NPU40710](#)

DNA(spec.)—TEKT2 gene; seq.var. = ?

DNA(specification)—**TEKT3 gene;****sequence variation**

name of component: tektin 3

[NPU42653](#)

DNA(spec.)—TEKT3 gene; seq.var. = ?

DNA(specification)—**TELAB1 gene;****sequence variation**

name of component: telangiectasia, benign 1

[NPU47713](#)

DNA(spec.)—TELAB1 gene; seq.var. = ?

DNA(specification)—**TENC1 gene;****sequence variation**

name of component: tensin like C1 domain-containing phosphatase

[NPU47171](#)

DNA(spec.)—TENC1 gene; seq.var. = ?

DNA(specification)—**TEP1 gene;****sequence variation**

name of component: telomerase-associated protein 1

[NPU40711](#)

DNA(spec.)—TEP1 gene; seq.var. = ?

DNA(specification)—**TERC gene;****sequence variation**

name of component: telomerase RNA component

[NPU40712](#)

DNA(spec.)—TERC gene; seq.var. = ?

DNA(specification)—**TERF1 gene;****sequence variation**

name of component: telomeric repeat binding factor (NIMA-interacting) 1

[NPU40713](#)

DNA(spec.)—TERF1 gene; seq.var. = ?

DNA(specification)—**TERF2 gene;****sequence variation**

name of component: telomeric repeat binding factor 2

[NPU40714](#)

DNA(spec.)—TERF2 gene; seq.var. = ?

DNA(specification)—**TERF2IP gene;****sequence variation**

name of component: telomeric repeat binding factor 2, interacting protein

[NPU46933](#)

DNA(spec.)—TERF2IP gene; seq.var. = ?

DNA(specification)—**TERF2IPP1 gene;****sequence variation**

name of component: telomeric repeat binding factor 2, interacting protein pseudogene 1

[NPU46942](#)

DNA(spec.)—TERF2IPP1 gene; seq.var. = ?

DNA(specification)—**TERT gene;****sequence variation**

name of component: telomerase reverse transcriptase

[NPU40715](#)

DNA(spec.)—TERT gene; seq.var. = ?

DNA(specification)—**TES gene;****sequence variation**

name of component: testis derived transcript (3 LIM domains)

[NPU42900](#)

DNA(spec.)—TES gene; seq.var. = ?

DNA(specification)—**TESK1 gene;****sequence variation**

name of component: testis-specific kinase 1

[NPU40716](#)

DNA(spec.)—TESK1 gene; seq.var. = ?

DNA(specification)—**TESK2 gene;****sequence variation**

name of component: testis-specific kinase 2

[NPU40717](#)

DNA(spec.)—TESK2 gene; seq.var. = ?

DNA(specification)—**TEX11 gene;****sequence variation**

name of component: testis expressed sequence 11

[NPU40718](#)

DNA(spec.)—TEX11 gene; seq.var. = ?

DNA(specification)—**TEX12 gene;****sequence variation**

name of component: testis expressed sequence 12

[NPU40719](#)

DNA(spec.)—TEX12 gene; seq.var. = ?

DNA(specification)—**TEX13A gene;****sequence variation**

name of component: testis expressed sequence 13A

[NPU40720](#)

DNA(spec.)—TEX13A gene; seq.var. = ?

DNA(specification)—**TEX13B gene;****sequence variation**

name of component: testis expressed sequence 13B

[NPU40721](#)

DNA(spec.)—TEX13B gene; seq.var. = ?

DNA(specification)—**TEX14 gene;****sequence variation**

name of component: testis expressed sequence 14

[NPU40722](#)

DNA(spec.)—TEX14 gene; seq.var. = ?

DNA(specification)—**TEX15 gene;****sequence variation**

name of component: testis expressed sequence 15

[NPU40723](#)

DNA(spec.)—TEX15 gene; seq.var. = ?

DNA(specification)—**TEX27 gene;****sequence variation**

name of component: testis expressed sequence 27

[NPU46234](#)

DNA(spec.)—TEX27 gene; seq.var. = ?

DNA(specification)—**TEX4 gene;****sequence variation**

name of component: testis-expressed sequence 4

[NPU40724](#)

DNA(spec.)—TEX4 gene; seq.var. = ?

DNA(specification)—**TF gene;****sequence variation**

name of component: transferrin

[NPU40725](#)

DNA(spec.)—TF gene; seq.var. = ?

DNA(specification)—**TFAM gene;****sequence variation**

name of component: transcription factor A, mitochondrial

[NPU40726](#)

DNA(spec.)—TFAM gene; seq.var. = ?

DNA(specification)—**TFAP2A gene;****sequence variation**

name of component: transcription factor AP-2 alpha (activating enhancer binding protein 2 alpha)

[NPU40727](#)

DNA(spec.)—TFAP2A gene; seq.var. = ?

DNA(specification)—**TFAP2B gene;****sequence variation**

name of component: transcription factor AP-2 beta (activating enhancer binding protein 2 beta)

[NPU40728](#)

DNA(spec.)—TFAP2B gene; seq.var. = ?

DNA(specification)—**TFAP2BL1 gene;****sequence variation**

name of component: transcription factor AP-2 beta (activating enhancer binding protein 2 beta)-like 1

[NPU43758](#)

DNA(spec.)—TFAP2BL1 gene; seq.var. = ?

DNA(specification)—**TFAP2C gene;****sequence variation**

name of component: transcription factor AP-2 gamma (activating enhancer binding protein 2 gamma)

[NPU40729](#)

DNA(spec.)—TFAP2C gene; seq.var. = ?

DNA(specification)—**TFAP4 gene;****sequence variation**

name of component: transcription factor AP-4 (activating enhancer binding protein 4)

[NPU40730](#)

DNA(spec.)—TFAP4 gene; seq.var. = ?

DNA(specification)—**TFB1M gene;****sequence variation**

name of component: transcription factor B1, mitochondrial

[NPU44823](#)

DNA(spec.)—TFB1M gene; seq.var. = ?

DNA(specification)—**TFB2M gene;****sequence variation**

name of component: transcription factor B2, mitochondrial

[NPU46532](#)

DNA(spec.)—TFB2M gene; seq.var. = ?

DNA(specification)—**TFCP2 gene;****sequence variation**

name of component: transcription factor CP2

[NPU40731](#)

DNA(spec.)—TFCP2 gene; seq.var. = ?

DNA(specification)—**TFDP1 gene;****sequence variation**

name of component: transcription factor Dp-1

[NPU40732](#)

DNA(spec.)—TFDP1 gene; seq.var. = ?

DNA(specification)—**TFDP1P gene;****sequence variation**

name of component: transcription factor Dp-1 pseudogene

[NPU40733](#)

DNA(spec.)—TFDP1P gene; seq.var. = ?

DNA(specification)—**TFDP2 gene;****sequence variation**

name of component: transcription factor Dp-2 (E2F dimerization partner 2)

[NPU40734](#)

DNA(spec.)—TFDP2 gene; seq.var. = ?

DNA(specification)—**TFE3 gene;****sequence variation**

name of component: transcription factor binding to IGHM enhancer 3

[NPU40735](#)

DNA(spec.)—TFE3 gene; seq.var. = ?

DNA(specification)—**TFEB gene;****sequence variation**

name of component: transcription factor EB

[NPU40736](#)

DNA(spec.)—TFEB gene; seq.var. = ?

DNA(specification)—**TFEC gene;****sequence variation**

name of component: transcription factor EC

[NPU40737](#)

DNA(spec.)—TFEC gene; seq.var. = ?

DNA(specification)—**TFF1 gene;****sequence variation**

name of component: trefoil factor 1 (breast cancer, estrogen-inducible sequence expressed in)

[NPU40738](#)

DNA(spec.)—TFF1 gene; seq.var. = ?

DNA(specification)—**TFF2 gene;****sequence variation**

name of component: trefoil factor 2 (spasmodic protein 1)

[NPU40739](#)

DNA(spec.)—TFF2 gene; seq.var. = ?

DNA(specification)—**TFF3 gene;****sequence variation**

name of component: trefoil factor 3 (intestinal)

[NPU40740](#)

DNA(spec.)—TFF3 gene; seq.var. = ?

DNA(specification)—**TFG gene;****sequence variation**

name of component: TRK-fused gene

[NPU40741](#)

DNA(spec.)—TFG gene; seq.var. = ?

DNA(specification)—**TFIP11 gene;****sequence variation**

name of component: tuftelin interacting protein 11

[NPU44890](#)

DNA(spec.)—TFIP11 gene; seq.var. = ?

DNA(specification)—**TFP gene;****sequence variation**

name of component: transferrin pseudogene

[NPU40742](#)

DNA(spec.)—TFP gene; seq.var. = ?

DNA(specification)—**TFPI gene;****sequence variation**

name of component: tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor)

[NPU40743](#)

DNA(spec.)—TFPI gene; seq.var. = ?

DNA(specification)—**TFPI2 gene;****sequence variation**

name of component: tissue factor pathway inhibitor 2

[NPU40744](#)

DNA(spec.)—TFPI2 gene; seq.var. = ?

DNA(specification)—**TFPT gene;****sequence variation**

name of component: TCF3 (E2A) fusion partner (in childhood Leukemia)

[NPU42243](#)

DNA(spec.)—TFPT gene; seq.var. = ?

DNA(specification)—**TFR2 gene;****sequence variation**

name of component: transferrin receptor 2

[NPU40745](#)

DNA(spec.)—TFR2 gene; seq.var. = ?

DNA(specification)—**TFRC gene;****sequence variation**

name of component: transferrin receptor (p90, CD71)

[NPU40746](#)

DNA(spec.)—TFRC gene; seq.var. = ?

DNA(specification)—**TG gene;****sequence variation**

name of component: thyroglobulin

[NPU40747](#)

DNA(spec.)—TG gene; seq.var. = ?

DNA(specification)—**TGDS gene;****sequence variation**

name of component: TDP-glucose 4,6-dehydratase

[NPU47555](#)

DNA(spec.)—TGDS gene; seq.var. = ?

DNA(specification)—**TGFA gene;****sequence variation**

name of component: transforming growth factor, alpha

[NPU40748](#)

DNA(spec.)—TGFA gene; seq.var. = ?

DNA(specification)—**TGFB1 gene;****sequence variation**

name of component: transforming growth factor, beta 1 (Camurati-Engelmann disease)

[NPU40749](#)

DNA(spec.)—TGFB1 gene; seq.var. = ?

DNA(specification)—**TGFB1I1 gene;****sequence variation**

name of component: transforming growth factor beta 1 induced transcript 1

[NPU40750](#)

DNA(spec.)—TGFB1I1 gene; seq.var. = ?

DNA(specification)—**TGFB2 gene;****sequence variation**

name of component: transforming growth factor, beta 2

[NPU40751](#)

DNA(spec.)—TGFB2 gene; seq.var. = ?

DNA(specification)—**TGFB3 gene;****sequence variation**

name of component: transforming growth factor, beta 3

[NPU40752](#)

DNA(spec.)—TGFB3 gene; seq.var. = ?

DNA(specification)—**TGFB1 gene;****sequence variation**

name of component: transforming growth factor, beta-induced, 68 kDa

[NPU40753](#)

DNA(spec.)—TGFB1 gene; seq.var. = ?

DNA(specification)—**TGFB1 gene;****sequence variation**

name of component: transforming growth factor, beta receptor I (activin A receptor type II-like kinase, 53 kDa)

[NPU40754](#)

DNA(spec.)—TGFB1 gene; seq.var. = ?

DNA(specification)—**TGFB2 gene;****sequence variation**

name of component: transforming growth factor, beta receptor II (70/80 kDa)

[NPU40755](#)

DNA(spec.)—TGFB2 gene; seq.var. = ?

DNA(specification)—**TGFB3 gene;****sequence variation**

name of component: transforming growth factor, beta receptor III (betaglycan, 300 kDa)

[NPU40756](#)

DNA(spec.)—TGFB3 gene; seq.var. = ?

DNA(specification)—**TGFBAP1 gene;****sequence variation**

name of component: transforming growth factor, beta receptor associated protein 1

[NPU44731](#)

DNA(spec.)—TGFBAP1 gene; seq.var. = ?

DNA(specification)—**TGFBRE gene;****sequence variation**

name of component: transforming growth factor, beta-1 response element

[NPU40757](#)

DNA(spec.)—TGFBRE gene; seq.var. = ?

DNA(specification)—**TGIF gene;****sequence variation**

name of component: TGFB-induced factor (TALE family homeobox)

[NPU40758](#)

DNA(spec.)—TGIF gene; seq.var. = ?

DNA(specification)—**TGIF2 gene;****sequence variation**

name of component: TGFB-induced factor 2 (TALE family homeobox)

[NPU43881](#)

DNA(spec.)—TGIF2 gene; seq.var. = ?

DNA(specification)—**TGIF2LX gene;****sequence variation**

name of component: TGFB-induced factor 2-like, X-linked

[NPU46539](#)

DNA(spec.)—TGIF2LX gene; seq.var. = ?

DNA(specification)—**TGIF2LY gene;****sequence variation**

name of component: TGFB-induced factor 2-like,
Y-linked

[NPU46538](#)

DNA(spec.)—TGIF2LY gene; seq.var. = ?

DNA(specification)—**TGM1 gene;****sequence variation**

name of component: transglutaminase 1 (K poly-
peptide epidermal type I, protein-glutamine-
gamma-glutamyltransferase)

[NPU40759](#)

DNA(spec.)—TGM1 gene; seq.var. = ?

DNA(specification)—**TGM2 gene;****sequence variation**

name of component: transglutaminase 2 (C poly-
peptide, protein-glutamine-gamma-
glutamyltransferase)

[NPU40760](#)

DNA(spec.)—TGM2 gene; seq.var. = ?

DNA(specification)—**TGM3 gene;****sequence variation**

name of component: transglutaminase 3 (E poly-
peptide, protein-glutamine-gamma-
glutamyltransferase)

[NPU40761](#)

DNA(spec.)—TGM3 gene; seq.var. = ?

DNA(specification)—**TGM3L gene;****sequence variation**

name of component: transglutaminase 3-like

[NPU44295](#)

DNA(spec.)—TGM3L gene; seq.var. = ?

DNA(specification)—**TGM4 gene;****sequence variation**

name of component: transglutaminase 4 (prostate)

[NPU40762](#)

DNA(spec.)—TGM4 gene; seq.var. = ?

DNA(specification)—**TGM5 gene;****sequence variation**

name of component: transglutaminase 5

[NPU40763](#)

DNA(spec.)—TGM5 gene; seq.var. = ?

DNA(specification)—**TGOLN2 gene;****sequence variation**

name of component: trans-golgi network protein 2

[NPU43668](#)

DNA(spec.)—TGOLN2 gene; seq.var. = ?

DNA(specification)—**TH gene;****sequence variation**

name of component: tyrosine hydroxylase

[NPU40764](#)

DNA(spec.)—TH gene; seq.var. = ?

DNA(specification)—**TH1L gene;****sequence variation**

name of component: TH1-like (Drosophila)

[NPU44014](#)

DNA(spec.)—TH1L gene; seq.var. = ?

DNA(specification)—**THAS gene;****sequence variation**

name of component: thoracoabdominal syndrome

[NPU40765](#)

DNA(spec.)—THAS gene; seq.var. = ?

DNA(specification)—**THBD gene;****sequence variation**

name of component: thrombomodulin

[NPU40766](#)

DNA(spec.)—THBD gene; seq.var. = ?

DNA(specification)—**THBS1 gene;****sequence variation**

name of component: thrombospondin 1

[NPU40767](#)

DNA(spec.)—THBS1 gene; seq.var. = ?

DNA(specification)—**THBS2 gene;****sequence variation**

name of component: thrombospondin 2

[NPU40768](#)

DNA(spec.)—THBS2 gene; seq.var. = ?

DNA(specification)—**THBS3 gene;****sequence variation**

name of component: thrombospondin 3

[NPU40769](#)

DNA(spec.)—THBS3 gene; seq.var. = ?

DNA(specification)—**THBS4 gene;****sequence variation**

name of component: thrombospondin 4

[NPU40770](#)

DNA(spec.)—THBS4 gene; seq.var. = ?

DNA(specification)—**THC2 gene;****sequence variation**

name of component: thrombocytopenia 2 (autosomal dominant)

[NPU19200](#)

DNA(spec.)—THC2 gene; seq.var. = ?

DNA(specification)—**THEA gene;****sequence variation**

name of component: thioesterase, adipose associated

[NPU46332](#)

DNA(spec.)—THEA gene; seq.var. = ?

DNA(specification)—**THEG gene;****sequence variation**

name of component: Theg homolog (mouse)

[NPU42278](#)

DNA(spec.)—THEG gene; seq.var. = ?

DNA(specification)—**THEM2 gene;****sequence variation**

name of component: thioesterase superfamily member 2

[NPU47828](#)

DNA(spec.)—THEM2 gene; seq.var. = ?

DNA(specification)—**THH gene;****sequence variation**

name of component: trichohyalin

[NPU40771](#)

DNA(spec.)—THH gene; seq.var. = ?

DNA(specification)—**THM gene;****sequence variation**

name of component: thymoma

[NPU40772](#)

DNA(spec.)—THM gene; seq.var. = ?

DNA(specification)—**THOC1 gene;****sequence variation**

name of component: THO complex 1

[NPU46839](#)

DNA(spec.)—THOC1 gene; seq.var. = ?

DNA(specification)—**THOC2 gene;****sequence variation**

name of component: THO complex 2

[NPU46842](#)

DNA(spec.)—THOC2 gene; seq.var. = ?

DNA(specification)—**THOC3 gene;****sequence variation**

name of component: THO complex 3

[NPU46841](#)

DNA(spec.)—THOC3 gene; seq.var. = ?

DNA(specification)—**THOC4 gene;****sequence variation**

name of component: THO complex 4

[NPU46840](#)

DNA(spec.)—THOC4 gene; seq.var. = ?

DNA(specification)—**THOC5 gene;****sequence variation**

name of component: THO complex 5

[NPU46843](#)

DNA(spec.)—THOC5 gene; seq.var. = ?

DNA(specification)—**THOP1 gene;****sequence variation**

name of component: thimet oligopeptidase 1

[NPU40773](#)

DNA(spec.)—THOP1 gene; seq.var. = ?

DNA(specification)—**THPO gene;****sequence variation**

name of component: thrombopoietin (myeloproliferative leukemia virus oncogene ligand, megakaryocyte growth and development factor)

[NPU19249](#)

DNA(spec.)—THPO gene; seq.var. = ?

DNA(specification)—**THRA gene;****sequence variation**

name of component: thyroid hormone receptor, alpha (erythroblastic leukemia viral (v-erb-a) oncogene homolog, avian)

[NPU40774](#)

DNA(spec.)—THRA gene; seq.var. = ?

DNA(specification)—**THRB gene;****sequence variation**

name of component: thyroid hormone receptor, beta (erythroblastic leukemia viral (v-erb-a) onco-gene homolog 2, avian)

[NPU40775](#)

DNA(spec.)—THRB gene; seq.var. = ?

DNA(specification)—**THRSP gene;****sequence variation**

name of component: thyroid hormone responsive (SPOT14 homolog, rat)

[NPU40776](#)

DNA(spec.)—THRSP gene; seq.var. = ?

DNA(specification)—**THSD1 gene;****sequence variation**

name of component: thrombospondin, type I, domain 1

[NPU46087](#)

DNA(spec.)—THSD1 gene; seq.var. = ?

DNA(specification)—**THSD2 gene;****sequence variation**

name of component: thrombospondin, type I, domain 2

[NPU47783](#)

DNA(spec.)—THSD2 gene; seq.var. = ?

DNA(specification)—**THTPA gene;****sequence variation**

name of component: thiamine triphosphatase

[NPU46804](#)

DNA(spec.)—THTPA gene; seq.var. = ?

DNA(specification)—**THY1 gene;****sequence variation**

name of component: Thy-1 cell surface antigen

[NPU40777](#)

DNA(spec.)—THY1 gene; seq.var. = ?

DNA(specification)—**TIA1 gene;****sequence variation**

name of component: TIA1 cytotoxic granule-associated RNA binding protein

[NPU40778](#)

DNA(spec.)—TIA1 gene; seq.var. = ?

DNA(specification)—**TIAF1 gene;****sequence variation**

name of component: TGFB1-induced anti-apoptotic factor 1

[NPU40779](#)

DNA(spec.)—TIAF1 gene; seq.var. = ?

DNA(specification)—**TIAL1 gene;****sequence variation**

name of component: TIA1 cytotoxic granule-associated RNA binding protein-like 1

[NPU40780](#)

DNA(spec.)—TIAL1 gene; seq.var. = ?

DNA(specification)—**TIAM1 gene;****sequence variation**

name of component: T-cell lymphoma invasion and metastasis 1

[NPU40781](#)

DNA(spec.)—TIAM1 gene; seq.var. = ?

DNA(specification)—**TIAM2 gene;****sequence variation**

name of component: T-cell lymphoma invasion and metastasis 2

[NPU40782](#)

DNA(spec.)—TIAM2 gene; seq.var. = ?

DNA(specification)—**TIE gene;****sequence variation**

name of component: tyrosine kinase with immunoglobulin and epidermal growth factor homology domains

[NPU40784](#)

DNA(spec.)—TIE gene; seq.var. = ?

DNA(specification)—**TIEG gene;****sequence variation**

name of component: TGFB inducible early growth response

[NPU40785](#)

DNA(spec.)—TIEG gene; seq.var. = ?

DNA(specification)—**TIEG2 gene;****sequence variation**

name of component: TGFB inducible early growth response 2

[NPU40786](#)

DNA(spec.)—TIEG2 gene; seq.var. = ?

DNA(specification)—
TIF1 gene;
sequence variation
name of component: transcriptional intermediary factor 1
[NPU40787](#)
DNA(spec.)—TIF1 gene; seq.var. = ?

DNA(specification)—
TIGD1 gene;
sequence variation
name of component: tigger transposable element derived 1
[NPU42832](#)
DNA(spec.)—TIGD1 gene; seq.var. = ?

DNA(specification)—
TIGD2 gene;
sequence variation
name of component: tigger transposable element derived 2
[NPU46407](#)
DNA(spec.)—TIGD2 gene; seq.var. = ?

DNA(specification)—
TIGD3 gene;
sequence variation
name of component: tigger transposable element derived 3
[NPU46408](#)
DNA(spec.)—TIGD3 gene; seq.var. = ?

DNA(specification)—
TIGD4 gene;
sequence variation
name of component: tigger transposable element derived 4
[NPU46409](#)
DNA(spec.)—TIGD4 gene; seq.var. = ?

DNA(specification)—
TIGD5 gene;
sequence variation
name of component: tigger transposable element derived 5
[NPU46410](#)
DNA(spec.)—TIGD5 gene; seq.var. = ?

DNA(specification)—
TIGD6 gene;
sequence variation
name of component: tigger transposable element derived 6
[NPU46406](#)
DNA(spec.)—TIGD6 gene; seq.var. = ?

DNA(specification)—
TIGD7 gene;
sequence variation
name of component: tigger transposable element derived 7
[NPU46405](#)
DNA(spec.)—TIGD7 gene; seq.var. = ?

DNA(specification)—
TIMELESS gene;
sequence variation
name of component: timeless homolog (Drosophila)
[NPU40788](#)
DNA(spec.)—TIMELESS gene; seq.var. = ?

DNA(specification)—
TIMM10 gene;
sequence variation
name of component: translocase of inner mitochondrial membrane 10 homolog (yeast)
[NPU40789](#)
DNA(spec.)—TIMM10 gene; seq.var. = ?

DNA(specification)—
TIMM13 gene;
sequence variation
name of component: translocase of inner mitochondrial membrane 13 homolog (yeast)
[NPU40790](#)
DNA(spec.)—TIMM13 gene; seq.var. = ?

DNA(specification)—
TIMM17A gene;
sequence variation
name of component: translocase of inner mitochondrial membrane 17 homolog A (yeast)
[NPU44972](#)
DNA(spec.)—TIMM17A gene; seq.var. = ?

DNA(specification)—
TIMM17B gene;
sequence variation
name of component: translocase of inner mitochondrial membrane 17 homolog B (yeast)
[NPU44969](#)
DNA(spec.)—TIMM17B gene; seq.var. = ?

DNA(specification)—
TIMM22 gene;
sequence variation
name of component: translocase of inner mitochondrial membrane 22 homolog (yeast)
[NPU44974](#)
DNA(spec.)—TIMM22 gene; seq.var. = ?

DNA(specification)—
TIMM23 gene;
sequence variation
name of component: translocase of inner mitochondrial membrane 23 homolog (yeast)
[NPU44970](#)
DNA(spec.)—TIMM23 gene; seq.var. = ?

DNA(specification)—
TIMM44 gene;
sequence variation
name of component: translocase of inner mitochondrial membrane 44 homolog (yeast)
[NPU44973](#)
DNA(spec.)—TIMM44 gene; seq.var. = ?

DNA(specification)—
TIMM8A gene;
sequence variation
name of component: translocase of inner mitochondrial membrane 8 homolog A (yeast)
[NPU40791](#)
DNA(spec.)—TIMM8A gene; seq.var. = ?

DNA(specification)—
TIMM8B gene;
sequence variation
name of component: translocase of inner mitochondrial membrane 8 homolog B (yeast)
[NPU40792](#)
DNA(spec.)—TIMM8B gene; seq.var. = ?

DNA(specification)—
TIMM9 gene;
sequence variation
name of component: translocase of inner mitochondrial membrane 9 homolog (yeast)
[NPU40793](#)
DNA(spec.)—TIMM9 gene; seq.var. = ?

DNA(specification)—
TIMP1 gene;
sequence variation
name of component: tissue inhibitor of metalloproteinase 1 (erythroid potentiating activity, collagenase inhibitor)
[NPU40794](#)
DNA(spec.)—TIMP1 gene; seq.var. = ?

DNA(specification)—
TIMP2 gene;
sequence variation
name of component: tissue inhibitor of metalloproteinase 2
[NPU40795](#)
DNA(spec.)—TIMP2 gene; seq.var. = ?

DNA(specification)—
TIMP3 gene;
sequence variation
name of component: tissue inhibitor of metalloproteinase 3 (Sorsby fundus dystrophy, pseudoinflammatory)
[NPU40796](#)
DNA(spec.)—TIMP3 gene; seq.var. = ?

DNA(specification)—
TIMP4 gene;
sequence variation
name of component: tissue inhibitor of metalloproteinase 4
[NPU40797](#)
DNA(spec.)—TIMP4 gene; seq.var. = ?

DNA(specification)—
TINAG gene;
sequence variation
name of component: tubulointerstitial nephritis antigen
[NPU42887](#)
DNA(spec.)—TINAG gene; seq.var. = ?

DNA(specification)—
TINF2 gene;
sequence variation
name of component: TERF1 (TRF1)-interacting nuclear factor 2
[NPU40798](#)
DNA(spec.)—TINF2 gene; seq.var. = ?

DNA(specification)—
TITF1 gene;
sequence variation
name of component: thyroid transcription factor 1
[NPU40799](#)
DNA(spec.)—TITF1 gene; seq.var. = ?

DNA(specification)—
TIX1 gene;
sequence variation
name of component: triple homeobox 1
[NPU44015](#)
DNA(spec.)—TIX1 gene; seq.var. = ?

DNA(specification)—
TJP1 gene;
sequence variation
name of component: tight junction protein 1 (zona occludens 1)
[NPU40800](#)
DNA(spec.)—TJP1 gene; seq.var. = ?

DNA(specification)—**TJP1P gene;****sequence variation**

name of component: tight junction protein 1 (zonula occludens 1) pseudogene

[NPU42560](#)

DNA(spec.)—TJP1P gene; seq.var. = ?

DNA(specification)—**TJP2 gene;****sequence variation**

name of component: tight junction protein 2 (zona occludens 2)

[NPU40801](#)

DNA(spec.)—TJP2 gene; seq.var. = ?

DNA(specification)—**TJP3 gene;****sequence variation**

name of component: tight junction protein 3 (zona occludens 3)

[NPU40802](#)

DNA(spec.)—TJP3 gene; seq.var. = ?

DNA(specification)—**TJP4 gene;****sequence variation**

name of component: tight junction protein 4 (peripheral)

[NPU46187](#)

DNA(spec.)—TJP4 gene; seq.var. = ?

DNA(specification)—**TK1 gene;****sequence variation**

name of component: thymidine kinase 1, soluble

[NPU40803](#)

DNA(spec.)—TK1 gene; seq.var. = ?

DNA(specification)—**TK2 gene;****sequence variation**

name of component: thymidine kinase 2, mitochondrial

[NPU40804](#)

DNA(spec.)—TK2 gene; seq.var. = ?

DNA(specification)—**TKCR gene;****sequence variation**

name of component: torticollis, keloids, cryptorchidism and renal dysplasia

[NPU40805](#)

DNA(spec.)—TKCR gene; seq.var. = ?

DNA(specification)—**TKT gene;****sequence variation**

name of component: transketolase (Wernicke-Korsakoff syndrome)

[NPU40806](#)

DNA(spec.)—TKT gene; seq.var. = ?

DNA(specification)—**TKTL1 gene;****sequence variation**

name of component: transketolase-like 1

[NPU40807](#)

DNA(spec.)—TKTL1 gene; seq.var. = ?

DNA(specification)—**TLE1 gene;****sequence variation**

name of component: transducin-like enhancer of split 1 (E(sp1) homolog, Drosophila)

[NPU40808](#)

DNA(spec.)—TLE1 gene; seq.var. = ?

DNA(specification)—**TLE2 gene;****sequence variation**

name of component: transducin-like enhancer of split 2 (E(sp1) homolog, Drosophila)

[NPU40809](#)

DNA(spec.)—TLE2 gene; seq.var. = ?

DNA(specification)—**TLE3 gene;****sequence variation**

name of component: transducin-like enhancer of split 3 (E(sp1) homolog, Drosophila)

[NPU40810](#)

DNA(spec.)—TLE3 gene; seq.var. = ?

DNA(specification)—**TLE4 gene;****sequence variation**

name of component: transducin-like enhancer of split 4 (E(sp1) homolog, Drosophila)

[NPU40811](#)

DNA(spec.)—TLE4 gene; seq.var. = ?

DNA(specification)—**TLK1 gene;****sequence variation**

name of component: tousled-like kinase 1

[NPU40812](#)

DNA(spec.)—TLK1 gene; seq.var. = ?

DNA(specification)—**TLK2 gene;****sequence variation**

name of component: tousled-like kinase 2

[NPU40813](#)

DNA(spec.)—TLK2 gene; seq.var. = ?

DNA(specification)—**TLL1 gene;****sequence variation**

name of component: tolloid-like 1

[NPU40814](#)

DNA(spec.)—TLL1 gene; seq.var. = ?

DNA(specification)—**TLL2 gene;****sequence variation**

name of component: tolloid-like 2

[NPU40815](#)

DNA(spec.)—TLL2 gene; seq.var. = ?

DNA(specification)—**TLN1 gene;****sequence variation**

name of component: talin 1

[NPU40816](#)

DNA(spec.)—TLN1 gene; seq.var. = ?

DNA(specification)—**TLN2 gene;****sequence variation**

name of component: talin 2

[NPU43666](#)

DNA(spec.)—TLN2 gene; seq.var. = ?

DNA(specification)—**TLOC1 gene;****sequence variation**

name of component: translocation protein 1

[NPU40817](#)

DNA(spec.)—TLOC1 gene; seq.var. = ?

DNA(specification)—**TLR1 gene;****sequence variation**

name of component: toll-like receptor 1

[NPU40818](#)

DNA(spec.)—TLR1 gene; seq.var. = ?

DNA(specification)—**TLR10 gene;****sequence variation**

name of component: toll-like receptor 10

[NPU43800](#)

DNA(spec.)—TLR10 gene; seq.var. = ?

DNA(specification)—**TLR2 gene;****sequence variation**

name of component: toll-like receptor 2

[NPU40819](#)

DNA(spec.)—TLR2 gene; seq.var. = ?

DNA(specification)—**TLR3 gene;****sequence variation**

name of component: toll-like receptor 3

[NPU40820](#)

DNA(spec.)—TLR3 gene; seq.var. = ?

DNA(specification)—**TLR4 gene;****sequence variation**

name of component: toll-like receptor 4

[NPU40821](#)

DNA(spec.)—TLR4 gene; seq.var. = ?

DNA(specification)—**TLR5 gene;****sequence variation**

name of component: toll-like receptor 5

[NPU40822](#)

DNA(spec.)—TLR5 gene; seq.var. = ?

DNA(specification)—**TLR6 gene;****sequence variation**

name of component: toll-like receptor 6

[NPU44652](#)

DNA(spec.)—TLR6 gene; seq.var. = ?

DNA(specification)—**TLR7 gene;****sequence variation**

name of component: toll-like receptor 7

[NPU43797](#)

DNA(spec.)—TLR7 gene; seq.var. = ?

DNA(specification)—**TLR8 gene;****sequence variation**

name of component: toll-like receptor 8

[NPU43798](#)

DNA(spec.)—TLR8 gene; seq.var. = ?

DNA(specification)—**TLR9 gene;****sequence variation**

name of component: toll-like receptor 9

[NPU43799](#)

DNA(spec.)—TLR9 gene; seq.var. = ?

DNA(specification)—**TLX1 gene;****sequence variation**

name of component: T-cell leukemia, homeobox 1

[NPU34090](#)

DNA(spec.)—TLX1 gene; seq.var. = ?

DNA(specification)—**TLX2 gene;****sequence variation**

name of component: T-cell leukemia, homeobox 2

[NPU34091](#)

DNA(spec.)—TLX2 gene; seq.var. = ?

DNA(specification)—**TLX3 gene;****sequence variation**

name of component: T-cell leukemia, homeobox 3

[NPU42176](#)

DNA(spec.)—TLX3 gene; seq.var. = ?

DNA(specification)—**TM4SF1 gene;****sequence variation**

name of component: transmembrane 4 superfamily member 1

[NPU40823](#)

DNA(spec.)—TM4SF1 gene; seq.var. = ?

DNA(specification)—**TM4SF11 gene;****sequence variation**

name of component: transmembrane 4 superfamily member 11 (plasmolipin)

[NPU46526](#)

DNA(spec.)—TM4SF11 gene; seq.var. = ?

DNA(specification)—**TM4SF2 gene;****sequence variation**

name of component: transmembrane 4 superfamily member 2

[NPU40824](#)

DNA(spec.)—TM4SF2 gene; seq.var. = ?

DNA(specification)—**TM4SF3 gene;****sequence variation**

name of component: transmembrane 4 superfamily member 3

[NPU40825](#)

DNA(spec.)—TM4SF3 gene; seq.var. = ?

DNA(specification)—**TM4SF4 gene;****sequence variation**

name of component: transmembrane 4 superfamily member 4

[NPU40826](#)

DNA(spec.)—TM4SF4 gene; seq.var. = ?

DNA(specification)—**TM4SF5 gene;****sequence variation**

name of component: transmembrane 4 superfamily member 5

[NPU40827](#)

DNA(spec.)—TM4SF5 gene; seq.var. = ?

DNA(specification)—**TM4SF6 gene;****sequence variation**

name of component: transmembrane 4 superfamily member 6

[NPU40828](#)

DNA(spec.)—TM4SF6 gene; seq.var. = ?

DNA(specification)—**TM4SF7 gene;****sequence variation**

name of component: transmembrane 4 superfamily member 7

[NPU40829](#)

DNA(spec.)—TM4SF7 gene; seq.var. = ?

DNA(specification)—**TM6SF1 gene;****sequence variation**

name of component: transmembrane 6 superfamily member 1

[NPU40830](#)

DNA(spec.)—TM6SF1 gene; seq.var. = ?

DNA(specification)—**TM6SF2 gene;****sequence variation**

name of component: transmembrane 6 superfamily member 2

[NPU40831](#)

DNA(spec.)—TM6SF2 gene; seq.var. = ?

DNA(specification)—**TM7SF1 gene;****sequence variation**

name of component: transmembrane 7 superfamily member 1 (upregulated in kidney)

[NPU40832](#)

DNA(spec.)—TM7SF1 gene; seq.var. = ?

DNA(specification)—**TM7SF2 gene;****sequence variation**

name of component: transmembrane 7 superfamily member 2

[NPU40833](#)

DNA(spec.)—TM7SF2 gene; seq.var. = ?

DNA(specification)—
TM9SF1 gene;
sequence variation
name of component: transmembrane 9 superfamily member 1
[NPU40834](#)
DNA(spec.)—TM9SF1 gene; seq.var. = ?

DNA(specification)—
TM9SF2 gene;
sequence variation
name of component: transmembrane 9 superfamily member 2
[NPU40835](#)
DNA(spec.)—TM9SF2 gene; seq.var. = ?

DNA(specification)—
TMC1 gene;
sequence variation
name of component: transmembrane, cochlear expressed, 1
[NPU44500](#)
DNA(spec.)—TMC1 gene; seq.var. = ?

DNA(specification)—
TMC2 gene;
sequence variation
name of component: transmembrane, cochlear expressed, 2
[NPU44509](#)
DNA(spec.)—TMC2 gene; seq.var. = ?

DNA(specification)—
TMEFF1 gene;
sequence variation
name of component: transmembrane protein with EGF-like and two follistatin-like domains 1
[NPU40836](#)
DNA(spec.)—TMEFF1 gene; seq.var. = ?

DNA(specification)—
TMEFF2 gene;
sequence variation
name of component: transmembrane protein with EGF-like and two follistatin-like domains 2
[NPU40837](#)
DNA(spec.)—TMEFF2 gene; seq.var. = ?

DNA(specification)—
TMEM1 gene;
sequence variation
name of component: transmembrane protein 1
[NPU40838](#)
DNA(spec.)—TMEM1 gene; seq.var. = ?

DNA(specification)—
TMEM10 gene;
sequence variation
name of component: transmembrane protein 10
[NPU47723](#)
DNA(spec.)—TMEM10 gene; seq.var. = ?

DNA(specification)—
TMEM2 gene;
sequence variation
name of component: transmembrane protein 2
[NPU40839](#)
DNA(spec.)—TMEM2 gene; seq.var. = ?

DNA(specification)—
TMEM4 gene;
sequence variation
name of component: transmembrane protein 4
[NPU42173](#)
DNA(spec.)—TMEM4 gene; seq.var. = ?

DNA(specification)—
TMEM5 gene;
sequence variation
name of component: transmembrane protein 5
[NPU42174](#)
DNA(spec.)—TMEM5 gene; seq.var. = ?

DNA(specification)—
TMEM6 gene;
sequence variation
name of component: transmembrane protein 6
[NPU42559](#)
DNA(spec.)—TMEM6 gene; seq.var. = ?

DNA(specification)—
TMEM7 gene;
sequence variation
name of component: transmembrane protein 7
[NPU43749](#)
DNA(spec.)—TMEM7 gene; seq.var. = ?

DNA(specification)—
TMEM8 gene;
sequence variation
name of component: transmembrane protein 8 (five membrane-spanning domains)
[NPU44916](#)
DNA(spec.)—TMEM8 gene; seq.var. = ?

DNA(specification)—
TMEM9 gene;
sequence variation
name of component: transmembrane protein 9
[NPU46684](#)
DNA(spec.)—TMEM9 gene; seq.var. = ?

DNA(specification)—
TMEPAI gene;
sequence variation
name of component: transmembrane, prostate androgen induced RNA
[NPU42515](#)
DNA(spec.)—TMEPAI gene; seq.var. = ?

DNA(specification)—
TMF1 gene;
sequence variation
name of component: TATA element modulatory factor 1
[NPU40840](#)
DNA(spec.)—TMF1 gene; seq.var. = ?

DNA(specification)—
TMLHE gene;
sequence variation
name of component: trimethyllysine hydroxylase, epsilon
[NPU46393](#)
DNA(spec.)—TMLHE gene; seq.var. = ?

DNA(specification)—
TMOD1 gene;
sequence variation
name of component: tropomodulin 1
[NPU40841](#)
DNA(spec.)—TMOD1 gene; seq.var. = ?

DNA(specification)—
TMOD2 gene;
sequence variation
name of component: tropomodulin 2 (neuronal)
[NPU40842](#)
DNA(spec.)—TMOD2 gene; seq.var. = ?

DNA(specification)—
TMOD3 gene;
sequence variation
name of component: tropomodulin 3 (ubiquitous)
[NPU40843](#)
DNA(spec.)—TMOD3 gene; seq.var. = ?

DNA(specification)—
TMOD4 gene;
sequence variation
name of component: tropomodulin 4 (muscle)
[NPU40844](#)
DNA(spec.)—TMOD4 gene; seq.var. = ?

DNA(specification)—
TMPO gene;
sequence variation
name of component: thymopoietin
[NPU40845](#)
DNA(spec.)—TMPO gene; seq.var. = ?

DNA(specification)—
TMPRSS2 gene;
sequence variation
name of component: transmembrane protease, serine 2
[NPU40846](#)
DNA(spec.)—TMPRSS2 gene; seq.var. = ?

DNA(specification)—
TMPRSS3 gene;
sequence variation
name of component: transmembrane protease, serine 3
[NPU40847](#)
DNA(spec.)—TMPRSS3 gene; seq.var. = ?

DNA(specification)—
TMPRSS4 gene;
sequence variation
name of component: transmembrane protease, serine 4
[NPU40848](#)
DNA(spec.)—TMPRSS4 gene; seq.var. = ?

DNA(specification)—
TMPRSS5 gene;
sequence variation
name of component: transmembrane protease, serine 5 (spinesin)
[NPU43157](#)
DNA(spec.)—TMPRSS5 gene; seq.var. = ?

DNA(specification)—
TMSB10 gene;
sequence variation
name of component: thymosin, beta 10
[NPU40849](#)
DNA(spec.)—TMSB10 gene; seq.var. = ?

DNA(specification)—
TMSB4L gene;
sequence variation
name of component: thymosin, beta 4-like
[NPU43905](#)
DNA(spec.)—TMSB4L gene; seq.var. = ?

DNA(specification)—
TMSB4X gene;
sequence variation
name of component: thymosin, beta 4, X chromosome
[NPU40850](#)
DNA(spec.)—TMSB4X gene; seq.var. = ?

DNA(specification)—
TMSB4Y gene;
sequence variation
name of component: thymosin, beta 4, Y chromosome
[NPU40851](#)
DNA(spec.)—TMSB4Y gene; seq.var. = ?

DNA(specification)—
TMSL1 gene;
sequence variation
name of component: thymosin-like 1
[NPU40852](#)
DNA(spec.)—TMSL1 gene; seq.var. = ?

DNA(specification)—
TMSL2 gene;
sequence variation
name of component: thymosin-like 2
[NPU40853](#)
DNA(spec.)—TMSL2 gene; seq.var. = ?

DNA(specification)—
TMSL3 gene;
sequence variation
name of component: thymosin-like 3
[NPU40854](#)
DNA(spec.)—TMSL3 gene; seq.var. = ?

DNA(specification)—
TMSL4 gene;
sequence variation
name of component: thymosin-like 4
[NPU40855](#)
DNA(spec.)—TMSL4 gene; seq.var. = ?

DNA(specification)—
TMSL5 gene;
sequence variation
name of component: thymosin-like 5
[NPU40856](#)
DNA(spec.)—TMSL5 gene; seq.var. = ?

DNA(specification)—
TMSL6 gene;
sequence variation
name of component: thymosin-like 6
[NPU40857](#)
DNA(spec.)—TMSL6 gene; seq.var. = ?

DNA(specification)—
TMSL7 gene;
sequence variation
name of component: thymosin-like 7
[NPU40858](#)
DNA(spec.)—TMSL7 gene; seq.var. = ?

DNA(specification)—
TNA gene;
sequence variation
name of component: tetranectin (plasminogen binding protein)
[NPU40859](#)
DNA(spec.)—TNA gene; seq.var. = ?

DNA(specification)—
TNC gene;
sequence variation
name of component: tenascin C (hexabrachion)
[NPU34284](#)
DNA(spec.)—TNC gene; seq.var. = ?

DNA(specification)—
TNF gene;
sequence variation
name of component: tumor necrosis factor (TNF superfamily, member 2)
[NPU40860](#)
DNA(spec.)—TNF gene; seq.var. = ?

DNA(specification)—
TNFAIP1 gene;
sequence variation
name of component: tumor necrosis factor, alpha-induced protein 1 (endothelial)
[NPU40861](#)
DNA(spec.)—TNFAIP1 gene; seq.var. = ?

DNA(specification)—
TNFAIP2 gene;
sequence variation
name of component: tumor necrosis factor, alpha-induced protein 2
[NPU40862](#)
DNA(spec.)—TNFAIP2 gene; seq.var. = ?

DNA(specification)—
TNFAIP3 gene;
sequence variation
name of component: tumor necrosis factor, alpha-induced protein 3
[NPU40863](#)
DNA(spec.)—TNFAIP3 gene; seq.var. = ?

DNA(specification)—
TNFAIP5 gene;
sequence variation
name of component: tumor necrosis factor, alpha-induced protein 5
[NPU40864](#)
DNA(spec.)—TNFAIP5 gene; seq.var. = ?

DNA(specification)—**TNFAIP6 gene;****sequence variation**

name of component: tumor necrosis factor, alpha-induced protein 6

[NPU40865](#)

DNA(spec.)—TNFAIP6 gene; seq.var. = ?

DNA(specification)—**TNFAIP7 gene;****sequence variation**

name of component: tumor necrosis factor, alpha-induced protein 7

[NPU40866](#)

DNA(spec.)—TNFAIP7 gene; seq.var. = ?

DNA(specification)—**TNFRSF10A gene;****sequence variation**

name of component: tumor necrosis factor receptor superfamily, member 10a

[NPU40867](#)

DNA(spec.)—TNFRSF10A gene; seq.var. = ?

DNA(specification)—**TNFRSF10B gene;****sequence variation**

name of component: tumor necrosis factor receptor superfamily, member 10b

[NPU40868](#)

DNA(spec.)—TNFRSF10B gene; seq.var. = ?

DNA(specification)—**TNFRSF10C gene;****sequence variation**

name of component: tumor necrosis factor receptor superfamily, member 10c, decoy without an intracellular domain

[NPU40869](#)

DNA(spec.)—TNFRSF10C gene; seq.var. = ?

DNA(specification)—**TNFRSF10D gene;****sequence variation**

name of component: tumor necrosis factor receptor superfamily, member 10d, decoy with truncated death domain

[NPU40870](#)

DNA(spec.)—TNFRSF10D gene; seq.var. = ?

DNA(specification)—**TNFRSF11A gene;****sequence variation**

name of component: tumor necrosis factor receptor superfamily, member 11a, activator of NFkB

[NPU40871](#)

DNA(spec.)—TNFRSF11A gene; seq.var. = ?

DNA(specification)—**TNFRSF11B gene;****sequence variation**

name of component: tumor necrosis factor receptor superfamily, member 11b (osteoprotegerin)

[NPU40872](#)

DNA(spec.)—TNFRSF11B gene; seq.var. = ?

DNA(specification)—**TNFRSF12A gene;****sequence variation**

name of component: tumor necrosis factor receptor superfamily, member 12A

[NPU46328](#)

DNA(spec.)—TNFRSF12A gene; seq.var. = ?

DNA(specification)—**TNFRSF12L gene;****sequence variation**

name of component: tumor necrosis factor receptor superfamily, member 12-like

[NPU40874](#)

DNA(spec.)—TNFRSF12L gene; seq.var. = ?

DNA(specification)—**TNFRSF13B gene;****sequence variation**

name of component: tumor necrosis factor receptor superfamily, member 13B

[NPU46329](#)

DNA(spec.)—TNFRSF13B gene; seq.var. = ?

DNA(specification)—**TNFRSF13C gene;****sequence variation**

name of component: tumor necrosis factor receptor superfamily, member 13C

[NPU46088](#)

DNA(spec.)—TNFRSF13C gene; seq.var. = ?

DNA(specification)—**TNFRSF14 gene;****sequence variation**

name of component: tumor necrosis factor receptor superfamily, member 14 (herpesvirus entry mediator)

[NPU40875](#)

DNA(spec.)—TNFRSF14 gene; seq.var. = ?

DNA(specification)—**TNFRSF17 gene;****sequence variation**

name of component: tumor necrosis factor receptor superfamily, member 17

[NPU40876](#)

DNA(spec.)—TNFRSF17 gene; seq.var. = ?

DNA(specification)—
TNFRSF18 gene;
sequence variation
name of component: tumor necrosis factor receptor
superfamily, member 18
[NPU40877](#)
DNA(spec.)—TNFRSF18 gene; seq.var. = ?

DNA(specification)—
TNFRSF19 gene;
sequence variation
name of component: tumor necrosis factor receptor
superfamily, member 19
[NPU40878](#)
DNA(spec.)—TNFRSF19 gene; seq.var. = ?

DNA(specification)—
TNFRSF19L gene;
sequence variation
name of component: tumor necrosis factor receptor
superfamily, member 19-like
[NPU42317](#)
DNA(spec.)—TNFRSF19L gene; seq.var. = ?

DNA(specification)—
TNFRSF1A gene;
sequence variation
name of component: tumor necrosis factor receptor
superfamily, member 1A
[NPU40879](#)
DNA(spec.)—TNFRSF1A gene; seq.var. = ?

DNA(specification)—
TNFRSF1B gene;
sequence variation
name of component: tumor necrosis factor receptor
superfamily, member 1B
[NPU40880](#)
DNA(spec.)—TNFRSF1B gene; seq.var. = ?

DNA(specification)—
TNFRSF21 gene;
sequence variation
name of component: tumor necrosis factor receptor
superfamily, member 21
[NPU42142](#)
DNA(spec.)—TNFRSF21 gene; seq.var. = ?

DNA(specification)—
TNFRSF25 gene;
sequence variation
name of component: tumor necrosis factor receptor
superfamily, member 25
[NPU40873](#)
DNA(spec.)—TNFRSF25 gene; seq.var. = ?

DNA(specification)—
TNFRSF4 gene;
sequence variation
name of component: tumor necrosis factor receptor
superfamily, member 4
[NPU40881](#)
DNA(spec.)—TNFRSF4 gene; seq.var. = ?

DNA(specification)—
TNFRSF5 gene;
sequence variation
name of component: tumor necrosis factor receptor
superfamily, member 5
[NPU40882](#)
DNA(spec.)—TNFRSF5 gene; seq.var. = ?

DNA(specification)—
TNFRSF6 gene;
sequence variation
name of component: tumor necrosis factor receptor
superfamily, member 6
[NPU40883](#)
DNA(spec.)—TNFRSF6 gene; seq.var. = ?

DNA(specification)—
TNFRSF6B gene;
sequence variation
name of component: tumor necrosis factor receptor
superfamily, member 6b, decoy
[NPU40884](#)
DNA(spec.)—TNFRSF6B gene; seq.var. = ?

DNA(specification)—
TNFRSF7 gene;
sequence variation
name of component: tumor necrosis factor receptor
superfamily, member 7
[NPU40885](#)
DNA(spec.)—TNFRSF7 gene; seq.var. = ?

DNA(specification)—
TNFRSF8 gene;
sequence variation
name of component: tumor necrosis factor receptor
superfamily, member 8
[NPU40886](#)
DNA(spec.)—TNFRSF8 gene; seq.var. = ?

DNA(specification)—
TNFRSF9 gene;
sequence variation
name of component: tumor necrosis factor receptor
superfamily, member 9
[NPU40887](#)
DNA(spec.)—TNFRSF9 gene; seq.var. = ?

DNA(specification)—**TNFSF10 gene;****sequence variation**

name of component: tumor necrosis factor (ligand)
superfamily, member 10

[NPU40888](#)

DNA(spec.)—TNFSF10 gene; seq.var. = ?

DNA(specification)—**TNFSF11 gene;****sequence variation**

name of component: tumor necrosis factor (ligand)
superfamily, member 11

[NPU40889](#)

DNA(spec.)—TNFSF11 gene; seq.var. = ?

DNA(specification)—**TNFSF12 gene;****sequence variation**

name of component: tumor necrosis factor (ligand)
superfamily, member 12

[NPU40890](#)

DNA(spec.)—TNFSF12 gene; seq.var. = ?

DNA(specification)—**TNFSF13 gene;****sequence variation**

name of component: tumor necrosis factor (ligand)
superfamily, member 13

[NPU40891](#)

DNA(spec.)—TNFSF13 gene; seq.var. = ?

DNA(specification)—**TNFSF13B gene;****sequence variation**

name of component: tumor necrosis factor (ligand)
superfamily, member 13b

[NPU40892](#)

DNA(spec.)—TNFSF13B gene; seq.var. = ?

DNA(specification)—**TNFSF14 gene;****sequence variation**

name of component: tumor necrosis factor (ligand)
superfamily, member 14

[NPU40893](#)

DNA(spec.)—TNFSF14 gene; seq.var. = ?

DNA(specification)—**TNFSF15 gene;****sequence variation**

name of component: tumor necrosis factor (ligand)
superfamily, member 15

[NPU40894](#)

DNA(spec.)—TNFSF15 gene; seq.var. = ?

DNA(specification)—**TNFSF18 gene;****sequence variation**

name of component: tumor necrosis factor (ligand)
superfamily, member 18

[NPU40895](#)

DNA(spec.)—TNFSF18 gene; seq.var. = ?

DNA(specification)—**TNFSF4 gene;****sequence variation**

name of component: tumor necrosis factor (ligand)
superfamily, member 4 (tax-transcriptionally activated glycoprotein 1, 34 kDa)

[NPU40896](#)

DNA(spec.)—TNFSF4 gene; seq.var. = ?

DNA(specification)—**TNFSF5 gene;****sequence variation**

name of component: tumor necrosis factor (ligand)
superfamily, member 5 (hyper-IgM syndrome)

[NPU40897](#)

DNA(spec.)—TNFSF5 gene; seq.var. = ?

DNA(specification)—**TNFSF6 gene;****sequence variation**

name of component: tumor necrosis factor (ligand)
superfamily, member 6

[NPU40898](#)

DNA(spec.)—TNFSF6 gene; seq.var. = ?

DNA(specification)—**TNFSF7 gene;****sequence variation**

name of component: tumor necrosis factor (ligand)
superfamily, member 7

[NPU40899](#)

DNA(spec.)—TNFSF7 gene; seq.var. = ?

DNA(specification)—**TNFSF8 gene;****sequence variation**

name of component: tumor necrosis factor (ligand)
superfamily, member 8

[NPU40900](#)

DNA(spec.)—TNFSF8 gene; seq.var. = ?

DNA(specification)—**TNFSF9 gene;****sequence variation**

name of component: tumor necrosis factor (ligand)
superfamily, member 9

[NPU40901](#)

DNA(spec.)—TNFSF9 gene; seq.var. = ?

DNA(specification)—**TNIP1 gene;****sequence variation**

name of component: TNFAIP3 interacting protein 1

[NPU44765](#)

DNA(spec.)—TNIP1 gene; seq.var. = ?

DNA(specification)—**TNIP2 gene;****sequence variation**

name of component: TNFAIP3 interacting protein 2

[NPU46874](#)

DNA(spec.)—TNIP2 gene; seq.var. = ?

DNA(specification)—**TNIP3 gene;****sequence variation**

name of component: TNFAIP3 interacting protein 3

[NPU46967](#)

DNA(spec.)—TNIP3 gene; seq.var. = ?

DNA(specification)—**TNK1 gene;****sequence variation**

name of component: tyrosine kinase, non-receptor, 1

[NPU40902](#)

DNA(spec.)—TNK1 gene; seq.var. = ?

DNA(specification)—**TNKS gene;****sequence variation**

name of component: tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase

[NPU40903](#)

DNA(spec.)—TNKS gene; seq.var. = ?

DNA(specification)—**TNKS1BP1 gene;****sequence variation**

name of component: tankyrase 1 binding protein 1, 182 kDa

[NPU46849](#)

DNA(spec.)—TNKS1BP1 gene; seq.var. = ?

DNA(specification)—**TNKS2 gene;****sequence variation**

name of component: tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase 2

[NPU43817](#)

DNA(spec.)—TNKS2 gene; seq.var. = ?

DNA(specification)—**TNNC1 gene;****sequence variation**

name of component: troponin C, slow

[NPU40904](#)

DNA(spec.)—TNNC1 gene; seq.var. = ?

DNA(specification)—**TNNC2 gene;****sequence variation**

name of component: troponin C2, fast

[NPU40905](#)

DNA(spec.)—TNNC2 gene; seq.var. = ?

DNA(specification)—**TNNI1 gene;****sequence variation**

name of component: troponin I, skeletal, slow

[NPU40906](#)

DNA(spec.)—TNNI1 gene; seq.var. = ?

DNA(specification)—**TNNI2 gene;****sequence variation**

name of component: troponin I, skeletal, fast

[NPU40907](#)

DNA(spec.)—TNNI2 gene; seq.var. = ?

DNA(specification)—**TNNI3 gene;****sequence variation**

name of component: troponin I, cardiac

[NPU40908](#)

DNA(spec.)—TNNI3 gene; seq.var. = ?

DNA(specification)—**TNNT1 gene;****sequence variation**

name of component: troponin T1, skeletal, slow

[NPU40909](#)

DNA(spec.)—TNNT1 gene; seq.var. = ?

DNA(specification)—**TNNT2 gene;****sequence variation**

name of component: troponin T2, cardiac

[NPU40910](#)

DNA(spec.)—TNNT2 gene; seq.var. = ?

DNA(specification)—**TNNT3 gene;****sequence variation**

name of component: troponin T3, skeletal, fast

[NPU40911](#)

DNA(spec.)—TNNT3 gene; seq.var. = ?

DNA(specification)—**TNP1 gene;****sequence variation**

name of component: transition protein 1 (during histone to protamine replacement)

[NPU40912](#)

DNA(spec.)—TNP1 gene; seq.var. = ?

DNA(specification)—**TNP2 gene;****sequence variation**

name of component: transition protein 2 (during histone to protamine replacement)

[NPU40913](#)

DNA(spec.)—TNP2 gene; seq.var. = ?

DNA(specification)—**TNR gene;****sequence variation**

name of component: tenascin R (restrictin, janusin)

[NPU40914](#)

DNA(spec.)—TNR gene; seq.var. = ?

DNA(specification)—**TNR1 gene;****sequence variation**

name of component: Turner syndrome 1

[NPU40915](#)

DNA(spec.)—TNR1 gene; seq.var. = ?

DNA(specification)—**TNRC11 gene;****sequence variation**

name of component: trinucleotide repeat containing 11 (THR-associated protein, 230 kDa subunit)

[NPU40917](#)

DNA(spec.)—TNRC11 gene; seq.var. = ?

DNA(specification)—**TNRC13 gene;****sequence variation**

name of component: trinucleotide repeat containing 13

[NPU40919](#)

DNA(spec.)—TNRC13 gene; seq.var. = ?

DNA(specification)—**TNRC15 gene;****sequence variation**

name of component: trinucleotide repeat containing 15

[NPU40920](#)

DNA(spec.)—TNRC15 gene; seq.var. = ?

DNA(specification)—**TNRC17 gene;****sequence variation**

name of component: trinucleotide repeat containing 17

[NPU40921](#)

DNA(spec.)—TNRC17 gene; seq.var. = ?

DNA(specification)—**TNRC18 gene;****sequence variation**

name of component: trinucleotide repeat containing 18

[NPU40922](#)

DNA(spec.)—TNRC18 gene; seq.var. = ?

DNA(specification)—**TNRC21 gene;****sequence variation**

name of component: trinucleotide repeat containing 21

[NPU40924](#)

DNA(spec.)—TNRC21 gene; seq.var. = ?

DNA(specification)—**TNRC3 gene;****sequence variation**

name of component: trinucleotide repeat containing 3

[NPU40925](#)

DNA(spec.)—TNRC3 gene; seq.var. = ?

DNA(specification)—**TNRC4 gene;****sequence variation**

name of component: trinucleotide repeat containing 4

[NPU40926](#)

DNA(spec.)—TNRC4 gene; seq.var. = ?

DNA(specification)—**TNRC5 gene;****sequence variation**

name of component: trinucleotide repeat containing 5

[NPU40927](#)

DNA(spec.)—TNRC5 gene; seq.var. = ?

DNA(specification)—**TNRC6 gene;****sequence variation**

name of component: trinucleotide repeat containing 6

[NPU40928](#)

DNA(spec.)—TNRC6 gene; seq.var. = ?

DNA(specification)—**TNRC8 gene;****sequence variation**

name of component: trinucleotide repeat containing 8

[NPU40929](#)

DNA(spec.)—TNRC8 gene; seq.var. = ?

DNA(specification)—**TNRC9 gene;****sequence variation**

name of component: trinucleotide repeat containing 9

[NPU40930](#)

DNA(spec.)—TNRC9 gene; seq.var. = ?

DNA(specification)—**TNS gene;****sequence variation**

name of component: tensin

[NPU40931](#)

DNA(spec.)—TNS gene; seq.var. = ?

DNA(specification)—**TNXA gene;****sequence variation**

name of component: tenascin XA pseudogene

[NPU40932](#)

DNA(spec.)—TNXA gene; seq.var. = ?

DNA(specification)—**TNXB gene;****sequence variation**

name of component: tenascin XB

[NPU40933](#)

DNA(spec.)—TNXB gene; seq.var. = ?

DNA(specification)—**TOB1 gene;****sequence variation**

name of component: transducer of ERBB2, 1

[NPU40934](#)

DNA(spec.)—TOB1 gene; seq.var. = ?

DNA(specification)—**TOB2 gene;****sequence variation**

name of component: transducer of ERBB2, 2

[NPU40935](#)

DNA(spec.)—TOB2 gene; seq.var. = ?

DNA(specification)—**TOC gene;****sequence variation**

name of component: tylosis with oesophageal cancer

[NPU40936](#)

DNA(spec.)—TOC gene; seq.var. = ?

DNA(specification)—**TOE1 gene;****sequence variation**

name of component: target of EGR1, member 1 (nuclear)

[NPU44032](#)

DNA(spec.)—TOE1 gene; seq.var. = ?

DNA(specification)—**TOLLIP gene;****sequence variation**

name of component: toll interacting protein

[NPU44468](#)

DNA(spec.)—TOLLIP gene; seq.var. = ?

DNA(specification)—**TOM1 gene;****sequence variation**

name of component: target of myb1 (chicken)

[NPU40937](#)

DNA(spec.)—TOM1 gene; seq.var. = ?

DNA(specification)—**TOM1L1 gene;****sequence variation**

name of component: target of myb1-like 1 (chicken)

[NPU40938](#)

DNA(spec.)—TOM1L1 gene; seq.var. = ?

DNA(specification)—**TOM1L2 gene;****sequence variation**

name of component: target of myb1-like 2 (chicken)

[NPU40939](#)

DNA(spec.)—TOM1L2 gene; seq.var. = ?

DNA(specification)—**TOMM22 gene;****sequence variation**

name of component: translocase of outer mitochondrial membrane 22 homolog (yeast)

[NPU46219](#)

DNA(spec.)—TOMM22 gene; seq.var. = ?

DNA(specification)—**TOMM34 gene;****sequence variation**

name of component: translocase of outer mitochondrial membrane 34

[NPU43867](#)

DNA(spec.)—TOMM34 gene; seq.var. = ?

DNA(specification)—**TOMM40 gene;****sequence variation**

name of component: translocase of outer mitochondrial membrane 40 homolog (yeast)

[NPU46218](#)

DNA(spec.)—TOMM40 gene; seq.var. = ?

DNA(specification)—**TOMM70A gene;****sequence variation**

name of component: translocase of outer mitochondrial membrane 70 homolog A (yeast)

[NPU40940](#)

DNA(spec.)—TOMM70A gene; seq.var. = ?

DNA(specification)—**TOP1 gene;****sequence variation**

name of component: topoisomerase (DNA) I

[NPU40941](#)

DNA(spec.)—TOP1 gene; seq.var. = ?

DNA(specification)—**TOP1P1 gene;****sequence variation**

name of component: topoisomerase (DNA) I pseudogene 1

[NPU40942](#)

DNA(spec.)—TOP1P1 gene; seq.var. = ?

DNA(specification)—**TOP1P2 gene;****sequence variation**

name of component: topoisomerase (DNA) I pseudogene 2

[NPU40943](#)

DNA(spec.)—TOP1P2 gene; seq.var. = ?

DNA(specification)—**TOP2A gene;****sequence variation**

name of component: topoisomerase (DNA) II alpha 170 kDa

[NPU40944](#)

DNA(spec.)—TOP2A gene; seq.var. = ?

DNA(specification)—**TOP2B gene;****sequence variation**

name of component: topoisomerase (DNA) II beta 180 kDa

[NPU40945](#)

DNA(spec.)—TOP2B gene; seq.var. = ?

DNA(specification)—**TOP3A gene;****sequence variation**

name of component: topoisomerase (DNA) III alpha

[NPU40946](#)

DNA(spec.)—TOP3A gene; seq.var. = ?

DNA(specification)—**TOP3B gene;****sequence variation**

name of component: topoisomerase (DNA) III beta

[NPU40947](#)

DNA(spec.)—TOP3B gene; seq.var. = ?

DNA(specification)—**TOP3B2 gene;****sequence variation**

name of component: topoisomerase (DNA) III beta, 2

[NPU40948](#)

DNA(spec.)—TOP3B2 gene; seq.var. = ?

DNA(specification)—**TOR1B gene;****sequence variation**

name of component: torsin family 1, member B (torsin B)

[NPU40949](#)

DNA(spec.)—TOR1B gene; seq.var. = ?

DNA(specification)—**TOR2A gene;****sequence variation**

name of component: torsin family 2, member A

[NPU40950](#)

DNA(spec.)—TOR2A gene; seq.var. = ?

DNA(specification)—**TOR3A gene;****sequence variation**

name of component: torsin family 3, member A

[NPU40951](#)

DNA(spec.)—TOR3A gene; seq.var. = ?

DNA(specification)—**TP53 gene;****sequence variation**

name of component: tumor protein p53 (Li-Fraumeni syndrome)

[NPU19201](#)

DNA(spec.)—TP53 gene; seq.var. = ?

DNA(specification)—**TP53 gene(MIM191170.0003);****entitic number(0 1 2)**

[NPU19302](#)

DNA(spec.)—TP53 gene(MIM191170.0003); entitic num.(0 1 2) = ?

DNA(specification)—**TP53BP1 gene;****sequence variation**

name of component: tumor protein p53 binding protein, 1

[NPU40952](#)

DNA(spec.)—TP53BP1 gene; seq.var. = ?

DNA(specification)—**TP53BP2 gene;****sequence variation**

name of component: tumor protein p53 binding protein, 2

[NPU40953](#)

DNA(spec.)—TP53BP2 gene; seq.var. = ?

DNA(specification)—**TP53CP gene;****sequence variation**

name of component: tumor protein p53-competing protein

[NPU40954](#)

DNA(spec.)—TP53CP gene; seq.var. = ?

DNA(specification)—**TP53I11 gene;****sequence variation**

name of component: tumor protein p53 inducible protein 11

[NPU44736](#)

DNA(spec.)—TP53I11 gene; seq.var. = ?

DNA(specification)—**TP53I3 gene;****sequence variation**

name of component: tumor protein p53 inducible protein 3

[NPU47000](#)

DNA(spec.)—TP53I3 gene; seq.var. = ?

DNA(specification)—**TP53I5 gene;****sequence variation**

name of component: tumor protein p53 inducible protein 5

[NPU47712](#)

DNA(spec.)—TP53I5 gene; seq.var. = ?

DNA(specification)—**TP53INP1 gene;****sequence variation**

name of component: tumor protein p53 inducible nuclear protein 1

[NPU46237](#)

DNA(spec.)—TP53INP1 gene; seq.var. = ?

DNA(specification)—**TP53L gene;****sequence variation**

name of component: tumor protein p53-like

[NPU40955](#)

DNA(spec.)—TP53L gene; seq.var. = ?

DNA(specification)—**TP73 gene;****sequence variation**

name of component: tumor protein p73

[NPU40956](#)

DNA(spec.)—TP73 gene; seq.var. = ?

DNA(specification)—**TP73L gene;****sequence variation**

name of component: tumor protein p73-like

[NPU42143](#)

DNA(spec.)—TP73L gene; seq.var. = ?

DNA(specification)—**TPBG gene;****sequence variation**

name of component: trophoblast glycoprotein

[NPU40957](#)

DNA(spec.)—TPBG gene; seq.var. = ?

DNA(specification)—**TPCN1 gene;****sequence variation**

name of component: two pore segment channel 1

[NPU46343](#)

DNA(spec.)—TPCN1 gene; seq.var. = ?

DNA(specification)—**TPCN2 gene;****sequence variation**

name of component: two pore segment channel 2

[NPU47774](#)

DNA(spec.)—TPCN2 gene; seq.var. = ?

DNA(specification)—**TPD52 gene;****sequence variation**

name of component: tumor protein D52

[NPU40958](#)

DNA(spec.)—TPD52 gene; seq.var. = ?

DNA(specification)—**TPD52L1 gene;****sequence variation**

name of component: tumor protein D52-like 1

[NPU40959](#)

DNA(spec.)—TPD52L1 gene; seq.var. = ?

DNA(specification)—**TPD52L2 gene;****sequence variation**

name of component: tumor protein D52-like 2

[NPU40960](#)

DNA(spec.)—TPD52L2 gene; seq.var. = ?

DNA(specification)—**TPH1 gene;****sequence variation**name of component: tryptophan hydroxylase 1
(tryptophan 5-monooxygenase)[NPU40961](#)

DNA(spec.)—TPH1 gene; seq.var. = ?

DNA(specification)—**TPH2 gene;****sequence variation**

name of component: tryptophan hydroxylase 2

[NPU47720](#)

DNA(spec.)—TPH2 gene; seq.var. = ?

DNA(specification)—**TPI1 gene;****sequence variation**

name of component: triosephosphate isomerase 1

[NPU40962](#)

DNA(spec.)—TPI1 gene; seq.var. = ?

DNA(specification)—**TPK1 gene;****sequence variation**

name of component: thiamin pyrophosphokinase 1

[NPU46003](#)

DNA(spec.)—TPK1 gene; seq.var. = ?

DNA(specification)—**TPM1 gene;****sequence variation**

name of component: tropomyosin 1 (alpha)

[NPU40963](#)

DNA(spec.)—TPM1 gene; seq.var. = ?

DNA(specification)—**TPM2 gene;****sequence variation**

name of component: tropomyosin 2 (beta)

[NPU40964](#)

DNA(spec.)—TPM2 gene; seq.var. = ?

DNA(specification)—**TPM3 gene;****sequence variation**

name of component: tropomyosin 3

[NPU40965](#)

DNA(spec.)—TPM3 gene; seq.var. = ?

DNA(specification)—**TPM3L2 gene;****sequence variation**

name of component: tropomyosin 3-like 2

[NPU44367](#)

DNA(spec.)—TPM3L2 gene; seq.var. = ?

DNA(specification)—**TPM4 gene;****sequence variation**

name of component: tropomyosin 4

[NPU40966](#)

DNA(spec.)—TPM4 gene; seq.var. = ?

DNA(specification)—**TPM5P gene;****sequence variation**

name of component: tropomyosin 5, pseudogene

[NPU44537](#)

DNA(spec.)—TPM5P gene; seq.var. = ?

DNA(specification)—**TPMT gene;****sequence variation**name of component: thiopurine S-
methyltransferase[NPU40967](#)

DNA(spec.)—TPMT gene; seq.var. = ?

DNA(specification)—**TPO gene;****sequence variation**

name of component: thyroid peroxidase

[NPU40968](#)

DNA(spec.)—TPO gene; seq.var. = ?

DNA(specification)—**TPP2 gene;****sequence variation**

name of component: tripeptidyl peptidase II

[NPU40969](#)

DNA(spec.)—TPP2 gene; seq.var. = ?

DNA(specification)—**TPR gene;****sequence variation**name of component: translocated promoter region
(to activated MET oncogene)[NPU40970](#)

DNA(spec.)—TPR gene; seq.var. = ?

DNA(specification)—**TPS1 gene;****sequence variation**

name of component: tryptase, alpha

[NPU40971](#)

DNA(spec.)—TPS1 gene; seq.var. = ?

DNA(specification)—
TPSB1 gene;
sequence variation
 name of component: tryptase beta 1
[NPU40972](#)
 DNA(spec.)—TPSB1 gene; seq.var. = ?

DNA(specification)—
TPSB2 gene;
sequence variation
 name of component: tryptase beta 2
[NPU42520](#)
 DNA(spec.)—TPSB2 gene; seq.var. = ?

DNA(specification)—
TPSD1 gene;
sequence variation
 name of component: tryptase delta 1
[NPU42519](#)
 DNA(spec.)—TPSD1 gene; seq.var. = ?

DNA(specification)—
TPSG1 gene;
sequence variation
 name of component: tryptase gamma 1
[NPU42530](#)
 DNA(spec.)—TPSG1 gene; seq.var. = ?

DNA(specification)—
TPSP1 gene;
sequence variation
 name of component: tryptase pseudogene 1
[NPU42574](#)
 DNA(spec.)—TPSP1 gene; seq.var. = ?

DNA(specification)—
TPSP3 gene;
sequence variation
 name of component: tryptase pseudogene 3
[NPU42525](#)
 DNA(spec.)—TPSP3 gene; seq.var. = ?

DNA(specification)—
TPST1 gene;
sequence variation
 name of component: tyrosylprotein sulfotransferase 1
[NPU40973](#)
 DNA(spec.)—TPST1 gene; seq.var. = ?

DNA(specification)—
TPST2 gene;
sequence variation
 name of component: tyrosylprotein sulfotransferase 2
[NPU40974](#)
 DNA(spec.)—TPST2 gene; seq.var. = ?

DNA(specification)—
TPT1 gene;
sequence variation
 name of component: tumor protein, translationally-controlled 1
[NPU40975](#)
 DNA(spec.)—TPT1 gene; seq.var. = ?

DNA(specification)—
TPTE gene;
sequence variation
 name of component: transmembrane phosphatase with tensin homology
[NPU40976](#)
 DNA(spec.)—TPTE gene; seq.var. = ?

DNA(specification)—
TPX1 gene;
sequence variation
 name of component: testis specific protein 1 (probe H4-1 p3-1)
[NPU40977](#)
 DNA(spec.)—TPX1 gene; seq.var. = ?

DNA(specification)—
TRA@ gene;
sequence variation
 name of component: T cell receptor alpha locus
[NPU40978](#)
 DNA(spec.)—TRA@ gene; seq.var. = ?

DNA(specification)—
TRA1 gene;
sequence variation
 name of component: tumor rejection antigen (gp96) 1
[NPU40979](#)
 DNA(spec.)—TRA1 gene; seq.var. = ?

DNA(specification)—
TRAC gene;
sequence variation
 name of component: T cell receptor alpha constant
[NPU40980](#)
 DNA(spec.)—TRAC gene; seq.var. = ?

DNA(specification)—
TRADD gene;
sequence variation
 name of component: TNFRSF1A-associated via death domain
[NPU40981](#)
 DNA(spec.)—TRADD gene; seq.var. = ?

DNA(specification)—
TRAF1 gene;
sequence variation
name of component: TNF receptor-associated factor 1
[NPU40982](#)
DNA(spec.)—TRAF1 gene; seq.var. = ?

DNA(specification)—
TRAF2 gene;
sequence variation
name of component: TNF receptor-associated factor 2
[NPU40983](#)
DNA(spec.)—TRAF2 gene; seq.var. = ?

DNA(specification)—
TRAF3 gene;
sequence variation
name of component: TNF receptor-associated factor 3
[NPU19202](#)
DNA(spec.)—TRAF3 gene; seq.var. = ?

DNA(specification)—
TRAF4 gene;
sequence variation
name of component: TNF receptor-associated factor 4
[NPU40984](#)
DNA(spec.)—TRAF4 gene; seq.var. = ?

DNA(specification)—
TRAF5 gene;
sequence variation
name of component: TNF receptor-associated factor 5
[NPU40985](#)
DNA(spec.)—TRAF5 gene; seq.var. = ?

DNA(specification)—
TRAF6 gene;
sequence variation
name of component: TNF receptor-associated factor 6
[NPU40986](#)
DNA(spec.)—TRAF6 gene; seq.var. = ?

DNA(specification)—
TRAJ1 gene;
sequence variation
name of component: T cell receptor alpha joining 1
[NPU40987](#)
DNA(spec.)—TRAJ1 gene; seq.var. = ?

DNA(specification)—
TRAJ10 gene;
sequence variation
name of component: T cell receptor alpha joining 10
[NPU40988](#)
DNA(spec.)—TRAJ10 gene; seq.var. = ?

DNA(specification)—
TRAJ11 gene;
sequence variation
name of component: T cell receptor alpha joining 11
[NPU40989](#)
DNA(spec.)—TRAJ11 gene; seq.var. = ?

DNA(specification)—
TRAJ12 gene;
sequence variation
name of component: T cell receptor alpha joining 12
[NPU40990](#)
DNA(spec.)—TRAJ12 gene; seq.var. = ?

DNA(specification)—
TRAJ13 gene;
sequence variation
name of component: T cell receptor alpha joining 13
[NPU40991](#)
DNA(spec.)—TRAJ13 gene; seq.var. = ?

DNA(specification)—
TRAJ14 gene;
sequence variation
name of component: T cell receptor alpha joining 14
[NPU40992](#)
DNA(spec.)—TRAJ14 gene; seq.var. = ?

DNA(specification)—
TRAJ15 gene;
sequence variation
name of component: T cell receptor alpha joining 15
[NPU40993](#)
DNA(spec.)—TRAJ15 gene; seq.var. = ?

DNA(specification)—
TRAJ16 gene;
sequence variation
name of component: T cell receptor alpha joining 16
[NPU40994](#)
DNA(spec.)—TRAJ16 gene; seq.var. = ?

DNA(specification)—
TRAJ17 gene;
sequence variation
name of component: T cell receptor alpha joining
17
[NPU40995](#)
DNA(spec.)—TRAJ17 gene; seq.var. = ?

DNA(specification)—
TRAJ18 gene;
sequence variation
name of component: T cell receptor alpha joining
18
[NPU40996](#)
DNA(spec.)—TRAJ18 gene; seq.var. = ?

DNA(specification)—
TRAJ19 gene;
sequence variation
name of component: T cell receptor alpha joining
19
[NPU40997](#)
DNA(spec.)—TRAJ19 gene; seq.var. = ?

DNA(specification)—
TRAJ2 gene;
sequence variation
name of component: T cell receptor alpha joining 2
[NPU40998](#)
DNA(spec.)—TRAJ2 gene; seq.var. = ?

DNA(specification)—
TRAJ20 gene;
sequence variation
name of component: T cell receptor alpha joining
20
[NPU40999](#)
DNA(spec.)—TRAJ20 gene; seq.var. = ?

DNA(specification)—
TRAJ21 gene;
sequence variation
name of component: T cell receptor alpha joining
21
[NPU41000](#)
DNA(spec.)—TRAJ21 gene; seq.var. = ?

DNA(specification)—
TRAJ22 gene;
sequence variation
name of component: T cell receptor alpha joining
22
[NPU41001](#)
DNA(spec.)—TRAJ22 gene; seq.var. = ?

DNA(specification)—
TRAJ23 gene;
sequence variation
name of component: T cell receptor alpha joining
23
[NPU41002](#)
DNA(spec.)—TRAJ23 gene; seq.var. = ?

DNA(specification)—
TRAJ24 gene;
sequence variation
name of component: T cell receptor alpha joining
24
[NPU41003](#)
DNA(spec.)—TRAJ24 gene; seq.var. = ?

DNA(specification)—
TRAJ25 gene;
sequence variation
name of component: T cell receptor alpha joining
25
[NPU41004](#)
DNA(spec.)—TRAJ25 gene; seq.var. = ?

DNA(specification)—
TRAJ26 gene;
sequence variation
name of component: T cell receptor alpha joining
26
[NPU41005](#)
DNA(spec.)—TRAJ26 gene; seq.var. = ?

DNA(specification)—
TRAJ27 gene;
sequence variation
name of component: T cell receptor alpha joining
27
[NPU41006](#)
DNA(spec.)—TRAJ27 gene; seq.var. = ?

DNA(specification)—
TRAJ28 gene;
sequence variation
name of component: T cell receptor alpha joining
28
[NPU41007](#)
DNA(spec.)—TRAJ28 gene; seq.var. = ?

DNA(specification)—
TRAJ29 gene;
sequence variation
name of component: T cell receptor alpha joining
29
[NPU41008](#)
DNA(spec.)—TRAJ29 gene; seq.var. = ?

DNA(specification)—
TRAJ3 gene;
sequence variation
name of component: T cell receptor alpha joining 3
[NPU41009](#)
DNA(spec.)—TRAJ3 gene; seq.var. = ?

DNA(specification)—
TRAJ30 gene;
sequence variation
name of component: T cell receptor alpha joining 30
[NPU41010](#)
DNA(spec.)—TRAJ30 gene; seq.var. = ?

DNA(specification)—
TRAJ31 gene;
sequence variation
name of component: T cell receptor alpha joining 31
[NPU41011](#)
DNA(spec.)—TRAJ31 gene; seq.var. = ?

DNA(specification)—
TRAJ32 gene;
sequence variation
name of component: T cell receptor alpha joining 32
[NPU41012](#)
DNA(spec.)—TRAJ32 gene; seq.var. = ?

DNA(specification)—
TRAJ33 gene;
sequence variation
name of component: T cell receptor alpha joining 33
[NPU41013](#)
DNA(spec.)—TRAJ33 gene; seq.var. = ?

DNA(specification)—
TRAJ34 gene;
sequence variation
name of component: T cell receptor alpha joining 34
[NPU41014](#)
DNA(spec.)—TRAJ34 gene; seq.var. = ?

DNA(specification)—
TRAJ35 gene;
sequence variation
name of component: T cell receptor alpha joining 35
[NPU41015](#)
DNA(spec.)—TRAJ35 gene; seq.var. = ?

DNA(specification)—
TRAJ36 gene;
sequence variation
name of component: T cell receptor alpha joining 36
[NPU41016](#)
DNA(spec.)—TRAJ36 gene; seq.var. = ?

DNA(specification)—
TRAJ37 gene;
sequence variation
name of component: T cell receptor alpha joining 37
[NPU41017](#)
DNA(spec.)—TRAJ37 gene; seq.var. = ?

DNA(specification)—
TRAJ38 gene;
sequence variation
name of component: T cell receptor alpha joining 38
[NPU41018](#)
DNA(spec.)—TRAJ38 gene; seq.var. = ?

DNA(specification)—
TRAJ39 gene;
sequence variation
name of component: T cell receptor alpha joining 39
[NPU41019](#)
DNA(spec.)—TRAJ39 gene; seq.var. = ?

DNA(specification)—
TRAJ4 gene;
sequence variation
name of component: T cell receptor alpha joining 4
[NPU41020](#)
DNA(spec.)—TRAJ4 gene; seq.var. = ?

DNA(specification)—
TRAJ40 gene;
sequence variation
name of component: T cell receptor alpha joining 40
[NPU41021](#)
DNA(spec.)—TRAJ40 gene; seq.var. = ?

DNA(specification)—
TRAJ41 gene;
sequence variation
name of component: T cell receptor alpha joining 41
[NPU41022](#)
DNA(spec.)—TRAJ41 gene; seq.var. = ?

DNA(specification)—
TRAJ42 gene;
sequence variation
name of component: T cell receptor alpha joining
42
[NPU41023](#)
DNA(spec.)—TRAJ42 gene; seq.var. = ?

DNA(specification)—
TRAJ43 gene;
sequence variation
name of component: T cell receptor alpha joining
43
[NPU41024](#)
DNA(spec.)—TRAJ43 gene; seq.var. = ?

DNA(specification)—
TRAJ44 gene;
sequence variation
name of component: T cell receptor alpha joining
44
[NPU41025](#)
DNA(spec.)—TRAJ44 gene; seq.var. = ?

DNA(specification)—
TRAJ45 gene;
sequence variation
name of component: T cell receptor alpha joining
45
[NPU41026](#)
DNA(spec.)—TRAJ45 gene; seq.var. = ?

DNA(specification)—
TRAJ46 gene;
sequence variation
name of component: T cell receptor alpha joining
46
[NPU41027](#)
DNA(spec.)—TRAJ46 gene; seq.var. = ?

DNA(specification)—
TRAJ47 gene;
sequence variation
name of component: T cell receptor alpha joining
47
[NPU41028](#)
DNA(spec.)—TRAJ47 gene; seq.var. = ?

DNA(specification)—
TRAJ48 gene;
sequence variation
name of component: T cell receptor alpha joining
48
[NPU41029](#)
DNA(spec.)—TRAJ48 gene; seq.var. = ?

DNA(specification)—
TRAJ49 gene;
sequence variation
name of component: T cell receptor alpha joining
49
[NPU41030](#)
DNA(spec.)—TRAJ49 gene; seq.var. = ?

DNA(specification)—
TRAJ5 gene;
sequence variation
name of component: T cell receptor alpha joining 5
[NPU41031](#)
DNA(spec.)—TRAJ5 gene; seq.var. = ?

DNA(specification)—
TRAJ50 gene;
sequence variation
name of component: T cell receptor alpha joining
50
[NPU41032](#)
DNA(spec.)—TRAJ50 gene; seq.var. = ?

DNA(specification)—
TRAJ51 gene;
sequence variation
name of component: T cell receptor alpha joining
51
[NPU41033](#)
DNA(spec.)—TRAJ51 gene; seq.var. = ?

DNA(specification)—
TRAJ52 gene;
sequence variation
name of component: T cell receptor alpha joining
52
[NPU41034](#)
DNA(spec.)—TRAJ52 gene; seq.var. = ?

DNA(specification)—
TRAJ53 gene;
sequence variation
name of component: T cell receptor alpha joining
53
[NPU41035](#)
DNA(spec.)—TRAJ53 gene; seq.var. = ?

DNA(specification)—
TRAJ54 gene;
sequence variation
name of component: T cell receptor alpha joining
54
[NPU41036](#)
DNA(spec.)—TRAJ54 gene; seq.var. = ?

DNA(specification)—
TRAJ55 gene;
sequence variation
name of component: T cell receptor alpha joining
55
[NPU41037](#)
DNA(spec.)—TRAJ55 gene; seq.var. = ?

DNA(specification)—
TRAJ56 gene;
sequence variation
name of component: T cell receptor alpha joining
56
[NPU41038](#)
DNA(spec.)—TRAJ56 gene; seq.var. = ?

DNA(specification)—
TRAJ57 gene;
sequence variation
name of component: T cell receptor alpha joining
57
[NPU41039](#)
DNA(spec.)—TRAJ57 gene; seq.var. = ?

DNA(specification)—
TRAJ58 gene;
sequence variation
name of component: T cell receptor alpha joining
58
[NPU41040](#)
DNA(spec.)—TRAJ58 gene; seq.var. = ?

DNA(specification)—
TRAJ59 gene;
sequence variation
name of component: T cell receptor alpha joining
59
[NPU41041](#)
DNA(spec.)—TRAJ59 gene; seq.var. = ?

DNA(specification)—
TRAJ6 gene;
sequence variation
name of component: T cell receptor alpha joining 6
[NPU41042](#)
DNA(spec.)—TRAJ6 gene; seq.var. = ?

DNA(specification)—
TRAJ60 gene;
sequence variation
name of component: T cell receptor alpha joining
60
[NPU41043](#)
DNA(spec.)—TRAJ60 gene; seq.var. = ?

DNA(specification)—
TRAJ61 gene;
sequence variation
name of component: T cell receptor alpha joining
61
[NPU41044](#)
DNA(spec.)—TRAJ61 gene; seq.var. = ?

DNA(specification)—
TRAJ7 gene;
sequence variation
name of component: T cell receptor alpha joining 7
[NPU41045](#)
DNA(spec.)—TRAJ7 gene; seq.var. = ?

DNA(specification)—
TRAJ8 gene;
sequence variation
name of component: T cell receptor alpha joining 8
[NPU41046](#)
DNA(spec.)—TRAJ8 gene; seq.var. = ?

DNA(specification)—
TRAJ9 gene;
sequence variation
name of component: T cell receptor alpha joining 9
[NPU41047](#)
DNA(spec.)—TRAJ9 gene; seq.var. = ?

DNA(specification)—
TRAM1 gene;
sequence variation
name of component: translocation associated
membrane protein 1
[NPU47665](#)
DNA(spec.)—TRAM1 gene; seq.var. = ?

DNA(specification)—
TRAM2 gene;
sequence variation
name of component: translocation associated
membrane protein 2
[NPU44743](#)
DNA(spec.)—TRAM2 gene; seq.var. = ?

DNA(specification)—
TRAN gene;
sequence variation
name of component: tRNA alanine
[NPU41048](#)
DNA(spec.)—TRAN gene; seq.var. = ?

DNA(specification)—
TRAP1 gene;
sequence variation
name of component: tumor rejection antigen
(gp96) pseudogene 1
[NPU41049](#)
DNA(spec.)—TRAP1 gene; seq.var. = ?

DNA(specification)—**TRAP2 gene;****sequence variation**

name of component: tumor rejection antigen
(gp96) pseudogene 2

[NPU41050](#)

DNA(spec.)—TRAP2 gene; seq.var. = ?

DNA(specification)—**TRAV10 gene;****sequence variation**

name of component: T cell receptor alpha variable
10

[NPU41053](#)

DNA(spec.)—TRAV10 gene; seq.var. = ?

DNA(specification)—**TRAV11 gene;****sequence variation**

name of component: T cell receptor alpha variable
11

[NPU41054](#)

DNA(spec.)—TRAV11 gene; seq.var. = ?

DNA(specification)—**TRAV1-1 gene;****sequence variation**

name of component: T cell receptor alpha variable
1-1

[NPU41051](#)

DNA(spec.)—TRAV1-1 gene; seq.var. = ?

DNA(specification)—**TRAV1-2 gene;****sequence variation**

name of component: T cell receptor alpha variable
1-2

[NPU41052](#)

DNA(spec.)—TRAV1-2 gene; seq.var. = ?

DNA(specification)—**TRAV12-1 gene;****sequence variation**

name of component: T cell receptor alpha variable
12-1

[NPU41055](#)

DNA(spec.)—TRAV12-1 gene; seq.var. = ?

DNA(specification)—**TRAV12-2 gene;****sequence variation**

name of component: T cell receptor alpha variable
12-2

[NPU41056](#)

DNA(spec.)—TRAV12-2 gene; seq.var. = ?

DNA(specification)—**TRAV12-3 gene;****sequence variation**

name of component: T cell receptor alpha variable
12-3

[NPU41057](#)

DNA(spec.)—TRAV12-3 gene; seq.var. = ?

DNA(specification)—**TRAV13-1 gene;****sequence variation**

name of component: T cell receptor alpha variable
13-1

[NPU41058](#)

DNA(spec.)—TRAV13-1 gene; seq.var. = ?

DNA(specification)—**TRAV13-2 gene;****sequence variation**

name of component: T cell receptor alpha variable
13-2

[NPU41059](#)

DNA(spec.)—TRAV13-2 gene; seq.var. = ?

DNA(specification)—**TRAV14DV4 gene;****sequence variation**

name of component: T cell receptor alpha variable
14/delta variable 4

[NPU41060](#)

DNA(spec.)—TRAV14DV4 gene; seq.var. = ?

DNA(specification)—**TRAV15 gene;****sequence variation**

name of component: T cell receptor alpha variable
15

[NPU41061](#)

DNA(spec.)—TRAV15 gene; seq.var. = ?

DNA(specification)—**TRAV16 gene;****sequence variation**

name of component: T cell receptor alpha variable
16

[NPU41062](#)

DNA(spec.)—TRAV16 gene; seq.var. = ?

DNA(specification)—**TRAV17 gene;****sequence variation**

name of component: T cell receptor alpha variable
17

[NPU41063](#)

DNA(spec.)—TRAV17 gene; seq.var. = ?

DNA(specification)—**TRAV18 gene;****sequence variation**

name of component: T cell receptor alpha variable 18

[NPU41064](#)

DNA(spec.)—TRAV18 gene; seq.var. = ?

DNA(specification)—**TRAV19 gene;****sequence variation**

name of component: T cell receptor alpha variable 19

[NPU41065](#)

DNA(spec.)—TRAV19 gene; seq.var. = ?

DNA(specification)—**TRAV2 gene;****sequence variation**

name of component: T cell receptor alpha variable 2

[NPU41066](#)

DNA(spec.)—TRAV2 gene; seq.var. = ?

DNA(specification)—**TRAV20 gene;****sequence variation**

name of component: T cell receptor alpha variable 20

[NPU41067](#)

DNA(spec.)—TRAV20 gene; seq.var. = ?

DNA(specification)—**TRAV21 gene;****sequence variation**

name of component: T cell receptor alpha variable 21

[NPU41068](#)

DNA(spec.)—TRAV21 gene; seq.var. = ?

DNA(specification)—**TRAV22 gene;****sequence variation**

name of component: T cell receptor alpha variable 22

[NPU41069](#)

DNA(spec.)—TRAV22 gene; seq.var. = ?

DNA(specification)—**TRAV23DV6 gene;****sequence variation**

name of component: T cell receptor alpha variable 23/delta variable 6

[NPU41070](#)

DNA(spec.)—TRAV23DV6 gene; seq.var. = ?

DNA(specification)—**TRAV24 gene;****sequence variation**

name of component: T cell receptor alpha variable 24

[NPU41071](#)

DNA(spec.)—TRAV24 gene; seq.var. = ?

DNA(specification)—**TRAV25 gene;****sequence variation**

name of component: T cell receptor alpha variable 25

[NPU41072](#)

DNA(spec.)—TRAV25 gene; seq.var. = ?

DNA(specification)—**TRAV26-1 gene;****sequence variation**

name of component: T cell receptor alpha variable 26-1

[NPU41073](#)

DNA(spec.)—TRAV26-1 gene; seq.var. = ?

DNA(specification)—**TRAV26-2 gene;****sequence variation**

name of component: T cell receptor alpha variable 26-2

[NPU41074](#)

DNA(spec.)—TRAV26-2 gene; seq.var. = ?

DNA(specification)—**TRAV27 gene;****sequence variation**

name of component: T cell receptor alpha variable 27

[NPU41075](#)

DNA(spec.)—TRAV27 gene; seq.var. = ?

DNA(specification)—**TRAV28 gene;****sequence variation**

name of component: T cell receptor alpha variable 28

[NPU41076](#)

DNA(spec.)—TRAV28 gene; seq.var. = ?

DNA(specification)—**TRAV29DV5 gene;****sequence variation**

name of component: T cell receptor alpha variable 29/delta variable 5

[NPU41077](#)

DNA(spec.)—TRAV29DV5 gene; seq.var. = ?

DNA(specification)—
TRAV3 gene;
sequence variation
name of component: T cell receptor alpha variable
3
[NPU41078](#)
DNA(spec.)—TRAV3 gene; seq.var. = ?

DNA(specification)—
TRAV30 gene;
sequence variation
name of component: T cell receptor alpha variable
30
[NPU41079](#)
DNA(spec.)—TRAV30 gene; seq.var. = ?

DNA(specification)—
TRAV31 gene;
sequence variation
name of component: T cell receptor alpha variable
31
[NPU41080](#)
DNA(spec.)—TRAV31 gene; seq.var. = ?

DNA(specification)—
TRAV32 gene;
sequence variation
name of component: T cell receptor alpha variable
32
[NPU41081](#)
DNA(spec.)—TRAV32 gene; seq.var. = ?

DNA(specification)—
TRAV33 gene;
sequence variation
name of component: T cell receptor alpha variable
33
[NPU41082](#)
DNA(spec.)—TRAV33 gene; seq.var. = ?

DNA(specification)—
TRAV34 gene;
sequence variation
name of component: T cell receptor alpha variable
34
[NPU41083](#)
DNA(spec.)—TRAV34 gene; seq.var. = ?

DNA(specification)—
TRAV35 gene;
sequence variation
name of component: T cell receptor alpha variable
35
[NPU41084](#)
DNA(spec.)—TRAV35 gene; seq.var. = ?

DNA(specification)—
TRAV36DV7 gene;
sequence variation
name of component: T cell receptor alpha variable
36/delta variable 7
[NPU41085](#)
DNA(spec.)—TRAV36DV7 gene; seq.var. = ?

DNA(specification)—
TRAV37 gene;
sequence variation
name of component: T cell receptor alpha variable
37
[NPU41086](#)
DNA(spec.)—TRAV37 gene; seq.var. = ?

DNA(specification)—
TRAV38-1 gene;
sequence variation
name of component: T cell receptor alpha variable
38-1
[NPU41087](#)
DNA(spec.)—TRAV38-1 gene; seq.var. = ?

DNA(specification)—
TRAV38-2DV8 gene;
sequence variation
name of component: T cell receptor alpha variable
38-2/delta variable 8
[NPU41088](#)
DNA(spec.)—TRAV38-2DV8 gene; seq.var. = ?

DNA(specification)—
TRAV39 gene;
sequence variation
name of component: T cell receptor alpha variable
39
[NPU41089](#)
DNA(spec.)—TRAV39 gene; seq.var. = ?

DNA(specification)—
TRAV4 gene;
sequence variation
name of component: T cell receptor alpha variable
4
[NPU41090](#)
DNA(spec.)—TRAV4 gene; seq.var. = ?

DNA(specification)—
TRAV40 gene;
sequence variation
name of component: T cell receptor alpha variable
40
[NPU41091](#)
DNA(spec.)—TRAV40 gene; seq.var. = ?

DNA(specification)—
TRAV41 gene;
sequence variation
name of component: T cell receptor alpha variable
41
[NPU41092](#)
DNA(spec.)—TRAV41 gene; seq.var. = ?

DNA(specification)—
TRAV5 gene;
sequence variation
name of component: T cell receptor alpha variable
5
[NPU41093](#)
DNA(spec.)—TRAV5 gene; seq.var. = ?

DNA(specification)—
TRAV6 gene;
sequence variation
name of component: T cell receptor alpha variable
6
[NPU41094](#)
DNA(spec.)—TRAV6 gene; seq.var. = ?

DNA(specification)—
TRAV7 gene;
sequence variation
name of component: T cell receptor alpha variable
7
[NPU41095](#)
DNA(spec.)—TRAV7 gene; seq.var. = ?

DNA(specification)—
TRAV8-1 gene;
sequence variation
name of component: T cell receptor alpha variable
8-1
[NPU41096](#)
DNA(spec.)—TRAV8-1 gene; seq.var. = ?

DNA(specification)—
TRAV8-2 gene;
sequence variation
name of component: T cell receptor alpha variable
8-2
[NPU41097](#)
DNA(spec.)—TRAV8-2 gene; seq.var. = ?

DNA(specification)—
TRAV8-3 gene;
sequence variation
name of component: T cell receptor alpha variable
8-3
[NPU41098](#)
DNA(spec.)—TRAV8-3 gene; seq.var. = ?

DNA(specification)—
TRAV8-4 gene;
sequence variation
name of component: T cell receptor alpha variable
8-4
[NPU41099](#)
DNA(spec.)—TRAV8-4 gene; seq.var. = ?

DNA(specification)—
TRAV8-5 gene;
sequence variation
name of component: T cell receptor alpha variable
8-5
[NPU41100](#)
DNA(spec.)—TRAV8-5 gene; seq.var. = ?

DNA(specification)—
TRAV8-6 gene;
sequence variation
name of component: T cell receptor alpha variable
8-6
[NPU41101](#)
DNA(spec.)—TRAV8-6 gene; seq.var. = ?

DNA(specification)—
TRAV8-7 gene;
sequence variation
name of component: T cell receptor alpha variable
8-7
[NPU41102](#)
DNA(spec.)—TRAV8-7 gene; seq.var. = ?

DNA(specification)—
TRAV9-1 gene;
sequence variation
name of component: T cell receptor alpha variable
9-1
[NPU41103](#)
DNA(spec.)—TRAV9-1 gene; seq.var. = ?

DNA(specification)—
TRAV9-2 gene;
sequence variation
name of component: T cell receptor alpha variable
9-2
[NPU41104](#)
DNA(spec.)—TRAV9-2 gene; seq.var. = ?

DNA(specification)—
TRB@ gene;
sequence variation
name of component: T cell receptor beta locus
[NPU41105](#)
DNA(spec.)—TRB@ gene; seq.var. = ?

DNA(specification)—
TRBC1 gene;
sequence variation
name of component: T cell receptor beta constant 1
[NPU41106](#)
DNA(spec.)—TRBC1 gene; seq.var. = ?

DNA(specification)—
TRBC2 gene;
sequence variation
name of component: T cell receptor beta constant 2
[NPU41107](#)
DNA(spec.)—TRBC2 gene; seq.var. = ?

DNA(specification)—
TRBD1 gene;
sequence variation
name of component: T cell receptor beta diversity 1
[NPU41108](#)
DNA(spec.)—TRBD1 gene; seq.var. = ?

DNA(specification)—
TRBD2 gene;
sequence variation
name of component: T cell receptor beta diversity 2
[NPU41109](#)
DNA(spec.)—TRBD2 gene; seq.var. = ?

DNA(specification)—
TRBJ1-1 gene;
sequence variation
name of component: T cell receptor beta joining 1-1
[NPU41110](#)
DNA(spec.)—TRBJ1-1 gene; seq.var. = ?

DNA(specification)—
TRBJ1-2 gene;
sequence variation
name of component: T cell receptor beta joining 1-2
[NPU41111](#)
DNA(spec.)—TRBJ1-2 gene; seq.var. = ?

DNA(specification)—
TRBJ1-3 gene;
sequence variation
name of component: T cell receptor beta joining 1-3
[NPU41112](#)
DNA(spec.)—TRBJ1-3 gene; seq.var. = ?

DNA(specification)—
TRBJ1-4 gene;
sequence variation
name of component: T cell receptor beta joining 1-4
[NPU41113](#)
DNA(spec.)—TRBJ1-4 gene; seq.var. = ?

DNA(specification)—
TRBJ1-5 gene;
sequence variation
name of component: T cell receptor beta joining 1-5
[NPU41114](#)
DNA(spec.)—TRBJ1-5 gene; seq.var. = ?

DNA(specification)—
TRBJ1-6 gene;
sequence variation
name of component: T cell receptor beta joining 1-6
[NPU41115](#)
DNA(spec.)—TRBJ1-6 gene; seq.var. = ?

DNA(specification)—
TRBJ2-1 gene;
sequence variation
name of component: T cell receptor beta joining 2-1
[NPU41116](#)
DNA(spec.)—TRBJ2-1 gene; seq.var. = ?

DNA(specification)—
TRBJ2-2 gene;
sequence variation
name of component: T cell receptor beta joining 2-2
[NPU41117](#)
DNA(spec.)—TRBJ2-2 gene; seq.var. = ?

DNA(specification)—
TRBJ2-2P gene;
sequence variation
name of component: T cell receptor beta joining 2-2P
[NPU41118](#)
DNA(spec.)—TRBJ2-2P gene; seq.var. = ?

DNA(specification)—
TRBJ2-3 gene;
sequence variation
name of component: T cell receptor beta joining 2-3
[NPU41119](#)
DNA(spec.)—TRBJ2-3 gene; seq.var. = ?

DNA(specification)—
TRBJ2-4 gene;
sequence variation
name of component: T cell receptor beta joining 2-4
[NPU41120](#)
DNA(spec.)—TRBJ2-4 gene; seq.var. = ?

DNA(specification)—
TRBJ2-5 gene;
sequence variation
name of component: T cell receptor beta joining 2-5
[NPU41121](#)
DNA(spec.)—TRBJ2-5 gene; seq.var. = ?

DNA(specification)—
TRBJ2-6 gene;
sequence variation
name of component: T cell receptor beta joining 2-6
[NPU41122](#)
DNA(spec.)—TRBJ2-6 gene; seq.var. = ?

DNA(specification)—
TRBJ2-7 gene;
sequence variation
name of component: T cell receptor beta joining 2-7
[NPU41123](#)
DNA(spec.)—TRBJ2-7 gene; seq.var. = ?

DNA(specification)—
TRBV1 gene;
sequence variation
name of component: T cell receptor beta variable 1
[NPU41124](#)
DNA(spec.)—TRBV1 gene; seq.var. = ?

DNA(specification)—
TRBV10-1 gene;
sequence variation
name of component: T cell receptor beta variable 10-1
[NPU41125](#)
DNA(spec.)—TRBV10-1 gene; seq.var. = ?

DNA(specification)—
TRBV10-2 gene;
sequence variation
name of component: T cell receptor beta variable 10-2
[NPU41126](#)
DNA(spec.)—TRBV10-2 gene; seq.var. = ?

DNA(specification)—
TRBV10-3 gene;
sequence variation
name of component: T cell receptor beta variable 10-3
[NPU41127](#)
DNA(spec.)—TRBV10-3 gene; seq.var. = ?

DNA(specification)—
TRBV11-1 gene;
sequence variation
name of component: T cell receptor beta variable 11-1
[NPU41128](#)
DNA(spec.)—TRBV11-1 gene; seq.var. = ?

DNA(specification)—
TRBV11-2 gene;
sequence variation
name of component: T cell receptor beta variable 11-2
[NPU41129](#)
DNA(spec.)—TRBV11-2 gene; seq.var. = ?

DNA(specification)—
TRBV11-3 gene;
sequence variation
name of component: T cell receptor beta variable 11-3
[NPU41130](#)
DNA(spec.)—TRBV11-3 gene; seq.var. = ?

DNA(specification)—
TRBV12-1 gene;
sequence variation
name of component: T cell receptor beta variable 12-1
[NPU41131](#)
DNA(spec.)—TRBV12-1 gene; seq.var. = ?

DNA(specification)—
TRBV12-2 gene;
sequence variation
name of component: T cell receptor beta variable 12-2
[NPU41132](#)
DNA(spec.)—TRBV12-2 gene; seq.var. = ?

DNA(specification)—
TRBV12-3 gene;
sequence variation
name of component: T cell receptor beta variable 12-3
[NPU41133](#)
DNA(spec.)—TRBV12-3 gene; seq.var. = ?

DNA(specification)—
TRBV12-4 gene;
sequence variation
name of component: T cell receptor beta variable
12-4
[NPU41134](#)
DNA(spec.)—TRBV12-4 gene; seq.var. = ?

DNA(specification)—
TRBV12-5 gene;
sequence variation
name of component: T cell receptor beta variable
12-5
[NPU41135](#)
DNA(spec.)—TRBV12-5 gene; seq.var. = ?

DNA(specification)—
TRBV13 gene;
sequence variation
name of component: T cell receptor beta variable
13
[NPU41136](#)
DNA(spec.)—TRBV13 gene; seq.var. = ?

DNA(specification)—
TRBV14 gene;
sequence variation
name of component: T cell receptor beta variable
14
[NPU41137](#)
DNA(spec.)—TRBV14 gene; seq.var. = ?

DNA(specification)—
TRBV15 gene;
sequence variation
name of component: T cell receptor beta variable
15
[NPU41138](#)
DNA(spec.)—TRBV15 gene; seq.var. = ?

DNA(specification)—
TRBV16 gene;
sequence variation
name of component: T cell receptor beta variable
16
[NPU41139](#)
DNA(spec.)—TRBV16 gene; seq.var. = ?

DNA(specification)—
TRBV17 gene;
sequence variation
name of component: T cell receptor beta variable
17
[NPU41140](#)
DNA(spec.)—TRBV17 gene; seq.var. = ?

DNA(specification)—
TRBV18 gene;
sequence variation
name of component: T cell receptor beta variable
18
[NPU41141](#)
DNA(spec.)—TRBV18 gene; seq.var. = ?

DNA(specification)—
TRBV19 gene;
sequence variation
name of component: T cell receptor beta variable
19
[NPU41142](#)
DNA(spec.)—TRBV19 gene; seq.var. = ?

DNA(specification)—
TRBV2 gene;
sequence variation
name of component: T cell receptor beta variable 2
[NPU41143](#)
DNA(spec.)—TRBV2 gene; seq.var. = ?

DNA(specification)—
TRBV20-1 gene;
sequence variation
name of component: T cell receptor beta variable
20-1
[NPU41144](#)
DNA(spec.)—TRBV20-1 gene; seq.var. = ?

DNA(specification)—
TRBV20OR9-2 gene;
sequence variation
name of component: T cell receptor beta variable
20/OR9-2
[NPU41145](#)
DNA(spec.)—TRBV20OR9-2 gene; seq.var. = ?

DNA(specification)—
TRBV21-1 gene;
sequence variation
name of component: T cell receptor beta variable
21-1
[NPU41146](#)
DNA(spec.)—TRBV21-1 gene; seq.var. = ?

DNA(specification)—
TRBV21OR9-2 gene;
sequence variation
name of component: T cell receptor beta variable
21/OR9-2
[NPU41147](#)
DNA(spec.)—TRBV21OR9-2 gene; seq.var. = ?

DNA(specification)—
TRBV22 gene;
sequence variation
name of component: T cell receptor beta variable
22
[NPU41148](#)
DNA(spec.)—TRBV22 gene; seq.var. = ?

DNA(specification)—
TRBV22OR9-2 gene;
sequence variation
name of component: T cell receptor beta variable
22/OR9-2
[NPU46646](#)
DNA(spec.)—TRBV22OR9-2 gene; seq.var. = ?

DNA(specification)—
TRBV23-1 gene;
sequence variation
name of component: T cell receptor beta variable
23-1
[NPU41149](#)
DNA(spec.)—TRBV23-1 gene; seq.var. = ?

DNA(specification)—
TRBV23OR9-2 gene;
sequence variation
name of component: T cell receptor beta variable
23/OR9-2
[NPU41150](#)
DNA(spec.)—TRBV23OR9-2 gene; seq.var. = ?

DNA(specification)—
TRBV24-1 gene;
sequence variation
name of component: T cell receptor beta variable
24-1
[NPU41151](#)
DNA(spec.)—TRBV24-1 gene; seq.var. = ?

DNA(specification)—
TRBV24OR9-2 gene;
sequence variation
name of component: T cell receptor beta variable
24/OR9-2
[NPU41152](#)
DNA(spec.)—TRBV24OR9-2 gene; seq.var. = ?

DNA(specification)—
TRBV25-1 gene;
sequence variation
name of component: T cell receptor beta variable
25-1
[NPU41153](#)
DNA(spec.)—TRBV25-1 gene; seq.var. = ?

DNA(specification)—
TRBV25OR9-2 gene;
sequence variation
name of component: T cell receptor beta variable
25/OR9-2
[NPU41154](#)
DNA(spec.)—TRBV25OR9-2 gene; seq.var. = ?

DNA(specification)—
TRBV26 gene;
sequence variation
name of component: T cell receptor beta variable
26
[NPU41155](#)
DNA(spec.)—TRBV26 gene; seq.var. = ?

DNA(specification)—
TRBV26OR9-2 gene;
sequence variation
name of component: T cell receptor beta variable
26/OR9-2
[NPU43697](#)
DNA(spec.)—TRBV26OR9-2 gene; seq.var. = ?

DNA(specification)—
TRBV27 gene;
sequence variation
name of component: T cell receptor beta variable
27
[NPU41156](#)
DNA(spec.)—TRBV27 gene; seq.var. = ?

DNA(specification)—
TRBV28 gene;
sequence variation
name of component: T cell receptor beta variable
28
[NPU41157](#)
DNA(spec.)—TRBV28 gene; seq.var. = ?

DNA(specification)—
TRBV29-1 gene;
sequence variation
name of component: T cell receptor beta variable
29-1
[NPU41158](#)
DNA(spec.)—TRBV29-1 gene; seq.var. = ?

DNA(specification)—
TRBV29OR9-2 gene;
sequence variation
name of component: T cell receptor beta variable
29/OR9-2
[NPU41159](#)
DNA(spec.)—TRBV29OR9-2 gene; seq.var. = ?

DNA(specification)—
TRBV30 gene;
sequence variation
name of component: T cell receptor beta variable
30
[NPU41162](#)
DNA(spec.)—TRBV30 gene; seq.var. = ?

DNA(specification)—
TRBV3-1 gene;
sequence variation
name of component: T cell receptor beta variable
3-1
[NPU41160](#)
DNA(spec.)—TRBV3-1 gene; seq.var. = ?

DNA(specification)—
TRBV3-2 gene;
sequence variation
name of component: T cell receptor beta variable
3-2
[NPU41161](#)
DNA(spec.)—TRBV3-2 gene; seq.var. = ?

DNA(specification)—
TRBV4-1 gene;
sequence variation
name of component: T cell receptor beta variable
4-1
[NPU41163](#)
DNA(spec.)—TRBV4-1 gene; seq.var. = ?

DNA(specification)—
TRBV4-2 gene;
sequence variation
name of component: T cell receptor beta variable
4-2
[NPU41164](#)
DNA(spec.)—TRBV4-2 gene; seq.var. = ?

DNA(specification)—
TRBV4-3 gene;
sequence variation
name of component: T cell receptor beta variable
4-3
[NPU41165](#)
DNA(spec.)—TRBV4-3 gene; seq.var. = ?

DNA(specification)—
TRBV5-1 gene;
sequence variation
name of component: T cell receptor beta variable
5-1
[NPU41166](#)
DNA(spec.)—TRBV5-1 gene; seq.var. = ?

DNA(specification)—
TRBV5-2 gene;
sequence variation
name of component: T cell receptor beta variable
5-2
[NPU41167](#)
DNA(spec.)—TRBV5-2 gene; seq.var. = ?

DNA(specification)—
TRBV5-3 gene;
sequence variation
name of component: T cell receptor beta variable
5-3
[NPU41168](#)
DNA(spec.)—TRBV5-3 gene; seq.var. = ?

DNA(specification)—
TRBV5-4 gene;
sequence variation
name of component: T cell receptor beta variable
5-4
[NPU41169](#)
DNA(spec.)—TRBV5-4 gene; seq.var. = ?

DNA(specification)—
TRBV5-5 gene;
sequence variation
name of component: T cell receptor beta variable
5-5
[NPU41170](#)
DNA(spec.)—TRBV5-5 gene; seq.var. = ?

DNA(specification)—
TRBV5-6 gene;
sequence variation
name of component: T cell receptor beta variable
5-6
[NPU41171](#)
DNA(spec.)—TRBV5-6 gene; seq.var. = ?

DNA(specification)—
TRBV5-7 gene;
sequence variation
name of component: T cell receptor beta variable
5-7
[NPU41172](#)
DNA(spec.)—TRBV5-7 gene; seq.var. = ?

DNA(specification)—
TRBV5-8 gene;
sequence variation
name of component: T cell receptor beta variable
5-8
[NPU41173](#)
DNA(spec.)—TRBV5-8 gene; seq.var. = ?

DNA(specification)—
TRBV6-1 gene;
sequence variation
name of component: T cell receptor beta variable
6-1
[NPU41174](#)
DNA(spec.)—TRBV6-1 gene; seq.var. = ?

DNA(specification)—
TRBV6-2 gene;
sequence variation
name of component: T cell receptor beta variable
6-2
[NPU41175](#)
DNA(spec.)—TRBV6-2 gene; seq.var. = ?

DNA(specification)—
TRBV6-3 gene;
sequence variation
name of component: T cell receptor beta variable
6-3
[NPU41176](#)
DNA(spec.)—TRBV6-3 gene; seq.var. = ?

DNA(specification)—
TRBV6-4 gene;
sequence variation
name of component: T cell receptor beta variable
6-4
[NPU41177](#)
DNA(spec.)—TRBV6-4 gene; seq.var. = ?

DNA(specification)—
TRBV6-5 gene;
sequence variation
name of component: T cell receptor beta variable
6-5
[NPU41178](#)
DNA(spec.)—TRBV6-5 gene; seq.var. = ?

DNA(specification)—
TRBV6-6 gene;
sequence variation
name of component: T cell receptor beta variable
6-6
[NPU41179](#)
DNA(spec.)—TRBV6-6 gene; seq.var. = ?

DNA(specification)—
TRBV6-7 gene;
sequence variation
name of component: T cell receptor beta variable
6-7
[NPU41180](#)
DNA(spec.)—TRBV6-7 gene; seq.var. = ?

DNA(specification)—
TRBV6-8 gene;
sequence variation
name of component: T cell receptor beta variable
6-8
[NPU41181](#)
DNA(spec.)—TRBV6-8 gene; seq.var. = ?

DNA(specification)—
TRBV6-9 gene;
sequence variation
name of component: T cell receptor beta variable
6-9
[NPU41182](#)
DNA(spec.)—TRBV6-9 gene; seq.var. = ?

DNA(specification)—
TRBV7-1 gene;
sequence variation
name of component: T cell receptor beta variable
7-1
[NPU41183](#)
DNA(spec.)—TRBV7-1 gene; seq.var. = ?

DNA(specification)—
TRBV7-2 gene;
sequence variation
name of component: T cell receptor beta variable
7-2
[NPU41184](#)
DNA(spec.)—TRBV7-2 gene; seq.var. = ?

DNA(specification)—
TRBV7-3 gene;
sequence variation
name of component: T cell receptor beta variable
7-3
[NPU41185](#)
DNA(spec.)—TRBV7-3 gene; seq.var. = ?

DNA(specification)—
TRBV7-4 gene;
sequence variation
name of component: T cell receptor beta variable
7-4
[NPU41186](#)
DNA(spec.)—TRBV7-4 gene; seq.var. = ?

DNA(specification)—
TRBV7-5 gene;
sequence variation
name of component: T cell receptor beta variable
7-5
[NPU41187](#)
DNA(spec.)—TRBV7-5 gene; seq.var. = ?

DNA(specification)—
TRBV7-6 gene;
sequence variation
name of component: T cell receptor beta variable 7-6
[NPU41188](#)
DNA(spec.)—TRBV7-6 gene; seq.var. = ?

DNA(specification)—
TRBV7-7 gene;
sequence variation
name of component: T cell receptor beta variable 7-7
[NPU41189](#)
DNA(spec.)—TRBV7-7 gene; seq.var. = ?

DNA(specification)—
TRBV7-8 gene;
sequence variation
name of component: T cell receptor beta variable 7-8
[NPU41190](#)
DNA(spec.)—TRBV7-8 gene; seq.var. = ?

DNA(specification)—
TRBV7-9 gene;
sequence variation
name of component: T cell receptor beta variable 7-9
[NPU41191](#)
DNA(spec.)—TRBV7-9 gene; seq.var. = ?

DNA(specification)—
TRBV8-1 gene;
sequence variation
name of component: T cell receptor beta variable 8-1
[NPU41192](#)
DNA(spec.)—TRBV8-1 gene; seq.var. = ?

DNA(specification)—
TRBV8-2 gene;
sequence variation
name of component: T cell receptor beta variable 8-2
[NPU41193](#)
DNA(spec.)—TRBV8-2 gene; seq.var. = ?

DNA(specification)—
TRBV9 gene;
sequence variation
name of component: T cell receptor beta variable 9
[NPU41194](#)
DNA(spec.)—TRBV9 gene; seq.var. = ?

DNA(specification)—
TRBVA gene;
sequence variation
name of component: T cell receptor beta variable A
[NPU41195](#)
DNA(spec.)—TRBVA gene; seq.var. = ?

DNA(specification)—
TRBVAOR9-2 gene;
sequence variation
name of component: T cell receptor beta variable A/OR9-2
[NPU46647](#)
DNA(spec.)—TRBVAOR9-2 gene; seq.var. = ?

DNA(specification)—
TRBVB gene;
sequence variation
name of component: T cell receptor beta variable B
[NPU41196](#)
DNA(spec.)—TRBVB gene; seq.var. = ?

DNA(specification)—
TRBVOR9@ gene;
sequence variation
name of component: T cell receptor beta variable orphans on chromosome 9
[NPU41197](#)
DNA(spec.)—TRBVOR9@ gene; seq.var. = ?

DNA(specification)—
TRC gene;
sequence variation
name of component: tRNA cysteine
[NPU41198](#)
DNA(spec.)—TRC gene; seq.var. = ?

DNA(specification)—
TRD gene;
sequence variation
name of component: tRNA aspartic acid
[NPU41199](#)
DNA(spec.)—TRD gene; seq.var. = ?

DNA(specification)—
TRD@ gene;
sequence variation
name of component: T cell receptor delta locus
[NPU41200](#)
DNA(spec.)—TRD@ gene; seq.var. = ?

DNA(specification)—
TRDC gene;
sequence variation
name of component: T cell receptor delta constant
[NPU41201](#)
DNA(spec.)—TRDC gene; seq.var. = ?

DNA(specification)—**TRDD1 gene;****sequence variation**

name of component: T cell receptor delta diversity 1

[NPU41202](#)

DNA(spec.)—TRDD1 gene; seq.var. = ?

DNA(specification)—**TRDD2 gene;****sequence variation**

name of component: T cell receptor delta diversity 2

[NPU41203](#)

DNA(spec.)—TRDD2 gene; seq.var. = ?

DNA(specification)—**TRDD3 gene;****sequence variation**

name of component: T cell receptor delta diversity 3

[NPU41204](#)

DNA(spec.)—TRDD3 gene; seq.var. = ?

DNA(specification)—**TRDJ1 gene;****sequence variation**

name of component: T cell receptor delta joining 1

[NPU41205](#)

DNA(spec.)—TRDJ1 gene; seq.var. = ?

DNA(specification)—**TRDJ2 gene;****sequence variation**

name of component: T cell receptor delta joining 2

[NPU41206](#)

DNA(spec.)—TRDJ2 gene; seq.var. = ?

DNA(specification)—**TRDJ3 gene;****sequence variation**

name of component: T cell receptor delta joining 3

[NPU41207](#)

DNA(spec.)—TRDJ3 gene; seq.var. = ?

DNA(specification)—**TRDJ4 gene;****sequence variation**

name of component: T cell receptor delta joining 4

[NPU41208](#)

DNA(spec.)—TRDJ4 gene; seq.var. = ?

DNA(specification)—**TRDN gene;****sequence variation**

name of component: triadin

[NPU41209](#)

DNA(spec.)—TRDN gene; seq.var. = ?

DNA(specification)—**TRDV1 gene;****sequence variation**

name of component: T cell receptor delta variable 1

[NPU41210](#)

DNA(spec.)—TRDV1 gene; seq.var. = ?

DNA(specification)—**TRDV2 gene;****sequence variation**

name of component: T cell receptor delta variable 2

[NPU41211](#)

DNA(spec.)—TRDV2 gene; seq.var. = ?

DNA(specification)—**TRDV3 gene;****sequence variation**

name of component: T cell receptor delta variable 3

[NPU41212](#)

DNA(spec.)—TRDV3 gene; seq.var. = ?

DNA(specification)—**TRE gene;****sequence variation**

name of component: tRNA glutamic acid

[NPU41213](#)

DNA(spec.)—TRE gene; seq.var. = ?

DNA(specification)—**TREH gene;****sequence variation**

name of component: trehalase (brush-border membrane glycoprotein)

[NPU41214](#)

DNA(spec.)—TREH gene; seq.var. = ?

DNA(specification)—**TREL1 gene;****sequence variation**

name of component: tRNA glutamic acid-like 1

[NPU41215](#)

DNA(spec.)—TREL1 gene; seq.var. = ?

DNA(specification)—**TREM1 gene;****sequence variation**

name of component: triggering receptor expressed on myeloid cells 1

[NPU46089](#)

DNA(spec.)—TREM1 gene; seq.var. = ?

DNA(specification)—
TREM2 gene;
sequence variation
 name of component: triggering receptor expressed on myeloid cells 2
[NPU46090](#)
 DNA(spec.)—TREM2 gene; seq.var. = ?

DNA(specification)—
TRESMCR gene;
sequence variation
 name of component: TRE oncogene, Smith Ma-genis syndrome chromosome region
[NPU41216](#)
 DNA(spec.)—TRESMCR gene; seq.var. = ?

DNA(specification)—
TREX1 gene;
sequence variation
 name of component: three prime repair exonuclease 1
[NPU41217](#)
 DNA(spec.)—TREX1 gene; seq.var. = ?

DNA(specification)—
TREX2 gene;
sequence variation
 name of component: three prime repair exonuclease 2
[NPU41218](#)
 DNA(spec.)—TREX2 gene; seq.var. = ?

DNA(specification)—
TRG@ gene;
sequence variation
 name of component: T cell receptor gamma locus
[NPU41219](#)
 DNA(spec.)—TRG@ gene; seq.var. = ?

DNA(specification)—
TRG1 gene;
sequence variation
 name of component: tRNA glycine (CCC) 1
[NPU41220](#)
 DNA(spec.)—TRG1 gene; seq.var. = ?

DNA(specification)—
TRG2 gene;
sequence variation
 name of component: tRNA glycine 2
[NPU41221](#)
 DNA(spec.)—TRG2 gene; seq.var. = ?

DNA(specification)—
TRG3 gene;
sequence variation
 name of component: tRNA glycine (UCC) 3
[NPU41222](#)
 DNA(spec.)—TRG3 gene; seq.var. = ?

DNA(specification)—
TRG4 gene;
sequence variation
 name of component: tRNA glycine 4
[NPU42575](#)
 DNA(spec.)—TRG4 gene; seq.var. = ?

DNA(specification)—
TRGC1 gene;
sequence variation
 name of component: T cell receptor gamma constant 1
[NPU41223](#)
 DNA(spec.)—TRGC1 gene; seq.var. = ?

DNA(specification)—
TRGC2 gene;
sequence variation
 name of component: T cell receptor gamma constant 2
[NPU41224](#)
 DNA(spec.)—TRGC2 gene; seq.var. = ?

DNA(specification)—
TRGJ1 gene;
sequence variation
 name of component: T cell receptor gamma joining 1
[NPU41225](#)
 DNA(spec.)—TRGJ1 gene; seq.var. = ?

DNA(specification)—
TRGJ2 gene;
sequence variation
 name of component: T cell receptor gamma joining 2
[NPU41226](#)
 DNA(spec.)—TRGJ2 gene; seq.var. = ?

DNA(specification)—
TRGJP gene;
sequence variation
 name of component: T cell receptor gamma joining P
[NPU41227](#)
 DNA(spec.)—TRGJP gene; seq.var. = ?

DNA(specification)—
TRGJP1 gene;
sequence variation
 name of component: T cell receptor gamma joining P1
[NPU41228](#)
 DNA(spec.)—TRGJP1 gene; seq.var. = ?

DNA(specification)—**TRGJP2 gene;****sequence variation**

name of component: T cell receptor gamma joining P2

[NPU41229](#)

DNA(spec.)—TRGJP2 gene; seq.var. = ?

DNA(specification)—**TRGL1 gene;****sequence variation**

name of component: tRNA glycine (GCC)-like 1

[NPU41230](#)

DNA(spec.)—TRGL1 gene; seq.var. = ?

DNA(specification)—**TRGP1 gene;****sequence variation**

name of component: tRNA glycine (GCC) pseudogene 1

[NPU41231](#)

DNA(spec.)—TRGP1 gene; seq.var. = ?

DNA(specification)—**TRGV1 gene;****sequence variation**

name of component: T cell receptor gamma variable 1

[NPU41232](#)

DNA(spec.)—TRGV1 gene; seq.var. = ?

DNA(specification)—**TRGV10 gene;****sequence variation**

name of component: T cell receptor gamma variable 10

[NPU41233](#)

DNA(spec.)—TRGV10 gene; seq.var. = ?

DNA(specification)—**TRGV11 gene;****sequence variation**

name of component: T cell receptor gamma variable 11

[NPU41234](#)

DNA(spec.)—TRGV11 gene; seq.var. = ?

DNA(specification)—**TRGV2 gene;****sequence variation**

name of component: T cell receptor gamma variable 2

[NPU41235](#)

DNA(spec.)—TRGV2 gene; seq.var. = ?

DNA(specification)—**TRGV3 gene;****sequence variation**

name of component: T cell receptor gamma variable 3

[NPU41236](#)

DNA(spec.)—TRGV3 gene; seq.var. = ?

DNA(specification)—**TRGV4 gene;****sequence variation**

name of component: T cell receptor gamma variable 4

[NPU41237](#)

DNA(spec.)—TRGV4 gene; seq.var. = ?

DNA(specification)—**TRGV5 gene;****sequence variation**

name of component: T cell receptor gamma variable 5

[NPU41238](#)

DNA(spec.)—TRGV5 gene; seq.var. = ?

DNA(specification)—**TRGV5P gene;****sequence variation**

name of component: T cell receptor gamma variable 5P

[NPU41239](#)

DNA(spec.)—TRGV5P gene; seq.var. = ?

DNA(specification)—**TRGV6 gene;****sequence variation**

name of component: T cell receptor gamma variable 6

[NPU41240](#)

DNA(spec.)—TRGV6 gene; seq.var. = ?

DNA(specification)—**TRGV7 gene;****sequence variation**

name of component: T cell receptor gamma variable 7

[NPU41241](#)

DNA(spec.)—TRGV7 gene; seq.var. = ?

DNA(specification)—**TRGV8 gene;****sequence variation**

name of component: T cell receptor gamma variable 8

[NPU41242](#)

DNA(spec.)—TRGV8 gene; seq.var. = ?

DNA(specification)—**TRGV9 gene;****sequence variation**

name of component: T cell receptor gamma variable 9

[NPU41243](#)

DNA(spec.)—TRGV9 gene; seq.var. = ?

DNA(specification)—**TRGVA gene;****sequence variation**

name of component: T cell receptor gamma variable A

[NPU41244](#)

DNA(spec.)—TRGVA gene; seq.var. = ?

DNA(specification)—**TRGVB gene;****sequence variation**

name of component: T cell receptor gamma variable B

[NPU41245](#)

DNA(spec.)—TRGVB gene; seq.var. = ?

DNA(specification)—**TRH gene;****sequence variation**

name of component: thyrotropin-releasing hormone

[NPU41246](#)

DNA(spec.)—TRH gene; seq.var. = ?

DNA(specification)—**TRHR gene;****sequence variation**

name of component: thyrotropin-releasing hormone receptor

[NPU41247](#)

DNA(spec.)—TRHR gene; seq.var. = ?

DNA(specification)—**TRI gene;****sequence variation**

name of component: tRNA isoleucine

[NPU41248](#)

DNA(spec.)—TRI gene; seq.var. = ?

DNA(specification)—**TRICY1 gene;****sequence variation**

name of component: trichilemmal cyst 1

[NPU41249](#)

DNA(spec.)—TRICY1 gene; seq.var. = ?

DNA(specification)—**TRIM10 gene;****sequence variation**

name of component: tripartite motif-containing 10

[NPU39280](#)

DNA(spec.)—TRIM10 gene; seq.var. = ?

DNA(specification)—**TRIM11 gene;****sequence variation**

name of component: tripartite motif-containing 11

[NPU44317](#)

DNA(spec.)—TRIM11 gene; seq.var. = ?

DNA(specification)—**TRIM14 gene;****sequence variation**

name of component: tripartite motif-containing 14

[NPU44318](#)

DNA(spec.)—TRIM14 gene; seq.var. = ?

DNA(specification)—**TRIM15 gene;****sequence variation**

name of component: tripartite motif-containing 15

[NPU44319](#)

DNA(spec.)—TRIM15 gene; seq.var. = ?

DNA(specification)—**TRIM16 gene;****sequence variation**

name of component: tripartite motif-containing 16

[NPU44930](#)

DNA(spec.)—TRIM16 gene; seq.var. = ?

DNA(specification)—**TRIM17 gene;****sequence variation**

name of component: tripartite motif-containing 17

[NPU42127](#)

DNA(spec.)—TRIM17 gene; seq.var. = ?

DNA(specification)—**TRIM2 gene;****sequence variation**

name of component: tripartite motif-containing 2

[NPU44052](#)

DNA(spec.)—TRIM2 gene; seq.var. = ?

DNA(specification)—**TRIM22 gene;****sequence variation**

name of component: tripartite motif-containing 22

[NPU44389](#)

DNA(spec.)—TRIM22 gene; seq.var. = ?

DNA(specification)—**TRIM26 gene;****sequence variation**

name of component: tripartite motif-containing 26

[NPU41815](#)

DNA(spec.)—TRIM26 gene; seq.var. = ?

DNA(specification)—
TRIM28 gene;
sequence variation
name of component: tripartite motif-containing 28
[NPU44392](#)
DNA(spec.)—TRIM28 gene; seq.var. = ?

DNA(specification)—
TRIM29 gene;
sequence variation
name of component: tripartite motif-containing 29
[NPU44945](#)
DNA(spec.)—TRIM29 gene; seq.var. = ?

DNA(specification)—
TRIM3 gene;
sequence variation
name of component: tripartite motif-containing 3
[NPU39272](#)
DNA(spec.)—TRIM3 gene; seq.var. = ?

DNA(specification)—
TRIM31 gene;
sequence variation
name of component: tripartite motif-containing 31
[NPU44324](#)
DNA(spec.)—TRIM31 gene; seq.var. = ?

DNA(specification)—
TRIM32 gene;
sequence variation
name of component: tripartite motif-containing 32
[NPU44390](#)
DNA(spec.)—TRIM32 gene; seq.var. = ?

DNA(specification)—
TRIM33 gene;
sequence variation
name of component: tripartite motif-containing 33
[NPU44325](#)
DNA(spec.)—TRIM33 gene; seq.var. = ?

DNA(specification)—
TRIM34 gene;
sequence variation
name of component: tripartite motif-containing 34
[NPU39271](#)
DNA(spec.)—TRIM34 gene; seq.var. = ?

DNA(specification)—
TRIM35 gene;
sequence variation
name of component: tripartite motif-containing 35
[NPU44320](#)
DNA(spec.)—TRIM35 gene; seq.var. = ?

DNA(specification)—
TRIM36 gene;
sequence variation
name of component: tripartite motif-containing 36
[NPU44316](#)
DNA(spec.)—TRIM36 gene; seq.var. = ?

DNA(specification)—
TRIM37 gene;
sequence variation
name of component: tripartite motif-containing 37
[NPU37135](#)
DNA(spec.)—TRIM37 gene; seq.var. = ?

DNA(specification)—
TRIM38 gene;
sequence variation
name of component: tripartite motif-containing 38
[NPU39267](#)
DNA(spec.)—TRIM38 gene; seq.var. = ?

DNA(specification)—
TRIM39 gene;
sequence variation
name of component: tripartite motif-containing 39
[NPU39273](#)
DNA(spec.)—TRIM39 gene; seq.var. = ?

DNA(specification)—
TRIM4 gene;
sequence variation
name of component: tripartite motif-containing 4
[NPU44312](#)
DNA(spec.)—TRIM4 gene; seq.var. = ?

DNA(specification)—
TRIM40 gene;
sequence variation
name of component: tripartite motif-containing 40
[NPU46644](#)
DNA(spec.)—TRIM40 gene; seq.var. = ?

DNA(specification)—
TRIM41 gene;
sequence variation
name of component: tripartite motif-containing 41
[NPU46815](#)
DNA(spec.)—TRIM41 gene; seq.var. = ?

DNA(specification)—
TRIM42 gene;
sequence variation
name of component: tripartite motif-containing 42
[NPU46816](#)
DNA(spec.)—TRIM42 gene; seq.var. = ?

DNA(specification)—
TRIM43 gene;
sequence variation
name of component: tripartite motif-containing 43
[NPU46817](#)
DNA(spec.)—TRIM43 gene; seq.var. = ?

DNA(specification)—
TRIM44 gene;
sequence variation
name of component: tripartite motif-containing 44
[NPU46818](#)
DNA(spec.)—TRIM44 gene; seq.var. = ?

DNA(specification)—
TRIM45 gene;
sequence variation
name of component: tripartite motif-containing 45
[NPU46820](#)
DNA(spec.)—TRIM45 gene; seq.var. = ?

DNA(specification)—
TRIM46 gene;
sequence variation
name of component: tripartite motif-containing 46
[NPU46821](#)
DNA(spec.)—TRIM46 gene; seq.var. = ?

DNA(specification)—
TRIM47 gene;
sequence variation
name of component: tripartite motif-containing 47
[NPU46822](#)
DNA(spec.)—TRIM47 gene; seq.var. = ?

DNA(specification)—
TRIM48 gene;
sequence variation
name of component: tripartite motif-containing 48
[NPU46823](#)
DNA(spec.)—TRIM48 gene; seq.var. = ?

DNA(specification)—
TRIM5 gene;
sequence variation
name of component: tripartite motif-containing 5
[NPU44313](#)
DNA(spec.)—TRIM5 gene; seq.var. = ?

DNA(specification)—
TRIM50A gene;
sequence variation
name of component: tripartite motif-containing 50A
[NPU46819](#)
DNA(spec.)—TRIM50A gene; seq.var. = ?

DNA(specification)—
TRIM50B gene;
sequence variation
name of component: tripartite motif-containing 50B
[NPU46335](#)
DNA(spec.)—TRIM50B gene; seq.var. = ?

DNA(specification)—
TRIM50C gene;
sequence variation
name of component: tripartite motif-containing 50C
[NPU46030](#)
DNA(spec.)—TRIM50C gene; seq.var. = ?

DNA(specification)—
TRIM51 gene;
sequence variation
name of component: tripartite motif-containing 51
[NPU46825](#)
DNA(spec.)—TRIM51 gene; seq.var. = ?

DNA(specification)—
TRIM52 gene;
sequence variation
name of component: tripartite motif-containing 52
[NPU46826](#)
DNA(spec.)—TRIM52 gene; seq.var. = ?

DNA(specification)—
TRIM56 gene;
sequence variation
name of component: tripartite motif-containing 56
[NPU46828](#)
DNA(spec.)—TRIM56 gene; seq.var. = ?

DNA(specification)—
TRIM57 gene;
sequence variation
name of component: tripartite motif-containing 57
[NPU46829](#)
DNA(spec.)—TRIM57 gene; seq.var. = ?

DNA(specification)—
TRIM6 gene;
sequence variation
name of component: tripartite motif-containing 6
[NPU44314](#)
DNA(spec.)—TRIM6 gene; seq.var. = ?

DNA(specification)—
TRIM7 gene;
sequence variation
name of component: tripartite motif-containing 7
[NPU44315](#)
DNA(spec.)—TRIM7 gene; seq.var. = ?

DNA(specification)—
TRIM8 gene;
sequence variation
name of component: tripartite motif-containing 8
[NPU43756](#)
DNA(spec.)—TRIM8 gene; seq.var. = ?

DNA(specification)—
TRIM9 gene;
sequence variation
name of component: tripartite motif-containing 9
[NPU44323](#)
DNA(spec.)—TRIM9 gene; seq.var. = ?

DNA(specification)—
TRIMP1 gene;
sequence variation
name of component: tripartite motif-containing
pseudogene 1
[NPU44928](#)
DNA(spec.)—TRIMP1 gene; seq.var. = ?

DNA(specification)—
TRIO gene;
sequence variation
name of component: triple functional domain
(PTPRF interacting)
[NPU41250](#)
DNA(spec.)—TRIO gene; seq.var. = ?

DNA(specification)—
TRIP10 gene;
sequence variation
name of component: thyroid hormone receptor in-
teractor 10
[NPU41251](#)
DNA(spec.)—TRIP10 gene; seq.var. = ?

DNA(specification)—
TRIP11 gene;
sequence variation
name of component: thyroid hormone receptor in-
teractor 11
[NPU41252](#)
DNA(spec.)—TRIP11 gene; seq.var. = ?

DNA(specification)—
TRIP12 gene;
sequence variation
name of component: thyroid hormone receptor in-
teractor 12
[NPU41253](#)
DNA(spec.)—TRIP12 gene; seq.var. = ?

DNA(specification)—
TRIP13 gene;
sequence variation
name of component: thyroid hormone receptor in-
teractor 13
[NPU41254](#)
DNA(spec.)—TRIP13 gene; seq.var. = ?

DNA(specification)—
TRIP3 gene;
sequence variation
name of component: thyroid hormone receptor in-
teractor 3
[NPU41255](#)
DNA(spec.)—TRIP3 gene; seq.var. = ?

DNA(specification)—
TRIP4 gene;
sequence variation
name of component: thyroid hormone receptor in-
teractor 4
[NPU41256](#)
DNA(spec.)—TRIP4 gene; seq.var. = ?

DNA(specification)—
TRIP6 gene;
sequence variation
name of component: thyroid hormone receptor in-
teractor 6
[NPU41257](#)
DNA(spec.)—TRIP6 gene; seq.var. = ?

DNA(specification)—
TRIP8 gene;
sequence variation
name of component: thyroid hormone receptor in-
teractor 8
[NPU41259](#)
DNA(spec.)—TRIP8 gene; seq.var. = ?

DNA(specification)—
TRK1 gene;
sequence variation
name of component: tRNA lysine 1
[NPU41260](#)
DNA(spec.)—TRK1 gene; seq.var. = ?

DNA(specification)—
TRL1 gene;
sequence variation
name of component: tRNA leucine 1
[NPU41261](#)
DNA(spec.)—TRL1 gene; seq.var. = ?

DNA(specification)—
TRL2 gene;
sequence variation
name of component: tRNA leucine 2
[NPU41262](#)
DNA(spec.)—TRL2 gene; seq.var. = ?

DNA(specification)—**TRLP1 gene;****sequence variation**

name of component: tRNA leucine (AAG) pseudogene 1

[NPU41263](#)

DNA(spec.)—TRLP1 gene; seq.var. = ?

DNA(specification)—**TRM1 gene;****sequence variation**

name of component: tRNA methionine 1

[NPU41264](#)

DNA(spec.)—TRM1 gene; seq.var. = ?

DNA(specification)—**TRMEP1 gene;****sequence variation**

name of component: tRNA methionine elongator pseudogene 1

[NPU41265](#)

DNA(spec.)—TRMEP1 gene; seq.var. = ?

DNA(specification)—**TRMI1 gene;****sequence variation**

name of component: tRNA methionine initiator 1

[NPU41266](#)

DNA(spec.)—TRMI1 gene; seq.var. = ?

DNA(specification)—**TRMI2 gene;****sequence variation**

name of component: tRNA methionine initiator 2

[NPU41267](#)

DNA(spec.)—TRMI2 gene; seq.var. = ?

DNA(specification)—**TRN gene;****sequence variation**

name of component: tRNA asparagine

[NPU41268](#)

DNA(spec.)—TRN gene; seq.var. = ?

DNA(specification)—**TRNL gene;****sequence variation**

name of component: tRNA asparagine-like

[NPU41269](#)

DNA(spec.)—TRNL gene; seq.var. = ?

DNA(specification)—**TRNT1 gene;****sequence variation**

name of component: tRNA nucleotidyl transferase, CCA-adding, 1

[NPU44990](#)

DNA(spec.)—TRNT1 gene; seq.var. = ?

DNA(specification)—**TRO gene;****sequence variation**

name of component: trophinin

[NPU41270](#)

DNA(spec.)—TRO gene; seq.var. = ?

DNA(specification)—**TROAP gene;****sequence variation**

name of component: trophinin associated protein (tastin)

[NPU41271](#)

DNA(spec.)—TROAP gene; seq.var. = ?

DNA(specification)—**TRP1 gene;****sequence variation**

name of component: tRNA proline 1

[NPU41272](#)

DNA(spec.)—TRP1 gene; seq.var. = ?

DNA(specification)—**TRP2 gene;****sequence variation**

name of component: tRNA proline 2

[NPU41273](#)

DNA(spec.)—TRP2 gene; seq.var. = ?

DNA(specification)—**TRP3 gene;****sequence variation**

name of component: tRNA proline (UGG) 3

[NPU41274](#)

DNA(spec.)—TRP3 gene; seq.var. = ?

DNA(specification)—**TRPC1 gene;****sequence variation**

name of component: transient receptor potential cation channel, subfamily C, member 1

[NPU41275](#)

DNA(spec.)—TRPC1 gene; seq.var. = ?

DNA(specification)—**TRPC2 gene;****sequence variation**

name of component: transient receptor potential cation channel, subfamily C, member 2

[NPU41276](#)

DNA(spec.)—TRPC2 gene; seq.var. = ?

DNA(specification)—**TRPC3 gene;****sequence variation**

name of component: transient receptor potential cation channel, subfamily C, member 3

[NPU41277](#)

DNA(spec.)—TRPC3 gene; seq.var. = ?

DNA(specification)—**TRPC4 gene;****sequence variation**

name of component: transient receptor potential cation channel, subfamily C, member 4

[NPU41278](#)

DNA(spec.)—TRPC4 gene; seq.var. = ?

DNA(specification)—**TRPC5 gene;****sequence variation**

name of component: transient receptor potential cation channel, subfamily C, member 5

[NPU41279](#)

DNA(spec.)—TRPC5 gene; seq.var. = ?

DNA(specification)—**TRPC6 gene;****sequence variation**

name of component: transient receptor potential cation channel, subfamily C, member 6

[NPU41280](#)

DNA(spec.)—TRPC6 gene; seq.var. = ?

DNA(specification)—**TRPC7 gene;****sequence variation**

name of component: transient receptor potential cation channel, subfamily C, member 7

[NPU47744](#)

DNA(spec.)—TRPC7 gene; seq.var. = ?

DNA(specification)—**TRPM1 gene;****sequence variation**

name of component: transient receptor potential cation channel, subfamily M, member 1

[NPU36858](#)

DNA(spec.)—TRPM1 gene; seq.var. = ?

DNA(specification)—**TRPM2 gene;****sequence variation**

name of component: transient receptor potential cation channel, subfamily M, member 2

[NPU41281](#)

DNA(spec.)—TRPM2 gene; seq.var. = ?

DNA(specification)—**TRPM3 gene;****sequence variation**

name of component: transient receptor potential cation channel, subfamily M, member 3

[NPU46212](#)

DNA(spec.)—TRPM3 gene; seq.var. = ?

DNA(specification)—**TRPM4 gene;****sequence variation**

name of component: transient receptor potential cation channel, subfamily M, member 4

[NPU46213](#)

DNA(spec.)—TRPM4 gene; seq.var. = ?

DNA(specification)—**TRPM5 gene;****sequence variation**

name of component: transient receptor potential cation channel, subfamily M, member 5

[NPU42668](#)

DNA(spec.)—TRPM5 gene; seq.var. = ?

DNA(specification)—**TRPM6 gene;****sequence variation**

name of component: transient receptor potential cation channel, subfamily M, member 6

[NPU46215](#)

DNA(spec.)—TRPM6 gene; seq.var. = ?

DNA(specification)—**TRPM7 gene;****sequence variation**

name of component: transient receptor potential cation channel, subfamily M, member 7

[NPU46214](#)

DNA(spec.)—TRPM7 gene; seq.var. = ?

DNA(specification)—**TRPM8 gene;****sequence variation**

name of component: transient receptor potential cation channel, subfamily M, member 8

[NPU46197](#)

DNA(spec.)—TRPM8 gene; seq.var. = ?

DNA(specification)—**TRPS1 gene;****sequence variation**

name of component: trichorhinophalangeal syndrome I

[NPU41282](#)

DNA(spec.)—TRPS1 gene; seq.var. = ?

DNA(specification)—**TRPT1 gene;****sequence variation**

name of component: tRNA phosphotransferase 1

[NPU47550](#)

DNA(spec.)—TRPT1 gene; seq.var. = ?

DNA(specification)—**TRPV1 gene;****sequence variation**

name of component: transient receptor potential cation channel, subfamily V, member 1

[NPU41599](#)

DNA(spec.)—TRPV1 gene; seq.var. = ?

DNA(specification)—**TRPV2 gene;****sequence variation**

name of component: transient receptor potential cation channel, subfamily V, member 2

[NPU46271](#)

DNA(spec.)—TRPV2 gene; seq.var. = ?

DNA(specification)—**TRPV3 gene;****sequence variation**

name of component: transient receptor potential cation channel, subfamily V, member 3

[NPU46273](#)

DNA(spec.)—TRPV3 gene; seq.var. = ?

DNA(specification)—**TRPV4 gene;****sequence variation**

name of component: transient receptor potential cation channel, subfamily V, member 4

[NPU46272](#)

DNA(spec.)—TRPV4 gene; seq.var. = ?

DNA(specification)—**TRPV5 gene;****sequence variation**

name of component: transient receptor potential cation channel, subfamily V, member 5

[NPU32498](#)

DNA(spec.)—TRPV5 gene; seq.var. = ?

DNA(specification)—**TRPV6 gene;****sequence variation**

name of component: transient receptor potential cation channel, subfamily V, member 6

[NPU42442](#)

DNA(spec.)—TRPV6 gene; seq.var. = ?

DNA(specification)—**TRQ1 gene;****sequence variation**

name of component: tRNA glutamine 1

[NPU41283](#)

DNA(spec.)—TRQ1 gene; seq.var. = ?

DNA(specification)—**TRQ2 gene;****sequence variation**

name of component: tRNA glutamine 2

[NPU41284](#)

DNA(spec.)—TRQ2 gene; seq.var. = ?

DNA(specification)—**TRR1 gene;****sequence variation**

name of component: tRNA arginine (UCU) 1

[NPU41285](#)

DNA(spec.)—TRR1 gene; seq.var. = ?

DNA(specification)—**TRR2 gene;****sequence variation**

name of component: tRNA arginine (ACG) 2

[NPU41286](#)

DNA(spec.)—TRR2 gene; seq.var. = ?

DNA(specification)—**TRR3 gene;****sequence variation**

name of component: tRNA arginine (UCG) 3

[NPU41287](#)

DNA(spec.)—TRR3 gene; seq.var. = ?

DNA(specification)—**TRR4 gene;****sequence variation**

name of component: tRNA arginine (CCG) 4

[NPU41288](#)

DNA(spec.)—TRR4 gene; seq.var. = ?

DNA(specification)—**TRRAP gene;****sequence variation**

name of component: transformation/transcription domain-associated protein

[NPU41289](#)

DNA(spec.)—TRRAP gene; seq.var. = ?

DNA(specification)—**TRS1 gene;****sequence variation**

name of component: tRNA serine (UGA) 1

[NPU44327](#)

DNA(spec.)—TRS1 gene; seq.var. = ?

DNA(specification)—**TRS2 gene;****sequence variation**

name of component: tRNA serine (AGA) 2

[NPU44328](#)

DNA(spec.)—TRS2 gene; seq.var. = ?

DNA(specification)—**TRS3 gene;****sequence variation**

name of component: tRNA serine (UGA) 3

[NPU44329](#)

DNA(spec.)—TRS3 gene; seq.var. = ?

DNA(specification)—**TRSP gene;****sequence variation**

name of component: tRNA phosphoserine (opal suppressor)

[NPU41290](#)

DNA(spec.)—TRSP gene; seq.var. = ?

DNA(specification)—**TRSPPI gene;****sequence variation**

name of component: tRNA phosphoserine (opal suppressor) pseudogene 1

[NPU41291](#)

DNA(spec.)—TRSPPI gene; seq.var. = ?

DNA(specification)—**TRT1 gene;****sequence variation**

name of component: tRNA threonine (UGU) 1

[NPU41292](#)

DNA(spec.)—TRT1 gene; seq.var. = ?

DNA(specification)—**TRT2 gene;****sequence variation**

name of component: tRNA threonine (UGU) 2

[NPU41293](#)

DNA(spec.)—TRT2 gene; seq.var. = ?

DNA(specification)—**TRT3 gene;****sequence variation**

name of component: tRNA threonine (AGU) 3

[NPU41294](#)

DNA(spec.)—TRT3 gene; seq.var. = ?

DNA(specification)—**TRUB1 gene;****sequence variation**

name of component: TruB pseudouridine (psi) synthase homolog 1 (E. coli)

[NPU44114](#)

DNA(spec.)—TRUB1 gene; seq.var. = ?

DNA(specification)—**TRUB2 gene;****sequence variation**

name of component: TruB pseudouridine (psi) synthase homolog 2 (E. coli)

[NPU44893](#)

DNA(spec.)—TRUB2 gene; seq.var. = ?

DNA(specification)—**TRV1 gene;****sequence variation**

name of component: tRNA valine 1

[NPU41295](#)

DNA(spec.)—TRV1 gene; seq.var. = ?

DNA(specification)—**TRV2 gene;****sequence variation**

name of component: tRNA valine (CAC) 2

[NPU41296](#)

DNA(spec.)—TRV2 gene; seq.var. = ?

DNA(specification)—**TRV3 gene;****sequence variation**

name of component: tRNA valine (IAC), isoacceptor 3

[NPU41297](#)

DNA(spec.)—TRV3 gene; seq.var. = ?

DNA(specification)—**TRVP1 gene;****sequence variation**

name of component: tRNA valine (CAC) pseudogene 1

[NPU41298](#)

DNA(spec.)—TRVP1 gene; seq.var. = ?

DNA(specification)—**TRVP2 gene;****sequence variation**

name of component: tRNA valine pseudogene 2

[NPU41299](#)

DNA(spec.)—TRVP2 gene; seq.var. = ?

DNA(specification)—**TRVP3 gene;****sequence variation**

name of component: tRNA valine pseudogene 3

[NPU41300](#)

DNA(spec.)—TRVP3 gene; seq.var. = ?

DNA(specification)—**TRVP4 gene;****sequence variation**

name of component: tRNA valine (AAC) pseudogene 4

[NPU41301](#)

DNA(spec.)—TRVP4 gene; seq.var. = ?

DNA(specification)—**TRW gene;****sequence variation**

name of component: tRNA tryptophan

[NPU41302](#)

DNA(spec.)—TRW gene; seq.var. = ?

DNA(specification)—
TSC1 gene;
sequence variation
name of component: tuberous sclerosis 1
[NPU19310](#)
DNA(spec.)—TSC1 gene; seq.var. = ?

DNA(specification)—
TSC2 gene;
sequence variation
name of component: tuberous sclerosis 2
[NPU19311](#)
DNA(spec.)—TSC2 gene; seq.var. = ?

DNA(specification)—
TSC3 gene;
sequence variation
name of component: tuberous sclerosis 3
[NPU41303](#)
DNA(spec.)—TSC3 gene; seq.var. = ?

DNA(specification)—
TSCOT gene;
sequence variation
name of component: thymic stromal co-transporter
[NPU44111](#)
DNA(spec.)—TSCOT gene; seq.var. = ?

DNA(specification)—
TSFM gene;
sequence variation
name of component: Ts translation elongation factor, mitochondrial
[NPU41304](#)
DNA(spec.)—TSFM gene; seq.var. = ?

DNA(specification)—
TSG101 gene;
sequence variation
name of component: tumor susceptibility gene 101
[NPU44049](#)
DNA(spec.)—TSG101 gene; seq.var. = ?

DNA(specification)—
TSGA10 gene;
sequence variation
name of component: testis specific, 10
[NPU43173](#)
DNA(spec.)—TSGA10 gene; seq.var. = ?

DNA(specification)—
TSGA13 gene;
sequence variation
name of component: testis specific, 13
[NPU41305](#)
DNA(spec.)—TSGA13 gene; seq.var. = ?

DNA(specification)—
TSGA14 gene;
sequence variation
name of component: testis specific, 14
[NPU41306](#)
DNA(spec.)—TSGA14 gene; seq.var. = ?

DNA(specification)—
TSGA2 gene;
sequence variation
name of component: testes specific A2 homolog (mouse)
[NPU41307](#)
DNA(spec.)—TSGA2 gene; seq.var. = ?

DNA(specification)—
TSHB gene;
sequence variation
name of component: thyroid stimulating hormone, beta
[NPU41308](#)
DNA(spec.)—TSHB gene; seq.var. = ?

DNA(specification)—
TSHR gene;
sequence variation
name of component: thyroid stimulating hormone receptor
[NPU41309](#)
DNA(spec.)—TSHR gene; seq.var. = ?

DNA(specification)—
TSHRL1 gene;
sequence variation
name of component: thyroid stimulating hormone receptor-like 1
[NPU41310](#)
DNA(spec.)—TSHRL1 gene; seq.var. = ?

DNA(specification)—
TSHRL2 gene;
sequence variation
name of component: thyroid stimulating hormone receptor-like 2
[NPU41311](#)
DNA(spec.)—TSHRL2 gene; seq.var. = ?

DNA(specification)—
TSHRL3 gene;
sequence variation
name of component: thyroid stimulating hormone receptor-like 3
[NPU41312](#)
DNA(spec.)—TSHRL3 gene; seq.var. = ?

DNA(specification)—**TSIX gene;****sequence variation**

name of component: X (inactive)-specific transcript, antisense

[NPU41313](#)

DNA(spec.)—TSIX gene; seq.var. = ?

DNA(specification)—**TSLC1 gene;****sequence variation**

name of component: tumor suppressor in lung cancer 1

[NPU41314](#)

DNA(spec.)—TSLC1 gene; seq.var. = ?

DNA(specification)—**TSN gene;****sequence variation**

name of component: translin

[NPU41315](#)

DNA(spec.)—TSN gene; seq.var. = ?

DNA(specification)—**TSNAX gene;****sequence variation**

name of component: translin-associated factor X

[NPU41316](#)

DNA(spec.)—TSNAX gene; seq.var. = ?

DNA(specification)—**TSNAXIP1 gene;****sequence variation**

name of component: translin-associated factor X interacting protein 1

[NPU46554](#)

DNA(spec.)—TSNAXIP1 gene; seq.var. = ?

DNA(specification)—**TSPY gene;****sequence variation**

name of component: testis specific protein, Y-linked

[NPU41317](#)

DNA(spec.)—TSPY gene; seq.var. = ?

DNA(specification)—**TSPYL gene;****sequence variation**

name of component: TSPY-like

[NPU41318](#)

DNA(spec.)—TSPYL gene; seq.var. = ?

DNA(specification)—**TSPYL3 gene;****sequence variation**

name of component: TSPY-like 3

[NPU44296](#)

DNA(spec.)—TSPYL3 gene; seq.var. = ?

DNA(specification)—**TSSC1 gene;****sequence variation**

name of component: tumor suppressing subtransferrable candidate 1

[NPU41319](#)

DNA(spec.)—TSSC1 gene; seq.var. = ?

DNA(specification)—**TSSC2 gene;****sequence variation**

name of component: tumor suppressing subtransferrable candidate 2

[NPU41320](#)

DNA(spec.)—TSSC2 gene; seq.var. = ?

DNA(specification)—**TSSC3 gene;****sequence variation**

name of component: tumor suppressing subtransferrable candidate 3

[NPU41321](#)

DNA(spec.)—TSSC3 gene; seq.var. = ?

DNA(specification)—**TSSC4 gene;****sequence variation**

name of component: tumor suppressing subtransferrable candidate 4

[NPU41322](#)

DNA(spec.)—TSSC4 gene; seq.var. = ?

DNA(specification)—**TST gene;****sequence variation**

name of component: thiosulfate sulfurtransferase (rhodanese)

[NPU41323](#)

DNA(spec.)—TST gene; seq.var. = ?

DNA(specification)—**TSTA1 gene;****sequence variation**

name of component: tissue specific transplantation antigen 1

[NPU44330](#)

DNA(spec.)—TSTA1 gene; seq.var. = ?

DNA(specification)—**TSTA2 gene;****sequence variation**

name of component: tissue specific transplantation antigen 2

[NPU44331](#)

DNA(spec.)—TSTA2 gene; seq.var. = ?

DNA(specification)—**TSTA3 gene;****sequence variation**

name of component: tissue specific transplantation antigen P35B

[NPU41324](#)

DNA(spec.)—TSTA3 gene; seq.var. = ?

DNA(specification)—**TTC1 gene;****sequence variation**

name of component: tetratricopeptide repeat domain 1

[NPU41325](#)

DNA(spec.)—TTC1 gene; seq.var. = ?

DNA(specification)—**TTC3 gene;****sequence variation**

name of component: tetratricopeptide repeat domain 3

[NPU41327](#)

DNA(spec.)—TTC3 gene; seq.var. = ?

DNA(specification)—**TTC4 gene;****sequence variation**

name of component: tetratricopeptide repeat domain 4

[NPU41328](#)

DNA(spec.)—TTC4 gene; seq.var. = ?

DNA(specification)—**TTC4P gene;****sequence variation**

name of component: tetratricopeptide repeat domain 4, pseudogene

[NPU41329](#)

DNA(spec.)—TTC4P gene; seq.var. = ?

DNA(specification)—**TTC6 gene;****sequence variation**

name of component: tetratricopeptide repeat domain 6

[NPU47172](#)

DNA(spec.)—TTC6 gene; seq.var. = ?

DNA(specification)—**TTC7 gene;****sequence variation**

name of component: tetratricopeptide repeat domain 7

[NPU47179](#)

DNA(spec.)—TTC7 gene; seq.var. = ?

DNA(specification)—**TTC7L1 gene;****sequence variation**

name of component: tetratricopeptide repeat domain 7 like 1

[NPU47279](#)

DNA(spec.)—TTC7L1 gene; seq.var. = ?

DNA(specification)—**TTC8 gene;****sequence variation**

name of component: tetratricopeptide repeat domain 8

[NPU47398](#)

DNA(spec.)—TTC8 gene; seq.var. = ?

DNA(specification)—**TTD gene;****sequence variation**

name of component: trichothiodystrophy

[NPU41330](#)

DNA(spec.)—TTD gene; seq.var. = ?

DNA(specification)—**TTF1 gene;****sequence variation**

name of component: transcription termination factor, RNA polymerase I

[NPU41331](#)

DNA(spec.)—TTF1 gene; seq.var. = ?

DNA(specification)—**TTF2 gene;****sequence variation**

name of component: transcription termination factor, RNA polymerase II

[NPU41332](#)

DNA(spec.)—TTF2 gene; seq.var. = ?

DNA(specification)—**TTID gene;****sequence variation**

name of component: titin immunoglobulin domain protein (myotilin)

[NPU41333](#)

DNA(spec.)—TTID gene; seq.var. = ?

DNA(specification)—**TTIM1 gene;****sequence variation**

name of component: T-cell tumor invasion and metastasis 1

[NPU41334](#)

DNA(spec.)—TTIM1 gene; seq.var. = ?

DNA(specification)—
TTK gene;
sequence variation
name of component: TTK protein kinase
[NPU41335](#)
DNA(spec.)—TTK gene; seq.var. = ?

DNA(specification)—
TTLL1 gene;
sequence variation
name of component: tubulin tyrosine ligase-like 1
[NPU31070](#)
DNA(spec.)—TTLL1 gene; seq.var. = ?

DNA(specification)—
TTN gene;
sequence variation
name of component: titin
[NPU41336](#)
DNA(spec.)—TTN gene; seq.var. = ?

DNA(specification)—
TTPA gene;
sequence variation
name of component: tocopherol (alpha) transfer protein (ataxia (Friedreich-like) with vitamin E deficiency)
[NPU41337](#)
DNA(spec.)—TTPA gene; seq.var. = ?

DNA(specification)—
TTR gene;
sequence variation
name of component: transthyretin (prealbumin, amyloidosis type I)
[NPU19239](#)
DNA(spec.)—TTR gene; seq.var. = ?

DNA(specification)—
TTRAP gene;
sequence variation
name of component: TRAF and TNF receptor associated protein
[NPU46092](#)
DNA(spec.)—TTRAP gene; seq.var. = ?

DNA(specification)—
TTY1 gene;
sequence variation
name of component: testis-specific transcript, Y-linked 1
[NPU42456](#)
DNA(spec.)—TTY1 gene; seq.var. = ?

DNA(specification)—
TTY10 gene;
sequence variation
name of component: testis-specific transcript, Y-linked 10
[NPU46497](#)
DNA(spec.)—TTY10 gene; seq.var. = ?

DNA(specification)—
TTY11 gene;
sequence variation
name of component: testis-specific transcript, Y-linked 11
[NPU46498](#)
DNA(spec.)—TTY11 gene; seq.var. = ?

DNA(specification)—
TTY12 gene;
sequence variation
name of component: testis-specific transcript, Y-linked 12
[NPU46499](#)
DNA(spec.)—TTY12 gene; seq.var. = ?

DNA(specification)—
TTY13 gene;
sequence variation
name of component: testis-specific transcript, Y-linked 13
[NPU46500](#)
DNA(spec.)—TTY13 gene; seq.var. = ?

DNA(specification)—
TTY14 gene;
sequence variation
name of component: testis-specific transcript, Y-linked 14
[NPU46501](#)
DNA(spec.)—TTY14 gene; seq.var. = ?

DNA(specification)—
TTY15 gene;
sequence variation
name of component: testis-specific transcript, Y-linked 15
[NPU46536](#)
DNA(spec.)—TTY15 gene; seq.var. = ?

DNA(specification)—
TTY16 gene;
sequence variation
name of component: testis-specific transcript, Y-linked 16
[NPU46693](#)
DNA(spec.)—TTY16 gene; seq.var. = ?

DNA(specification)—
TTY17 gene;
sequence variation
name of component: testis-specific transcript, Y-linked 17
[NPU46694](#)
DNA(spec.)—TTY17 gene; seq.var. = ?

DNA(specification)—
TTY18 gene;
sequence variation
name of component: testis-specific transcript, Y-linked 18
[NPU46695](#)
DNA(spec.)—TTY18 gene; seq.var. = ?

DNA(specification)—
TTY19 gene;
sequence variation
name of component: testis-specific transcript, Y-linked 19
[NPU46696](#)
DNA(spec.)—TTY19 gene; seq.var. = ?

DNA(specification)—
TTY2 gene;
sequence variation
name of component: testis-specific transcript, Y-linked 2
[NPU42457](#)
DNA(spec.)—TTY2 gene; seq.var. = ?

DNA(specification)—
TTY20 gene;
sequence variation
name of component: testis-specific transcript, Y-linked 20
[NPU46697](#)
DNA(spec.)—TTY20 gene; seq.var. = ?

DNA(specification)—
TTY21 gene;
sequence variation
name of component: testis-specific transcript, Y-linked 21
[NPU46698](#)
DNA(spec.)—TTY21 gene; seq.var. = ?

DNA(specification)—
TTY22 gene;
sequence variation
name of component: testis-specific transcript, Y-linked 22
[NPU46699](#)
DNA(spec.)—TTY22 gene; seq.var. = ?

DNA(specification)—
TTY23 gene;
sequence variation
name of component: testis-specific transcript, Y-linked 23
[NPU46700](#)
DNA(spec.)—TTY23 gene; seq.var. = ?

DNA(specification)—
TTY3 gene;
sequence variation
name of component: testis-specific transcript, Y-linked 3
[NPU44471](#)
DNA(spec.)—TTY3 gene; seq.var. = ?

DNA(specification)—
TTY4 gene;
sequence variation
name of component: testis-specific transcript, Y-linked 4
[NPU44472](#)
DNA(spec.)—TTY4 gene; seq.var. = ?

DNA(specification)—
TTY5 gene;
sequence variation
name of component: testis-specific transcript, Y-linked 5
[NPU44473](#)
DNA(spec.)—TTY5 gene; seq.var. = ?

DNA(specification)—
TTY6 gene;
sequence variation
name of component: testis-specific transcript, Y-linked 6
[NPU44474](#)
DNA(spec.)—TTY6 gene; seq.var. = ?

DNA(specification)—
TTY7 gene;
sequence variation
name of component: testis-specific transcript, Y-linked 7
[NPU46494](#)
DNA(spec.)—TTY7 gene; seq.var. = ?

DNA(specification)—
TTY8 gene;
sequence variation
name of component: testis-specific transcript, Y-linked 8
[NPU46495](#)
DNA(spec.)—TTY8 gene; seq.var. = ?

DNA(specification)—
TTY9 gene;
sequence variation
 name of component: testis-specific transcript, Y-linked 9
[NPU46496](#)
 DNA(spec.)—TTY9 gene; seq.var. = ?

DNA(specification)—
TTYH1 gene;
sequence variation
 name of component: tweety homolog 1 (Drosophila)
[NPU42144](#)
 DNA(spec.)—TTYH1 gene; seq.var. = ?

DNA(specification)—
TTYH2 gene;
sequence variation
 name of component: tweety homolog 2 (Drosophila)
[NPU42370](#)
 DNA(spec.)—TTYH2 gene; seq.var. = ?

DNA(specification)—
TUB gene;
sequence variation
 name of component: tubby homolog (mouse)
[NPU41338](#)
 DNA(spec.)—TUB gene; seq.var. = ?

DNA(specification)—
TUBA1 gene;
sequence variation
 name of component: tubulin, alpha 1 (testis specific)
[NPU41339](#)
 DNA(spec.)—TUBA1 gene; seq.var. = ?

DNA(specification)—
TUBA2 gene;
sequence variation
 name of component: tubulin, alpha 2
[NPU41340](#)
 DNA(spec.)—TUBA2 gene; seq.var. = ?

DNA(specification)—
TUBA4 gene;
sequence variation
 name of component: tubulin, alpha 4
[NPU46588](#)
 DNA(spec.)—TUBA4 gene; seq.var. = ?

DNA(specification)—
TUBA8 gene;
sequence variation
 name of component: tubulin, alpha 8
[NPU41342](#)
 DNA(spec.)—TUBA8 gene; seq.var. = ?

DNA(specification)—
TUBAL1 gene;
sequence variation
 name of component: tubulin, alpha-like 1
[NPU41341](#)
 DNA(spec.)—TUBAL1 gene; seq.var. = ?

DNA(specification)—
TUBAP gene;
sequence variation
 name of component: tubulin, alpha pseudogene
[NPU41343](#)
 DNA(spec.)—TUBAP gene; seq.var. = ?

DNA(specification)—
TUBAP2 gene;
sequence variation
 name of component: tubulin, alpha pseudogene 2
[NPU42838](#)
 DNA(spec.)—TUBAP2 gene; seq.var. = ?

DNA(specification)—
TUBB gene;
sequence variation
 name of component: tubulin, beta polypeptide
[NPU41344](#)
 DNA(spec.)—TUBB gene; seq.var. = ?

DNA(specification)—
TUBB1 gene;
sequence variation
 name of component: tubulin, beta 1
[NPU44297](#)
 DNA(spec.)—TUBB1 gene; seq.var. = ?

DNA(specification)—
TUBB4Q gene;
sequence variation
 name of component: tubulin, beta polypeptide 4, member Q
[NPU41345](#)
 DNA(spec.)—TUBB4Q gene; seq.var. = ?

DNA(specification)—
TUBBP1 gene;
sequence variation
 name of component: tubulin, beta polypeptide pseudogene 1
[NPU41346](#)
 DNA(spec.)—TUBBP1 gene; seq.var. = ?

DNA(specification)—
TUBBP2 gene;
sequence variation
 name of component: tubulin, beta polypeptide pseudogene 2
[NPU41347](#)
 DNA(spec.)—TUBBP2 gene; seq.var. = ?

DNA(specification)—
TUBBP3 gene;
sequence variation
name of component: tubulin, beta polypeptide
pseudogene 3
[NPU46344](#)
DNA(spec.)—TUBBP3 gene; seq.var. = ?

DNA(specification)—
TUBE1 gene;
sequence variation
name of component: tubulin, epsilon 1
[NPU47753](#)
DNA(spec.)—TUBE1 gene; seq.var. = ?

DNA(specification)—
TUBG1 gene;
sequence variation
name of component: tubulin, gamma 1
[NPU41348](#)
DNA(spec.)—TUBG1 gene; seq.var. = ?

DNA(specification)—
TUBG1P gene;
sequence variation
name of component: tubulin, gamma 1 pseudogene
[NPU41349](#)
DNA(spec.)—TUBG1P gene; seq.var. = ?

DNA(specification)—
TUBG2 gene;
sequence variation
name of component: tubulin, gamma 2
[NPU41350](#)
DNA(spec.)—TUBG2 gene; seq.var. = ?

DNA(specification)—
TUBGCP2 gene;
sequence variation
name of component: tubulin, gamma complex as-
sociated protein 2
[NPU46567](#)
DNA(spec.)—TUBGCP2 gene; seq.var. = ?

DNA(specification)—
TUBGCP3 gene;
sequence variation
name of component: tubulin, gamma complex as-
sociated protein 3
[NPU46566](#)
DNA(spec.)—TUBGCP3 gene; seq.var. = ?

DNA(specification)—
TUBGCP5 gene;
sequence variation
name of component: tubulin, gamma complex as-
sociated protein 5
[NPU46568](#)
DNA(spec.)—TUBGCP5 gene; seq.var. = ?

DNA(specification)—
TUBGCP6 gene;
sequence variation
name of component: tubulin, gamma complex as-
sociated protein 6
[NPU46313](#)
DNA(spec.)—TUBGCP6 gene; seq.var. = ?

DNA(specification)—
TUFM gene;
sequence variation
name of component: Tu translation elongation fac-
tor, mitochondrial
[NPU41351](#)
DNA(spec.)—TUFM gene; seq.var. = ?

DNA(specification)—
TUFML gene;
sequence variation
name of component: Tu translation elongation fac-
tor, mitochondrial-like
[NPU41352](#)
DNA(spec.)—TUFML gene; seq.var. = ?

DNA(specification)—
TUFT1 gene;
sequence variation
name of component: tuftelin 1
[NPU41353](#)
DNA(spec.)—TUFT1 gene; seq.var. = ?

DNA(specification)—
TULP1 gene;
sequence variation
name of component: tubby like protein 1
[NPU41354](#)
DNA(spec.)—TULP1 gene; seq.var. = ?

DNA(specification)—
TULP2 gene;
sequence variation
name of component: tubby like protein 2
[NPU41355](#)
DNA(spec.)—TULP2 gene; seq.var. = ?

DNA(specification)—
TULP3 gene;
sequence variation
name of component: tubby like protein 3
[NPU41356](#)
DNA(spec.)—TULP3 gene; seq.var. = ?

DNA(specification)—
TWIST1 gene;
sequence variation
name of component: twist homolog 1 (acroceph-
alosyndactyly 3; Saethre-Chotzen syndrome) (Dro-
sophila)
[NPU41357](#)
DNA(spec.)—TWIST1 gene; seq.var. = ?

DNA(specification)—
TWIST2 gene;
sequence variation
name of component: twist homolog 2 (Drosophila)
[NPU47711](#)
DNA(spec.)—TWIST2 gene; seq.var. = ?

DNA(specification)—
TWISTNB gene;
sequence variation
name of component: TWIST neighbor
[NPU46241](#)
DNA(spec.)—TWISTNB gene; seq.var. = ?

DNA(specification)—
TWSG1 gene;
sequence variation
name of component: twisted gastrulation homolog 1 (Drosophila)
[NPU41358](#)
DNA(spec.)—TWSG1 gene; seq.var. = ?

DNA(specification)—
TXK gene;
sequence variation
name of component: TXK tyrosine kinase
[NPU41359](#)
DNA(spec.)—TXK gene; seq.var. = ?

DNA(specification)—
TXN gene;
sequence variation
name of component: thioredoxin
[NPU41360](#)
DNA(spec.)—TXN gene; seq.var. = ?

DNA(specification)—
TXN2 gene;
sequence variation
name of component: thioredoxin 2
[NPU46093](#)
DNA(spec.)—TXN2 gene; seq.var. = ?

DNA(specification)—
TXNDC gene;
sequence variation
name of component: thioredoxin domain containing
[NPU43698](#)
DNA(spec.)—TXNDC gene; seq.var. = ?

DNA(specification)—
TXNDC2 gene;
sequence variation
name of component: thioredoxin domain containing 2 (spermatozoa)
[NPU44464](#)
DNA(spec.)—TXNDC2 gene; seq.var. = ?

DNA(specification)—
TXNDC3 gene;
sequence variation
name of component: thioredoxin domain containing 3 (spermatozoa)
[NPU44466](#)
DNA(spec.)—TXNDC3 gene; seq.var. = ?

DNA(specification)—
TXNDC4 gene;
sequence variation
name of component: thioredoxin domain containing 4 (endoplasmic reticulum)
[NPU46395](#)
DNA(spec.)—TXNDC4 gene; seq.var. = ?

DNA(specification)—
TXNDC5 gene;
sequence variation
name of component: thioredoxin domain containing 5
[NPU47857](#)
DNA(spec.)—TXNDC5 gene; seq.var. = ?

DNA(specification)—
TXNIP gene;
sequence variation
name of component: thioredoxin interacting protein
[NPU44790](#)
DNA(spec.)—TXNIP gene; seq.var. = ?

DNA(specification)—
TXNL gene;
sequence variation
name of component: thioredoxin-like, 32 kDa
[NPU41361](#)
DNA(spec.)—TXNL gene; seq.var. = ?

DNA(specification)—
TXNL2 gene;
sequence variation
name of component: thioredoxin-like 2
[NPU44062](#)
DNA(spec.)—TXNL2 gene; seq.var. = ?

DNA(specification)—
TXNRD1 gene;
sequence variation
name of component: thioredoxin reductase 1
[NPU41362](#)
DNA(spec.)—TXNRD1 gene; seq.var. = ?

DNA(specification)—
TXNRD2 gene;
sequence variation
name of component: thioredoxin reductase 2
[NPU46331](#)
DNA(spec.)—TXNRD2 gene; seq.var. = ?

DNA(specification)—**TYK2 gene;****sequence variation**

name of component: tyrosine kinase 2

[NPU41363](#)

DNA(spec.)—TYK2 gene; seq.var. = ?

DNA(specification)—**TYMS gene;****sequence variation**

name of component: thymidylate synthetase

[NPU41364](#)

DNA(spec.)—TYMS gene; seq.var. = ?

DNA(specification)—**TYR gene;****sequence variation**

name of component: tyrosinase (oculocutaneous albinism IA)

[NPU41365](#)

DNA(spec.)—TYR gene; seq.var. = ?

DNA(specification)—**TYRL gene;****sequence variation**

name of component: tyrosinase-like

[NPU41366](#)

DNA(spec.)—TYRL gene; seq.var. = ?

DNA(specification)—**TYRO3 gene;****sequence variation**

name of component: TYRO3 protein tyrosine kinase

[NPU41367](#)

DNA(spec.)—TYRO3 gene; seq.var. = ?

DNA(specification)—**TYRO3P gene;****sequence variation**

name of component: TYRO3P protein tyrosine kinase pseudogene

[NPU41368](#)

DNA(spec.)—TYRO3P gene; seq.var. = ?

DNA(specification)—**TYROBP gene;****sequence variation**

name of component: TYRO protein tyrosine kinase binding protein

[NPU41369](#)

DNA(spec.)—TYROBP gene; seq.var. = ?

DNA(specification)—**TYRP1 gene;****sequence variation**

name of component: tyrosinase-related protein 1

[NPU41370](#)

DNA(spec.)—TYRP1 gene; seq.var. = ?

DNA(specification)—**TYS gene;****sequence variation**

name of component: sclerokylosis

[NPU41371](#)

DNA(spec.)—TYS gene; seq.var. = ?

DNA(specification)—**U2AF1 gene;****sequence variation**

name of component: U2(RNU2) small nuclear RNA auxillary factor 1

[NPU41372](#)

DNA(spec.)—U2AF1 gene; seq.var. = ?

DNA(specification)—**U2AF1P gene;****sequence variation**

name of component: U2(RNU2) small nuclear RNA auxillary factor pseudogene 1

[NPU41373](#)

DNA(spec.)—U2AF1P gene; seq.var. = ?

DNA(specification)—**U2AFBP gene;****sequence variation**

name of component: U2(RNU2) small nuclear RNA auxillary factor binding protein

[NPU41374](#)

DNA(spec.)—U2AFBP gene; seq.var. = ?

DNA(specification)—**U2AFBPL gene;****sequence variation**

name of component: U2(RNU2) small nuclear RNA auxillary factor binding protein-like

[NPU41375](#)

DNA(spec.)—U2AFBPL gene; seq.var. = ?

DNA(specification)—**UACA gene;****sequence variation**

name of component: uveal autoantigen with coiled-coil domains and ankyrin repeats

[NPU44026](#)

DNA(spec.)—UACA gene; seq.var. = ?

DNA(specification)—**UAP1 gene;****sequence variation**

name of component: UDP-N-acetylglucosamine pyrophosphorylase 1

[NPU41376](#)

DNA(spec.)—UAP1 gene; seq.var. = ?

DNA(specification)—**UBA52 gene;****sequence variation**

name of component: ubiquitin A-52 residue ribosomal protein fusion product 1

[NPU41377](#)

DNA(spec.)—UBA52 gene; seq.var. = ?

DNA(specification)—**UBA52P1 gene;****sequence variation**

name of component: ubiquitin A-52 residue ribosomal protein fusion product 1 pseudogene 1

[NPU41378](#)

DNA(spec.)—UBA52P1 gene; seq.var. = ?

DNA(specification)—**UBA52P2 gene;****sequence variation**

name of component: ubiquitin A-52 residue ribosomal protein fusion product 1 pseudogene 2

[NPU41379](#)

DNA(spec.)—UBA52P2 gene; seq.var. = ?

DNA(specification)—**UBA52P3 gene;****sequence variation**

name of component: ubiquitin A-52 residue ribosomal protein fusion product 1 pseudogene 3

[NPU47396](#)

DNA(spec.)—UBA52P3 gene; seq.var. = ?

DNA(specification)—**UBAP1 gene;****sequence variation**

name of component: ubiquitin associated protein 1

[NPU41380](#)

DNA(spec.)—UBAP1 gene; seq.var. = ?

DNA(specification)—**UBAP2 gene;****sequence variation**

name of component: ubiquitin associated protein 2

[NPU42577](#)

DNA(spec.)—UBAP2 gene; seq.var. = ?

DNA(specification)—**UBASH3A gene;****sequence variation**

name of component: ubiquitin associated and SH3 domain containing, A

[NPU41381](#)

DNA(spec.)—UBASH3A gene; seq.var. = ?

DNA(specification)—**UBB gene;****sequence variation**

name of component: ubiquitin B

[NPU41382](#)

DNA(spec.)—UBB gene; seq.var. = ?

DNA(specification)—**UBBP1 gene;****sequence variation**

name of component: ubiquitin B pseudogene 1

[NPU41383](#)

DNA(spec.)—UBBP1 gene; seq.var. = ?

DNA(specification)—**UBBP2 gene;****sequence variation**

name of component: ubiquitin B pseudogene 2

[NPU41384](#)

DNA(spec.)—UBBP2 gene; seq.var. = ?

DNA(specification)—**UBBP3 gene;****sequence variation**

name of component: ubiquitin B pseudogene 3

[NPU41385](#)

DNA(spec.)—UBBP3 gene; seq.var. = ?

DNA(specification)—**UBBP4 gene;****sequence variation**

name of component: ubiquitin B pseudogene 4

[NPU41386](#)

DNA(spec.)—UBBP4 gene; seq.var. = ?

DNA(specification)—**UBC gene;****sequence variation**

name of component: ubiquitin C

[NPU41387](#)

DNA(spec.)—UBC gene; seq.var. = ?

DNA(specification)—**UBD gene;****sequence variation**

name of component: ubiquitin D

[NPU46666](#)

DNA(spec.)—UBD gene; seq.var. = ?

DNA(specification)—**UBE1 gene;****sequence variation**

name of component: ubiquitin-activating enzyme E1 (A1S9T and BN75 temperature sensitivity complementing)

[NPU41388](#)

DNA(spec.)—UBE1 gene; seq.var. = ?

DNA(specification)—**UBE1C gene;****sequence variation**

name of component: ubiquitin-activating enzyme E1C (UBA3 homolog, yeast)

[NPU41389](#)

DNA(spec.)—UBE1C gene; seq.var. = ?

DNA(specification)—**UBE1L gene;****sequence variation**

name of component: ubiquitin-activating enzyme
E1-like

[NPU41390](#)

DNA(spec.)—UBE1L gene; seq.var. = ?

DNA(specification)—**UBE2A gene;****sequence variation**

name of component: ubiquitin-conjugating enzyme
E2A (RAD6 homolog)

[NPU41391](#)

DNA(spec.)—UBE2A gene; seq.var. = ?

DNA(specification)—**UBE2B gene;****sequence variation**

name of component: ubiquitin-conjugating enzyme
E2B (RAD6 homolog)

[NPU41392](#)

DNA(spec.)—UBE2B gene; seq.var. = ?

DNA(specification)—**UBE2C gene;****sequence variation**

name of component: ubiquitin-conjugating enzyme
E2C

[NPU44017](#)

DNA(spec.)—UBE2C gene; seq.var. = ?

DNA(specification)—**UBE2CP1 gene;****sequence variation**

name of component: ubiquitin-conjugating enzyme
E2C pseudogene 1

[NPU47143](#)

DNA(spec.)—UBE2CP1 gene; seq.var. = ?

DNA(specification)—**UBE2D1 gene;****sequence variation**

name of component: ubiquitin-conjugating enzyme
E2D 1 (UBC4/5 homolog, yeast)

[NPU41393](#)

DNA(spec.)—UBE2D1 gene; seq.var. = ?

DNA(specification)—**UBE2D2 gene;****sequence variation**

name of component: ubiquitin-conjugating enzyme
E2D 2 (UBC4/5 homolog, yeast)

[NPU41394](#)

DNA(spec.)—UBE2D2 gene; seq.var. = ?

DNA(specification)—**UBE2D3 gene;****sequence variation**

name of component: ubiquitin-conjugating enzyme
E2D 3 (UBC4/5 homolog, yeast)

[NPU41395](#)

DNA(spec.)—UBE2D3 gene; seq.var. = ?

DNA(specification)—**UBE2E1 gene;****sequence variation**

name of component: ubiquitin-conjugating enzyme
E2E 1 (UBC4/5 homolog, yeast)

[NPU41396](#)

DNA(spec.)—UBE2E1 gene; seq.var. = ?

DNA(specification)—**UBE2E2 gene;****sequence variation**

name of component: ubiquitin-conjugating enzyme
E2E 2 (UBC4/5 homolog, yeast)

[NPU41397](#)

DNA(spec.)—UBE2E2 gene; seq.var. = ?

DNA(specification)—**UBE2E3 gene;****sequence variation**

name of component: ubiquitin-conjugating enzyme
E2E 3 (UBC4/5 homolog, yeast)

[NPU41398](#)

DNA(spec.)—UBE2E3 gene; seq.var. = ?

DNA(specification)—**UBE2F gene;****sequence variation**

name of component: ubiquitin-conjugating enzyme
E2F (UBC6 homolog, *C. elegans*)

[NPU41399](#)

DNA(spec.)—UBE2F gene; seq.var. = ?

DNA(specification)—**UBE2G1 gene;****sequence variation**

name of component: ubiquitin-conjugating enzyme
E2G 1 (UBC7 homolog, *C. elegans*)

[NPU41400](#)

DNA(spec.)—UBE2G1 gene; seq.var. = ?

DNA(specification)—**UBE2G2 gene;****sequence variation**

name of component: ubiquitin-conjugating enzyme
E2G 2 (UBC7 homolog, yeast)

[NPU41401](#)

DNA(spec.)—UBE2G2 gene; seq.var. = ?

DNA(specification)—
UBE2H gene;
sequence variation
name of component: ubiquitin-conjugating enzyme
E2H (UBC8 homolog, yeast)
[NPU41402](#)
DNA(spec.)—UBE2H gene; seq.var. = ?

DNA(specification)—
UBE2I gene;
sequence variation
name of component: ubiquitin-conjugating enzyme
E2I (UBC9 homolog, yeast)
[NPU41403](#)
DNA(spec.)—UBE2I gene; seq.var. = ?

DNA(specification)—
UBE2J1 gene;
sequence variation
name of component: ubiquitin-conjugating enzyme
E2, J1 (UBC6 homolog, yeast)
[NPU46057](#)
DNA(spec.)—UBE2J1 gene; seq.var. = ?

DNA(specification)—
UBE2J2 gene;
sequence variation
name of component: ubiquitin-conjugating enzyme
E2, J2 (UBC6 homolog, yeast)
[NPU46948](#)
DNA(spec.)—UBE2J2 gene; seq.var. = ?

DNA(specification)—
UBE2L1 gene;
sequence variation
name of component: ubiquitin-conjugating enzyme
E2L 1
[NPU41404](#)
DNA(spec.)—UBE2L1 gene; seq.var. = ?

DNA(specification)—
UBE2L2 gene;
sequence variation
name of component: ubiquitin-conjugating enzyme
E2L 2
[NPU41405](#)
DNA(spec.)—UBE2L2 gene; seq.var. = ?

DNA(specification)—
UBE2L3 gene;
sequence variation
name of component: ubiquitin-conjugating enzyme
E2L 3
[NPU41406](#)
DNA(spec.)—UBE2L3 gene; seq.var. = ?

DNA(specification)—
UBE2L4 gene;
sequence variation
name of component: ubiquitin-conjugating enzyme
E2L 4
[NPU41407](#)
DNA(spec.)—UBE2L4 gene; seq.var. = ?

DNA(specification)—
UBE2L6 gene;
sequence variation
name of component: ubiquitin-conjugating enzyme
E2L 6
[NPU41408](#)
DNA(spec.)—UBE2L6 gene; seq.var. = ?

DNA(specification)—
UBE2L7 gene;
sequence variation
name of component: ubiquitin-conjugating enzyme
E2L 7 pseudogene
[NPU47397](#)
DNA(spec.)—UBE2L7 gene; seq.var. = ?

DNA(specification)—
UBE2M gene;
sequence variation
name of component: ubiquitin-conjugating enzyme
E2M (UBC12 homolog, yeast)
[NPU41409](#)
DNA(spec.)—UBE2M gene; seq.var. = ?

DNA(specification)—
UBE2N gene;
sequence variation
name of component: ubiquitin-conjugating enzyme
E2N (UBC13 homolog, yeast)
[NPU41410](#)
DNA(spec.)—UBE2N gene; seq.var. = ?

DNA(specification)—
UBE2NP1 gene;
sequence variation
name of component: ubiquitin-conjugating enzyme
E2N pseudogene 1
[NPU47566](#)
DNA(spec.)—UBE2NP1 gene; seq.var. = ?

DNA(specification)—
UBE2Q gene;
sequence variation
name of component: ubiquitin-conjugating enzyme
E2Q (putative)
[NPU43835](#)
DNA(spec.)—UBE2Q gene; seq.var. = ?

DNA(specification)—
UBE2R2 gene;
sequence variation
name of component: ubiquitin-conjugating enzyme
E2R 2
[NPU47305](#)
DNA(spec.)—UBE2R2 gene; seq.var. = ?

DNA(specification)—
UBE2V1 gene;
sequence variation
name of component: ubiquitin-conjugating enzyme
E2 variant 1
[NPU41411](#)
DNA(spec.)—UBE2V1 gene; seq.var. = ?

DNA(specification)—
UBE2V1P1 gene;
sequence variation
name of component: ubiquitin-conjugating enzyme
E2 variant 1 pseudogene 1
[NPU44561](#)
DNA(spec.)—UBE2V1P1 gene; seq.var. = ?

DNA(specification)—
UBE2V2 gene;
sequence variation
name of component: ubiquitin-conjugating enzyme
E2 variant 2
[NPU41412](#)
DNA(spec.)—UBE2V2 gene; seq.var. = ?

DNA(specification)—
UBE3A gene;
sequence variation
name of component: ubiquitin protein ligase E3A
(human papilloma virus E6-associated protein, An-
gelman syndrome)
[NPU19205](#)
DNA(spec.)—UBE3A gene; seq.var. = ?

DNA(specification)—
UBE3AP1 gene;
sequence variation
name of component: ubiquitin protein ligase E3A
pseudogene 1
[NPU41413](#)
DNA(spec.)—UBE3AP1 gene; seq.var. = ?

DNA(specification)—
UBE3AP2 gene;
sequence variation
name of component: ubiquitin protein ligase E3A
pseudogene 2
[NPU41414](#)
DNA(spec.)—UBE3AP2 gene; seq.var. = ?

DNA(specification)—
UBE4A gene;
sequence variation
name of component: ubiquitination factor E4A
(UFD2 homolog, yeast)
[NPU41415](#)
DNA(spec.)—UBE4A gene; seq.var. = ?

DNA(specification)—
UBE4B gene;
sequence variation
name of component: ubiquitination factor E4B
(UFD2 homolog, yeast)
[NPU41416](#)
DNA(spec.)—UBE4B gene; seq.var. = ?

DNA(specification)—
UBL1 gene;
sequence variation
name of component: ubiquitin-like 1 (sentrin)
[NPU41417](#)
DNA(spec.)—UBL1 gene; seq.var. = ?

DNA(specification)—
UBL2 gene;
sequence variation
name of component: ubiquitin-like 2
[NPU41418](#)
DNA(spec.)—UBL2 gene; seq.var. = ?

DNA(specification)—
UBL3 gene;
sequence variation
name of component: ubiquitin-like 3
[NPU41419](#)
DNA(spec.)—UBL3 gene; seq.var. = ?

DNA(specification)—
UBL4 gene;
sequence variation
name of component: ubiquitin-like 4
[NPU41420](#)
DNA(spec.)—UBL4 gene; seq.var. = ?

DNA(specification)—
UBL5 gene;
sequence variation
name of component: ubiquitin-like 5
[NPU42301](#)
DNA(spec.)—UBL5 gene; seq.var. = ?

DNA(specification)—
UBL6 gene;
sequence variation
name of component: ubiquitin-like 6
[NPU44031](#)
DNA(spec.)—UBL6 gene; seq.var. = ?

- DNA(specification)—**
UBN1 gene;
sequence variation
name of component: ubinuclein 1
[NPU41421](#)
DNA(spec.)—UBN1 gene; seq.var. = ?
- DNA(specification)—**
UBP1 gene;
sequence variation
name of component: upstream binding protein 1 (LBP-1a)
[NPU41422](#)
DNA(spec.)—UBP1 gene; seq.var. = ?
- DNA(specification)—**
UBQLN1 gene;
sequence variation
name of component: ubiquilin 1
[NPU41423](#)
DNA(spec.)—UBQLN1 gene; seq.var. = ?
- DNA(specification)—**
UBQLN2 gene;
sequence variation
name of component: ubiquilin 2
[NPU41424](#)
DNA(spec.)—UBQLN2 gene; seq.var. = ?
- DNA(specification)—**
UBQLN3 gene;
sequence variation
name of component: ubiquilin 3
[NPU41425](#)
DNA(spec.)—UBQLN3 gene; seq.var. = ?
- DNA(specification)—**
UBR1 gene;
sequence variation
name of component: ubiquitin protein ligase E3 component n-recognin 1
[NPU44709](#)
DNA(spec.)—UBR1 gene; seq.var. = ?
- DNA(specification)—**
UBTF gene;
sequence variation
name of component: upstream binding transcription factor, RNA polymerase I
[NPU41426](#)
DNA(spec.)—UBTF gene; seq.var. = ?
- DNA(specification)—**
UBXD1 gene;
sequence variation
name of component: UBX domain containing 1
[NPU43174](#)
DNA(spec.)—UBXD1 gene; seq.var. = ?
- DNA(specification)—**
UBXD2 gene;
sequence variation
name of component: UBX domain containing 2
[NPU43118](#)
DNA(spec.)—UBXD2 gene; seq.var. = ?
- DNA(specification)—**
UCHH2 gene;
sequence variation
name of component: ubiquitin carboxyl-terminal esterase H2 (ubiquitin thiolesterase)
[NPU41427](#)
DNA(spec.)—UCHH2 gene; seq.var. = ?
- DNA(specification)—**
UCHL1 gene;
sequence variation
name of component: ubiquitin carboxyl-terminal esterase L1 (ubiquitin thiolesterase)
[NPU41428](#)
DNA(spec.)—UCHL1 gene; seq.var. = ?
- DNA(specification)—**
UCHL2 gene;
sequence variation
name of component: ubiquitin carboxyl-terminal esterase L2 (ubiquitin thiolesterase)
[NPU41429](#)
DNA(spec.)—UCHL2 gene; seq.var. = ?
- DNA(specification)—**
UCHL3 gene;
sequence variation
name of component: ubiquitin carboxyl-terminal esterase L3 (ubiquitin thiolesterase)
[NPU41430](#)
DNA(spec.)—UCHL3 gene; seq.var. = ?
- DNA(specification)—**
UCHL5 gene;
sequence variation
name of component: ubiquitin carboxyl-terminal hydrolase L5
[NPU47150](#)
DNA(spec.)—UCHL5 gene; seq.var. = ?
- DNA(specification)—**
UCN gene;
sequence variation
name of component: urocortin
[NPU41431](#)
DNA(spec.)—UCN gene; seq.var. = ?

DNA(specification)—**UCP1 gene;****sequence variation**

name of component: uncoupling protein 1 (mitochondrial, proton carrier)

[NPU19217](#)

DNA(spec.)—UCP1 gene; seq.var. = ?

DNA(specification)—**UCP2 gene;****sequence variation**

name of component: uncoupling protein 2 (mitochondrial, proton carrier)

[NPU19258](#)

DNA(spec.)—UCP2 gene; seq.var. = ?

DNA(specification)—**UCP3 gene;****sequence variation**

name of component: uncoupling protein 3 (mitochondrial, proton carrier)

[NPU19259](#)

DNA(spec.)—UCP3 gene; seq.var. = ?

DNA(specification)—**UFD1L gene;****sequence variation**

name of component: ubiquitin fusion degradation 1-like

[NPU41432](#)

DNA(spec.)—UFD1L gene; seq.var. = ?

DNA(specification)—**UFS gene;****sequence variation**

name of component: urofacial syndrome

[NPU41433](#)

DNA(spec.)—UFS gene; seq.var. = ?

DNA(specification)—**UGCG gene;****sequence variation**

name of component: UDP-glucose ceramide glucosyltransferase

[NPU41435](#)

DNA(spec.)—UGCG gene; seq.var. = ?

DNA(specification)—**UGCGL1 gene;****sequence variation**

name of component: UDP-glucose ceramide glucosyltransferase-like 1

[NPU43806](#)

DNA(spec.)—UGCGL1 gene; seq.var. = ?

DNA(specification)—**UGCGL2 gene;****sequence variation**

name of component: UDP-glucose ceramide glucosyltransferase-like 2

[NPU43807](#)

DNA(spec.)—UGCGL2 gene; seq.var. = ?

DNA(specification)—**UGDH gene;****sequence variation**

name of component: UDP-glucose dehydrogenase

[NPU41436](#)

DNA(spec.)—UGDH gene; seq.var. = ?

DNA(specification)—**UGP1 gene;****sequence variation**

name of component: UDP-glucose pyrophosphorylase 1

[NPU41437](#)

DNA(spec.)—UGP1 gene; seq.var. = ?

DNA(specification)—**UGP2 gene;****sequence variation**

name of component: UDP-glucose pyrophosphorylase 2

[NPU41438](#)

DNA(spec.)—UGP2 gene; seq.var. = ?

DNA(specification)—**UGT1A@ gene;****sequence variation**

name of component: UDP glycosyltransferase 1 family, polypeptide A cluster

[NPU41439](#)

DNA(spec.)—UGT1A@ gene; seq.var. = ?

DNA(specification)—**UGT1A1 gene;****sequence variation**

name of component: UDP glycosyltransferase 1 family, polypeptide A1

[NPU41440](#)

DNA(spec.)—UGT1A1 gene; seq.var. = ?

DNA(specification)—**UGT1A10 gene;****sequence variation**

name of component: UDP glycosyltransferase 1 family, polypeptide A10

[NPU41441](#)

DNA(spec.)—UGT1A10 gene; seq.var. = ?

DNA(specification)—**UGT1A11P gene;****sequence variation**

name of component: UDP glycosyltransferase 1 family, polypeptide A11 pseudogene

[NPU41442](#)

DNA(spec.)—UGT1A11P gene; seq.var. = ?

DNA(specification)—**UGT1A12P gene;****sequence variation**

name of component: UDP glycosyltransferase 1 family, polypeptide A12 pseudogene

[NPU41443](#)

DNA(spec.)—UGT1A12P gene; seq.var. = ?

DNA(specification)—**UGT1A2P gene;****sequence variation**

name of component: UDP glycosyltransferase 1 family, polypeptide A2 pseudogene

[NPU41444](#)

DNA(spec.)—UGT1A2P gene; seq.var. = ?

DNA(specification)—**UGT1A3 gene;****sequence variation**

name of component: UDP glycosyltransferase 1 family, polypeptide A3

[NPU41445](#)

DNA(spec.)—UGT1A3 gene; seq.var. = ?

DNA(specification)—**UGT1A4 gene;****sequence variation**

name of component: UDP glycosyltransferase 1 family, polypeptide A4

[NPU41446](#)

DNA(spec.)—UGT1A4 gene; seq.var. = ?

DNA(specification)—**UGT1A5 gene;****sequence variation**

name of component: UDP glycosyltransferase 1 family, polypeptide A5

[NPU41447](#)

DNA(spec.)—UGT1A5 gene; seq.var. = ?

DNA(specification)—**UGT1A6 gene;****sequence variation**

name of component: UDP glycosyltransferase 1 family, polypeptide A6

[NPU41448](#)

DNA(spec.)—UGT1A6 gene; seq.var. = ?

DNA(specification)—**UGT1A7 gene;****sequence variation**

name of component: UDP glycosyltransferase 1 family, polypeptide A7

[NPU41449](#)

DNA(spec.)—UGT1A7 gene; seq.var. = ?

DNA(specification)—**UGT1A8 gene;****sequence variation**

name of component: UDP glycosyltransferase 1 family, polypeptide A8

[NPU41450](#)

DNA(spec.)—UGT1A8 gene; seq.var. = ?

DNA(specification)—**UGT1A9 gene;****sequence variation**

name of component: UDP glycosyltransferase 1 family, polypeptide A9

[NPU41451](#)

DNA(spec.)—UGT1A9 gene; seq.var. = ?

DNA(specification)—**UGT2A1 gene;****sequence variation**

name of component: UDP glycosyltransferase 2 family, polypeptide A1

[NPU41452](#)

DNA(spec.)—UGT2A1 gene; seq.var. = ?

DNA(specification)—**UGT2B@ gene;****sequence variation**

name of component: UDP glycosyltransferase 2 family, polypeptide B cluster

[NPU41453](#)

DNA(spec.)—UGT2B@ gene; seq.var. = ?

DNA(specification)—**UGT2B10 gene;****sequence variation**

name of component: UDP glycosyltransferase 2 family, polypeptide B10

[NPU41454](#)

DNA(spec.)—UGT2B10 gene; seq.var. = ?

DNA(specification)—**UGT2B11 gene;****sequence variation**

name of component: UDP glycosyltransferase 2 family, polypeptide B11

[NPU41455](#)

DNA(spec.)—UGT2B11 gene; seq.var. = ?

DNA(specification)—**UGT2B15 gene;****sequence variation**

name of component: UDP glycosyltransferase 2 family, polypeptide B15

[NPU41456](#)

DNA(spec.)—UGT2B15 gene; seq.var. = ?

DNA(specification)—**UGT2B17 gene;****sequence variation**

name of component: UDP glycosyltransferase 2 family, polypeptide B17

[NPU41457](#)

DNA(spec.)—UGT2B17 gene; seq.var. = ?

DNA(specification)—**UGT2B24P gene;****sequence variation**

name of component: UDP glycosyltransferase 2 family, polypeptide B24 pseudogene

[NPU41458](#)

DNA(spec.)—UGT2B24P gene; seq.var. = ?

DNA(specification)—**UGT2B25P gene;****sequence variation**

name of component: UDP glycosyltransferase 2 family, polypeptide B25 pseudogene

[NPU41459](#)

DNA(spec.)—UGT2B25P gene; seq.var. = ?

DNA(specification)—**UGT2B26P gene;****sequence variation**

name of component: UDP glycosyltransferase 2 family, polypeptide B26 pseudogene

[NPU41460](#)

DNA(spec.)—UGT2B26P gene; seq.var. = ?

DNA(specification)—**UGT2B27P gene;****sequence variation**

name of component: UDP glycosyltransferase 2 family, polypeptide B27 pseudogene

[NPU41461](#)

DNA(spec.)—UGT2B27P gene; seq.var. = ?

DNA(specification)—**UGT2B28 gene;****sequence variation**

name of component: UDP glycosyltransferase 2 family, polypeptide B28

[NPU42145](#)

DNA(spec.)—UGT2B28 gene; seq.var. = ?

DNA(specification)—**UGT2B29P gene;****sequence variation**

name of component: UDP glycosyltransferase 2 family, polypeptide B28 pseudogene

[NPU41462](#)

DNA(spec.)—UGT2B29P gene; seq.var. = ?

DNA(specification)—**UGT2B4 gene;****sequence variation**

name of component: UDP glycosyltransferase 2 family, polypeptide B4

[NPU41463](#)

DNA(spec.)—UGT2B4 gene; seq.var. = ?

DNA(specification)—**UGT2B7 gene;****sequence variation**

name of component: UDP glycosyltransferase 2 family, polypeptide B7

[NPU41464](#)

DNA(spec.)—UGT2B7 gene; seq.var. = ?

DNA(specification)—**UGT8 gene;****sequence variation**

name of component: UDP glycosyltransferase 8 (UDP-galactose ceramide galactosyltransferase)

[NPU41465](#)

DNA(spec.)—UGT8 gene; seq.var. = ?

DNA(specification)—**UHRF1 gene;****sequence variation**

name of component: ubiquitin-like, containing PHD and RING finger domains, 1

[NPU41466](#)

DNA(spec.)—UHRF1 gene; seq.var. = ?

DNA(specification)—**UHRF2 gene;****sequence variation**

name of component: ubiquitin-like, containing PHD and RING finger domains, 2

[NPU41467](#)

DNA(spec.)—UHRF2 gene; seq.var. = ?

DNA(specification)—**ULBP1 gene;****sequence variation**

name of component: UL16 binding protein 1

[NPU43145](#)

DNA(spec.)—ULBP1 gene; seq.var. = ?

DNA(specification)—**ULBP2 gene;****sequence variation**

name of component: UL16 binding protein 2

[NPU43146](#)

DNA(spec.)—ULBP2 gene; seq.var. = ?

DNA(specification)—**ULBP3 gene;****sequence variation**

name of component: UL16 binding protein 3

[NPU43147](#)

DNA(spec.)—ULBP3 gene; seq.var. = ?

DNA(specification)—**ULK1 gene;****sequence variation**

name of component: unc-51-like kinase 1 (C. elegans)

[NPU41468](#)

DNA(spec.)—ULK1 gene; seq.var. = ?

DNA(specification)—**ULK2 gene;****sequence variation**

name of component: unc-51-like kinase 2 (C. elegans)

[NPU42146](#)

DNA(spec.)—ULK2 gene; seq.var. = ?

DNA(specification)—**UMOD gene;****sequence variation**

name of component: uromodulin (uromucoid, Tamm-Horsfall glycoprotein)

[NPU41469](#)

DNA(spec.)—UMOD gene; seq.var. = ?

DNA(specification)—**UMODL1 gene;****sequence variation**

name of component: uromodulin-like 1

[NPU41470](#)

DNA(spec.)—UMODL1 gene; seq.var. = ?

DNA(specification)—**UMPK gene;****sequence variation**

name of component: uridine monophosphate kinase

[NPU41471](#)

DNA(spec.)—UMPK gene; seq.var. = ?

DNA(specification)—**UMPS gene;****sequence variation**

name of component: uridine monophosphate synthetase (orotate phosphoribosyl transferase and orotidine-5'-decarboxylase)

[NPU41472](#)

DNA(spec.)—UMPS gene; seq.var. = ?

DNA(specification)—**UNC119 gene;****sequence variation**

name of component: unc-119 homolog (C. elegans)

[NPU41473](#)

DNA(spec.)—UNC119 gene; seq.var. = ?

DNA(specification)—**UNC119B gene;****sequence variation**

name of component: unc-119 homolog B (C. elegans)

[NPU44478](#)

DNA(spec.)—UNC119B gene; seq.var. = ?

DNA(specification)—**UNC13 gene;****sequence variation**

name of component: unc-13-like (C. elegans)

[NPU41474](#)

DNA(spec.)—UNC13 gene; seq.var. = ?

DNA(specification)—**UNC5A gene;****sequence variation**

name of component: unc-5 homolog A (C. elegans)

[NPU41475](#)

DNA(spec.)—UNC5A gene; seq.var. = ?

DNA(specification)—**UNC5B gene;****sequence variation**

name of component: unc-5 homolog B (C. elegans)

[NPU41476](#)

DNA(spec.)—UNC5B gene; seq.var. = ?

DNA(specification)—**UNC5C gene;****sequence variation**

name of component: unc-5 homolog B (C. elegans)

[NPU41477](#)

DNA(spec.)—UNC5C gene; seq.var. = ?

DNA(specification)—**UNC5D gene;****sequence variation**

name of component: unc-5 homolog D (C. elegans)

[NPU46587](#)

DNA(spec.)—UNC5D gene; seq.var. = ?

DNA(specification)—**UNC84A gene;****sequence variation**

name of component: unc-84 homolog A (C. elegans)

[NPU46555](#)

DNA(spec.)—UNC84A gene; seq.var. = ?

DNA(specification)—**UNC84B gene;****sequence variation**

name of component: unc-84 homolog A (C. elegans)

[NPU42593](#)

DNA(spec.)—UNC84B gene; seq.var. = ?

DNA(specification)—**UNC93A gene;****sequence variation**

name of component: unc-93 homolog A (C. elegans)

[NPU41478](#)

DNA(spec.)—UNC93A gene; seq.var. = ?

DNA(specification)—**UNC93B1 gene;****sequence variation**

name of component: unc-93 homolog B1 (C. elegans)

[NPU42147](#)

DNA(spec.)—UNC93B1 gene; seq.var. = ?

DNA(specification)—**UNG gene;****sequence variation**

name of component: uracil-DNA glycosylase

[NPU41479](#)

DNA(spec.)—UNG gene; seq.var. = ?

DNA(specification)—**UNG2 gene;****sequence variation**

name of component: uracil-DNA glycosylase 2

[NPU46544](#)

DNA(spec.)—UNG2 gene; seq.var. = ?

DNA(specification)—**UNGP1 gene;****sequence variation**

name of component: uracil-DNA glycosylase pseudogene 1

[NPU46547](#)

DNA(spec.)—UNGP1 gene; seq.var. = ?

DNA(specification)—**UNGP2 gene;****sequence variation**

name of component: uracil-DNA glycosylase pseudogene 2

[NPU46548](#)

DNA(spec.)—UNGP2 gene; seq.var. = ?

DNA(specification)—**UNGP3 gene;****sequence variation**

name of component: uracil-DNA glycosylase pseudogene 3

[NPU47380](#)

DNA(spec.)—UNGP3 gene; seq.var. = ?

DNA(specification)—**UNKL gene;****sequence variation**

name of component: unkempt-like (Drosophila)

[NPU42576](#)

DNA(spec.)—UNKL gene; seq.var. = ?

DNA(specification)—**UOX gene;****sequence variation**

name of component: urate oxidase

[NPU41480](#)

DNA(spec.)—UOX gene; seq.var. = ?

DNA(specification)—**UP gene;****sequence variation**

name of component: uridine phosphorylase

[NPU41481](#)

DNA(spec.)—UP gene; seq.var. = ?

DNA(specification)—**UPB1 gene;****sequence variation**

name of component: ureidopropionase, beta

[NPU44332](#)

DNA(spec.)—UPB1 gene; seq.var. = ?

DNA(specification)—**UPF2 gene;****sequence variation**

name of component: UPF2 regulator of nonsense transcripts homolog (yeast)

[NPU46148](#)

DNA(spec.)—UPF2 gene; seq.var. = ?

DNA(specification)—**UPF3A gene;****sequence variation**

name of component: UPF3 regulator of nonsense transcripts homolog A (yeast)

[NPU47562](#)

DNA(spec.)—UPF3A gene; seq.var. = ?

DNA(specification)—
UPF3B gene;
sequence variation
name of component: UPF3 regulator of nonsense transcripts homolog B (yeast)
[NPU47617](#)
DNA(spec.)—UPF3B gene; seq.var. = ?

DNA(specification)—
UPK1A gene;
sequence variation
name of component: uroplakin 1A
[NPU41482](#)
DNA(spec.)—UPK1A gene; seq.var. = ?

DNA(specification)—
UPK1B gene;
sequence variation
name of component: uroplakin 1B
[NPU41483](#)
DNA(spec.)—UPK1B gene; seq.var. = ?

DNA(specification)—
UPK2 gene;
sequence variation
name of component: uroplakin 2
[NPU41484](#)
DNA(spec.)—UPK2 gene; seq.var. = ?

DNA(specification)—
UPK3 gene;
sequence variation
name of component: uroplakin 3
[NPU41485](#)
DNA(spec.)—UPK3 gene; seq.var. = ?

DNA(specification)—
UQCRB gene;
sequence variation
name of component: ubiquinol-cytochrome c reductase binding protein
[NPU41486](#)
DNA(spec.)—UQCRB gene; seq.var. = ?

DNA(specification)—
UQCRBP1 gene;
sequence variation
name of component: ubiquinol-cytochrome c reductase binding protein pseudogene 1
[NPU41487](#)
DNA(spec.)—UQCRBP1 gene; seq.var. = ?

DNA(specification)—
UQCRBP2 gene;
sequence variation
name of component: ubiquinol-cytochrome c reductase binding protein pseudogene 2
[NPU41488](#)
DNA(spec.)—UQCRBP2 gene; seq.var. = ?

DNA(specification)—
UQCRC1 gene;
sequence variation
name of component: ubiquinol-cytochrome c reductase core protein I
[NPU41489](#)
DNA(spec.)—UQCRC1 gene; seq.var. = ?

DNA(specification)—
UQCRC2 gene;
sequence variation
name of component: ubiquinol-cytochrome c reductase core protein II
[NPU41490](#)
DNA(spec.)—UQCRC2 gene; seq.var. = ?

DNA(specification)—
UQCRFS1 gene;
sequence variation
name of component: ubiquinol-cytochrome c reductase, Rieske iron-sulfur polypeptide 1
[NPU41491](#)
DNA(spec.)—UQCRFS1 gene; seq.var. = ?

DNA(specification)—
UQCRFSL1 gene;
sequence variation
name of component: ubiquinol-cytochrome c reductase, Rieske iron-sulfur polypeptide-like 1
[NPU41492](#)
DNA(spec.)—UQCRFSL1 gene; seq.var. = ?

DNA(specification)—
UQCRH gene;
sequence variation
name of component: ubiquinol-cytochrome c reductase hinge protein
[NPU41493](#)
DNA(spec.)—UQCRH gene; seq.var. = ?

DNA(specification)—
URKL1 gene;
sequence variation
name of component: uridine kinase-like 1
[NPU44018](#)
DNA(spec.)—URKL1 gene; seq.var. = ?

DNA(specification)—
UROD gene;
sequence variation
name of component: uroporphyrinogen decarboxylase
[NPU19238](#)
DNA(spec.)—UROD gene; seq.var. = ?

DNA(specification)—
UROS gene;
sequence variation
name of component: uroporphyrinogen III synthase
(congenital erythropoietic porphyria)
[NPU19206](#)
DNA(spec.)—UROS gene; seq.var. = ?

DNA(specification)—
USF1 gene;
sequence variation
name of component: upstream transcription factor
1
[NPU41494](#)
DNA(spec.)—USF1 gene; seq.var. = ?

DNA(specification)—
USF2 gene;
sequence variation
name of component: upstream transcription factor
2, c-fos interacting
[NPU41495](#)
DNA(spec.)—USF2 gene; seq.var. = ?

DNA(specification)—
USH1A gene;
sequence variation
name of component: Usher syndrome 1A (auto-
somal recessive, severe)
[NPU41496](#)
DNA(spec.)—USH1A gene; seq.var. = ?

DNA(specification)—
USH1C gene;
sequence variation
name of component: Usher syndrome 1C (auto-
somal recessive, severe)
[NPU41497](#)
DNA(spec.)—USH1C gene; seq.var. = ?

DNA(specification)—
USH1E gene;
sequence variation
name of component: Usher syndrome 1E (auto-
somal recessive, severe)
[NPU41498](#)
DNA(spec.)—USH1E gene; seq.var. = ?

DNA(specification)—
USH1G gene;
sequence variation
name of component: Usher syndrome 1G (auto-
somal recessive)
[NPU44372](#)
DNA(spec.)—USH1G gene; seq.var. = ?

DNA(specification)—
USH2A gene;
sequence variation
name of component: Usher syndrome 2A (auto-
somal recessive, mild)
[NPU41499](#)
DNA(spec.)—USH2A gene; seq.var. = ?

DNA(specification)—
USH2B gene;
sequence variation
name of component: Usher syndrome 2B (auto-
somal recessive, mild)
[NPU41500](#)
DNA(spec.)—USH2B gene; seq.var. = ?

DNA(specification)—
USH2C gene;
sequence variation
name of component: Usher syndrome 2C (auto-
somal recessive)
[NPU41501](#)
DNA(spec.)—USH2C gene; seq.var. = ?

DNA(specification)—
USH3A gene;
sequence variation
name of component: Usher syndrome 3A
[NPU41502](#)
DNA(spec.)—USH3A gene; seq.var. = ?

DNA(specification)—
USH3B gene;
sequence variation
name of component: Usher syndrome 3B
[NPU41503](#)
DNA(spec.)—USH3B gene; seq.var. = ?

DNA(specification)—
USP1 gene;
sequence variation
name of component: ubiquitin specific protease 1
[NPU41504](#)
DNA(spec.)—USP1 gene; seq.var. = ?

DNA(specification)—
USP10 gene;
sequence variation
name of component: ubiquitin specific protease 10
[NPU41505](#)
DNA(spec.)—USP10 gene; seq.var. = ?

DNA(specification)—
USP11 gene;
sequence variation
name of component: ubiquitin specific protease 11
[NPU41506](#)
DNA(spec.)—USP11 gene; seq.var. = ?

DNA(specification)—**USP12 gene;****sequence variation**

name of component: ubiquitin specific protease 12

[NPU41507](#)

DNA(spec.)—USP12 gene; seq.var. = ?

DNA(specification)—**USP12L1 gene;****sequence variation**

name of component: ubiquitin specific protease 12 like 1

[NPU47646](#)

DNA(spec.)—USP12L1 gene; seq.var. = ?

DNA(specification)—**USP13 gene;****sequence variation**

name of component: ubiquitin specific protease 13 (isopeptidase T-3)

[NPU41508](#)

DNA(spec.)—USP13 gene; seq.var. = ?

DNA(specification)—**USP14 gene;****sequence variation**

name of component: ubiquitin specific protease 14 (tRNA-guanine transglycosylase)

[NPU41509](#)

DNA(spec.)—USP14 gene; seq.var. = ?

DNA(specification)—**USP15 gene;****sequence variation**

name of component: ubiquitin specific protease 15

[NPU41510](#)

DNA(spec.)—USP15 gene; seq.var. = ?

DNA(specification)—**USP16 gene;****sequence variation**

name of component: ubiquitin specific protease 16

[NPU41511](#)

DNA(spec.)—USP16 gene; seq.var. = ?

DNA(specification)—**USP17 gene;****sequence variation**

name of component: ubiquitin specific protease 17

[NPU41512](#)

DNA(spec.)—USP17 gene; seq.var. = ?

DNA(specification)—**USP18 gene;****sequence variation**

name of component: ubiquitin specific protease 18

[NPU41513](#)

DNA(spec.)—USP18 gene; seq.var. = ?

DNA(specification)—**USP19 gene;****sequence variation**

name of component: ubiquitin specific protease 19

[NPU41514](#)

DNA(spec.)—USP19 gene; seq.var. = ?

DNA(specification)—**USP2 gene;****sequence variation**

name of component: ubiquitin specific protease 2

[NPU41515](#)

DNA(spec.)—USP2 gene; seq.var. = ?

DNA(specification)—**USP20 gene;****sequence variation**

name of component: ubiquitin specific protease 20

[NPU41516](#)

DNA(spec.)—USP20 gene; seq.var. = ?

DNA(specification)—**USP21 gene;****sequence variation**

name of component: ubiquitin specific protease 21

[NPU41517](#)

DNA(spec.)—USP21 gene; seq.var. = ?

DNA(specification)—**USP22 gene;****sequence variation**

name of component: ubiquitin specific protease 22

[NPU41518](#)

DNA(spec.)—USP22 gene; seq.var. = ?

DNA(specification)—**USP24 gene;****sequence variation**

name of component: ubiquitin specific protease 24

[NPU41519](#)

DNA(spec.)—USP24 gene; seq.var. = ?

DNA(specification)—**USP25 gene;****sequence variation**

name of component: ubiquitin specific protease 25

[NPU41520](#)

DNA(spec.)—USP25 gene; seq.var. = ?

DNA(specification)—**USP26 gene;****sequence variation**

name of component: ubiquitin specific protease 26

[NPU42148](#)

DNA(spec.)—USP26 gene; seq.var. = ?

DNA(specification)—**USP28 gene;****sequence variation**

name of component: ubiquitin specific protease 28

[NPU41521](#)

DNA(spec.)—USP28 gene; seq.var. = ?

DNA(specification)—**USP29 gene;****sequence variation**

name of component: ubiquitin specific protease 29

[NPU46533](#)

DNA(spec.)—USP29 gene; seq.var. = ?

DNA(specification)—**USP3 gene;****sequence variation**

name of component: ubiquitin specific protease 3

[NPU41522](#)

DNA(spec.)—USP3 gene; seq.var. = ?

DNA(specification)—**USP3L gene;****sequence variation**

name of component: ubiquitin specific protease 3-like

[NPU42845](#)

DNA(spec.)—USP3L gene; seq.var. = ?

DNA(specification)—**USP4 gene;****sequence variation**

name of component: ubiquitin specific protease 4 (proto-oncogene)

[NPU41523](#)

DNA(spec.)—USP4 gene; seq.var. = ?

DNA(specification)—**USP5 gene;****sequence variation**

name of component: ubiquitin specific protease 5 (isopeptidase T)

[NPU41524](#)

DNA(spec.)—USP5 gene; seq.var. = ?

DNA(specification)—**USP6 gene;****sequence variation**

name of component: ubiquitin specific protease 6 (Tre-2 oncogene)

[NPU41525](#)

DNA(spec.)—USP6 gene; seq.var. = ?

DNA(specification)—**USP7 gene;****sequence variation**

name of component: ubiquitin specific protease 7 (herpes virus-associated)

[NPU41526](#)

DNA(spec.)—USP7 gene; seq.var. = ?

DNA(specification)—**USP8 gene;****sequence variation**

name of component: ubiquitin specific protease 8

[NPU41527](#)

DNA(spec.)—USP8 gene; seq.var. = ?

DNA(specification)—**USP9X gene;****sequence variation**

name of component: ubiquitin specific protease 9, X chromosome (fat facets-like Drosophila)

[NPU41528](#)

DNA(spec.)—USP9X gene; seq.var. = ?

DNA(specification)—**USP9Y gene;****sequence variation**

name of component: ubiquitin specific protease 9, Y chromosome (fat facets-like Drosophila)

[NPU41529](#)

DNA(spec.)—USP9Y gene; seq.var. = ?

DNA(specification)—**UST gene;****sequence variation**

name of component: uronyl-2-sulfotransferase

[NPU44922](#)

DNA(spec.)—UST gene; seq.var. = ?

DNA(specification)—**UTF1 gene;****sequence variation**

name of component: undifferentiated embryonic cell transcription factor 1

[NPU41530](#)

DNA(spec.)—UTF1 gene; seq.var. = ?

DNA(specification)—**UTRN gene;****sequence variation**

name of component: utrophin (homologous to dystrophin)

[NPU41531](#)

DNA(spec.)—UTRN gene; seq.var. = ?

DNA(specification)—**UTS2 gene;****sequence variation**

name of component: urotensin 2

[NPU41532](#)

DNA(spec.)—UTS2 gene; seq.var. = ?

DNA(specification)—**UTX gene;****sequence variation**

name of component: ubiquitously transcribed tetratricopeptide repeat gene, X chromosome

[NPU41533](#)

DNA(spec.)—UTX gene; seq.var. = ?

DNA(specification)—**UTY gene;****sequence variation**

name of component: ubiquitously transcribed tetratricopeptide repeat gene, Y chromosome

[NPU41534](#)

DNA(spec.)—UTY gene; seq.var. = ?

DNA(specification)—**UVRAG gene;****sequence variation**

name of component: UV radiation resistance associated gene

[NPU41535](#)

DNA(spec.)—UVRAG gene; seq.var. = ?

DNA(specification)—**UXS1 gene;****sequence variation**

name of component: UDP-glucuronate decarboxylase 1

[NPU46082](#)

DNA(spec.)—UXS1 gene; seq.var. = ?

DNA(specification)—**UXT gene;****sequence variation**

name of component: ubiquitously-expressed transcript

[NPU41536](#)

DNA(spec.)—UXT gene; seq.var. = ?

DNA(specification)—**VAMP1 gene;****sequence variation**

name of component: vesicle-associated membrane protein 1 (synaptobrevin 1)

[NPU41537](#)

DNA(spec.)—VAMP1 gene; seq.var. = ?

DNA(specification)—**VAMP2 gene;****sequence variation**

name of component: vesicle-associated membrane protein 2 (synaptobrevin 2)

[NPU41538](#)

DNA(spec.)—VAMP2 gene; seq.var. = ?

DNA(specification)—**VAMP3 gene;****sequence variation**

name of component: vesicle-associated membrane protein 3 (cellubrevin)

[NPU41539](#)

DNA(spec.)—VAMP3 gene; seq.var. = ?

DNA(specification)—**VAMP4 gene;****sequence variation**

name of component: vesicle-associated membrane protein 4

[NPU41540](#)

DNA(spec.)—VAMP4 gene; seq.var. = ?

DNA(specification)—**VAMP5 gene;****sequence variation**

name of component: vesicle-associated membrane protein 5 (myobrevin)

[NPU41541](#)

DNA(spec.)—VAMP5 gene; seq.var. = ?

DNA(specification)—**VAMP8 gene;****sequence variation**

name of component: vesicle-associated membrane protein 8 (endobrevin)

[NPU41542](#)

DNA(spec.)—VAMP8 gene; seq.var. = ?

DNA(specification)—**VANGL1 gene;****sequence variation**

name of component: vang-like 1 (van gogh, Drosophila)

[NPU43709](#)

DNA(spec.)—VANGL1 gene; seq.var. = ?

DNA(specification)—**VANGL2 gene;****sequence variation**

name of component: vang-like 2 (van gogh, Drosophila)

[NPU43708](#)

DNA(spec.)—VANGL2 gene; seq.var. = ?

DNA(specification)—**VAPA gene;****sequence variation**

name of component: VAMP (vesicle-associated membrane protein)-associated protein A, 33 kDa

[NPU41543](#)

DNA(spec.)—VAPA gene; seq.var. = ?

DNA(specification)—
VAPB gene;
sequence variation
name of component: VAMP (vesicle-associated membrane protein)-associated protein B and C
[NPU41544](#)
DNA(spec.)—VAPB gene; seq.var. = ?

DNA(specification)—
VARS1 gene;
sequence variation
name of component: valyl-tRNA synthetase 1
[NPU41545](#)
DNA(spec.)—VARS1 gene; seq.var. = ?

DNA(specification)—
VARS2 gene;
sequence variation
name of component: valyl-tRNA synthetase 2
[NPU41546](#)
DNA(spec.)—VARS2 gene; seq.var. = ?

DNA(specification)—
VASP gene;
sequence variation
name of component: vasodilator-stimulated phosphoprotein
[NPU41547](#)
DNA(spec.)—VASP gene; seq.var. = ?

DNA(specification)—
VAT1 gene;
sequence variation
name of component: vesicle amine transport protein 1 homolog (T californica)
[NPU44767](#)
DNA(spec.)—VAT1 gene; seq.var. = ?

DNA(specification)—
VAULTRC1 gene;
sequence variation
name of component: vault RNA component 1
[NPU41548](#)
DNA(spec.)—VAULTRC1 gene; seq.var. = ?

DNA(specification)—
VAULTRC2 gene;
sequence variation
name of component: vault RNA component 2
[NPU41549](#)
DNA(spec.)—VAULTRC2 gene; seq.var. = ?

DNA(specification)—
VAULTRC3 gene;
sequence variation
name of component: vault RNA component 3
[NPU41550](#)
DNA(spec.)—VAULTRC3 gene; seq.var. = ?

DNA(specification)—
VAV1 gene;
sequence variation
name of component: vav 1 oncogene
[NPU41551](#)
DNA(spec.)—VAV1 gene; seq.var. = ?

DNA(specification)—
VAV2 gene;
sequence variation
name of component: vav 2 oncogene
[NPU41552](#)
DNA(spec.)—VAV2 gene; seq.var. = ?

DNA(specification)—
VAV3 gene;
sequence variation
name of component: vav 3 oncogene
[NPU41553](#)
DNA(spec.)—VAV3 gene; seq.var. = ?

DNA(specification)—
VAX1 gene;
sequence variation
name of component: ventral anterior homeobox 1
[NPU41554](#)
DNA(spec.)—VAX1 gene; seq.var. = ?

DNA(specification)—
VAX2 gene;
sequence variation
name of component: ventral anterior homeobox 2
[NPU41555](#)
DNA(spec.)—VAX2 gene; seq.var. = ?

DNA(specification)—
VBP1 gene;
sequence variation
name of component: von Hippel-Lindau binding protein 1
[NPU41556](#)
DNA(spec.)—VBP1 gene; seq.var. = ?

DNA(specification)—
VCAM1 gene;
sequence variation
name of component: vascular cell adhesion molecule 1
[NPU41557](#)
DNA(spec.)—VCAM1 gene; seq.var. = ?

DNA(specification)—
VCF gene;
sequence variation
name of component: velocardiofacial syndrome
[NPU41558](#)
DNA(spec.)—VCF gene; seq.var. = ?

DNA(specification)—**VCL gene;****sequence variation**

name of component: vinculin

[NPU41559](#)

DNA(spec.)—VCL gene; seq.var. = ?

DNA(specification)—**VCP gene;****sequence variation**

name of component: valosin-containing protein

[NPU41560](#)

DNA(spec.)—VCP gene; seq.var. = ?

DNA(specification)—**VCX gene;****sequence variation**

name of component: variable charge, X chromosome

[NPU41561](#)

DNA(spec.)—VCX gene; seq.var. = ?

DNA(specification)—**VCY gene;****sequence variation**

name of component: variable charge, Y chromosome

[NPU41562](#)

DNA(spec.)—VCY gene; seq.var. = ?

DNA(specification)—**VCY2 gene;****sequence variation**

name of component: variable charge, Y chromosome, 2

[NPU42160](#)

DNA(spec.)—VCY2 gene; seq.var. = ?

DNA(specification)—**VCY2IP1 gene;****sequence variation**

name of component: VCY2 interacting protein 1

[NPU43846](#)

DNA(spec.)—VCY2IP1 gene; seq.var. = ?

DNA(specification)—**VDAC1 gene;****sequence variation**

name of component: voltage-dependent anion channel 1

[NPU41563](#)

DNA(spec.)—VDAC1 gene; seq.var. = ?

DNA(specification)—**VDAC1LP gene;****sequence variation**

name of component: voltage-dependent anion channel 1-like pseudogene

[NPU41564](#)

DNA(spec.)—VDAC1LP gene; seq.var. = ?

DNA(specification)—**VDAC1P gene;****sequence variation**

name of component: voltage-dependent anion channel 1 pseudogene

[NPU41565](#)

DNA(spec.)—VDAC1P gene; seq.var. = ?

DNA(specification)—**VDAC2 gene;****sequence variation**

name of component: voltage-dependent anion channel 2

[NPU41566](#)

DNA(spec.)—VDAC2 gene; seq.var. = ?

DNA(specification)—**VDAC2P gene;****sequence variation**

name of component: voltage-dependent anion channel 2 pseudogene

[NPU41567](#)

DNA(spec.)—VDAC2P gene; seq.var. = ?

DNA(specification)—**VDAC3 gene;****sequence variation**

name of component: voltage-dependent anion channel 3

[NPU41568](#)

DNA(spec.)—VDAC3 gene; seq.var. = ?

DNA(specification)—**VDAC3P gene;****sequence variation**

name of component: voltage-dependent anion channel 3 pseudogene

[NPU47732](#)

DNA(spec.)—VDAC3P gene; seq.var. = ?

DNA(specification)—**VDAC4 gene;****sequence variation**

name of component: voltage-dependent anion channel 4

[NPU41569](#)

DNA(spec.)—VDAC4 gene; seq.var. = ?

DNA(specification)—**VDAC5P gene;****sequence variation**

name of component: voltage-dependent anion channel 5, pseudogene

[NPU41570](#)

DNA(spec.)—VDAC5P gene; seq.var. = ?

DNA(specification)—**VDI gene;****sequence variation**

name of component: vesicular stomatitis virus defective interfering particle suppression

[NPU41571](#)

DNA(spec.)—VDI gene; seq.var. = ?

DNA(specification)—**VDR gene;****sequence variation**

name of component: vitamin D (1,25- dihydroxyvitamin D3) receptor

[NPU41572](#)

DNA(spec.)—VDR gene; seq.var. = ?

DNA(specification)—**VEGF gene;****sequence variation**

name of component: vascular endothelial growth factor

[NPU41573](#)

DNA(spec.)—VEGF gene; seq.var. = ?

DNA(specification)—**VEGFB gene;****sequence variation**

name of component: vascular endothelial growth factor B

[NPU41574](#)

DNA(spec.)—VEGFB gene; seq.var. = ?

DNA(specification)—**VEGFC gene;****sequence variation**

name of component: vascular endothelial growth factor C

[NPU41575](#)

DNA(spec.)—VEGFC gene; seq.var. = ?

DNA(specification)—**VENTX2 gene;****sequence variation**

name of component: VENT-like homeobox 2

[NPU42248](#)

DNA(spec.)—VENTX2 gene; seq.var. = ?

DNA(specification)—**VGCNL1 gene;****sequence variation**

name of component: voltage gated channel like 1

[NPU46850](#)

DNA(spec.)—VGCNL1 gene; seq.var. = ?

DNA(specification)—**VGF gene;****sequence variation**

name of component: VGF nerve growth factor inducible

[NPU41576](#)

DNA(spec.)—VGF gene; seq.var. = ?

DNA(specification)—**VGLL1 gene;****sequence variation**

name of component: vestigial like 1 (Drosophila)

[NPU47814](#)

DNA(spec.)—VGLL1 gene; seq.var. = ?

DNA(specification)—**VGLL2 gene;****sequence variation**

name of component: vestigial like 2 (Drosophila)

[NPU47505](#)

DNA(spec.)—VGLL2 gene; seq.var. = ?

DNA(specification)—**VGR gene;****sequence variation**

name of component: vegetal related growth factor (TGFβ-related)

[NPU41577](#)

DNA(spec.)—VGR gene; seq.var. = ?

DNA(specification)—**VHL gene;****sequence variation**

name of component: von Hippel-Lindau syndrome

[NPU19207](#)

DNA(spec.)—VHL gene; seq.var. = ?

DNA(specification)—**VHLP gene;****sequence variation**

name of component: VHL pseudogene

[NPU41578](#)

DNA(spec.)—VHLP gene; seq.var. = ?

DNA(specification)—**VIL1 gene;****sequence variation**

name of component: villin 1

[NPU41579](#)

DNA(spec.)—VIL1 gene; seq.var. = ?

DNA(specification)—**VIL2 gene;****sequence variation**

name of component: villin 2 (ezrin)

[NPU41580](#)

DNA(spec.)—VIL2 gene; seq.var. = ?

DNA(specification)—**VIM gene;****sequence variation**

name of component: vimentin

[NPU41581](#)

DNA(spec.)—VIM gene; seq.var. = ?

DNA(specification)—**VIP gene;****sequence variation**

name of component: vasoactive intestinal peptide

[NPU41582](#)

DNA(spec.)—VIP gene; seq.var. = ?

DNA(specification)—**VIPR1 gene;****sequence variation**

name of component: vasoactive intestinal peptide receptor 1

[NPU41583](#)

DNA(spec.)—VIPR1 gene; seq.var. = ?

DNA(specification)—**VIPR2 gene;****sequence variation**

name of component: vasoactive intestinal peptide receptor 2

[NPU41584](#)

DNA(spec.)—VIPR2 gene; seq.var. = ?

DNA(specification)—**VIS1 gene;****sequence variation**

name of component: viral integration site 1

[NPU41585](#)

DNA(spec.)—VIS1 gene; seq.var. = ?

DNA(specification)—**VIT gene;****sequence variation**

name of component: vitrin

[NPU41586](#)

DNA(spec.)—VIT gene; seq.var. = ?

DNA(specification)—**VIAAT gene;****sequence variation**

name of component: vesicular inhibitory amino acid transporter

[NPU43907](#)

DNA(spec.)—VIAAT gene; seq.var. = ?

DNA(specification)—**VLDLR gene;****sequence variation**

name of component: very low density lipoprotein receptor

[NPU41587](#)

DNA(spec.)—VLDLR gene; seq.var. = ?

DNA(specification)—**VMD1 gene;****sequence variation**

name of component: vitelliform macular dystrophy, atypical

[NPU41588](#)

DNA(spec.)—VMD1 gene; seq.var. = ?

DNA(specification)—**VMD2 gene;****sequence variation**

name of component: vitelliform macular dystrophy (Best disease, bestrophin)

[NPU41589](#)

DNA(spec.)—VMD2 gene; seq.var. = ?

DNA(specification)—**VMGLOM gene;****sequence variation**

name of component: venous malformation with glomus cells

[NPU41590](#)

DNA(spec.)—VMGLOM gene; seq.var. = ?

DNA(specification)—**VMP gene;****sequence variation**

name of component: vesicular membrane protein p24

[NPU46160](#)

DNA(spec.)—VMP gene; seq.var. = ?

DNA(specification)—**VN1R1 gene;****sequence variation**

name of component: vomeronasal 1 receptor 1

[NPU42188](#)

DNA(spec.)—VN1R1 gene; seq.var. = ?

DNA(specification)—**VN1R2 gene;****sequence variation**

name of component: vomeronasal 1 receptor 2

[NPU47291](#)

DNA(spec.)—VN1R2 gene; seq.var. = ?

DNA(specification)—**VN1R3 gene;****sequence variation**

name of component: vomeronasal 1 receptor 3

[NPU47286](#)

DNA(spec.)—VN1R3 gene; seq.var. = ?

DNA(specification)—**VN1R4 gene;****sequence variation**

name of component: vomeronasal 1 receptor 4

[NPU47290](#)

DNA(spec.)—VN1R4 gene; seq.var. = ?

DNA(specification)—
VN1R5 gene;
sequence variation
name of component: vomeronasal 1 receptor 5
[NPU47289](#)
DNA(spec.)—VN1R5 gene; seq.var. = ?

DNA(specification)—
VN1R6P gene;
sequence variation
name of component: vomeronasal 1 receptor 6
pseudogene
[NPU42282](#)
DNA(spec.)—VN1R6P gene; seq.var. = ?

DNA(specification)—
VN1R7P gene;
sequence variation
name of component: vomeronasal 1 receptor 7
pseudogene
[NPU37914](#)
DNA(spec.)—VN1R7P gene; seq.var. = ?

DNA(specification)—
VN1R8P gene;
sequence variation
name of component: vomeronasal 1 receptor 8
pseudogene
[NPU37915](#)
DNA(spec.)—VN1R8P gene; seq.var. = ?

DNA(specification)—
VN1R9P gene;
sequence variation
name of component: vomeronasal 1 receptor 9
pseudogene
[NPU47519](#)
DNA(spec.)—VN1R9P gene; seq.var. = ?

DNA(specification)—
VNN1 gene;
sequence variation
name of component: vanin 1
[NPU41591](#)
DNA(spec.)—VNN1 gene; seq.var. = ?

DNA(specification)—
VNN2 gene;
sequence variation
name of component: vanin 2
[NPU41592](#)
DNA(spec.)—VNN2 gene; seq.var. = ?

DNA(specification)—
VNN3 gene;
sequence variation
name of component: vanin 3
[NPU44432](#)
DNA(spec.)—VNN3 gene; seq.var. = ?

DNA(specification)—
VP gene;
sequence variation
name of component: variegate porphyria
[NPU41593](#)
DNA(spec.)—VP gene; seq.var. = ?

DNA(specification)—
VPREB1 gene;
sequence variation
name of component: pre-B lymphocyte gene 1
[NPU41594](#)
DNA(spec.)—VPREB1 gene; seq.var. = ?

DNA(specification)—
VPREB3 gene;
sequence variation
name of component: pre-B lymphocyte gene 3
[NPU41595](#)
DNA(spec.)—VPREB3 gene; seq.var. = ?

DNA(specification)—
VPS11 gene;
sequence variation
name of component: vacuolar protein sorting 11
(yeast)
[NPU42879](#)
DNA(spec.)—VPS11 gene; seq.var. = ?

DNA(specification)—
VPS16 gene;
sequence variation
name of component: vacuolar protein sorting 16
(yeast)
[NPU42880](#)
DNA(spec.)—VPS16 gene; seq.var. = ?

DNA(specification)—
VPS18 gene;
sequence variation
name of component: vacuolar protein sorting pro-
tein 18
[NPU44050](#)
DNA(spec.)—VPS18 gene; seq.var. = ?

DNA(specification)—
VPS26 gene;
sequence variation
name of component: vacuolar protein sorting 26
(yeast)
[NPU41596](#)
DNA(spec.)—VPS26 gene; seq.var. = ?

DNA(specification)—
VPS28 gene;
sequence variation
name of component: vacuolar protein sorting 28
(yeast)
[NPU46341](#)
DNA(spec.)—VPS28 gene; seq.var. = ?

DNA(specification)—**VPS29 gene;****sequence variation**

name of component: vacuolar protein sorting 29 (yeast)

[NPU42683](#)

DNA(spec.)—VPS29 gene; seq.var. = ?

DNA(specification)—**VPS33A gene;****sequence variation**

name of component: vacuolar protein sorting 33A (yeast)

[NPU46342](#)

DNA(spec.)—VPS33A gene; seq.var. = ?

DNA(specification)—**VPS33B gene;****sequence variation**

name of component: vacuolar protein sorting 33B (yeast)

[NPU41597](#)

DNA(spec.)—VPS33B gene; seq.var. = ?

DNA(specification)—**VPS35 gene;****sequence variation**

name of component: vacuolar protein sorting 35 (yeast)

[NPU42149](#)

DNA(spec.)—VPS35 gene; seq.var. = ?

DNA(specification)—**VPS41 gene;****sequence variation**

name of component: vacuolar protein sorting 41 (yeast)

[NPU41598](#)

DNA(spec.)—VPS41 gene; seq.var. = ?

DNA(specification)—**VPS45A gene;****sequence variation**

name of component: vacuolar protein sorting 45A (yeast)

[NPU42875](#)

DNA(spec.)—VPS45A gene; seq.var. = ?

DNA(specification)—**VPS4A gene;****sequence variation**

name of component: vacuolar protein sorting 4A (yeast)

[NPU42150](#)

DNA(spec.)—VPS4A gene; seq.var. = ?

DNA(specification)—**VPS4B gene;****sequence variation**

name of component: vacuolar protein sorting 4B (yeast)

[NPU40014](#)

DNA(spec.)—VPS4B gene; seq.var. = ?

DNA(specification)—**VRK1 gene;****sequence variation**

name of component: vaccinia related kinase 1

[NPU41600](#)

DNA(spec.)—VRK1 gene; seq.var. = ?

DNA(specification)—**VRK2 gene;****sequence variation**

name of component: vaccinia related kinase 2

[NPU41601](#)

DNA(spec.)—VRK2 gene; seq.var. = ?

DNA(specification)—**VRNI gene;****sequence variation**

name of component: vitreoretinopathy, neovascular inflammatory

[NPU41602](#)

DNA(spec.)—VRNI gene; seq.var. = ?

DNA(specification)—**VSNL1 gene;****sequence variation**

name of component: visinin-like 1

[NPU41604](#)

DNA(spec.)—VSNL1 gene; seq.var. = ?

DNA(specification)—**VSX1 gene;****sequence variation**

name of component: visual system homeobox 1 homolog, CHX10-like (zebrafish)

[NPU41605](#)

DNA(spec.)—VSX1 gene; seq.var. = ?

DNA(specification)—**VTI1A gene;****sequence variation**

name of component: vesicle transport through interaction with t-SNAREs homolog 1A (yeast)

[NPU46098](#)

DNA(spec.)—VTI1A gene; seq.var. = ?

DNA(specification)—**VTI1B gene;****sequence variation**

name of component: vesicle transport through interaction with t-SNAREs homolog 1B (yeast)

[NPU46099](#)

DNA(spec.)—VTI1B gene; seq.var. = ?

DNA(specification)—**VTN gene;****sequence variation**

name of component: vitronectin (serum spreading factor, somatomedin B, complement S-protein)

[NPU41606](#)

DNA(spec.)—VTN gene; seq.var. = ?

DNA(specification)—**VTNR gene;****sequence variation**

name of component: vitronectin receptor

[NPU41607](#)

DNA(spec.)—VTNR gene; seq.var. = ?

DNA(specification)—**VWF gene;****sequence variation**

name of component: von Willebrand factor

[NPU19213](#)

DNA(spec.)—VWF gene; seq.var. = ?

DNA(specification)—**VWFP gene;****sequence variation**

name of component: von Willebrand factor pseudogene

[NPU41608](#)

DNA(spec.)—VWFP gene; seq.var. = ?

DNA(specification)—**VWS gene;****sequence variation**

name of component: Van der Woude syndrome

[NPU41609](#)

DNA(spec.)—VWS gene; seq.var. = ?

DNA(specification)—**WARBM1 gene;****sequence variation**

name of component: Warburg micro syndrome 1

[NPU47673](#)

DNA(spec.)—WARBM1 gene; seq.var. = ?

DNA(specification)—**WARS gene;****sequence variation**

name of component: tryptophanyl-tRNA synthetase

[NPU41610](#)

DNA(spec.)—WARS gene; seq.var. = ?

DNA(specification)—**WARS2 gene;****sequence variation**

name of component: tryptophanyl tRNA synthetase 2 (mitochondrial)

[NPU41611](#)

DNA(spec.)—WARS2 gene; seq.var. = ?

DNA(specification)—**WAS gene;****sequence variation**

name of component: Wiskott-Aldrich syndrome (eczema-thrombocytopenia)

[NPU19208](#)

DNA(spec.)—WAS gene; seq.var. = ?

DNA(specification)—**WASF1 gene;****sequence variation**

name of component: WAS protein family, member 1

[NPU41612](#)

DNA(spec.)—WASF1 gene; seq.var. = ?

DNA(specification)—**WASF2 gene;****sequence variation**

name of component: WAS protein family, member 2

[NPU41613](#)

DNA(spec.)—WASF2 gene; seq.var. = ?

DNA(specification)—**WASF3 gene;****sequence variation**

name of component: WAS protein family, member 3

[NPU41614](#)

DNA(spec.)—WASF3 gene; seq.var. = ?

DNA(specification)—**WASL gene;****sequence variation**

name of component: Wiskott-Aldrich syndrome-like

[NPU41615](#)

DNA(spec.)—WASL gene; seq.var. = ?

DNA(specification)—**WASPIP gene;****sequence variation**

name of component: Wiskott-Aldrich syndrome protein interacting protein

[NPU41616](#)

DNA(spec.)—WASPIP gene; seq.var. = ?

DNA(specification)—**WBP1 gene;****sequence variation**

name of component: WW domain binding protein 1

[NPU41617](#)

DNA(spec.)—WBP1 gene; seq.var. = ?

DNA(specification)—**WBP11 gene;****sequence variation**

name of component: WW domain binding protein 11

[NPU44456](#)

DNA(spec.)—WBP11 gene; seq.var. = ?

DNA(specification)—**WBP2 gene;****sequence variation**

name of component: WW domain binding protein 2

[NPU41618](#)

DNA(spec.)—WBP2 gene; seq.var. = ?

DNA(specification)—**WBP4 gene;****sequence variation**

name of component: WW domain binding protein 4 (formin binding protein 21)

[NPU41619](#)

DNA(spec.)—WBP4 gene; seq.var. = ?

DNA(specification)—**WBS2 gene;****sequence variation**

name of component: Williams-Beuren syndrome type 2

[NPU41620](#)

DNA(spec.)—WBS2 gene; seq.var. = ?

DNA(specification)—**WBSCR1 gene;****sequence variation**

name of component: Williams-Beuren syndrome chromosome region 1

[NPU41621](#)

DNA(spec.)—WBSCR1 gene; seq.var. = ?

DNA(specification)—**WBSCR14 gene;****sequence variation**

name of component: Williams Beuren syndrome chromosome region 14

[NPU41622](#)

DNA(spec.)—WBSCR14 gene; seq.var. = ?

DNA(specification)—**WBSCR16 gene;****sequence variation**

name of component: Williams-Beuren syndrome chromosome region 16

[NPU43192](#)

DNA(spec.)—WBSCR16 gene; seq.var. = ?

DNA(specification)—**WBSCR17 gene;****sequence variation**

name of component: Williams-Beuren syndrome chromosome region 17

[NPU44365](#)

DNA(spec.)—WBSCR17 gene; seq.var. = ?

DNA(specification)—**WBSCR18 gene;****sequence variation**

name of component: Williams Beuren syndrome chromosome region 18

[NPU44415](#)

DNA(spec.)—WBSCR18 gene; seq.var. = ?

DNA(specification)—**WBSCR19 gene;****sequence variation**

name of component: Williams Beuren syndrome chromosome region 19

[NPU44413](#)

DNA(spec.)—WBSCR19 gene; seq.var. = ?

DNA(specification)—**WBSCR2 gene;****sequence variation**

name of component: Williams-Beuren syndrome chromosome region 2

[NPU41623](#)

DNA(spec.)—WBSCR2 gene; seq.var. = ?

DNA(specification)—**WBSCR20A gene;****sequence variation**

name of component: Williams Beuren syndrome chromosome region 20A

[NPU44393](#)

DNA(spec.)—WBSCR20A gene; seq.var. = ?

DNA(specification)—**WBSCR21 gene;****sequence variation**

name of component: Williams Beuren syndrome chromosome region 21

[NPU44412](#)

DNA(spec.)—WBSCR21 gene; seq.var. = ?

DNA(specification)—**WBSCR22 gene;****sequence variation**

name of component: Williams Beuren syndrome chromosome region 22

[NPU44410](#)

DNA(spec.)—WBSCR22 gene; seq.var. = ?

DNA(specification)—
WBSCR23 gene;
sequence variation
name of component: Williams-Beuren syndrome
chromosome region 23
[NPU44488](#)
DNA(spec.)—WBSCR23 gene; seq.var. = ?

DNA(specification)—
WBSCR24 gene;
sequence variation
name of component: Williams Beuren syndrome
chromosome region 24
[NPU46380](#)
DNA(spec.)—WBSCR24 gene; seq.var. = ?

DNA(specification)—
WBSCR25 gene;
sequence variation
name of component: Williams Beuren syndrome
chromosome region 25
[NPU46381](#)
DNA(spec.)—WBSCR25 gene; seq.var. = ?

DNA(specification)—
WBSCR26 gene;
sequence variation
name of component: Williams Beuren syndrome
chromosome region 26
[NPU46382](#)
DNA(spec.)—WBSCR26 gene; seq.var. = ?

DNA(specification)—
WBSCR3 gene;
sequence variation
name of component: Williams-Beuren syndrome
chromosome region 3
[NPU41624](#)
DNA(spec.)—WBSCR3 gene; seq.var. = ?

DNA(specification)—
WBSCR5 gene;
sequence variation
name of component: Williams-Beuren syndrome
chromosome region 5
[NPU41625](#)
DNA(spec.)—WBSCR5 gene; seq.var. = ?

DNA(specification)—
WD gene;
sequence variation
name of component: Waldner blood group
[NPU41626](#)
DNA(spec.)—WD gene; seq.var. = ?

DNA(specification)—
WDFY1 gene;
sequence variation
name of component: WD repeat and FYVE domain
containing 1
[NPU47624](#)
DNA(spec.)—WDFY1 gene; seq.var. = ?

DNA(specification)—
WDFY2 gene;
sequence variation
name of component: WD repeat and FYVE domain
containing 2
[NPU47644](#)
DNA(spec.)—WDFY2 gene; seq.var. = ?

DNA(specification)—
WDFY3 gene;
sequence variation
name of component: WD repeat and FYVE domain
containing 3
[NPU47741](#)
DNA(spec.)—WDFY3 gene; seq.var. = ?

DNA(specification)—
WDR1 gene;
sequence variation
name of component: WD repeat domain 1
[NPU41627](#)
DNA(spec.)—WDR1 gene; seq.var. = ?

DNA(specification)—
WDR10 gene;
sequence variation
name of component: WD repeat domain 10
[NPU42193](#)
DNA(spec.)—WDR10 gene; seq.var. = ?

DNA(specification)—
WDR11 gene;
sequence variation
name of component: WD repeat domain 11
[NPU42351](#)
DNA(spec.)—WDR11 gene; seq.var. = ?

DNA(specification)—
WDR12 gene;
sequence variation
name of component: WD repeat domain 12
[NPU42507](#)
DNA(spec.)—WDR12 gene; seq.var. = ?

DNA(specification)—
WDR13 gene;
sequence variation
name of component: WD repeat domain 13
[NPU42692](#)
DNA(spec.)—WDR13 gene; seq.var. = ?

DNA(specification)—
WDR16 gene;
sequence variation
name of component: WD repeat domain 16
[NPU44110](#)
DNA(spec.)—WDR16 gene; seq.var. = ?

DNA(specification)—
WDR17 gene;
sequence variation
name of component: WD repeat domain 17
[NPU44627](#)
DNA(spec.)—WDR17 gene; seq.var. = ?

DNA(specification)—
WDR18 gene;
sequence variation
name of component: WD repeat domain 18
[NPU46193](#)
DNA(spec.)—WDR18 gene; seq.var. = ?

DNA(specification)—
WDR19 gene;
sequence variation
name of component: WD repeat domain 19
[NPU46413](#)
DNA(spec.)—WDR19 gene; seq.var. = ?

DNA(specification)—
WDR20 gene;
sequence variation
name of component: WD repeat domain 20
[NPU47140](#)
DNA(spec.)—WDR20 gene; seq.var. = ?

DNA(specification)—
WDR21 gene;
sequence variation
name of component: WD repeat domain 21
[NPU47502](#)
DNA(spec.)—WDR21 gene; seq.var. = ?

DNA(specification)—
WDR22 gene;
sequence variation
name of component: WD repeat domain 22
[NPU47498](#)
DNA(spec.)—WDR22 gene; seq.var. = ?

DNA(specification)—
WDR23 gene;
sequence variation
name of component: WD repeat domain 23
[NPU47520](#)
DNA(spec.)—WDR23 gene; seq.var. = ?

DNA(specification)—
WDR24 gene;
sequence variation
name of component: WD repeat domain 24
[NPU47778](#)
DNA(spec.)—WDR24 gene; seq.var. = ?

DNA(specification)—
WDR3 gene;
sequence variation
name of component: WD repeat domain 3
[NPU41628](#)
DNA(spec.)—WDR3 gene; seq.var. = ?

DNA(specification)—
WDR4 gene;
sequence variation
name of component: WD repeat domain 4
[NPU41629](#)
DNA(spec.)—WDR4 gene; seq.var. = ?

DNA(specification)—
WDR5 gene;
sequence variation
name of component: WD repeat domain 5
[NPU41630](#)
DNA(spec.)—WDR5 gene; seq.var. = ?

DNA(specification)—
WDR5B gene;
sequence variation
name of component: WD repeat domain 5B
[NPU46124](#)
DNA(spec.)—WDR5B gene; seq.var. = ?

DNA(specification)—
WDR6 gene;
sequence variation
name of component: WD repeat domain 6
[NPU41631](#)
DNA(spec.)—WDR6 gene; seq.var. = ?

DNA(specification)—
WDR7 gene;
sequence variation
name of component: WD repeat domain 7
[NPU42151](#)
DNA(spec.)—WDR7 gene; seq.var. = ?

DNA(specification)—
WDR8 gene;
sequence variation
name of component: WD repeat domain 8
[NPU41632](#)
DNA(spec.)—WDR8 gene; seq.var. = ?

DNA(specification)—
WDR9 gene;
sequence variation
name of component: WD repeat domain 9
[NPU41633](#)
DNA(spec.)—WDR9 gene; seq.var. = ?

DNA(specification)—
WEE1 gene;
sequence variation
name of component: WEE1 homolog (S. pombe)
[NPU41634](#)
DNA(spec.)—WEE1 gene; seq.var. = ?

DNA(specification)—
WFDC1 gene;
sequence variation
name of component: WAP four-disulfide core domain 1
[NPU43681](#)
DNA(spec.)—WFDC1 gene; seq.var. = ?

DNA(specification)—
WFDC10A gene;
sequence variation
name of component: WAP four-disulfide core domain 10A
[NPU44184](#)
DNA(spec.)—WFDC10A gene; seq.var. = ?

DNA(specification)—
WFDC10B gene;
sequence variation
name of component: WAP four-disulfide core domain 10B
[NPU47642](#)
DNA(spec.)—WFDC10B gene; seq.var. = ?

DNA(specification)—
WFDC11 gene;
sequence variation
name of component: WAP four-disulfide core domain 11
[NPU47641](#)
DNA(spec.)—WFDC11 gene; seq.var. = ?

DNA(specification)—
WFDC12 gene;
sequence variation
name of component: WAP four-disulfide core domain 12
[NPU44162](#)
DNA(spec.)—WFDC12 gene; seq.var. = ?

DNA(specification)—
WFDC13 gene;
sequence variation
name of component: WAP four-disulfide core domain 13
[NPU44177](#)
DNA(spec.)—WFDC13 gene; seq.var. = ?

DNA(specification)—
WFDC2 gene;
sequence variation
name of component: WAP four-disulfide core domain 2
[NPU44019](#)
DNA(spec.)—WFDC2 gene; seq.var. = ?

DNA(specification)—
WFDC3 gene;
sequence variation
name of component: WAP four-disulfide core domain 3
[NPU44035](#)
DNA(spec.)—WFDC3 gene; seq.var. = ?

DNA(specification)—
WFDC5 gene;
sequence variation
name of component: WAP four-disulfide core domain 5
[NPU47640](#)
DNA(spec.)—WFDC5 gene; seq.var. = ?

DNA(specification)—
WFDC6 gene;
sequence variation
name of component: WAP four-disulfide core domain 6
[NPU44208](#)
DNA(spec.)—WFDC6 gene; seq.var. = ?

DNA(specification)—
WFDC8 gene;
sequence variation
name of component: WAP four-disulfide core domain 8
[NPU44207](#)
DNA(spec.)—WFDC8 gene; seq.var. = ?

DNA(specification)—
WFDC9 gene;
sequence variation
name of component: WAP four-disulfide core domain 9
[NPU47592](#)
DNA(spec.)—WFDC9 gene; seq.var. = ?

DNA(specification)—**WFS1 gene;****sequence variation**

name of component: Wolfram syndrome 1 (wolframin)

[NPU41635](#)

DNA(spec.)—WFS1 gene; seq.var. = ?

DNA(specification)—**WFS2 gene;****sequence variation**

name of component: Wolfram syndrome 2

[NPU41636](#)

DNA(spec.)—WFS2 gene; seq.var. = ?

DNA(specification)—**WHCR gene;****sequence variation**

name of component: Wolf-Hirschhorn syndrome chromosome region

[NPU41637](#)

DNA(spec.)—WHCR gene; seq.var. = ?

DNA(specification)—**WHN gene;****sequence variation**

name of component: winged-helix nude

[NPU41638](#)

DNA(spec.)—WHN gene; seq.var. = ?

DNA(specification)—**WHSC1 gene;****sequence variation**

name of component: Wolf-Hirschhorn syndrome candidate 1

[NPU41639](#)

DNA(spec.)—WHSC1 gene; seq.var. = ?

DNA(specification)—**WHSC1L1 gene;****sequence variation**

name of component: Wolf-Hirschhorn syndrome candidate 1-like 1

[NPU41640](#)

DNA(spec.)—WHSC1L1 gene; seq.var. = ?

DNA(specification)—**WHSC1L2P gene;****sequence variation**

name of component: Wolf-Hirschhorn syndrome candidate 1-like 2, pseudogene

[NPU42919](#)

DNA(spec.)—WHSC1L2P gene; seq.var. = ?

DNA(specification)—**WHSC2 gene;****sequence variation**

name of component: Wolf-Hirschhorn syndrome candidate 2

[NPU41641](#)

DNA(spec.)—WHSC2 gene; seq.var. = ?

DNA(specification)—**WIF1 gene;****sequence variation**

name of component: WNT inhibitory factor 1

[NPU46270](#)

DNA(spec.)—WIF1 gene; seq.var. = ?

DNA(specification)—**WISP1 gene;****sequence variation**

name of component: WNT1 inducible signaling pathway protein 1

[NPU41642](#)

DNA(spec.)—WISP1 gene; seq.var. = ?

DNA(specification)—**WISP2 gene;****sequence variation**

name of component: WNT1 inducible signaling pathway protein 2

[NPU41643](#)

DNA(spec.)—WISP2 gene; seq.var. = ?

DNA(specification)—**WISP3 gene;****sequence variation**

name of component: WNT1 inducible signaling pathway protein 3

[NPU41644](#)

DNA(spec.)—WISP3 gene; seq.var. = ?

DNA(specification)—**WMS gene;****sequence variation**

name of component: Weill-Marchesani syndrome

[NPU41645](#)

DNA(spec.)—WMS gene; seq.var. = ?

DNA(specification)—**WNT1 gene;****sequence variation**

name of component: wingless-type MMTV integration site family, member 1

[NPU41646](#)

DNA(spec.)—WNT1 gene; seq.var. = ?

DNA(specification)—
WNT10A gene;
sequence variation
name of component: wingless-type MMTV integration site family, member 10A
[NPU42349](#)
DNA(spec.)—WNT10A gene; seq.var. = ?

DNA(specification)—
WNT10B gene;
sequence variation
name of component: wingless-type MMTV integration site family, member 10B
[NPU41647](#)
DNA(spec.)—WNT10B gene; seq.var. = ?

DNA(specification)—
WNT11 gene;
sequence variation
name of component: wingless-type MMTV integration site family, member 11
[NPU41648](#)
DNA(spec.)—WNT11 gene; seq.var. = ?

DNA(specification)—
WNT16 gene;
sequence variation
name of component: wingless-type MMTV integration site family, member 16
[NPU44306](#)
DNA(spec.)—WNT16 gene; seq.var. = ?

DNA(specification)—
WNT2 gene;
sequence variation
name of component: wingless-type MMTV integration site family member 2
[NPU41651](#)
DNA(spec.)—WNT2 gene; seq.var. = ?

DNA(specification)—
WNT2B gene;
sequence variation
name of component: wingless-type MMTV integration site family, member 2B
[NPU41652](#)
DNA(spec.)—WNT2B gene; seq.var. = ?

DNA(specification)—
WNT3 gene;
sequence variation
name of component: wingless-type MMTV integration site family, member 3
[NPU41653](#)
DNA(spec.)—WNT3 gene; seq.var. = ?

DNA(specification)—
WNT3A gene;
sequence variation
name of component: wingless-type MMTV integration site family, member 3A
[NPU44059](#)
DNA(spec.)—WNT3A gene; seq.var. = ?

DNA(specification)—
WNT4 gene;
sequence variation
name of component: wingless-type MMTV integration site family, member 4
[NPU41654](#)
DNA(spec.)—WNT4 gene; seq.var. = ?

DNA(specification)—
WNT5A gene;
sequence variation
name of component: wingless-type MMTV integration site family, member 5A
[NPU41655](#)
DNA(spec.)—WNT5A gene; seq.var. = ?

DNA(specification)—
WNT5B gene;
sequence variation
name of component: wingless-type MMTV integration site family, member 5B
[NPU44304](#)
DNA(spec.)—WNT5B gene; seq.var. = ?

DNA(specification)—
WNT6 gene;
sequence variation
name of component: wingless-type MMTV integration site family, member 6
[NPU41656](#)
DNA(spec.)—WNT6 gene; seq.var. = ?

DNA(specification)—
WNT7A gene;
sequence variation
name of component: wingless-type MMTV integration site family, member 7A
[NPU41657](#)
DNA(spec.)—WNT7A gene; seq.var. = ?

DNA(specification)—
WNT7B gene;
sequence variation
name of component: wingless-type MMTV integration site family, member 7B
[NPU41658](#)
DNA(spec.)—WNT7B gene; seq.var. = ?

DNA(specification)—**WNT8A gene;****sequence variation**

name of component: wingless-type MMTV integration site family, member 8A

[NPU41659](#)

DNA(spec.)—WNT8A gene; seq.var. = ?

DNA(specification)—**WNT8B gene;****sequence variation**

name of component: wingless-type MMTV integration site family, member 8B

[NPU41660](#)

DNA(spec.)—WNT8B gene; seq.var. = ?

DNA(specification)—**WNT9A gene;****sequence variation**

name of component: wingless-type MMTV integration site family, member 9A

[NPU41649](#)

DNA(spec.)—WNT9A gene; seq.var. = ?

DNA(specification)—**WNT9B gene;****sequence variation**

name of component: wingless-type MMTV integration site family, member 9B

[NPU41650](#)

DNA(spec.)—WNT9B gene; seq.var. = ?

DNA(specification)—**WRB gene;****sequence variation**

name of component: tryptophan rich basic protein

[NPU41661](#)

DNA(spec.)—WRB gene; seq.var. = ?

DNA(specification)—**WRN gene;****sequence variation**

name of component: Werner syndrome

[NPU41662](#)

DNA(spec.)—WRN gene; seq.var. = ?

DNA(specification)—**WS2A gene;****sequence variation**

name of component: Waardenburg syndrome, type 2A

[NPU41663](#)

DNA(spec.)—WS2A gene; seq.var. = ?

DNA(specification)—**WS2B gene;****sequence variation**

name of component: Waardenburg syndrome, type 2B

[NPU41664](#)

DNA(spec.)—WS2B gene; seq.var. = ?

DNA(specification)—**WSN gene;****sequence variation**

name of component: Waisman syndrome

[NPU41665](#)

DNA(spec.)—WSN gene; seq.var. = ?

DNA(specification)—**WT1 gene;****sequence variation**

name of component: Wilms tumor 1

[NPU19209](#)

DNA(spec.)—WT1 gene; seq.var. = ?

DNA(specification)—**WT2 gene;****sequence variation**

name of component: Wilms tumor 2

[NPU41666](#)

DNA(spec.)—WT2 gene; seq.var. = ?

DNA(specification)—**WTAP gene;****sequence variation**

name of component: Wilms tumor 1 associated protein

[NPU44737](#)

DNA(spec.)—WTAP gene; seq.var. = ?

DNA(specification)—**WTS gene;****sequence variation**

name of component: Wilson-Turner X-linked mental retardation syndrome

[NPU41667](#)

DNA(spec.)—WTS gene; seq.var. = ?

DNA(specification)—**WWOX gene;****sequence variation**

name of component: WW domain containing oxidoreductase

[NPU41668](#)

DNA(spec.)—WWOX gene; seq.var. = ?

DNA(specification)—**WWS gene;****sequence variation**

name of component: Wieacker-Wolff syndrome

[NPU41669](#)

DNA(spec.)—WWS gene; seq.var. = ?

DNA(specification)—**XBPI gene;****sequence variation**

name of component: X-box binding protein 1

[NPU41670](#)

DNA(spec.)—XBPI gene; seq.var. = ?

DNA(specification)—**XBPP1 gene;****sequence variation**

name of component: X-box binding protein pseudogene 1

[NPU41671](#)

DNA(spec.)—XBPP1 gene; seq.var. = ?

DNA(specification)—**XBX1 gene;****sequence variation**

name of component: xylan 1,4-beta-xylosidase 1

[NPU41672](#)

DNA(spec.)—XBX1 gene; seq.var. = ?

DNA(specification)—**XCE gene;****sequence variation**

name of component: X chromosome controlling element

[NPU41673](#)

DNA(spec.)—XCE gene; seq.var. = ?

DNA(specification)—**XCL1 gene;****sequence variation**

name of component: chemokine (C motif) ligand 1

[NPU39796](#)

DNA(spec.)—XCL1 gene; seq.var. = ?

DNA(specification)—**XCL2 gene;****sequence variation**

name of component: chemokine (C motif) ligand 2

[NPU39797](#)

DNA(spec.)—XCL2 gene; seq.var. = ?

DNA(specification)—**XCR1 gene;****sequence variation**

name of component: chemokine (C motif) receptor 1

[NPU31307](#)

DNA(spec.)—XCR1 gene; seq.var. = ?

DNA(specification)—**XDH gene;****sequence variation**

name of component: xanthine dehydrogenase

[NPU41674](#)

DNA(spec.)—XDH gene; seq.var. = ?

DNA(specification)—**XG gene;****sequence variation**

name of component: Xg blood group (pseudoautosomal boundary-divided on the X chromosome)

[NPU41675](#)

DNA(spec.)—XG gene; seq.var. = ?

DNA(specification)—**XGPY gene;****sequence variation**

name of component: Xg pseudogene (Y-linked)

[NPU41676](#)

DNA(spec.)—XGPY gene; seq.var. = ?

DNA(specification)—**XGR gene;****sequence variation**

name of component: expression of XG and MIC2 on erythrocytes

[NPU41677](#)

DNA(spec.)—XGR gene; seq.var. = ?

DNA(specification)—**XIC gene;****sequence variation**

name of component: X chromosome inactivation center

[NPU41678](#)

DNA(spec.)—XIC gene; seq.var. = ?

DNA(specification)—**XIST gene;****sequence variation**

name of component: X (inactive)-specific transcript

[NPU47903](#)

DNA(spec.)—XIST gene; seq.var. = ?

RNA(specification)—**XIST gene;****sequence variation**

name of component: X (inactive)-specific transcript

[NPU22160](#)

RNA(spec.)—XIST gene; seq.var. = ?

DNA(specification)—**XK gene;****sequence variation**

name of component: Kell blood group precursor (McLeod phenotype)

[NPU41679](#)

DNA(spec.)—XK gene; seq.var. = ?

DNA(specification)—**XKRY gene;****sequence variation**

name of component: X Kell blood group precursor-related, Y-linked

[NPU46540](#)

DNA(spec.)—XKRY gene; seq.var. = ?

DNA(specification)—**XLKD1 gene;****sequence variation**

name of component: extracellular link domain containing 1

[NPU42949](#)

DNA(spec.)—XLKD1 gene; seq.var. = ?

DNA(specification)—**XLRL gene;****sequence variation**

name of component: X-linked lymphocyte-regulated-like 1 (mouse)

[NPU41680](#)

DNA(spec.)—XLRL gene; seq.var. = ?

DNA(specification)—**XM gene;****sequence variation**

name of component: Xm(a) antigen

[NPU41681](#)

DNA(spec.)—XM gene; seq.var. = ?

DNA(specification)—**XPA gene;****sequence variation**

name of component: xeroderma pigmentosum, complementation group A

[NPU41682](#)

DNA(spec.)—XPA gene; seq.var. = ?

DNA(specification)—**XPC gene;****sequence variation**

name of component: xeroderma pigmentosum, complementation group C

[NPU41683](#)

DNA(spec.)—XPC gene; seq.var. = ?

DNA(specification)—**XPMC2H gene;****sequence variation**

name of component: XPMC2 prevents mitotic catastrophe 2 homolog (*Xenopus laevis*)

[NPU41684](#)

DNA(spec.)—XPMC2H gene; seq.var. = ?

DNA(specification)—**XPNPEP1 gene;****sequence variation**

name of component: X-prolyl aminopeptidase (aminopeptidase P) 1, soluble

[NPU41685](#)

DNA(spec.)—XPNPEP1 gene; seq.var. = ?

DNA(specification)—**XPNPEP2 gene;****sequence variation**

name of component: X-prolyl aminopeptidase (aminopeptidase P) 2, membrane-bound

[NPU41686](#)

DNA(spec.)—XPNPEP2 gene; seq.var. = ?

DNA(specification)—**XPO1 gene;****sequence variation**

name of component: exportin 1 (CRM1 homolog, yeast)

[NPU41687](#)

DNA(spec.)—XPO1 gene; seq.var. = ?

DNA(specification)—**XPO4 gene;****sequence variation**

name of component: exportin 4

[NPU46102](#)

DNA(spec.)—XPO4 gene; seq.var. = ?

DNA(specification)—**XPO5 gene;****sequence variation**

name of component: exportin 5

[NPU46073](#)

DNA(spec.)—XPO5 gene; seq.var. = ?

DNA(specification)—**XPO6 gene;****sequence variation**

name of component: exportin 6

[NPU47168](#)

DNA(spec.)—XPO6 gene; seq.var. = ?

DNA(specification)—**XPO7 gene;****sequence variation**

name of component: exportin 7

[NPU42516](#)

DNA(spec.)—XPO7 gene; seq.var. = ?

DNA(specification)—**XPOT gene;****sequence variation**

name of component: exportin, tRNA (nuclear export receptor for tRNAs)

[NPU41688](#)

DNA(spec.)—XPOT gene; seq.var. = ?

DNA(specification)—**XPOTP1 gene;****sequence variation**

name of component: exportin, tRNA (nuclear export receptor for tRNAs) pseudogene 1

[NPU44566](#)

DNA(spec.)—XPOTP1 gene; seq.var. = ?

DNA(specification)—**XPR1 gene;****sequence variation**

name of component: xenotropic and polytropic retrovirus receptor

[NPU41689](#)

DNA(spec.)—XPR1 gene; seq.var. = ?

DNA(specification)—**XRCC1 gene;****sequence variation**

name of component: X-ray repair complementing defective repair in Chinese hamster cells 1

[NPU41690](#)

DNA(spec.)—XRCC1 gene; seq.var. = ?

DNA(specification)—**XRCC2 gene;****sequence variation**

name of component: X-ray repair complementing defective repair in Chinese hamster cells 2

[NPU41691](#)

DNA(spec.)—XRCC2 gene; seq.var. = ?

DNA(specification)—**XRCC3 gene;****sequence variation**

name of component: X-ray repair complementing defective repair in Chinese hamster cells 3

[NPU41692](#)

DNA(spec.)—XRCC3 gene; seq.var. = ?

DNA(specification)—**XRCC4 gene;****sequence variation**

name of component: X-ray repair complementing defective repair in Chinese hamster cells 4

[NPU41693](#)

DNA(spec.)—XRCC4 gene; seq.var. = ?

DNA(specification)—**XRCC4L gene;****sequence variation**

name of component: X-ray repair complementing defective repair in Chinese hamster cells 4-like

[NPU41694](#)

DNA(spec.)—XRCC4L gene; seq.var. = ?

DNA(specification)—**XRCC5 gene;****sequence variation**

name of component: X-ray repair complementing defective repair in Chinese hamster cells 5 (double-strand-break rejoining; Ku autoantigen, 80 kDa)

[NPU41695](#)

DNA(spec.)—XRCC5 gene; seq.var. = ?

DNA(specification)—**XRCC8 gene;****sequence variation**

name of component: X-ray repair complementing defective repair in Chinese hamster cells 8

[NPU41696](#)

DNA(spec.)—XRCC8 gene; seq.var. = ?

DNA(specification)—**XRN2 gene;****sequence variation**

name of component: 5'-3' exoribonuclease 2

[NPU41697](#)

DNA(spec.)—XRN2 gene; seq.var. = ?

DNA(specification)—**XS gene;****sequence variation**

name of component: X-linked suppressor of LU antigens

[NPU41698](#)

DNA(spec.)—XS gene; seq.var. = ?

DNA(specification)—**XWNPEP gene;****sequence variation**

name of component: X-tryptophanyl aminopeptidase (aminopeptidase W)

[NPU41699](#)

DNA(spec.)—XWNPEP gene; seq.var. = ?

DNA(specification)—**XYLB gene;****sequence variation**

name of component: xylulokinase homolog (H. influenzae)

[NPU41700](#)

DNA(spec.)—XYLB gene; seq.var. = ?

DNA(specification)—**XYLT1 gene;****sequence variation**

name of component: xylosyltransferase I

[NPU43713](#)

DNA(spec.)—XYLT1 gene; seq.var. = ?

DNA(specification)—**XYLT2 gene;****sequence variation**

name of component: xylosyltransferase II

[NPU43714](#)

DNA(spec.)—XYLT2 gene; seq.var. = ?

DNA(specification)—**YAF2 gene;****sequence variation**

name of component: YY1 associated factor 2

[NPU46006](#)

DNA(spec.)—YAF2 gene; seq.var. = ?

DNA(specification)—**YAP1 gene;****sequence variation**

name of component: Yes-associated protein 1, 65 kDa

[NPU44302](#)

DNA(spec.)—YAP1 gene; seq.var. = ?

DNA(specification)—**YARS gene;****sequence variation**

name of component: tyrosyl-tRNA synthetase

[NPU41701](#)

DNA(spec.)—YARS gene; seq.var. = ?

DNA(specification)—**YES1 gene;****sequence variation**

name of component: v-yes-1 Yamaguchi sarcoma viral oncogene homolog 1

[NPU41702](#)

DNA(spec.)—YES1 gene; seq.var. = ?

DNA(specification)—**YESP gene;****sequence variation**

name of component: v-yes-1 Yamaguchi sarcoma viral oncogene homolog pseudogene

[NPU41703](#)

DNA(spec.)—YESP gene; seq.var. = ?

DNA(specification)—**YME1L1 gene;****sequence variation**

name of component: YME1-like 1 (S. cerevisiae)

[NPU41704](#)

DNA(spec.)—YME1L1 gene; seq.var. = ?

DNA(specification)—**YME1L2 gene;****sequence variation**

name of component: YME1-like 2 (S. cerevisiae)

[NPU41705](#)

DNA(spec.)—YME1L2 gene; seq.var. = ?

DNA(specification)—**YPEL1 gene;****sequence variation**

name of component: yippee-like 1 (Drosophila)

[NPU41706](#)

DNA(spec.)—YPEL1 gene; seq.var. = ?

DNA(specification)—**YWHAB gene;****sequence variation**

name of component: tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide

[NPU41708](#)

DNA(spec.)—YWHAB gene; seq.var. = ?

DNA(specification)—**YWHAD gene;****sequence variation**

name of component: tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, delta polypeptide

[NPU41709](#)

DNA(spec.)—YWHAD gene; seq.var. = ?

DNA(specification)—**YWHAE gene;****sequence variation**

name of component: tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon polypeptide

[NPU41710](#)

DNA(spec.)—YWHAE gene; seq.var. = ?

DNA(specification)—**YWHAG gene;****sequence variation**

name of component: tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide

[NPU41711](#)

DNA(spec.)—YWHAG gene; seq.var. = ?

DNA(specification)—**YWHAH gene;****sequence variation**

name of component: tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta polypeptide

[NPU41712](#)

DNA(spec.)—YWHAH gene; seq.var. = ?

DNA(specification)—**YWHAQ gene;****sequence variation**

name of component: tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide

[NPU41713](#)

DNA(spec.)—YWHAQ gene; seq.var. = ?

DNA(specification)—**YWHAQP gene;****sequence variation**

name of component: tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta pseudogene

[NPU47327](#)

DNA(spec.)—YWHAQP gene; seq.var. = ?

DNA(specification)—**YWHAZ gene;****sequence variation**

name of component: tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide

[NPU41714](#)

DNA(spec.)—YWHAZ gene; seq.var. = ?

DNA(specification)—**YWHAZP gene;****sequence variation**

name of component: tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta pseudogene

[NPU47328](#)

DNA(spec.)—YWHAZP gene; seq.var. = ?

DNA(specification)—**YWHAA gene;****sequence variation**

name of component: tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, alpha polypeptide

[NPU41707](#)

DNA(spec.)—YWHAA gene; seq.var. = ?

DNA(specification)—**YY1 gene;****sequence variation**

name of component: YY1 transcription factor

[NPU41715](#)

DNA(spec.)—YY1 gene; seq.var. = ?

DNA(specification)—**ZA20D1 gene;****sequence variation**

name of component: zinc finger, A20 domain containing 1

[NPU44638](#)

DNA(spec.)—ZA20D1 gene; seq.var. = ?

DNA(specification)—**ZADH1 gene;****sequence variation**

name of component: zinc binding alcohol dehydrogenase, domain containing 1

[NPU47451](#)

DNA(spec.)—ZADH1 gene; seq.var. = ?

DNA(specification)—**ZAN gene;****sequence variation**

name of component: zonadhesin

[NPU41716](#)

DNA(spec.)—ZAN gene; seq.var. = ?

DNA(specification)—**ZAP70 gene;****sequence variation**

name of component: zeta-chain (TCR) associated protein kinase 70 kDa

[NPU41717](#)

DNA(spec.)—ZAP70 gene; seq.var. = ?

DNA(specification)—**ZAR1 gene;****sequence variation**

name of component: zygote arrest 1

[NPU47615](#)

DNA(spec.)—ZAR1 gene; seq.var. = ?

DNA(specification)—**ZBED2 gene;****sequence variation**

name of component: zinc finger, BED domain containing 2

[NPU47725](#)

DNA(spec.)—ZBED2 gene; seq.var. = ?

DNA(specification)—**ZBED3 gene;****sequence variation**

name of component: zinc finger, BED domain containing 3

[NPU47726](#)

DNA(spec.)—ZBED3 gene; seq.var. = ?

DNA(specification)—**ZBED4 gene;****sequence variation**

name of component: zinc finger, BED domain containing 4

[NPU47731](#)

DNA(spec.)—ZBED4 gene; seq.var. = ?

DNA(specification)—**ZBP1 gene;****sequence variation**

name of component: Z-DNA binding protein 1

[NPU44220](#)

DNA(spec.)—ZBP1 gene; seq.var. = ?

DNA(specification)—**ZBTB1 gene;****sequence variation**

name of component: zinc finger and BTB domain containing 1

[NPU47521](#)

DNA(spec.)—ZBTB1 gene; seq.var. = ?

DNA(specification)—**ZBTB2 gene;****sequence variation**

name of component: zinc finger and BTB domain containing 2

[NPU47785](#)

DNA(spec.)—ZBTB2 gene; seq.var. = ?

DNA(specification)—**ZDHHC1 gene;****sequence variation**

name of component: zinc finger, DHHC domain containing 1

[NPU46174](#)

DNA(spec.)—ZDHHC1 gene; seq.var. = ?

DNA(specification)—**ZDHHC10 gene;****sequence variation**

name of component: zinc finger, DHHC domain containing 10

[NPU44056](#)

DNA(spec.)—ZDHHC10 gene; seq.var. = ?

DNA(specification)—**ZDHHC11 gene;****sequence variation**

name of component: zinc finger, DHHC domain containing 11

[NPU46888](#)

DNA(spec.)—ZDHHC11 gene; seq.var. = ?

DNA(specification)—**ZDHHC12 gene;****sequence variation**

name of component: zinc finger, DHHC domain containing 12

[NPU46889](#)

DNA(spec.)—ZDHHC12 gene; seq.var. = ?

DNA(specification)—**ZDHHC14 gene;****sequence variation**

name of component: zinc finger, DHHC domain containing 14

[NPU47569](#)

DNA(spec.)—ZDHHC14 gene; seq.var. = ?

DNA(specification)—**ZDHHC15 gene;****sequence variation**

name of component: zinc finger, DHHC domain containing 15

[NPU47570](#)

DNA(spec.)—ZDHHC15 gene; seq.var. = ?

DNA(specification)—**ZDHHC16 gene;****sequence variation**

name of component: zinc finger, DHHC domain containing 16

[NPU47729](#)

DNA(spec.)—ZDHHC16 gene; seq.var. = ?

DNA(specification)—**ZDHHC18 gene;****sequence variation**

name of component: zinc finger, DHHC domain containing 18

[NPU47727](#)

DNA(spec.)—ZDHHC18 gene; seq.var. = ?

DNA(specification)—**ZDHHC19 gene;****sequence variation**

name of component: zinc finger, DHHC domain containing 19

[NPU47728](#)

DNA(spec.)—ZDHHC19 gene; seq.var. = ?

DNA(specification)—**ZDHHC2 gene;****sequence variation**

name of component: zinc finger, DHHC domain containing 2

[NPU46478](#)

DNA(spec.)—ZDHHC2 gene; seq.var. = ?

DNA(specification)—**ZDHHC3 gene;****sequence variation**

name of component: zinc finger, DHHC domain containing 3

[NPU46479](#)

DNA(spec.)—ZDHHC3 gene; seq.var. = ?

DNA(specification)—**ZDHHC4 gene;****sequence variation**

name of component: zinc finger, DHHC domain containing 4

[NPU46480](#)

DNA(spec.)—ZDHHC4 gene; seq.var. = ?

DNA(specification)—**ZDHHC5 gene;****sequence variation**

name of component: zinc finger, DHHC domain containing 5

[NPU46481](#)

DNA(spec.)—ZDHHC5 gene; seq.var. = ?

DNA(specification)—**ZDHHC6 gene;****sequence variation**

name of component: zinc finger, DHHC domain containing 6

[NPU46890](#)

DNA(spec.)—ZDHHC6 gene; seq.var. = ?

DNA(specification)—**ZDHHC7 gene;****sequence variation**

name of component: zinc finger, DHHC domain containing 7

[NPU46474](#)

DNA(spec.)—ZDHHC7 gene; seq.var. = ?

DNA(specification)—**ZDHHC8 gene;****sequence variation**

name of component: zinc finger, DHHC domain containing 8

[NPU46483](#)

DNA(spec.)—ZDHHC8 gene; seq.var. = ?

DNA(specification)—**ZDHHC9 gene;****sequence variation**

name of component: zinc finger, DHHC domain containing 9

[NPU46484](#)

DNA(spec.)—ZDHHC9 gene; seq.var. = ?

DNA(specification)—**ZFHX1B gene;****sequence variation**

name of component: zinc finger homeobox 1b

[NPU43135](#)

DNA(spec.)—ZFHX1B gene; seq.var. = ?

DNA(specification)—**ZFHX2 gene;****sequence variation**

name of component: zinc finger homeobox 2

[NPU47453](#)

DNA(spec.)—ZFHX2 gene; seq.var. = ?

DNA(specification)—**ZFP161 gene;****sequence variation**

name of component: zinc finger protein 161 homolog (mouse)

[NPU41719](#)

DNA(spec.)—ZFP161 gene; seq.var. = ?

DNA(specification)—**ZFP28 gene;****sequence variation**

name of component: zinc finger protein 28 homolog (mouse)

[NPU46103](#)

DNA(spec.)—ZFP28 gene; seq.var. = ?

DNA(specification)—**ZFP29 gene;****sequence variation**

name of component: zinc finger protein 29

[NPU47823](#)

DNA(spec.)—ZFP29 gene; seq.var. = ?

DNA(specification)—**ZFP3 gene;****sequence variation**

name of component: zinc finger protein 3 homolog (mouse)

[NPU41720](#)

DNA(spec.)—ZFP3 gene; seq.var. = ?

DNA(specification)—**ZFP36 gene;****sequence variation**

name of component: zinc finger protein 36, C3H type, homolog (mouse)

[NPU41721](#)

DNA(spec.)—ZFP36 gene; seq.var. = ?

DNA(specification)—**ZFP36L1 gene;****sequence variation**

name of component: zinc finger protein 36, C3H type-like 1

[NPU30897](#)

DNA(spec.)—ZFP36L1 gene; seq.var. = ?

DNA(specification)—**ZFP36L2 gene;****sequence variation**

name of component: zinc finger protein 36, C3H type-like 2

[NPU30898](#)

DNA(spec.)—ZFP36L2 gene; seq.var. = ?

DNA(specification)—**ZFP37 gene;****sequence variation**

name of component: zinc finger protein 37 homolog (mouse)

[NPU41722](#)

DNA(spec.)—ZFP37 gene; seq.var. = ?

DNA(specification)—**ZFP40 gene;****sequence variation**

name of component: zinc finger protein 40 homolog (mouse)

[NPU41723](#)

DNA(spec.)—ZFP40 gene; seq.var. = ?

DNA(specification)—**ZFP64 gene;****sequence variation**

name of component: zinc finger protein 64 homolog (mouse)

[NPU44020](#)

DNA(spec.)—ZFP64 gene; seq.var. = ?

DNA(specification)—**ZFP67 gene;****sequence variation**

name of component: zinc finger protein 67 homolog (mouse)

[NPU46609](#)

DNA(spec.)—ZFP67 gene; seq.var. = ?

DNA(specification)—**ZFP91 gene;****sequence variation**

name of component: zinc finger protein 91 homolog (mouse)

[NPU43221](#)

DNA(spec.)—ZFP91 gene; seq.var. = ?

DNA(specification)—**ZFP92 gene;****sequence variation**

name of component: zinc finger protein 92 homolog (mouse)

[NPU41724](#)

DNA(spec.)—ZFP92 gene; seq.var. = ?

DNA(specification)—**ZFP95 gene;****sequence variation**

name of component: zinc finger protein 95 homolog (mouse)

[NPU41726](#)

DNA(spec.)—ZFP95 gene; seq.var. = ?

DNA(specification)—**ZFPL1 gene;****sequence variation**

name of component: zinc finger protein-like 1

[NPU41727](#)

DNA(spec.)—ZFPL1 gene; seq.var. = ?

DNA(specification)—**ZFPM1 gene;****sequence variation**

name of component: zinc finger protein, multitype 1

[NPU47186](#)

DNA(spec.)—ZFPM1 gene; seq.var. = ?

DNA(specification)—**ZFPM2 gene;****sequence variation**

name of component: zinc finger protein, multitype 2

[NPU44643](#)

DNA(spec.)—ZFPM2 gene; seq.var. = ?

DNA(specification)—**ZFR gene;****sequence variation**

name of component: zinc finger RNA binding protein

[NPU44948](#)

DNA(spec.)—ZFR gene; seq.var. = ?

DNA(specification)—**ZFX gene;****sequence variation**

name of component: zinc finger protein, X-linked

[NPU41728](#)

DNA(spec.)—ZFX gene; seq.var. = ?

DNA(specification)—**ZFY gene;****sequence variation**

name of component: zinc finger protein, Y-linked

[NPU41729](#)

DNA(spec.)—ZFY gene; seq.var. = ?

DNA(specification)—**ZFYVE1 gene;****sequence variation**

name of component: zinc finger, FYVE domain containing 1

[NPU42022](#)

DNA(spec.)—ZFYVE1 gene; seq.var. = ?

DNA(specification)—**ZFYVE16 gene;****sequence variation**

name of component: zinc finger, FYVE domain containing 16

[NPU47745](#)

DNA(spec.)—ZFYVE16 gene; seq.var. = ?

DNA(specification)—
ZFYVE19 gene;
sequence variation
name of component: zinc finger, FYVE domain
containing 19
[NPU47747](#)
DNA(spec.)—ZFYVE19 gene; seq.var. = ?

DNA(specification)—
ZFYVE20 gene;
sequence variation
name of component: zinc finger, FYVE domain
containing 20
[NPU47748](#)
DNA(spec.)—ZFYVE20 gene; seq.var. = ?

DNA(specification)—
ZFYVE21 gene;
sequence variation
name of component: zinc finger, FYVE domain
containing 21
[NPU47749](#)
DNA(spec.)—ZFYVE21 gene; seq.var. = ?

DNA(specification)—
ZFYVE26 gene;
sequence variation
name of component: zinc finger, FYVE domain
containing 26
[NPU47750](#)
DNA(spec.)—ZFYVE26 gene; seq.var. = ?

DNA(specification)—
ZHX1 gene;
sequence variation
name of component: zinc-fingers and homeoboxes
1
[NPU41730](#)
DNA(spec.)—ZHX1 gene; seq.var. = ?

DNA(specification)—
ZIC1 gene;
sequence variation
name of component: Zic family member 1 (odd-
paired homolog, Drosophila)
[NPU41731](#)
DNA(spec.)—ZIC1 gene; seq.var. = ?

DNA(specification)—
ZIC2 gene;
sequence variation
name of component: Zic family member 2 (odd-
paired homolog, Drosophila)
[NPU41732](#)
DNA(spec.)—ZIC2 gene; seq.var. = ?

DNA(specification)—
ZIC3 gene;
sequence variation
name of component: Zic family member 3 hetero-
taxy 1 (odd-paired homolog, Drosophila)
[NPU41733](#)
DNA(spec.)—ZIC3 gene; seq.var. = ?

DNA(specification)—
ZIC4 gene;
sequence variation
name of component: Zic family member 4
[NPU47596](#)
DNA(spec.)—ZIC4 gene; seq.var. = ?

DNA(specification)—
ZIC5 gene;
sequence variation
name of component: Zic family member 5 (odd-
paired homolog, Drosophila)
[NPU47553](#)
DNA(spec.)—ZIC5 gene; seq.var. = ?

DNA(specification)—
ZIM2 gene;
sequence variation
name of component: zinc finger, imprinted 2
[NPU41734](#)
DNA(spec.)—ZIM2 gene; seq.var. = ?

DNA(specification)—
ZIM3 gene;
sequence variation
name of component: zinc finger, imprinted 3
[NPU44377](#)
DNA(spec.)—ZIM3 gene; seq.var. = ?

DNA(specification)—
ZMPSTE24 gene;
sequence variation
name of component: zinc metalloproteinase
(STE24 homolog, yeast)
[NPU41736](#)
DNA(spec.)—ZMPSTE24 gene; seq.var. = ?

DNA(specification)—
ZMYND10 gene;
sequence variation
name of component: zinc finger, MYND domain
containing 10
[NPU47025](#)
DNA(spec.)—ZMYND10 gene; seq.var. = ?

DNA(specification)—
ZMYND15 gene;
sequence variation
name of component: zinc finger, MYND domain
containing 15
[NPU47826](#)
DNA(spec.)—ZMYND15 gene; seq.var. = ?

DNA(specification)—**ZMYND19 gene;****sequence variation**

name of component: zinc finger, MYND domain containing 19

[NPU47880](#)

DNA(spec.)—ZMYND19 gene; seq.var. = ?

DNA(specification)—**ZNF1 gene;****sequence variation**

name of component: zinc finger protein 1 (A11-500)

[NPU41737](#)

DNA(spec.)—ZNF1 gene; seq.var. = ?

DNA(specification)—**ZNF10 gene;****sequence variation**

name of component: zinc finger protein 10 (K0X1)

[NPU41738](#)

DNA(spec.)—ZNF10 gene; seq.var. = ?

DNA(specification)—**ZNF100 gene;****sequence variation**

name of component: zinc finger protein 100 (Y1)

[NPU41739](#)

DNA(spec.)—ZNF100 gene; seq.var. = ?

DNA(specification)—**ZNF101 gene;****sequence variation**

name of component: zinc finger protein 101 (Y2)

[NPU41740](#)

DNA(spec.)—ZNF101 gene; seq.var. = ?

DNA(specification)—**ZNF102 gene;****sequence variation**

name of component: zinc finger protein 102 (Y3)

[NPU41741](#)

DNA(spec.)—ZNF102 gene; seq.var. = ?

DNA(specification)—**ZNF103 gene;****sequence variation**

name of component: zinc finger protein 103 (Y4)

[NPU41742](#)

DNA(spec.)—ZNF103 gene; seq.var. = ?

DNA(specification)—**ZNF104 gene;****sequence variation**

name of component: zinc finger protein 104 (Y5)

[NPU41743](#)

DNA(spec.)—ZNF104 gene; seq.var. = ?

DNA(specification)—**ZNF105 gene;****sequence variation**

name of component: zinc finger protein 105 (Y6)

[NPU41744](#)

DNA(spec.)—ZNF105 gene; seq.var. = ?

DNA(specification)—**ZNF106 gene;****sequence variation**

name of component: zinc finger protein 106 (Y7)

[NPU41745](#)

DNA(spec.)—ZNF106 gene; seq.var. = ?

DNA(specification)—**ZNF107 gene;****sequence variation**

name of component: zinc finger protein 107 (Y8)

[NPU41746](#)

DNA(spec.)—ZNF107 gene; seq.var. = ?

DNA(specification)—**ZNF108 gene;****sequence variation**

name of component: zinc finger protein 108 (Y9)

[NPU41747](#)

DNA(spec.)—ZNF108 gene; seq.var. = ?

DNA(specification)—**ZNF109 gene;****sequence variation**

name of component: zinc finger protein 109 (Y10)

[NPU41748](#)

DNA(spec.)—ZNF109 gene; seq.var. = ?

DNA(specification)—**ZNF110 gene;****sequence variation**

name of component: zinc finger protein 110 (Y11)

[NPU41749](#)

DNA(spec.)—ZNF110 gene; seq.var. = ?

DNA(specification)—**ZNF111 gene;****sequence variation**

name of component: zinc finger protein 111 (Y13)

[NPU41750](#)

DNA(spec.)—ZNF111 gene; seq.var. = ?

DNA(specification)—**ZNF112 gene;****sequence variation**

name of component: zinc finger protein 112 (Y14)

[NPU41751](#)

DNA(spec.)—ZNF112 gene; seq.var. = ?

DNA(specification)—**ZNF113 gene;****sequence variation**

name of component: zinc finger protein 113 (Y17)

[NPU41752](#)

DNA(spec.)—ZNF113 gene; seq.var. = ?

DNA(specification)—**ZNF114 gene;****sequence variation**

name of component: zinc finger protein 114 (Y18)

[NPU41753](#)

DNA(spec.)—ZNF114 gene; seq.var. = ?

DNA(specification)—**ZNF115 gene;****sequence variation**

name of component: zinc finger protein 115 (Y20)

[NPU41754](#)

DNA(spec.)—ZNF115 gene; seq.var. = ?

DNA(specification)—**ZNF116 gene;****sequence variation**

name of component: zinc finger protein 116 (Y21)

[NPU41755](#)

DNA(spec.)—ZNF116 gene; seq.var. = ?

DNA(specification)—**ZNF117 gene;****sequence variation**

name of component: zinc finger protein 117 (HPF9)

[NPU41756](#)

DNA(spec.)—ZNF117 gene; seq.var. = ?

DNA(specification)—**ZNF118 gene;****sequence variation**

name of component: zinc finger protein 118 (Y12)

[NPU41757](#)

DNA(spec.)—ZNF118 gene; seq.var. = ?

DNA(specification)—**ZNF119 gene;****sequence variation**

name of component: zinc finger protein 119 (Y15)

[NPU41758](#)

DNA(spec.)—ZNF119 gene; seq.var. = ?

DNA(specification)—**ZNF11A gene;****sequence variation**

name of component: zinc finger protein 11a (KOX 2)

[NPU41759](#)

DNA(spec.)—ZNF11A gene; seq.var. = ?

DNA(specification)—**ZNF11B gene;****sequence variation**

name of component: zinc finger protein 11b (KOX 2)

[NPU41760](#)

DNA(spec.)—ZNF11B gene; seq.var. = ?

DNA(specification)—**ZNF12 gene;****sequence variation**

name of component: zinc finger protein 12 (KOX 3)

[NPU41761](#)

DNA(spec.)—ZNF12 gene; seq.var. = ?

DNA(specification)—**ZNF120 gene;****sequence variation**

name of component: zinc finger protein 120 (Y16)

[NPU41762](#)

DNA(spec.)—ZNF120 gene; seq.var. = ?

DNA(specification)—**ZNF121 gene;****sequence variation**

name of component: zinc finger protein 121 (clone ZHC32)

[NPU41763](#)

DNA(spec.)—ZNF121 gene; seq.var. = ?

DNA(specification)—**ZNF122 gene;****sequence variation**

name of component: zinc finger protein 122

[NPU41764](#)

DNA(spec.)—ZNF122 gene; seq.var. = ?

DNA(specification)—**ZNF123 gene;****sequence variation**

name of component: zinc finger protein 123 (HZF-1)

[NPU41765](#)

DNA(spec.)—ZNF123 gene; seq.var. = ?

DNA(specification)—**ZNF124 gene;****sequence variation**

name of component: zinc finger protein 124 (HZF-16)

[NPU41766](#)

DNA(spec.)—ZNF124 gene; seq.var. = ?

DNA(specification)—**ZNF125 gene;****sequence variation**

name of component: zinc finger protein 125 (HZF-3)

[NPU41767](#)

DNA(spec.)—ZNF125 gene; seq.var. = ?

DNA(specification)—**ZNF126 gene;****sequence variation**

name of component: zinc finger protein 126 (HZF-2)

[NPU41768](#)

DNA(spec.)—ZNF126 gene; seq.var. = ?

DNA(specification)—**ZNF127AS gene;****sequence variation**

name of component: zinc finger protein 127, antisense

[NPU41769](#)

DNA(spec.)—ZNF127AS gene; seq.var. = ?

DNA(specification)—**ZNF128 gene;****sequence variation**

name of component: zinc finger protein 128 (HZF-4)

[NPU41770](#)

DNA(spec.)—ZNF128 gene; seq.var. = ?

DNA(specification)—**ZNF129 gene;****sequence variation**

name of component: zinc finger protein 129 (HZF-5)

[NPU41771](#)

DNA(spec.)—ZNF129 gene; seq.var. = ?

DNA(specification)—**ZNF13 gene;****sequence variation**

name of component: zinc finger protein 13 (KOX5)

[NPU41772](#)

DNA(spec.)—ZNF13 gene; seq.var. = ?

DNA(specification)—**ZNF130 gene;****sequence variation**

name of component: zinc finger protein 130 (HZF-6)

[NPU41773](#)

DNA(spec.)—ZNF130 gene; seq.var. = ?

DNA(specification)—**ZNF131 gene;****sequence variation**

name of component: zinc finger protein 131 (clone pHZ-10)

[NPU41774](#)

DNA(spec.)—ZNF131 gene; seq.var. = ?

DNA(specification)—**ZNF132 gene;****sequence variation**

name of component: zinc finger protein 132 (clone pHZ-12)

[NPU41775](#)

DNA(spec.)—ZNF132 gene; seq.var. = ?

DNA(specification)—**ZNF133 gene;****sequence variation**

name of component: zinc finger protein 133 (clone pHZ-13)

[NPU41776](#)

DNA(spec.)—ZNF133 gene; seq.var. = ?

DNA(specification)—**ZNF134 gene;****sequence variation**

name of component: zinc finger protein 134 (clone pHZ-15)

[NPU41777](#)

DNA(spec.)—ZNF134 gene; seq.var. = ?

DNA(specification)—**ZNF135 gene;****sequence variation**

name of component: zinc finger protein 135 (clone pHZ-17)

[NPU41778](#)

DNA(spec.)—ZNF135 gene; seq.var. = ?

DNA(specification)—**ZNF136 gene;****sequence variation**

name of component: zinc finger protein 136 (clone pHZ-20)

[NPU41779](#)

DNA(spec.)—ZNF136 gene; seq.var. = ?

DNA(specification)—**ZNF137 gene;****sequence variation**

name of component: zinc finger protein 137 (clone pHZ-30)

[NPU41780](#)

DNA(spec.)—ZNF137 gene; seq.var. = ?

DNA(specification)—**ZNF138 gene;****sequence variation**

name of component: zinc finger protein 138 (clone pHZ-32)

[NPU41781](#)

DNA(spec.)—ZNF138 gene; seq.var. = ?

DNA(specification)—**ZNF14 gene;****sequence variation**

name of component: zinc finger protein 14 (KOX 6)

[NPU41782](#)

DNA(spec.)—ZNF14 gene; seq.var. = ?

DNA(specification)—**ZNF140 gene;****sequence variation**

name of component: zinc finger protein 140 (clone pHZ-39)

[NPU41783](#)

DNA(spec.)—ZNF140 gene; seq.var. = ?

DNA(specification)—**ZNF141 gene;****sequence variation**

name of component: zinc finger protein 141 (clone pHZ-44)

[NPU41784](#)

DNA(spec.)—ZNF141 gene; seq.var. = ?

DNA(specification)—**ZNF142 gene;****sequence variation**

name of component: zinc finger protein 142 (clone pHZ-49)

[NPU41785](#)

DNA(spec.)—ZNF142 gene; seq.var. = ?

DNA(specification)—**ZNF143 gene;****sequence variation**

name of component: zinc finger protein 143 (clone pHZ-1)

[NPU41786](#)

DNA(spec.)—ZNF143 gene; seq.var. = ?

DNA(specification)—**ZNF145 gene;****sequence variation**

name of component: zinc finger protein 145 (Kruppel-like, expressed in promyelocytic leukemia)

[NPU41788](#)

DNA(spec.)—ZNF145 gene; seq.var. = ?

DNA(specification)—**ZNF146 gene;****sequence variation**

name of component: zinc finger protein 146

[NPU41789](#)

DNA(spec.)—ZNF146 gene; seq.var. = ?

DNA(specification)—**ZNF147 gene;****sequence variation**

name of component: zinc finger protein 147 (estrogen-responsive finger protein)

[NPU41790](#)

DNA(spec.)—ZNF147 gene; seq.var. = ?

DNA(specification)—**ZNF148 gene;****sequence variation**

name of component: zinc finger protein 148 (pHZ-52)

[NPU41791](#)

DNA(spec.)—ZNF148 gene; seq.var. = ?

DNA(specification)—**ZNF150 gene;****sequence variation**

name of component: zinc finger protein 150 (pHZ-66)

[NPU41792](#)

DNA(spec.)—ZNF150 gene; seq.var. = ?

DNA(specification)—**ZNF151 gene;****sequence variation**

name of component: zinc finger protein 151 (pHZ-67)

[NPU41793](#)

DNA(spec.)—ZNF151 gene; seq.var. = ?

DNA(specification)—**ZNF154 gene;****sequence variation**

name of component: zinc finger protein 154 (pHZ-92)

[NPU41794](#)

DNA(spec.)—ZNF154 gene; seq.var. = ?

DNA(specification)—**ZNF155 gene;****sequence variation**

name of component: zinc finger protein 155 (pHZ-96)

[NPU41795](#)

DNA(spec.)—ZNF155 gene; seq.var. = ?

DNA(specification)—**ZNF157 gene;****sequence variation**

name of component: zinc finger protein 157 (HZF22)

[NPU41796](#)

DNA(spec.)—ZNF157 gene; seq.var. = ?

DNA(specification)—**ZNF158 gene;****sequence variation**

name of component: zinc finger protein 158 (HZF23)

[NPU41797](#)

DNA(spec.)—ZNF158 gene; seq.var. = ?

DNA(specification)—**ZNF159 gene;****sequence variation**

name of component: zinc finger protein 159 (F11)

[NPU41798](#)

DNA(spec.)—ZNF159 gene; seq.var. = ?

DNA(specification)—**ZNF15L1 gene;****sequence variation**

name of component: zinc finger protein 15-like 1 (KOX 8)

[NPU41799](#)

DNA(spec.)—ZNF15L1 gene; seq.var. = ?

DNA(specification)—**ZNF15L2 gene;****sequence variation**

name of component: zinc finger protein 15-like 2 (KOX 8)

[NPU41800](#)

DNA(spec.)—ZNF15L2 gene; seq.var. = ?

DNA(specification)—**ZNF16 gene;****sequence variation**

name of component: zinc finger protein 16 (KOX 9)

[NPU41801](#)

DNA(spec.)—ZNF16 gene; seq.var. = ?

DNA(specification)—**ZNF160 gene;****sequence variation**

name of component: zinc finger protein 160

[NPU41802](#)

DNA(spec.)—ZNF160 gene; seq.var. = ?

DNA(specification)—**ZNF161 gene;****sequence variation**

name of component: zinc finger protein 161

[NPU41803](#)

DNA(spec.)—ZNF161 gene; seq.var. = ?

DNA(specification)—**ZNF164 gene;****sequence variation**

name of component: zinc finger protein 164

[NPU41805](#)

DNA(spec.)—ZNF164 gene; seq.var. = ?

DNA(specification)—**ZNF165 gene;****sequence variation**

name of component: zinc finger protein 165

[NPU41806](#)

DNA(spec.)—ZNF165 gene; seq.var. = ?

DNA(specification)—**ZNF166 gene;****sequence variation**

name of component: zinc finger protein 166

[NPU41807](#)

DNA(spec.)—ZNF166 gene; seq.var. = ?

DNA(specification)—**ZNF167 gene;****sequence variation**

name of component: zinc finger protein 167

[NPU41808](#)

DNA(spec.)—ZNF167 gene; seq.var. = ?

DNA(specification)—**ZNF168 gene;****sequence variation**

name of component: zinc finger protein 168

[NPU41809](#)

DNA(spec.)—ZNF168 gene; seq.var. = ?

DNA(specification)—**ZNF169 gene;****sequence variation**

name of component: zinc finger protein 169

[NPU41810](#)

DNA(spec.)—ZNF169 gene; seq.var. = ?

DNA(specification)—**ZNF17 gene;****sequence variation**

name of component: zinc finger protein 17 (HPF3, KOX 10)

[NPU41811](#)

DNA(spec.)—ZNF17 gene; seq.var. = ?

DNA(specification)—**ZNF170 gene;****sequence variation**

name of component: zinc finger protein 170 (clone 164)

[NPU41812](#)

DNA(spec.)—ZNF170 gene; seq.var. = ?

DNA(specification)—**ZNF171 gene;****sequence variation**

name of component: zinc finger protein 171 (clone 165)

[NPU41813](#)

DNA(spec.)—ZNF171 gene; seq.var. = ?

DNA(specification)—**ZNF172 gene;****sequence variation**

name of component: zinc finger protein 172 (clone 130)

[NPU41814](#)

DNA(spec.)—ZNF172 gene; seq.var. = ?

DNA(specification)—**ZNF174 gene;****sequence variation**

name of component: zinc finger protein 174

[NPU41816](#)

DNA(spec.)—ZNF174 gene; seq.var. = ?

DNA(specification)—**ZNF175 gene;****sequence variation**

name of component: zinc finger protein 175

[NPU41817](#)

DNA(spec.)—ZNF175 gene; seq.var. = ?

DNA(specification)—**ZNF176 gene;****sequence variation**

name of component: zinc finger protein 176

[NPU41818](#)

DNA(spec.)—ZNF176 gene; seq.var. = ?

DNA(specification)—**ZNF177 gene;****sequence variation**

name of component: zinc finger protein 177

[NPU41819](#)

DNA(spec.)—ZNF177 gene; seq.var. = ?

DNA(specification)—**ZNF178 gene;****sequence variation**

name of component: zinc finger protein 178

[NPU41820](#)

DNA(spec.)—ZNF178 gene; seq.var. = ?

DNA(specification)—**ZNF179 gene;****sequence variation**

name of component: zinc finger protein 179

[NPU41821](#)

DNA(spec.)—ZNF179 gene; seq.var. = ?

DNA(specification)—**ZNF18 gene;****sequence variation**

name of component: zinc finger protein 18 (KOX 11)

[NPU41822](#)

DNA(spec.)—ZNF18 gene; seq.var. = ?

DNA(specification)—**ZNF180 gene;****sequence variation**

name of component: zinc finger protein 180 (HHZ168)

[NPU41823](#)

DNA(spec.)—ZNF180 gene; seq.var. = ?

DNA(specification)—**ZNF181 gene;****sequence variation**

name of component: zinc finger protein 181 (HHZ181)

[NPU41824](#)

DNA(spec.)—ZNF181 gene; seq.var. = ?

DNA(specification)—**ZNF182 gene;****sequence variation**

name of component: zinc finger protein 182 (HHZ150)

[NPU41825](#)

DNA(spec.)—ZNF182 gene; seq.var. = ?

DNA(specification)—**ZNF182L gene;****sequence variation**

name of component: zinc finger protein 182-like (HHZ150)

[NPU41826](#)

DNA(spec.)—ZNF182L gene; seq.var. = ?

DNA(specification)—**ZNF183 gene;****sequence variation**

name of component: zinc finger protein 183 (RING finger, C3HC4 type)

[NPU41827](#)

DNA(spec.)—ZNF183 gene; seq.var. = ?

DNA(specification)—**ZNF183L1 gene;****sequence variation**

name of component: zinc finger protein 183-like 1

[NPU44938](#)

DNA(spec.)—ZNF183L1 gene; seq.var. = ?

DNA(specification)—**ZNF184 gene;****sequence variation**

name of component: zinc finger protein 184
(Kruppel-like)

[NPU41828](#)

DNA(spec.)—ZNF184 gene; seq.var. = ?

DNA(specification)—**ZNF185 gene;****sequence variation**

name of component: zinc finger protein 185 (LIM
domain)

[NPU41829](#)

DNA(spec.)—ZNF185 gene; seq.var. = ?

DNA(specification)—**ZNF187 gene;****sequence variation**

name of component: zinc finger protein 187

[NPU41830](#)

DNA(spec.)—ZNF187 gene; seq.var. = ?

DNA(specification)—**ZNF188 gene;****sequence variation**

name of component: zinc finger protein 188

[NPU41831](#)

DNA(spec.)—ZNF188 gene; seq.var. = ?

DNA(specification)—**ZNF189 gene;****sequence variation**

name of component: zinc finger protein 189

[NPU41832](#)

DNA(spec.)—ZNF189 gene; seq.var. = ?

DNA(specification)—**ZNF19 gene;****sequence variation**

name of component: zinc finger protein 19 (KOX
12)

[NPU41833](#)

DNA(spec.)—ZNF19 gene; seq.var. = ?

DNA(specification)—**ZNF192 gene;****sequence variation**

name of component: zinc finger protein 192

[NPU41834](#)

DNA(spec.)—ZNF192 gene; seq.var. = ?

DNA(specification)—**ZNF193 gene;****sequence variation**

name of component: zinc finger protein 193

[NPU41835](#)

DNA(spec.)—ZNF193 gene; seq.var. = ?

DNA(specification)—**ZNF194 gene;****sequence variation**

name of component: zinc finger protein 194

[NPU41836](#)

DNA(spec.)—ZNF194 gene; seq.var. = ?

DNA(specification)—**ZNF195 gene;****sequence variation**

name of component: zinc finger protein 195

[NPU41837](#)

DNA(spec.)—ZNF195 gene; seq.var. = ?

DNA(specification)—**ZNF196 gene;****sequence variation**

name of component: zinc finger protein 196

[NPU41838](#)

DNA(spec.)—ZNF196 gene; seq.var. = ?

DNA(specification)—**ZNF197 gene;****sequence variation**

name of component: zinc finger protein 197

[NPU41839](#)

DNA(spec.)—ZNF197 gene; seq.var. = ?

DNA(specification)—**ZNF198 gene;****sequence variation**

name of component: zinc finger protein 198

[NPU41840](#)

DNA(spec.)—ZNF198 gene; seq.var. = ?

DNA(specification)—**ZNF199 gene;****sequence variation**

name of component: zinc finger protein 199

[NPU41841](#)

DNA(spec.)—ZNF199 gene; seq.var. = ?

DNA(specification)—**ZNF2 gene;****sequence variation**

name of component: zinc finger protein 2 (A1-5)

[NPU41842](#)

DNA(spec.)—ZNF2 gene; seq.var. = ?

DNA(specification)—**ZNF20 gene;****sequence variation**

name of component: zinc finger protein 20 (KOX
13)

[NPU41843](#)

DNA(spec.)—ZNF20 gene; seq.var. = ?

DNA(specification)—
ZNF200 gene;
sequence variation
name of component: zinc finger protein 200
[NPU41844](#)
DNA(spec.)—ZNF200 gene; seq.var. = ?

DNA(specification)—
ZNF202 gene;
sequence variation
name of component: zinc finger protein 202
[NPU41845](#)
DNA(spec.)—ZNF202 gene; seq.var. = ?

DNA(specification)—
ZNF204 gene;
sequence variation
name of component: zinc finger protein 204
[NPU41846](#)
DNA(spec.)—ZNF204 gene; seq.var. = ?

DNA(specification)—
ZNF205 gene;
sequence variation
name of component: zinc finger protein 205
[NPU41847](#)
DNA(spec.)—ZNF205 gene; seq.var. = ?

DNA(specification)—
ZNF206 gene;
sequence variation
name of component: zinc finger protein 206
[NPU41848](#)
DNA(spec.)—ZNF206 gene; seq.var. = ?

DNA(specification)—
ZNF207 gene;
sequence variation
name of component: zinc finger protein 207
[NPU41849](#)
DNA(spec.)—ZNF207 gene; seq.var. = ?

DNA(specification)—
ZNF208 gene;
sequence variation
name of component: zinc finger protein 208
[NPU41850](#)
DNA(spec.)—ZNF208 gene; seq.var. = ?

DNA(specification)—
ZNF209 gene;
sequence variation
name of component: zinc finger protein 209 (pseudogene)
[NPU41851](#)
DNA(spec.)—ZNF209 gene; seq.var. = ?

DNA(specification)—
ZNF21 gene;
sequence variation
name of component: zinc finger protein 21 (KOX14)
[NPU41852](#)
DNA(spec.)—ZNF21 gene; seq.var. = ?

DNA(specification)—
ZNF211 gene;
sequence variation
name of component: zinc finger protein 211
[NPU41853](#)
DNA(spec.)—ZNF211 gene; seq.var. = ?

DNA(specification)—
ZNF212 gene;
sequence variation
name of component: zinc finger protein 212
[NPU41854](#)
DNA(spec.)—ZNF212 gene; seq.var. = ?

DNA(specification)—
ZNF213 gene;
sequence variation
name of component: zinc finger protein 213
[NPU41855](#)
DNA(spec.)—ZNF213 gene; seq.var. = ?

DNA(specification)—
ZNF214 gene;
sequence variation
name of component: zinc finger protein 214
[NPU41856](#)
DNA(spec.)—ZNF214 gene; seq.var. = ?

DNA(specification)—
ZNF215 gene;
sequence variation
name of component: zinc finger protein 215
[NPU41857](#)
DNA(spec.)—ZNF215 gene; seq.var. = ?

DNA(specification)—
ZNF216 gene;
sequence variation
name of component: zinc finger protein 216
[NPU41858](#)
DNA(spec.)—ZNF216 gene; seq.var. = ?

DNA(specification)—
ZNF217 gene;
sequence variation
name of component: zinc finger protein 217
[NPU41859](#)
DNA(spec.)—ZNF217 gene; seq.var. = ?

DNA(specification)—
ZNF218 gene;
sequence variation
name of component: zinc finger protein 218
[NPU41860](#)
DNA(spec.)—ZNF218 gene; seq.var. = ?

DNA(specification)—
ZNF219 gene;
sequence variation
name of component: zinc finger protein 219
[NPU41861](#)
DNA(spec.)—ZNF219 gene; seq.var. = ?

DNA(specification)—
ZNF22 gene;
sequence variation
name of component: zinc finger protein 22 (KOX 15)
[NPU41862](#)
DNA(spec.)—ZNF22 gene; seq.var. = ?

DNA(specification)—
ZNF221 gene;
sequence variation
name of component: zinc finger protein 221
[NPU41864](#)
DNA(spec.)—ZNF221 gene; seq.var. = ?

DNA(specification)—
ZNF222 gene;
sequence variation
name of component: zinc finger protein 222
[NPU41865](#)
DNA(spec.)—ZNF222 gene; seq.var. = ?

DNA(specification)—
ZNF223 gene;
sequence variation
name of component: zinc finger protein 223
[NPU41866](#)
DNA(spec.)—ZNF223 gene; seq.var. = ?

DNA(specification)—
ZNF224 gene;
sequence variation
name of component: zinc finger protein 224
[NPU41867](#)
DNA(spec.)—ZNF224 gene; seq.var. = ?

DNA(specification)—
ZNF225 gene;
sequence variation
name of component: zinc finger protein 225
[NPU41868](#)
DNA(spec.)—ZNF225 gene; seq.var. = ?

DNA(specification)—
ZNF226 gene;
sequence variation
name of component: zinc finger protein 226
[NPU41869](#)
DNA(spec.)—ZNF226 gene; seq.var. = ?

DNA(specification)—
ZNF227 gene;
sequence variation
name of component: zinc finger protein 227
[NPU41870](#)
DNA(spec.)—ZNF227 gene; seq.var. = ?

DNA(specification)—
ZNF228 gene;
sequence variation
name of component: zinc finger protein 228
[NPU41871](#)
DNA(spec.)—ZNF228 gene; seq.var. = ?

DNA(specification)—
ZNF229 gene;
sequence variation
name of component: zinc finger protein 229
[NPU41872](#)
DNA(spec.)—ZNF229 gene; seq.var. = ?

DNA(specification)—
ZNF23 gene;
sequence variation
name of component: zinc finger protein 23 (KOX 16)
[NPU41873](#)
DNA(spec.)—ZNF23 gene; seq.var. = ?

DNA(specification)—
ZNF230 gene;
sequence variation
name of component: zinc finger protein 230
[NPU41874](#)
DNA(spec.)—ZNF230 gene; seq.var. = ?

DNA(specification)—
ZNF232 gene;
sequence variation
name of component: zinc finger protein 232
[NPU41875](#)
DNA(spec.)—ZNF232 gene; seq.var. = ?

DNA(specification)—
ZNF234 gene;
sequence variation
name of component: zinc finger protein 234
[NPU41876](#)
DNA(spec.)—ZNF234 gene; seq.var. = ?

DNA(specification)—
ZNF235 gene;
sequence variation
name of component: zinc finger protein 235
[NPU41725](#)
DNA(spec.)—ZNF235 gene; seq.var. = ?

DNA(specification)—
ZNF236 gene;
sequence variation
name of component: zinc finger protein 236
[NPU41877](#)
DNA(spec.)—ZNF236 gene; seq.var. = ?

DNA(specification)—
ZNF237 gene;
sequence variation
name of component: zinc finger protein 237
[NPU41878](#)
DNA(spec.)—ZNF237 gene; seq.var. = ?

DNA(specification)—
ZNF238 gene;
sequence variation
name of component: zinc finger protein 238
[NPU41879](#)
DNA(spec.)—ZNF238 gene; seq.var. = ?

DNA(specification)—
ZNF239 gene;
sequence variation
name of component: zinc finger protein 239
[NPU41880](#)
DNA(spec.)—ZNF239 gene; seq.var. = ?

DNA(specification)—
ZNF24 gene;
sequence variation
name of component: zinc finger protein 24 (KOX 17)
[NPU41881](#)
DNA(spec.)—ZNF24 gene; seq.var. = ?

DNA(specification)—
ZNF240 gene;
sequence variation
name of component: zinc finger protein 240
[NPU41882](#)
DNA(spec.)—ZNF240 gene; seq.var. = ?

DNA(specification)—
ZNF241 gene;
sequence variation
name of component: zinc finger protein 241
[NPU41883](#)
DNA(spec.)—ZNF241 gene; seq.var. = ?

DNA(specification)—
ZNF242 gene;
sequence variation
name of component: zinc finger protein 242
[NPU41884](#)
DNA(spec.)—ZNF242 gene; seq.var. = ?

DNA(specification)—
ZNF243 gene;
sequence variation
name of component: zinc finger protein 243
[NPU41885](#)
DNA(spec.)—ZNF243 gene; seq.var. = ?

DNA(specification)—
ZNF244 gene;
sequence variation
name of component: zinc finger protein 244
[NPU41886](#)
DNA(spec.)—ZNF244 gene; seq.var. = ?

DNA(specification)—
ZNF245 gene;
sequence variation
name of component: zinc finger protein 245
[NPU41887](#)
DNA(spec.)—ZNF245 gene; seq.var. = ?

DNA(specification)—
ZNF246 gene;
sequence variation
name of component: zinc finger protein 246
[NPU41888](#)
DNA(spec.)—ZNF246 gene; seq.var. = ?

DNA(specification)—
ZNF247 gene;
sequence variation
name of component: zinc finger protein 247
[NPU41889](#)
DNA(spec.)—ZNF247 gene; seq.var. = ?

DNA(specification)—
ZNF248 gene;
sequence variation
name of component: zinc finger protein 248
[NPU41890](#)
DNA(spec.)—ZNF248 gene; seq.var. = ?

DNA(specification)—
ZNF249 gene;
sequence variation
name of component: zinc finger protein 249
[NPU41891](#)
DNA(spec.)—ZNF249 gene; seq.var. = ?

DNA(specification)—
ZNF25 gene;
sequence variation
name of component: zinc finger protein 25 (KOX 19)
[NPU41892](#)
DNA(spec.)—ZNF25 gene; seq.var. = ?

DNA(specification)—
ZNF250 gene;
sequence variation
name of component: zinc finger protein 250
[NPU41893](#)
DNA(spec.)—ZNF250 gene; seq.var. = ?

DNA(specification)—
ZNF251 gene;
sequence variation
name of component: zinc finger protein 251
[NPU41894](#)
DNA(spec.)—ZNF251 gene; seq.var. = ?

DNA(specification)—
ZNF252 gene;
sequence variation
name of component: zinc finger protein 252
[NPU41895](#)
DNA(spec.)—ZNF252 gene; seq.var. = ?

DNA(specification)—
ZNF253 gene;
sequence variation
name of component: zinc finger protein 253
[NPU42152](#)
DNA(spec.)—ZNF253 gene; seq.var. = ?

DNA(specification)—
ZNF254 gene;
sequence variation
name of component: zinc finger protein 254
[NPU41896](#)
DNA(spec.)—ZNF254 gene; seq.var. = ?

DNA(specification)—
ZNF255 gene;
sequence variation
name of component: zinc finger protein 255
[NPU41897](#)
DNA(spec.)—ZNF255 gene; seq.var. = ?

DNA(specification)—
ZNF256 gene;
sequence variation
name of component: zinc finger protein 256
[NPU41898](#)
DNA(spec.)—ZNF256 gene; seq.var. = ?

DNA(specification)—
ZNF257 gene;
sequence variation
name of component: zinc finger protein 257
[NPU42153](#)
DNA(spec.)—ZNF257 gene; seq.var. = ?

DNA(specification)—
ZNF258 gene;
sequence variation
name of component: zinc finger protein 258
[NPU41899](#)
DNA(spec.)—ZNF258 gene; seq.var. = ?

DNA(specification)—
ZNF259 gene;
sequence variation
name of component: zinc finger protein 259
[NPU41900](#)
DNA(spec.)—ZNF259 gene; seq.var. = ?

DNA(specification)—
ZNF259P gene;
sequence variation
name of component: zinc finger protein 259, pseudogene
[NPU41901](#)
DNA(spec.)—ZNF259P gene; seq.var. = ?

DNA(specification)—
ZNF26 gene;
sequence variation
name of component: zinc finger protein 26 (KOX 20)
[NPU41902](#)
DNA(spec.)—ZNF26 gene; seq.var. = ?

DNA(specification)—
ZNF261 gene;
sequence variation
name of component: zinc finger protein 261
[NPU41903](#)
DNA(spec.)—ZNF261 gene; seq.var. = ?

DNA(specification)—
ZNF262 gene;
sequence variation
name of component: zinc finger protein 262
[NPU41904](#)
DNA(spec.)—ZNF262 gene; seq.var. = ?

DNA(specification)—
ZNF263 gene;
sequence variation
name of component: zinc finger protein 263
[NPU41905](#)
DNA(spec.)—ZNF263 gene; seq.var. = ?

DNA(specification)—
ZNF264 gene;
sequence variation
name of component: zinc finger protein 264
[NPU41906](#)
DNA(spec.)—ZNF264 gene; seq.var. = ?

DNA(specification)—
ZNF265 gene;
sequence variation
name of component: zinc finger protein 265
[NPU41907](#)
DNA(spec.)—ZNF265 gene; seq.var. = ?

DNA(specification)—
ZNF266 gene;
sequence variation
name of component: zinc finger protein 266
[NPU41908](#)
DNA(spec.)—ZNF266 gene; seq.var. = ?

DNA(specification)—
ZNF267 gene;
sequence variation
name of component: zinc finger protein 267
[NPU41909](#)
DNA(spec.)—ZNF267 gene; seq.var. = ?

DNA(specification)—
ZNF268 gene;
sequence variation
name of component: zinc finger protein 268
[NPU41910](#)
DNA(spec.)—ZNF268 gene; seq.var. = ?

DNA(specification)—
ZNF27 gene;
sequence variation
name of component: zinc finger protein 27 (KOX 22)
[NPU41911](#)
DNA(spec.)—ZNF27 gene; seq.var. = ?

DNA(specification)—
ZNF271 gene;
sequence variation
name of component: zinc finger protein 271
[NPU41912](#)
DNA(spec.)—ZNF271 gene; seq.var. = ?

DNA(specification)—
ZNF272 gene;
sequence variation
name of component: zinc finger protein 272
[NPU41913](#)
DNA(spec.)—ZNF272 gene; seq.var. = ?

DNA(specification)—
ZNF273 gene;
sequence variation
name of component: zinc finger protein 273
[NPU41914](#)
DNA(spec.)—ZNF273 gene; seq.var. = ?

DNA(specification)—
ZNF274 gene;
sequence variation
name of component: zinc finger protein 274
[NPU41915](#)
DNA(spec.)—ZNF274 gene; seq.var. = ?

DNA(specification)—
ZNF275 gene;
sequence variation
name of component: zinc finger protein 275
[NPU41916](#)
DNA(spec.)—ZNF275 gene; seq.var. = ?

DNA(specification)—
ZNF277 gene;
sequence variation
name of component: zinc finger protein (C2H2 type) 277
[NPU41917](#)
DNA(spec.)—ZNF277 gene; seq.var. = ?

DNA(specification)—
ZNF278 gene;
sequence variation
name of component: zinc finger protein 278
[NPU41918](#)
DNA(spec.)—ZNF278 gene; seq.var. = ?

DNA(specification)—
ZNF279 gene;
sequence variation
name of component: zinc finger protein 279
[NPU41919](#)
DNA(spec.)—ZNF279 gene; seq.var. = ?

DNA(specification)—
ZNF28 gene;
sequence variation
name of component: zinc finger protein 28 (KOX 24)
[NPU41920](#)
DNA(spec.)—ZNF28 gene; seq.var. = ?

DNA(specification)—
ZNF280 gene;
sequence variation
name of component: zinc finger protein 280
[NPU41921](#)
DNA(spec.)—ZNF280 gene; seq.var. = ?

DNA(specification)—
ZNF281 gene;
sequence variation
name of component: zinc finger protein 281
[NPU41922](#)
DNA(spec.)—ZNF281 gene; seq.var. = ?

DNA(specification)—
ZNF282 gene;
sequence variation
name of component: zinc finger protein 282
[NPU41923](#)
DNA(spec.)—ZNF282 gene; seq.var. = ?

DNA(specification)—
ZNF283 gene;
sequence variation
name of component: zinc finger protein 283
[NPU41924](#)
DNA(spec.)—ZNF283 gene; seq.var. = ?

DNA(specification)—
ZNF284 gene;
sequence variation
name of component: zinc finger protein 284
[NPU41925](#)
DNA(spec.)—ZNF284 gene; seq.var. = ?

DNA(specification)—
ZNF285 gene;
sequence variation
name of component: zinc finger protein 285
[NPU41926](#)
DNA(spec.)—ZNF285 gene; seq.var. = ?

DNA(specification)—
ZNF286 gene;
sequence variation
name of component: zinc finger protein 286
[NPU42154](#)
DNA(spec.)—ZNF286 gene; seq.var. = ?

DNA(specification)—
ZNF287 gene;
sequence variation
name of component: zinc finger protein 287
[NPU42155](#)
DNA(spec.)—ZNF287 gene; seq.var. = ?

DNA(specification)—
ZNF288 gene;
sequence variation
name of component: zinc finger protein 288
[NPU42156](#)
DNA(spec.)—ZNF288 gene; seq.var. = ?

DNA(specification)—
ZNF289 gene;
sequence variation
name of component: zinc finger protein 289, ID1 regulated
[NPU42157](#)
DNA(spec.)—ZNF289 gene; seq.var. = ?

DNA(specification)—
ZNF29 gene;
sequence variation
name of component: zinc finger protein 29 (KOX 26)
[NPU41927](#)
DNA(spec.)—ZNF29 gene; seq.var. = ?

DNA(specification)—
ZNF291 gene;
sequence variation
name of component: zinc finger protein 291
[NPU41928](#)
DNA(spec.)—ZNF291 gene; seq.var. = ?

DNA(specification)—
ZNF292 gene;
sequence variation
name of component: zinc finger protein 292
[NPU46455](#)
DNA(spec.)—ZNF292 gene; seq.var. = ?

DNA(specification)—
ZNF294 gene;
sequence variation
name of component: zinc finger protein 294
[NPU41929](#)
DNA(spec.)—ZNF294 gene; seq.var. = ?

DNA(specification)—
ZNF295 gene;
sequence variation
name of component: zinc finger protein 295
[NPU41930](#)
DNA(spec.)—ZNF295 gene; seq.var. = ?

DNA(specification)—
ZNF296 gene;
sequence variation
name of component: zinc finger protein 296
[NPU41931](#)
DNA(spec.)—ZNF296 gene; seq.var. = ?

DNA(specification)—
ZNF297 gene;
sequence variation
name of component: zinc finger protein 297
[NPU41932](#)
DNA(spec.)—ZNF297 gene; seq.var. = ?

DNA(specification)—
ZNF297B gene;
sequence variation
name of component: zinc finger protein 297B
[NPU46168](#)
DNA(spec.)—ZNF297B gene; seq.var. = ?

DNA(specification)—
ZNF299 gene;
sequence variation
name of component: zinc finger protein 299
[NPU41933](#)
DNA(spec.)—ZNF299 gene; seq.var. = ?

DNA(specification)—
ZNF299P gene;
sequence variation
name of component: zinc finger protein 299 pseudogene
[NPU41934](#)
DNA(spec.)—ZNF299P gene; seq.var. = ?

DNA(specification)—
ZNF3 gene;
sequence variation
name of component: zinc finger protein 3 (A8-51)
[NPU41935](#)
DNA(spec.)—ZNF3 gene; seq.var. = ?

DNA(specification)—
ZNF30 gene;
sequence variation
name of component: zinc finger protein 30 (KOX 28)
[NPU41936](#)
DNA(spec.)—ZNF30 gene; seq.var. = ?

DNA(specification)—
ZNF300 gene;
sequence variation
name of component: zinc finger protein 300
[NPU41937](#)
DNA(spec.)—ZNF300 gene; seq.var. = ?

DNA(specification)—
ZNF301 gene;
sequence variation
name of component: zinc finger protein 301
[NPU41938](#)
DNA(spec.)—ZNF301 gene; seq.var. = ?

DNA(specification)—
ZNF302 gene;
sequence variation
name of component: zinc finger protein 302
[NPU42355](#)
DNA(spec.)—ZNF302 gene; seq.var. = ?

DNA(specification)—
ZNF304 gene;
sequence variation
name of component: zinc finger protein 304
[NPU42158](#)
DNA(spec.)—ZNF304 gene; seq.var. = ?

DNA(specification)—
ZNF305 gene;
sequence variation
name of component: zinc finger protein 305
[NPU42356](#)
DNA(spec.)—ZNF305 gene; seq.var. = ?

DNA(specification)—
ZNF306 gene;
sequence variation
name of component: zinc finger protein 306
[NPU42358](#)
DNA(spec.)—ZNF306 gene; seq.var. = ?

DNA(specification)—
ZNF31 gene;
sequence variation
name of component: zinc finger protein 31 (KOX 29)
[NPU41939](#)
DNA(spec.)—ZNF31 gene; seq.var. = ?

DNA(specification)—
ZNF313 gene;
sequence variation
name of component: zinc finger protein 313
[NPU41940](#)
DNA(spec.)—ZNF313 gene; seq.var. = ?

DNA(specification)—
ZNF317 gene;
sequence variation
name of component: zinc finger protein 317
[NPU42159](#)
DNA(spec.)—ZNF317 gene; seq.var. = ?

DNA(specification)—
ZNF318 gene;
sequence variation
name of component: zinc finger protein 318
[NPU42204](#)
DNA(spec.)—ZNF318 gene; seq.var. = ?

DNA(specification)—
ZNF319 gene;
sequence variation
name of component: zinc finger protein 319
[NPU42252](#)
DNA(spec.)—ZNF319 gene; seq.var. = ?

DNA(specification)—**ZNF32 gene;****sequence variation**

name of component: zinc finger protein 32 (KOX 30)

[NPU41941](#)

DNA(spec.)—ZNF32 gene; seq.var. = ?

DNA(specification)—**ZNF321 gene;****sequence variation**

name of component: zinc finger protein 321

[NPU42348](#)

DNA(spec.)—ZNF321 gene; seq.var. = ?

DNA(specification)—**ZNF322 gene;****sequence variation**

name of component: zinc finger protein 322

[NPU42439](#)

DNA(spec.)—ZNF322 gene; seq.var. = ?

DNA(specification)—**ZNF323 gene;****sequence variation**

name of component: zinc finger protein 323

[NPU42506](#)

DNA(spec.)—ZNF323 gene; seq.var. = ?

DNA(specification)—**ZNF324 gene;****sequence variation**

name of component: zinc finger protein 324

[NPU42505](#)

DNA(spec.)—ZNF324 gene; seq.var. = ?

DNA(specification)—**ZNF325 gene;****sequence variation**

name of component: zinc finger protein 325

[NPU42504](#)

DNA(spec.)—ZNF325 gene; seq.var. = ?

DNA(specification)—**ZNF326 gene;****sequence variation**

name of component: zinc finger protein 326

[NPU42512](#)

DNA(spec.)—ZNF326 gene; seq.var. = ?

DNA(specification)—**ZNF328 gene;****sequence variation**

name of component: zinc finger protein 328

[NPU42591](#)

DNA(spec.)—ZNF328 gene; seq.var. = ?

DNA(specification)—**ZNF329 gene;****sequence variation**

name of component: zinc finger protein 329

[NPU42592](#)

DNA(spec.)—ZNF329 gene; seq.var. = ?

DNA(specification)—**ZNF334 gene;****sequence variation**

name of component: zinc finger protein 334

[NPU43913](#)

DNA(spec.)—ZNF334 gene; seq.var. = ?

DNA(specification)—**ZNF335 gene;****sequence variation**

name of component: zinc finger protein 335

[NPU43914](#)

DNA(spec.)—ZNF335 gene; seq.var. = ?

DNA(specification)—**ZNF336 gene;****sequence variation**

name of component: zinc finger protein 336

[NPU43915](#)

DNA(spec.)—ZNF336 gene; seq.var. = ?

DNA(specification)—**ZNF337 gene;****sequence variation**

name of component: zinc finger protein 337

[NPU43916](#)

DNA(spec.)—ZNF337 gene; seq.var. = ?

DNA(specification)—**ZNF338 gene;****sequence variation**

name of component: zinc finger protein 338

[NPU43917](#)

DNA(spec.)—ZNF338 gene; seq.var. = ?

DNA(specification)—**ZNF339 gene;****sequence variation**

name of component: zinc finger protein 339

[NPU43911](#)

DNA(spec.)—ZNF339 gene; seq.var. = ?

DNA(specification)—**ZNF33A gene;****sequence variation**

name of component: zinc finger protein 33a (KOX 31)

[NPU41942](#)

DNA(spec.)—ZNF33A gene; seq.var. = ?

DNA(specification)—
ZNF33B gene;
sequence variation
name of component: zinc finger protein 33b (KOX 31)
[NPU41943](#)
DNA(spec.)—ZNF33B gene; seq.var. = ?

DNA(specification)—
ZNF34 gene;
sequence variation
name of component: zinc finger protein 34 (KOX 32)
[NPU41944](#)
DNA(spec.)—ZNF34 gene; seq.var. = ?

DNA(specification)—
ZNF341 gene;
sequence variation
name of component: zinc finger protein 341
[NPU44066](#)
DNA(spec.)—ZNF341 gene; seq.var. = ?

DNA(specification)—
ZNF342 gene;
sequence variation
name of component: zinc finger protein 342
[NPU44058](#)
DNA(spec.)—ZNF342 gene; seq.var. = ?

DNA(specification)—
ZNF343 gene;
sequence variation
name of component: zinc finger protein 343
[NPU44085](#)
DNA(spec.)—ZNF343 gene; seq.var. = ?

DNA(specification)—
ZNF345 gene;
sequence variation
name of component: zinc finger protein 345
[NPU44378](#)
DNA(spec.)—ZNF345 gene; seq.var. = ?

DNA(specification)—
ZNF347 gene;
sequence variation
name of component: zinc finger protein 347
[NPU44444](#)
DNA(spec.)—ZNF347 gene; seq.var. = ?

DNA(specification)—
ZNF35 gene;
sequence variation
name of component: zinc finger protein 35 (clone HF.10)
[NPU41945](#)
DNA(spec.)—ZNF35 gene; seq.var. = ?

DNA(specification)—
ZNF350 gene;
sequence variation
name of component: zinc finger protein 350
[NPU44624](#)
DNA(spec.)—ZNF350 gene; seq.var. = ?

DNA(specification)—
ZNF354A gene;
sequence variation
name of component: zinc finger protein 354A
[NPU40651](#)
DNA(spec.)—ZNF354A gene; seq.var. = ?

DNA(specification)—
ZNF354B gene;
sequence variation
name of component: zinc finger protein 354B
[NPU44910](#)
DNA(spec.)—ZNF354B gene; seq.var. = ?

DNA(specification)—
ZNF354C gene;
sequence variation
name of component: zinc finger protein 354C
[NPU44666](#)
DNA(spec.)—ZNF354C gene; seq.var. = ?

DNA(specification)—
ZNF358 gene;
sequence variation
name of component: zinc finger protein 358
[NPU44733](#)
DNA(spec.)—ZNF358 gene; seq.var. = ?

DNA(specification)—
ZNF35P gene;
sequence variation
name of component: zinc finger protein 35 (clone HF.10) pseudogene
[NPU41946](#)
DNA(spec.)—ZNF35P gene; seq.var. = ?

DNA(specification)—
ZNF36 gene;
sequence variation
name of component: zinc finger protein 36 (KOX 18)
[NPU41947](#)
DNA(spec.)—ZNF36 gene; seq.var. = ?

DNA(specification)—
ZNF360 gene;
sequence variation
name of component: zinc finger protein 360
[NPU46158](#)
DNA(spec.)—ZNF360 gene; seq.var. = ?

DNA(specification)—**ZNF362 gene;****sequence variation**

name of component: zinc finger protein 362

[NPU46269](#)

DNA(spec.)—ZNF362 gene; seq.var. = ?

DNA(specification)—**ZNF363 gene;****sequence variation**

name of component: zinc finger protein 363

[NPU46032](#)

DNA(spec.)—ZNF363 gene; seq.var. = ?

DNA(specification)—**ZNF364 gene;****sequence variation**

name of component: zinc finger protein 364

[NPU46330](#)

DNA(spec.)—ZNF364 gene; seq.var. = ?

DNA(specification)—**ZNF366 gene;****sequence variation**

name of component: zinc finger protein 366

[NPU46398](#)

DNA(spec.)—ZNF366 gene; seq.var. = ?

DNA(specification)—**ZNF367 gene;****sequence variation**

name of component: zinc finger protein 367

[NPU46402](#)

DNA(spec.)—ZNF367 gene; seq.var. = ?

DNA(specification)—**ZNF37A gene;****sequence variation**

name of component: zinc finger protein 37a (KOX 21)

[NPU41948](#)

DNA(spec.)—ZNF37A gene; seq.var. = ?

DNA(specification)—**ZNF37B gene;****sequence variation**

name of component: zinc finger protein 37b (KOX 21)

[NPU41949](#)

DNA(spec.)—ZNF37B gene; seq.var. = ?

DNA(specification)—**ZNF38 gene;****sequence variation**

name of component: zinc finger protein 38

[NPU41950](#)

DNA(spec.)—ZNF38 gene; seq.var. = ?

DNA(specification)—**ZNF381P gene;****sequence variation**

name of component: zinc finger protein 381, Y-linked pseudogene

[NPU46543](#)

DNA(spec.)—ZNF381P gene; seq.var. = ?

DNA(specification)—**ZNF384 gene;****sequence variation**

name of component: zinc finger protein 384

[NPU40916](#)

DNA(spec.)—ZNF384 gene; seq.var. = ?

DNA(specification)—**ZNF394 gene;****sequence variation**

name of component: zinc finger protein 394

[NPU46691](#)

DNA(spec.)—ZNF394 gene; seq.var. = ?

DNA(specification)—**ZNF396 gene;****sequence variation**

name of component: zinc finger protein 396

[NPU46685](#)

DNA(spec.)—ZNF396 gene; seq.var. = ?

DNA(specification)—**ZNF397 gene;****sequence variation**

name of component: zinc finger protein 397

[NPU46680](#)

DNA(spec.)—ZNF397 gene; seq.var. = ?

DNA(specification)—**ZNF398 gene;****sequence variation**

name of component: zinc finger protein 398

[NPU46432](#)

DNA(spec.)—ZNF398 gene; seq.var. = ?

DNA(specification)—**ZNF39L1 gene;****sequence variation**

name of component: zinc finger protein 39-like 1 (KOX 27)

[NPU41951](#)

DNA(spec.)—ZNF39L1 gene; seq.var. = ?

DNA(specification)—**ZNF39L2 gene;****sequence variation**

name of component: zinc finger protein 39-like 2 (KOX 27)

[NPU41952](#)

DNA(spec.)—ZNF39L2 gene; seq.var. = ?

DNA(specification)—
ZNF402P gene;
sequence variation
name of component: zinc finger protein 402 pseudogene
[NPU46958](#)
DNA(spec.)—ZNF402P gene; seq.var. = ?

DNA(specification)—
ZNF404 gene;
sequence variation
name of component: zinc finger protein 404
[NPU47026](#)
DNA(spec.)—ZNF404 gene; seq.var. = ?

DNA(specification)—
ZNF405P gene;
sequence variation
name of component: zinc finger protein 405 pseudogene
[NPU47243](#)
DNA(spec.)—ZNF405P gene; seq.var. = ?

DNA(specification)—
ZNF406 gene;
sequence variation
name of component: zinc finger protein 406
[NPU47300](#)
DNA(spec.)—ZNF406 gene; seq.var. = ?

DNA(specification)—
ZNF407 gene;
sequence variation
name of component: zinc finger protein 407
[NPU47302](#)
DNA(spec.)—ZNF407 gene; seq.var. = ?

DNA(specification)—
ZNF408 gene;
sequence variation
name of component: zinc finger protein 408
[NPU47382](#)
DNA(spec.)—ZNF408 gene; seq.var. = ?

DNA(specification)—
ZNF409 gene;
sequence variation
name of component: zinc finger protein 409
[NPU47383](#)
DNA(spec.)—ZNF409 gene; seq.var. = ?

DNA(specification)—
ZNF41 gene;
sequence variation
name of component: zinc finger protein 41
[NPU41953](#)
DNA(spec.)—ZNF41 gene; seq.var. = ?

DNA(specification)—
ZNF416 gene;
sequence variation
name of component: zinc finger protein 416
[NPU47701](#)
DNA(spec.)—ZNF416 gene; seq.var. = ?

DNA(specification)—
ZNF417 gene;
sequence variation
name of component: zinc finger protein 417
[NPU47702](#)
DNA(spec.)—ZNF417 gene; seq.var. = ?

DNA(specification)—
ZNF418 gene;
sequence variation
name of component: zinc finger protein 418
[NPU47703](#)
DNA(spec.)—ZNF418 gene; seq.var. = ?

DNA(specification)—
ZNF419 gene;
sequence variation
name of component: zinc finger protein 419
[NPU47704](#)
DNA(spec.)—ZNF419 gene; seq.var. = ?

DNA(specification)—
ZNF42 gene;
sequence variation
name of component: zinc finger protein 42 (myeloid-specific retinoic acid-responsive)
[NPU41954](#)
DNA(spec.)—ZNF42 gene; seq.var. = ?

DNA(specification)—
ZNF420 gene;
sequence variation
name of component: zinc finger protein 420
[NPU47705](#)
DNA(spec.)—ZNF420 gene; seq.var. = ?

DNA(specification)—
ZNF424 gene;
sequence variation
name of component: zinc finger protein 424
[NPU47717](#)
DNA(spec.)—ZNF424 gene; seq.var. = ?

DNA(specification)—
ZNF425 gene;
sequence variation
name of component: zinc finger protein 425
[NPU47718](#)
DNA(spec.)—ZNF425 gene; seq.var. = ?

DNA(specification)—**ZNF426 gene;****sequence variation**

name of component: zinc finger protein 426

[NPU47735](#)

DNA(spec.)—ZNF426 gene; seq.var. = ?

DNA(specification)—**ZNF427 gene;****sequence variation**

name of component: zinc finger protein 427

[NPU47742](#)

DNA(spec.)—ZNF427 gene; seq.var. = ?

DNA(specification)—**ZNF429 gene;****sequence variation**

name of component: zinc finger protein 429

[NPU47772](#)

DNA(spec.)—ZNF429 gene; seq.var. = ?

DNA(specification)—**ZNF43 gene;****sequence variation**

name of component: zinc finger protein 43 (HTF6)

[NPU41955](#)

DNA(spec.)—ZNF43 gene; seq.var. = ?

DNA(specification)—**ZNF430 gene;****sequence variation**

name of component: zinc finger protein 430

[NPU47763](#)

DNA(spec.)—ZNF430 gene; seq.var. = ?

DNA(specification)—**ZNF431 gene;****sequence variation**

name of component: zinc finger protein 431

[NPU47764](#)

DNA(spec.)—ZNF431 gene; seq.var. = ?

DNA(specification)—**ZNF432 gene;****sequence variation**

name of component: zinc finger protein 432

[NPU47765](#)

DNA(spec.)—ZNF432 gene; seq.var. = ?

DNA(specification)—**ZNF433 gene;****sequence variation**

name of component: zinc finger protein 433

[NPU47766](#)

DNA(spec.)—ZNF433 gene; seq.var. = ?

DNA(specification)—**ZNF434 gene;****sequence variation**

name of component: zinc finger protein 434

[NPU47767](#)

DNA(spec.)—ZNF434 gene; seq.var. = ?

DNA(specification)—**ZNF435 gene;****sequence variation**

name of component: zinc finger protein 435

[NPU47768](#)

DNA(spec.)—ZNF435 gene; seq.var. = ?

DNA(specification)—**ZNF436 gene;****sequence variation**

name of component: zinc finger protein 436

[NPU47769](#)

DNA(spec.)—ZNF436 gene; seq.var. = ?

DNA(specification)—**ZNF439 gene;****sequence variation**

name of component: zinc finger protein 439

[NPU47790](#)

DNA(spec.)—ZNF439 gene; seq.var. = ?

DNA(specification)—**ZNF44 gene;****sequence variation**

name of component: zinc finger protein 44 (KOX 7)

[NPU41956](#)

DNA(spec.)—ZNF44 gene; seq.var. = ?

DNA(specification)—**ZNF440 gene;****sequence variation**

name of component: zinc finger protein 440

[NPU47791](#)

DNA(spec.)—ZNF440 gene; seq.var. = ?

DNA(specification)—**ZNF441 gene;****sequence variation**

name of component: zinc finger protein 441

[NPU47792](#)

DNA(spec.)—ZNF441 gene; seq.var. = ?

DNA(specification)—**ZNF442 gene;****sequence variation**

name of component: zinc finger protein 442

[NPU47793](#)

DNA(spec.)—ZNF442 gene; seq.var. = ?

DNA(specification)—**ZNF443 gene;****sequence variation**

name of component: zinc finger protein 443

[NPU47794](#)

DNA(spec.)—ZNF443 gene; seq.var. = ?

DNA(specification)—**ZNF444 gene;****sequence variation**

name of component: zinc finger protein 444

[NPU44109](#)

DNA(spec.)—ZNF444 gene; seq.var. = ?

DNA(specification)—**ZNF45 gene;****sequence variation**

name of component: zinc finger protein 45 (a Kruppel-associated box (KRAB) domain polypeptide)

[NPU41957](#)

DNA(spec.)—ZNF45 gene; seq.var. = ?

DNA(specification)—**ZNF450 gene;****sequence variation**

name of component: zinc finger protein 450

[NPU47877](#)

DNA(spec.)—ZNF450 gene; seq.var. = ?

DNA(specification)—**ZNF452 gene;****sequence variation**

name of component: zinc finger protein 452

[NPU42357](#)

DNA(spec.)—ZNF452 gene; seq.var. = ?

DNA(specification)—**ZNF46 gene;****sequence variation**

name of component: zinc finger protein 46 (KUP)

[NPU41958](#)

DNA(spec.)—ZNF46 gene; seq.var. = ?

DNA(specification)—**ZNF47 gene;****sequence variation**

name of component: zinc finger protein 47

[NPU41959](#)

DNA(spec.)—ZNF47 gene; seq.var. = ?

DNA(specification)—**ZNF48 gene;****sequence variation**

name of component: zinc finger protein 48

[NPU41960](#)

DNA(spec.)—ZNF48 gene; seq.var. = ?

DNA(specification)—**ZNF49 gene;****sequence variation**

name of component: zinc finger protein 49

[NPU41961](#)

DNA(spec.)—ZNF49 gene; seq.var. = ?

DNA(specification)—**ZNF50 gene;****sequence variation**

name of component: zinc finger protein 50

[NPU41962](#)

DNA(spec.)—ZNF50 gene; seq.var. = ?

DNA(specification)—**ZNF52 gene;****sequence variation**

name of component: zinc finger protein 52

[NPU41963](#)

DNA(spec.)—ZNF52 gene; seq.var. = ?

DNA(specification)—**ZNF53A gene;****sequence variation**

name of component: zinc finger protein 53a

[NPU41964](#)

DNA(spec.)—ZNF53A gene; seq.var. = ?

DNA(specification)—**ZNF53B gene;****sequence variation**

name of component: zinc finger protein 53b

[NPU41965](#)

DNA(spec.)—ZNF53B gene; seq.var. = ?

DNA(specification)—**ZNF54A gene;****sequence variation**

name of component: zinc finger protein 54a

[NPU41966](#)

DNA(spec.)—ZNF54A gene; seq.var. = ?

DNA(specification)—**ZNF54B gene;****sequence variation**

name of component: zinc finger protein 54b

[NPU41967](#)

DNA(spec.)—ZNF54B gene; seq.var. = ?

DNA(specification)—**ZNF55 gene;****sequence variation**

name of component: zinc finger protein 55

[NPU41968](#)

DNA(spec.)—ZNF55 gene; seq.var. = ?

DNA(specification)—**ZNF56 gene;****sequence variation**

name of component: zinc finger protein 56

[NPU41969](#)

DNA(spec.)—ZNF56 gene; seq.var. = ?

DNA(specification)—**ZNF57 gene;****sequence variation**

name of component: zinc finger protein 57

[NPU41970](#)

DNA(spec.)—ZNF57 gene; seq.var. = ?

DNA(specification)—**ZNF58 gene;****sequence variation**

name of component: zinc finger protein 58

[NPU41971](#)

DNA(spec.)—ZNF58 gene; seq.var. = ?

DNA(specification)—**ZNF59 gene;****sequence variation**

name of component: zinc finger protein 59

[NPU41972](#)

DNA(spec.)—ZNF59 gene; seq.var. = ?

DNA(specification)—**ZNF6 gene;****sequence variation**name of component: zinc finger protein 6
(CMPX1)[NPU41973](#)

DNA(spec.)—ZNF6 gene; seq.var. = ?

DNA(specification)—**ZNF60 gene;****sequence variation**

name of component: zinc finger protein 60

[NPU41974](#)

DNA(spec.)—ZNF60 gene; seq.var. = ?

DNA(specification)—**ZNF61 gene;****sequence variation**

name of component: zinc finger protein 61

[NPU41975](#)

DNA(spec.)—ZNF61 gene; seq.var. = ?

DNA(specification)—**ZNF62 gene;****sequence variation**

name of component: zinc finger protein 62

[NPU41976](#)

DNA(spec.)—ZNF62 gene; seq.var. = ?

DNA(specification)—**ZNF63 gene;****sequence variation**

name of component: zinc finger protein 63

[NPU41977](#)

DNA(spec.)—ZNF63 gene; seq.var. = ?

DNA(specification)—**ZNF64 gene;****sequence variation**

name of component: zinc finger protein 64

[NPU41978](#)

DNA(spec.)—ZNF64 gene; seq.var. = ?

DNA(specification)—**ZNF65 gene;****sequence variation**

name of component: zinc finger protein 65

[NPU41979](#)

DNA(spec.)—ZNF65 gene; seq.var. = ?

DNA(specification)—**ZNF66 gene;****sequence variation**

name of component: zinc finger protein 66

[NPU41980](#)

DNA(spec.)—ZNF66 gene; seq.var. = ?

DNA(specification)—**ZNF67 gene;****sequence variation**

name of component: zinc finger protein 67

[NPU41981](#)

DNA(spec.)—ZNF67 gene; seq.var. = ?

DNA(specification)—**ZNF68 gene;****sequence variation**

name of component: zinc finger protein 68

[NPU41982](#)

DNA(spec.)—ZNF68 gene; seq.var. = ?

DNA(specification)—**ZNF69 gene;****sequence variation**

name of component: zinc finger protein 69 (Cos5)

[NPU41983](#)

DNA(spec.)—ZNF69 gene; seq.var. = ?

DNA(specification)—**ZNF7 gene;****sequence variation**name of component: zinc finger protein 7 (KOX 4,
clone HF.16)[NPU41984](#)

DNA(spec.)—ZNF7 gene; seq.var. = ?

DNA(specification)—**ZNF70 gene;****sequence variation**

name of component: zinc finger protein 70 (Cos17)

[NPU41985](#)

DNA(spec.)—ZNF70 gene; seq.var. = ?

DNA(specification)—**ZNF71 gene;****sequence variation**

name of component: zinc finger protein 71 (Cos26)

[NPU41986](#)

DNA(spec.)—ZNF71 gene; seq.var. = ?

DNA(specification)—**ZNF72 gene;****sequence variation**

name of component: zinc finger protein 72 (Cos8)

[NPU41987](#)

DNA(spec.)—ZNF72 gene; seq.var. = ?

DNA(specification)—**ZNF73 gene;****sequence variation**

name of component: zinc finger protein 73 (Cos12)

[NPU41988](#)

DNA(spec.)—ZNF73 gene; seq.var. = ?

DNA(specification)—**ZNF74 gene;****sequence variation**

name of component: zinc finger protein 74 (Cos52)

[NPU41989](#)

DNA(spec.)—ZNF74 gene; seq.var. = ?

DNA(specification)—**ZNF75 gene;****sequence variation**

name of component: zinc finger protein 75 (D8C6)

[NPU41990](#)

DNA(spec.)—ZNF75 gene; seq.var. = ?

DNA(specification)—**ZNF75A gene;****sequence variation**

name of component: zinc finger protein 75a

[NPU41991](#)

DNA(spec.)—ZNF75A gene; seq.var. = ?

DNA(specification)—**ZNF75B gene;****sequence variation**

name of component: zinc finger protein 75b

[NPU41992](#)

DNA(spec.)—ZNF75B gene; seq.var. = ?

DNA(specification)—**ZNF75C gene;****sequence variation**

name of component: zinc finger protein 75c

[NPU41993](#)

DNA(spec.)—ZNF75C gene; seq.var. = ?

DNA(specification)—**ZNF76 gene;****sequence variation**

name of component: zinc finger protein 76 (expressed in testis)

[NPU41994](#)

DNA(spec.)—ZNF76 gene; seq.var. = ?

DNA(specification)—**ZNF77 gene;****sequence variation**

name of component: zinc finger protein 77 (pT1)

[NPU41995](#)

DNA(spec.)—ZNF77 gene; seq.var. = ?

DNA(specification)—**ZNF78L1 gene;****sequence variation**

name of component: zinc finger protein 78-like 1 (pT3)

[NPU41996](#)

DNA(spec.)—ZNF78L1 gene; seq.var. = ?

DNA(specification)—**ZNF78L2 gene;****sequence variation**

name of component: zinc finger protein 78-like 2 (pT3)

[NPU41997](#)

DNA(spec.)—ZNF78L2 gene; seq.var. = ?

DNA(specification)—**ZNF79 gene;****sequence variation**

name of component: zinc finger protein 79 (pT7)

[NPU41998](#)

DNA(spec.)—ZNF79 gene; seq.var. = ?

DNA(specification)—**ZNF8 gene;****sequence variation**

name of component: zinc finger protein 8 (clone HF.18)

[NPU41999](#)

DNA(spec.)—ZNF8 gene; seq.var. = ?

DNA(specification)—**ZNF80 gene;****sequence variation**

name of component: zinc finger protein 80 (pT17)

[NPU42000](#)

DNA(spec.)—ZNF80 gene; seq.var. = ?

DNA(specification)—**ZNF81 gene;****sequence variation**

name of component: zinc finger protein 81 (HFZ20)

[NPU42001](#)

DNA(spec.)—ZNF81 gene; seq.var. = ?

DNA(specification)—**ZNF83 gene;****sequence variation**

name of component: zinc finger protein 83 (HPF1)

[NPU42002](#)

DNA(spec.)—ZNF83 gene; seq.var. = ?

DNA(specification)—**ZNF84 gene;****sequence variation**

name of component: zinc finger protein 84 (HPF2)

[NPU42003](#)

DNA(spec.)—ZNF84 gene; seq.var. = ?

DNA(specification)—**ZNF85 gene;****sequence variation**

name of component: zinc finger protein 85 (HPF4, HTF1)

[NPU42004](#)

DNA(spec.)—ZNF85 gene; seq.var. = ?

DNA(specification)—**ZNF86 gene;****sequence variation**

name of component: zinc finger protein 86 (HPF5)

[NPU42005](#)

DNA(spec.)—ZNF86 gene; seq.var. = ?

DNA(specification)—**ZNF87 gene;****sequence variation**

name of component: zinc finger protein 87 (HPF6)

[NPU42006](#)

DNA(spec.)—ZNF87 gene; seq.var. = ?

DNA(specification)—**ZNF88 gene;****sequence variation**

name of component: zinc finger protein 88 (HPF8)

[NPU42007](#)

DNA(spec.)—ZNF88 gene; seq.var. = ?

DNA(specification)—**ZNF9 gene;****sequence variation**

name of component: zinc finger protein 9 (a cellular retroviral nucleic acid binding protein)

[NPU42008](#)

DNA(spec.)—ZNF9 gene; seq.var. = ?

DNA(specification)—**ZNF9 gene(MIM116955.0001);****entitic number(0 1 2)**

NPU19303

DNA(spec.)—ZNF9 gene(MIM116955.0001); entitic num.(0 1 2) = ?

DNA(specification)—**ZNF90 gene;****sequence variation**

name of component: zinc finger protein 90 (HTF9)

[NPU42009](#)

DNA(spec.)—ZNF90 gene; seq.var. = ?

DNA(specification)—**ZNF91 gene;****sequence variation**

name of component: zinc finger protein 91 (HPF7, HTF10)

[NPU42010](#)

DNA(spec.)—ZNF91 gene; seq.var. = ?

DNA(specification)—**ZNF92 gene;****sequence variation**

name of component: zinc finger protein 92 (HTF12)

[NPU42011](#)

DNA(spec.)—ZNF92 gene; seq.var. = ?

DNA(specification)—**ZNF93 gene;****sequence variation**

name of component: zinc finger protein 93 (HTF34)

[NPU42012](#)

DNA(spec.)—ZNF93 gene; seq.var. = ?

DNA(specification)—**ZNF94 gene;****sequence variation**

name of component: zinc finger protein 94 (F11465)

[NPU42013](#)

DNA(spec.)—ZNF94 gene; seq.var. = ?

DNA(specification)—**ZNF95 gene;****sequence variation**

name of component: zinc finger protein 95 (F13463)

[NPU42014](#)

DNA(spec.)—ZNF95 gene; seq.var. = ?

DNA(specification)—**ZNF97 gene;****sequence variation**

name of component: zinc finger protein 97 (F6644)

[NPU42015](#)

DNA(spec.)—ZNF97 gene; seq.var. = ?

DNA(specification)—**ZNF98 gene;****sequence variation**

name of component: zinc finger protein 98 (F7175)

[NPU42016](#)

DNA(spec.)—ZNF98 gene; seq.var. = ?

DNA(specification)—**ZNF99 gene;****sequence variation**

name of component: zinc finger protein 99 (F8281)

[NPU42017](#)

DNA(spec.)—ZNF99 gene; seq.var. = ?

DNA(specification)—**ZNFN1A1 gene;****sequence variation**

name of component: zinc finger protein, subfamily 1A, 1 (Ikaros)

[NPU42018](#)

DNA(spec.)—ZNFN1A1 gene; seq.var. = ?

DNA(specification)—**ZNFN1A2 gene;****sequence variation**

name of component: zinc finger protein, subfamily 1A, 2 (Helios)

[NPU42019](#)

DNA(spec.)—ZNFN1A2 gene; seq.var. = ?

DNA(specification)—**ZNFN1A3 gene;****sequence variation**

name of component: zinc finger protein, subfamily 1A, 3 (Aiolos)

[NPU42020](#)

DNA(spec.)—ZNFN1A3 gene; seq.var. = ?

DNA(specification)—**ZNFN1A4 gene;****sequence variation**

name of component: zinc finger protein, subfamily 1A, 4 (Eos)

[NPU42021](#)

DNA(spec.)—ZNFN1A4 gene; seq.var. = ?

DNA(specification)—**ZNFP1 gene;****sequence variation**

name of component: zinc finger protein pseudogene 1

[NPU42023](#)

DNA(spec.)—ZNFP1 gene; seq.var. = ?

DNA(specification)—**ZNRD1 gene;****sequence variation**

name of component: zinc ribbon domain containing, 1

[NPU42024](#)

DNA(spec.)—ZNRD1 gene; seq.var. = ?

DNA(specification)—**ZP1 gene;****sequence variation**

name of component: zona pellucida glycoprotein 1 (sperm receptor)

[NPU42025](#)

DNA(spec.)—ZP1 gene; seq.var. = ?

DNA(specification)—**ZP2 gene;****sequence variation**

name of component: zona pellucida glycoprotein 2 (sperm receptor)

[NPU42026](#)

DNA(spec.)—ZP2 gene; seq.var. = ?

DNA(specification)—**ZP3 gene;****sequence variation**

name of component: zona pellucida glycoprotein 3 (sperm receptor)

[NPU42027](#)

DNA(spec.)—ZP3 gene; seq.var. = ?

DNA(specification)—**ZP4 gene;****sequence variation**

name of component: zona pellucida glycoprotein 4

[NPU43887](#)

DNA(spec.)—ZP4 gene; seq.var. = ?

DNA(specification)—**ZPBP gene;****sequence variation**

name of component: zona pellucida binding protein

[NPU43805](#)

DNA(spec.)—ZPBP gene; seq.var. = ?

DNA(specification)—**ZRANB1 gene;****sequence variation**

name of component: zinc finger, RAN-binding domain containing 1

[NPU46350](#)

DNA(spec.)—ZRANB1 gene; seq.var. = ?

DNA(specification)—**ZRF1 gene;****sequence variation**

name of component: zuotin related factor 1

[NPU42028](#)

DNA(spec.)—ZRF1 gene; seq.var. = ?

- DNA(specification)—**
ZW10 gene;
sequence variation
name of component: ZW10 homolog, centromere/kinetochore protein (*Drosophila*)
[NPU42029](#)
DNA(spec.)—ZW10 gene; seq.var. = ?
- DNA(specification)—**
ZWINT gene;
sequence variation
name of component: ZW10 interactor
[NPU42030](#)
DNA(spec.)—ZWINT gene; seq.var. = ?
- DNA(specification)—**
ZWINTAS gene;
sequence variation
name of component: ZW10 interactor anti-sense
[NPU42031](#)
DNA(spec.)—ZWINTAS gene; seq.var. = ?
- DNA(specification)—**
ZWS1 gene;
sequence variation
name of component: Zellweger syndrome 1
[NPU42032](#)
DNA(spec.)—ZWS1 gene; seq.var. = ?
- DNA(specification)—**
ZXDA gene;
sequence variation
name of component: zinc finger, X-linked, duplicated A
[NPU42033](#)
DNA(spec.)—ZXDA gene; seq.var. = ?
- DNA(specification)—**
ZXDB gene;
sequence variation
name of component: zinc finger, X-linked, duplicated B
[NPU42034](#)
DNA(spec.)—ZXDB gene; seq.var. = ?
- DNA(specification)—**
ZYX gene;
sequence variation
name of component: zyxin
[NPU42035](#)
DNA(spec.)—ZYX gene; seq.var. = ?