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PubMed Search

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Resource List (A-Z)

- All Resources
- Chemicals & Bioassays
- Data & Software
- DNA & RNA
- Domains & Structures
- Genes & Expression
- Genetics & Medicine
- Genomes & Maps
- Homology
- Literature


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The National Center for Biotechnology Information advances science and health by providing access to biomedical and genomic information.

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Popular Resources

- PubMed
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- Genome
- SNP
- Gene
- Protein
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https://www.ncbi.nlm.nih.gov/myncbi/

My Bibliography

Your bibliography contains no items.

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Collection Name	Items	Settings/Sharing	Type
Favorites	edit 0	Private	Standard
My Bibliography	edit 0	Private	Standard
Other Citations	edit 0	Private	Standard

[Manage Collections >](#)

Recent Activity

Time	Database	Type	Term
02-Dec-2018	GEO DataSets	search	gse1292
02-Dec-2018	GEO DataSets	search	(age) AND "Homo sapiens"[porgn]
02-Dec-2018	Books	record	Saving and Managing Searches - My N...
23-Sep-2018	GEO DataSets	search	age
13-Sep-2018		record	Ventricular cardiomyocytes generate...

Filters

Filters for: PubMed

You do not have any active filters for this database.

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<https://www.ncbi.nlm.nih.gov/gene>

Gene

Gene integrates information from a wide range of species. A record may include nomenclature, Reference Sequences (RefSeqs), maps, pathways, variations, phenotypes, and links to genome-, phenotype-, and locus-specific resources worldwide.

Using Gene	Gene Tools	Other Resources
Gene Quick Start	Submit GeneRIFs	HomoloGene
FAQ	Submit Correction	OMIM
Download/FTP	Statistics	RefSeq
RefSeq Mailing List	BLAST	RefSeqGene
Gene News	Genome Workbench	UniGene
Factsheet	Splign	Protein Clusters

Representative queries

Find genes by... **Search text**

free text [human muscular dystrophy](#)

chromosome and symbol [\[\(chr1 OR 2\(chr1\) AND adh*|sym\]](#)

partial name and multiple species [\[cys1|ferox\] AND \[transposon|dita\] AND \["Drosophila melanogaster"\] OR \["Lucifer musculus"\] OR \["](#)

[\(100:500\[Sequence Length\]\)](#)
[Pseudomonas protegens strain](#)

[https://www.ncbi.nlm.nih.gov/nucore/?term=\(100%3A500\)](https://www.ncbi.nlm.nih.gov/nucore/?term=(100%3A500))

NCBI Resources How To shamim_cst My NCBI Sign Out

Nucleotide Nucleotide (100:500[Sequence Length]) Search

Create alert Advanced Help

Species Summary 20 per page Sort by Default order Send to: Filters: [Manage Filters](#)

- Animals (48,828,064)
- Plants (15,828,337)
- Fungi (1,688,023)
- Protists (2,175,116)
- Bacteria (11,415,384)
- Archaea (185,564)
- Viruses (710,489)
- Customize ...

Molecule types

- genomic
- DNA/RNA (34,420,754)
- mRNA (13,214,649)
- rRNA (149,224)
- Customize ...

Source databases

- INSDC (GenBank) (75,822,800)

Items: 1 to 20 of 84729980 << First < Prev Page 1 of 4236499 Next > Last >>

Found 122282759 nucleotide sequences. Nucleotide (84729980) EST (28322278) GSS (9230501)

- [Pseudomonas protegens strain Guan-Hong Wang](#)
 1. [NODE_104_length_317_cov_15.9474, whole genome shotgun sequence](#)
 317 bp linear DNA
 Accession: NZ_PISQ01000104.1 GI: 1532014665
[GenBank](#) [FASTA](#) [Graphics](#)
- [Pseudomonas protegens strain Guan-Hong Wang](#)
 2. [NODE_103_length_351_cov_16.6429, whole genome shotgun sequence](#)
 351 bp linear DNA
 Accession: NZ_PISQ01000103.1 GI: 1532014664

Results by taxon

Top Organisms [Tree](#)

- [Anolis carolinensis \(6549845\)](#)
- [Homo sapiens \(3553664\)](#)
- [uncultured bacterium \(3159218\)](#)
- [Hordeum vulgare \(2076249\)](#)
- [Chinchilla lanigera \(1398337\)](#)
- [All other taxa \(67992667\)](#)
- More...

Find related data

Database: Select

Find items

[\(100:500\[Sequence Length\]\)](#) - | X Pseudomonas protegens strain X +

https://www.ncbi.nlm.nih.gov/nuccore/NZ_PISQ01000104.1 110%

Pseudomonas protegens strain Guan-Hong Wang

NODE_104_length_317_cov_15.9474, whole genome shotgun sequence

NCBI Reference Sequence: NZ_PISQ01000104.1

[FASTA](#) [Graphics](#)

Go to:

LOCUS NZ_PISQ01000104 317 bp DNA linear CON 08-DEC-2018
DEFINITION Pseudomonas protegens strain Guan-Hong Wang
 NODE_104_length_317_cov_15.9474, whole genome shotgun sequence.
ACCESSION NZ_PISQ01000104 [NZ_PISQ00000000](#)
VERSION NZ_PISQ01000104.1
DBLINK BioProject: [PRJNA224116](#)
 BioSample: [SAMN07821517](#)
 Assembly: [GCF_003863915.1](#)
KEYWORDS WGS; RefSeq.
SOURCE Pseudomonas protegens
ORGANISM [Pseudomonas protegens](#)
 Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales;
 Pseudomonadaceae; Pseudomonas.
REFERENCE 1 (bases 1 to 317)
AUTHORS Brucker, R.M.

Change region shown
 Customize view
 Analyze this sequence
 Run BLAST
 Pick Primers
 Highlight Sequence Features
 Find in this Sequence
 Recent activity
 Turn Off Clear
 Pseudomonas protegens strain Guan-Hong Wang Nucleotide
 (100 : 500[Sequence Length] (84729980) Nucleotide
 (100 : 500[Sequence Length]) AND ""beta 1"[Gene Name] (0) Nucleotide

[g1p3 AND \(response element](#) | [Protein Links for Nucleotide](#) | [38422 - Identical Protein Group](#) | X +

[https://www.ncbi.nlm.nih.gov/nuccore/?term=g1p3 AND \(re](https://www.ncbi.nlm.nih.gov/nuccore/?term=g1p3 AND (re) 110%

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Nucleotide

[Create alert](#) [Advanced](#) [Help](#)

Species Animals (8) Customize ...
Molecule types genomic DNA/RNA (4) mRNA (4) Customize ...
Source databases INSDC (GenBank) (2) RefSeq (6) Customize ...
Sequence length Custom range...
Release date Custom range...

Summary 20 per page Sort by Default order Send to: **Filters: Manage Filters**

See [IFI6 \(G1P3\) interferon alpha inducible protein 6](#) in the Gene database
[g1p3 reference sequences](#) [Transcript \(4\)](#) [Protein \(4\)](#)

Items: 8

- [Homo sapiens chromosome 1, GRCh38.p12 Primary Assembly](#)
 248,956,422 bp linear DNA
 Accession: NC_000001.11 GI: 568815597
[Assembly](#) [BioProject](#) [Protein](#) [PubMed](#) [Taxonomy](#)
[GenBank](#) [FASTA](#) [Graphics](#)
- [Homo sapiens chromosome 1, whole genome shotgun sequence](#)
 222,388,987 bp linear DNA
 Accession: CM000252.1 GI: 74273681
[BioProject](#) [BioSample](#) [Protein](#) [PubMed](#) [Taxonomy](#)

Results by taxon
 Top Organisms [\[Tree\]](#)
 Homo sapiens (7)
 Pan troglodytes (1)

Analyze these sequences
 Run BLAST

Find related data
 Database: Select

g1p3 AND (response element OR promoter) | Protein Links for Nucleotide (5) | 38422 - Identical Protein Group | +

https://www.ncbi.nlm.nih.gov/nucleotide/?term=g1p3 AND (re) | 110%

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Nucleotide | Nucleotide | g1p3 AND (response element OR promoter) | Search | Create alert | Advanced | Help

Species: Animals (8), Customize ...

Molecule types: genomic DNA/RNA (4), mRNA (4), Customize ...

Source databases: INSDC (GenBank) (2), RefSeq (6), Customize ...

Sequence length: Custom range...

Release date: Custom range...

Summary | 20 per page | Sort by Default order | Send to: | Filters: Manage Filters

See [IFI6 \(G1P3\) interferon alpha inducible protein 6](#) in the Gene database
[g1p3 reference sequences](#) [Transcript \(4\)](#) [Protein \(4\)](#)

Items: 8

- [Homo sapiens chromosome 1, GRCh38.p12 Primary Assembly](#)
 248,956,422 bp linear DNA
 Accession: NC_000001.11 | GI: 568815597
[Assembly](#) [BioProject](#) [Protein](#) [PubMed](#) [Taxonomy](#)
[GenBank](#) [FASTA](#) [Graphics](#)
- [Homo sapiens chromosome 1, whole genome shotgun sequence](#)
 222,388,987 bp linear DNA
 Accession: CM000252.1 | GI: 74273681
[BioSample](#) [Protein](#) [PubMed](#) [Taxonomy](#)

Results by taxon
 Top Organisms [Tree]
 Homo sapiens (7)
 Pan troglodytes (1)

Analyze these sequences
 Run BLAST

Find related data
 Database: Select
 Find items

https://www.ncbi.nlm.nih.gov/nucleotide/CM000252.1 | [BioSample](#) [Protein](#) [PubMed](#) [Taxonomy](#)

g1p3 AND (response element OR promoter) | Protein Links for Nucleotide (5) | 38422 - Identical Protein Group | +

https://www.ncbi.nlm.nih.gov/nucleotide/?term=g1p3 AND (re) | 110%

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Nucleotide | Nucleotide | g1p3 AND (response element OR promoter) | Search | Create alert | Advanced | Help

Species: Animals (8), Customize ...

Molecule types: genomic DNA/RNA (4), mRNA (4), Customize ...

Source databases: INSDC (GenBank) (2), RefSeq (6), Customize ...

Sequence length: Custom range...

Release date: Custom range...

Revision date: Custom range...

Clear all | Show additional filters

Summary | 20 per page | Sort by Default order | Send to: | Filters: Manage Filters

See [IFI6 \(G1P3\) interferon alpha inducible protein 6](#) in the Gene database
[g1p3 reference sequences](#) [Transcript \(4\)](#) [Protein \(4\)](#)

Items: 8

- [Homo sapiens chromosome 1, whole genome shotgun sequence](#)
 222,388,987 bp linear DNA
 Accession: CM000252.1 | GI: 74273681
[BioProject](#) [BioSample](#) [Protein](#) [PubMed](#) [Taxonomy](#)
[GenBank](#) [FASTA](#) [Graphics](#)
- [Homo sapiens 211000035844098 genomic scaffold, whole genome shotgun sequence](#)
 57,745,789 bp linear DNA
 Accession: CH471059.2 | GI: 74230049
[BioProject](#) [BioSample](#) [Protein](#) [PubMed](#) [Taxonomy](#)
[GenBank](#) [FASTA](#) [Graphics](#)
- [Pan troglodytes isolate Yerkes chimp pedigree #C0471 \(Clint\) chromosome 1, Clint_PTRv2, whole genome shotgun sequence](#)
 224,244,399 bp linear DNA
 Accession: NC_036879.1 | GI: 1348313360
[Assembly](#) [BioProject](#) [BioSample](#) [Protein](#) [Taxonomy](#)
[GenBank](#) [FASTA](#) [Graphics](#)

Find related data
 Database: Select
 Find items

Search details
 g1p3[All Fields] AND (response element[All Fields] OR promoter[All Fields])
 Search | See more...

Recent activity
 Turn Off | Clear
 g1p3 AND (response element OR promoter) (8) | Nucleotide
 g1p3[All Fields] AND ("response elements"[MeSH Terms] OR

g1p3 AND (response element) x Protein Links for Nucleotide (S... x 38422 - Identical Protein Group x

https://www.ncbi.nlm.nih.gov/ipg/XP_024307845.1 90%

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Identical Protein Groups Identical Protein Search Advanced Help

Identical Protein Groups Send to:

unnamed protein product

GenPept FASTA Graphics BLAST

Name: unnamed protein product
 RefSeq Selected Product: XP_024307845.1, 157 amino acids
 Taxonomic Group: primates
 Assembly Accessions: 1
 Protein Accessions: 5
 CDS Regions: 5
 Total Rows: 5

Source	CDS Region in Nucleotide	Protein	Name	Organism	Strain	Assembly
RefSeq	NC_000001.11 148772640-148784492 (-)	XP_024307845.1		Homo sapiens		GCF_000001405.38
RefSeq	NC_000001.11 149345760-149357612 (+)	XP_016858547.1		Homo sapiens		GCF_000001405.38
RefSeq	NC_000001.11 149345760-149357612 (+)	XP_016858548.1		Homo sapiens		GCF_000001405.38
RefSeq	NC_000001.11 149345760-149357612 (+)	XP_016858549.1		Homo sapiens		GCF_000001405.38

Taxonomic Groups
 primates [1] [Top Organisms](#)

Recent activity
 Turn Off Clear

- Protein Links for Nucleotide (Select 568815597) (11321) Protein
- g1p3 AND (response element OR promoter) (8) Nucleotide
- g1p3[All Fields] AND ("response elements"[MeSH Terms] OR ("respo... (1 PNC
- G1P3, an IFN-induced survival factor, antagonizes TRAIL-induced apoptosis in
- Pseudomonas protegens strain Guan-Hong Wang Nucleotide

See more...

11:50 11-12-18

to the latest version of the sequence.

The two systems of identifiers run in parallel to each other. That is, when any change is made to a sequence, it both receives a new GI number, and the version part of its accession number is incremented by 1.

For example, here is the [sequence revision history of Reference Sequence Human Chromosome 1](#), as of October 2014:

Accession.Version	gi	Date
NC_000001.11	568815597	Feb 3, 2014 11:01 PM
NC_000001.10	224589800	Aug 13, 2013 12:15 PM
NC_000001.10	224589800	Mar 5, 2013 02:59 PM
NC_000001.10	224589800	Mar 5, 2013 02:13 PM
NC_000001.10	224589800	Mar 3, 2013 10:59 PM
NC_000001.10	224589800	Oct 30, 2012 08:39 PM
NC_000001.10	224589800	Jul 24, 2012 03:18 PM
NC_000001.10	224589800	Jul 29, 2011 05:58 AM
NC_000001.10	224589800	Oct 25, 2010 05:33 PM
NC_000001.10	224589800	Jun 10, 2009 04:09 PM
NC_000001.9	89161185	Mar 3, 2008 05:58 PM
NC_000001.9	89161185	Aug 30, 2006 12:10 PM
NC_000001.9	89161185	Mar 3, 2006 05:23 PM
NC_000001.8	51511461	Oct 25, 2004 02:33 PM

GenBank Nucleotide

GenBank Submit Genomes WGS Metagenomes TPA TSA INSDC Other

Sequence Identifiers

Many sequences have two types of identification numbers, *GI* and *VERSION*. The two identifier types differ in format, and were implemented at different times.

GI numbers

A *GI* number (for GenInfo Identifier, sometimes written in lower case, "gi") is a simple series of digits that are assigned consecutively to each sequence record processed by NCBI. The GI number bears no resemblance to the Version number of the sequence record. Each time a sequence record is changed, it is assigned a new GI number.

A *nucleotide sequence GI number* is shown in the *VERSION* field of the database record. A *protein sequence GI number* is shown in the *VERSION* field of a protein database record, and is cross-referenced in the *CDS/db_xref* field of a nucleotide database record.

Sequence Versions

A sequence *Version* groups all of the gi numbers for a specific sequence into an ordered series. A sequence version number consists of a base Accession number, a dot, and a version suffix that starts with 1.1. (This identifier is often referred to as an "accession dot version".) The base Accession number identifies the sequence record, and the version suffixes form the series of versions, starting with 1.1. A sequence Accession number without a version suffix always refers to the latest version of the sequence.

The two systems of identifiers run in parallel to each other. That is, when any change is made to a sequence, it both receives a new GI number, and the version part of its accession number is incremented by 1.

Search NCBI databases

Help

all[filter] Search

Results found in 39 databases for "all[filter]"

Literature

Books	509,092	books and reports
MeSH	263,919	ontology used for PubMed indexing
NLM Catalog	1,544,867	books, journals and more in the NLM Collections
PubMed	26,077,776	scientific & medical abstracts/citations
PubMed Central	3,942,576	full-text journal articles

Health

ClinVar	140,560	human variations of clinical significance
dbGaP	216,812	genotype/phenotype interaction studies
GTR	34,338	genetic testing registry
MedGen	288,466	medical genetics literature and links
OMIM	24,437	online mendelian inheritance in man
PubMed Health	62,565	clinical effectiveness, disease and drug reports

Genomes

Assembly	85,786	genome assembly information
BioProject	177,333	biological projects providing data to NCBI
BioSample	4,710,305	descriptions of biological source materials
Clone	37,486,015	genomic and cDNA clones
dbVar	4,693,301	genome structural variation studies
Genome	16,443	genome sequencing projects by organism
GSS	39,518,073	genome survey sequences
Nucleotide	204,712,631	DNA and RNA sequences
Probe	32,392,659	sequence-based probes and primers
SNP	774,407,218	short genetic variations
SRA	2,560,356	high-throughput DNA and RNA sequence read archive
Taxonomy	1,575,072	taxonomic classification and nomenclature catalog

Genes

EST	76,176,725	expressed sequence tag sequences
Gene	23,647,902	collected information about gene loci
GEO DataSets	1,895,235	functional genomics studies
GEO Profiles	108,708,851	gene expression and molecular abundance profiles
HomoloGene	141,268	homologous gene sets for selected organisms
PopSet	250,954	sequence sets from phylogenetic and population studies
UniGene	6,473,284	clusters of expressed transcripts

Proteins

Conserved Domains	50,648	conserved protein domains
Protein	290,286,470	protein sequences
Protein Clusters	820,546	sequence similarity-based protein clusters
Structure	118,410	experimentally-determined biomolecular structures

Chemicals

BioSystems	867,042	molecular pathways with links to genes, proteins and chemicals
PubChem BioAssay	1,218,630	bioactivity screening studies
PubChem Compound	89,162,175	chemical information with structures, information and links
PubChem Substance	219,814,579	deposited substance and chemical information



Search NCBI

all[Filter].

Search

NCBI Databases

Results found in 37 databases for all[Filter].

Literature

Bookshelf	688,424
MeSH	277,878
NLM Catalog	1,591,413
PubMed	29,155,232
PubMed Central	5,278,959

Genes

Gene	22,628,981
GEO DataSets	2,909,575
GEO Profiles	128,414,055
HomoloGene	141,268
PopSet	314,419
UniGene	6,473,284

Genetics

ClinVar	473,445
dbGaP	1,218
dbSNP	672,043,185
dbVar	5,227,847
GTR	55,703
MedGen	307,359
OMIM	25,754

Proteins

Conserved Domains 56,066

Genomes

Assembly 222,702

Chemicals

BioStructure 983,968

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https://www.ncbi.nlm.nih.gov/gene?cmd=search&term=BRCA1[sym] 130%

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Gene Search

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Gene sources Genomic

Categories: Alternatively spliced, Annotated genes, Protein-coding

Sequence content: CCDS, Ensembl, RefSeq, RefSeqGene

Status

Tabular 20 per page Sort by Relevance Send to: Hide sidebar >>

Filters: Manage Filters

Search results

Items: 1 to 20 of 258 << First < Prev Page 1 of 13 Next > Last >>

[See also 2 discontinued or replaced items.](#)

Name/Gene ID	Description	Location	Aliases
<input type="checkbox"/> BRCA1 ID: 672	BRCA1, DNA repair associated [<i>Homo sapiens</i> (human)]	Chromosome 17, NC_000017.11 (43044295..43125483, complement)	BRCA1, BRCC, BROVCA1, F, IRIS, PNCA4, PPP1R53, PS, RNF53

Results by taxon

Top Organisms [Tree](#)

- Homo sapiens (1)
- Gorilla gorilla (1)
- Pan troglodytes (1)
- Pan paniscus (1)
- Pongo abelii (1)
- All other taxa (253)

[More...](#)

Find related data

EN 11:23 13-12-18

National Center for Biotechnology Information | Home - Gene - NCBI | BRCA1 BRCA1, DNA repair associated

https://www.ncbi.nlm.nih.gov/gene

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Gene (BRCA1[sym]) AND "Homo sapiens"[porgn:__txid9606] Search

Full Report ▾ Send to: ▾ Hide sidebar >>

Showing Current items.

BRCA1 BRCA1, DNA repair associated [*Homo sapiens* (human)]

Gene ID: 672, updated on 9-Dec-2018

Summary

Official Symbol BRCA1 provided by HGNC

Official Full Name BRCA1, DNA repair associated provided by HGNC

Primary source HGNC:HGNC:1100

See related [Ensembl:ENSG0000012048](#) [MIM:113705](#)

Gene type protein coding

RefSeq status REVIEWED

Organism [Homo sapiens](#)

Lineage Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Haplorhini; Catarrhini; Hominidae; Homo

Also known as IRIS; PSCP; BRCAI; BRCC1; FANCS; PNCA4; RNF53; BROVCA1; PPP1R53

Table of contents

- Summary
- Genomic context
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- Interactions
- General gene information
 - Markers, Related pseudogene(s), Potential readthrough, Homology, Gene Ontology

EN 11:47 13-12-18

BLAST: Basic Local Alignment Search Tool

NCBI Blast:BRCA1_search_v1

https://blast.ncbi.nlm.nih.gov/Blast.cgi

U.S. National Library of Medicine | NCBI National Center for Biotechnology Information

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BLAST®

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Basic Local Alignment Search Tool

BLAST finds regions of similarity between biological sequences. The program compares nucleotide or protein sequences to sequence databases and calculates the statistical significance. [Learn more](#)

NEWS

IgBLAST version 1.12 is now available
 IgBLAST facilitates the analysis of immunoglobulin and T cell receptor variable domain sequences.
 Thu, 06 Dec 2018 09:00:00 EST [More BLAST news...](#)

Web BLAST

Nucleotide BLAST
nucleotide to nucleotide

blastx
translated nucleotide to protein

tblastn
protein to translated nucleotide

Protein BLAST
protein to protein

BLAST Genomes

Human Mouse Rat

Microbes

BLAST: Basic Local Alignment Search Tool

NCBI Blast:BRCA1_search_v1

https://blast.ncbi.nlm.nih.gov/Blast.cgi

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blastx » RID-13XKW588014 Home Recent Results Saved Strategies Help

BLAST Results

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Job title: BRCA1_search_v1

RID 13XKW588014 (Expires on 12-14 13:04 pm)	Database Name nr
Query ID Icl Query_14030	Description All non-redundant GenBank CDS translations+PDB+SwissProt+PIR+PRF excluding environmental samples from WGS projects
Description None	Program BLASTX 2.8.1+ Citation
Molecule type nucleic acid	
Query Length 271	

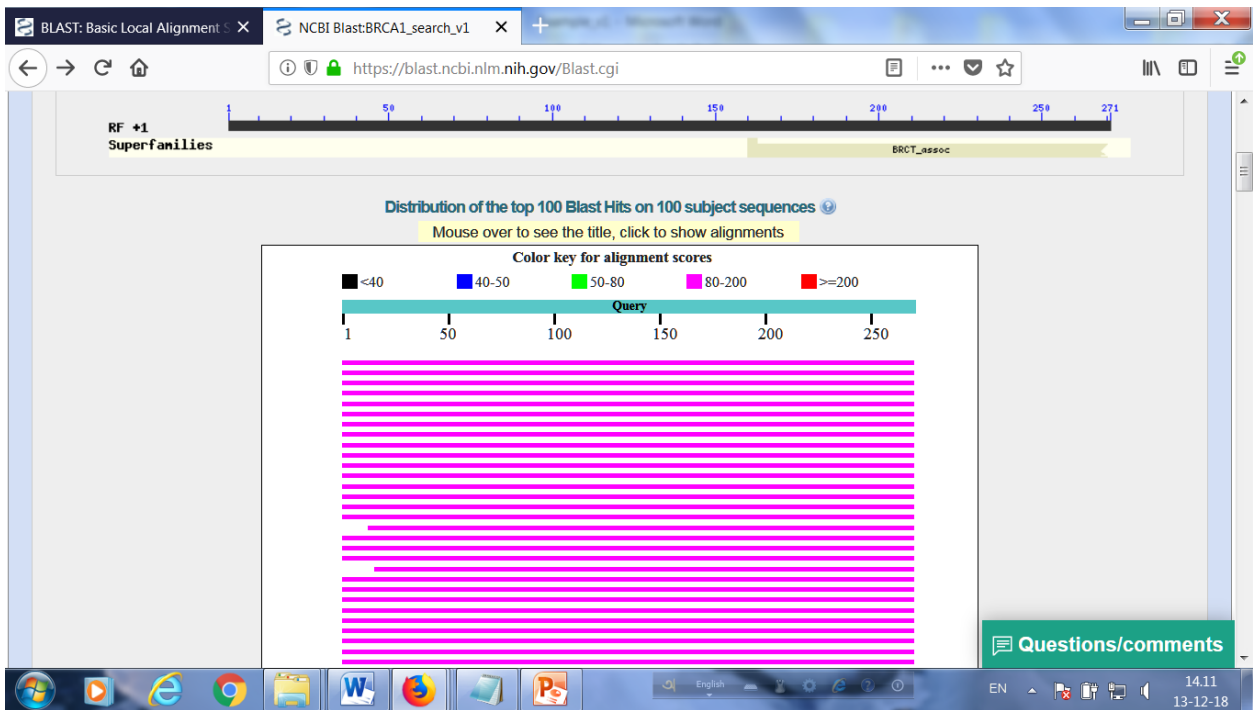
Other reports: [Search Summary](#) [Taxonomy reports](#)

Graphic Summary

Show Conserved Domains

Putative conserved domains have been detected, click on the image below for detailed results

[Questions/comments](#)



BLAST: Basic Local Alignment Search Tool

NCBI Blast:BRCA1_search_v1

https://blast.ncbi.nlm.nih.gov/Blast.cgi

Sequences producing significant alignments:

Select: All None Selected:0

Alignments Download GenPept Graphics

Description	Max score	Total score	Query cover	E value	Ident	Accession
<input type="checkbox"/> breast and ovarian cancer susceptibility protein variant [Homo sapiens]	188	188	99%	1e-59	100%	AAZ16492.1
<input type="checkbox"/> BRCA1 [Homo sapiens]	185	185	99%	3e-59	100%	AXG51124.1
<input type="checkbox"/> BRCA1 protein [Homo sapiens]	190	190	99%	5e-59	100%	AAI06747.1
<input type="checkbox"/> truncated BRCA1 protein [Homo sapiens]	191	191	99%	1e-58	100%	ATE47047.1
<input type="checkbox"/> BRCA1 [Homo sapiens]	183	183	99%	2e-58	99%	AXG51128.1
<input type="checkbox"/> BRCA1 isoform 28 [Pongo abelii]	190	190	99%	2e-58	99%	PNIJ06984.1
<input type="checkbox"/> BRCA1 isoform 4 [Pan troglodytes]	192	192	99%	3e-57	100%	PNI33709.1
<input type="checkbox"/> BRCA1 protein [Homo sapiens]	192	192	99%	3e-57	100%	AAI06746.1
<input type="checkbox"/> truncated breast and ovarian cancer susceptibility protein 1 [Homo sapiens]	192	192	99%	3e-57	100%	AYD59819.1
<input type="checkbox"/> truncated breast and ovarian cancer susceptibility protein 1 [Homo sapiens]	192	192	99%	5e-57	100%	AYD59820.1
<input type="checkbox"/> BRCA1 protein [Homo sapiens]	190	190	99%	5e-57	99%	AAH62429.1
<input type="checkbox"/> truncated breast and ovarian cancer susceptibility protein 1 [Homo sapiens]	192	192	99%	8e-57	100%	AYD59821.1
<input type="checkbox"/> BRCA1 isoform 10 [Pan troglodytes]	193	193	99%	1e-5		

Questions/comments

14.12 13-12-18

BLAST: Basic Local Alignment > NCBI Blast:BRCA1_search_v1 > https://blast.ncbi.nlm.nih.gov/Blast.cgi

Alignments

breast and ovarian cancer susceptibility protein variant, partial [Homo sapiens]
 Sequence ID: [AAZ16492.1](#) Length: 166 Number of Matches: 1

Range 1: 42 to 131 [GenPept](#) [Graphics](#) ▼ Next Match ▲ Previous Match

Score	Expect	Method	Identities	Positives	Gaps	Frame
188 bits(478)	1e-59	Compositional matrix adjust.	90/90(100%)	90/90(100%)	0/90(0%)	+1

Query 1 LTKDRMNVKAEFCNKSQVGLARSQHNRRWAGSKETCNDRRTPSTEKKVDLNADFLCERK 180
 LTKDRMNVKAEFCNKSQVGLARSQHNRRWAGSKETCNDRRTPSTEKKVDLNADFLCERK
 Sbjct 42 LTKDRMNVKAEFCNKSQVGLARSQHNRRWAGSKETCNDRRTPSTEKKVDLNADFLCERK 101

Query 181 EWNKQKLPCCSENPRDTEVPWITLNSSIQK 270
 EWNKQKLPCCSENPRDTEVPWITLNSSIQK
 Sbjct 102 EWNKQKLPCCSENPRDTEVPWITLNSSIQK 131

BRCA1, partial [Homo sapiens]
 Sequence ID: [AXG51124.1](#) Length: 90 Number of Matches: 1
[See 2 more title\(s\)](#)

Range 1: 1 to 90 [GenPept](#) [Graphics](#) ▼ Next Match ▲ Previous Match

Score	Expect	Method	Identities	Positives	Gaps	Frame
185 bits(469)	3e-59	Compositional matrix adjust.	90/90(100%)	90/90(100%)	0/90(0%)	+1

Query 1 LTKDRMNVKAEFCNKSQVGLARSQHNRRWAGSKETCNDRRTPSTEKKVDLNADFLCERK 180
 LTKDRMNVKAEFCNKSQVGLARSQHNRRWAGSKETCNDRRTPSTEKKVDLNADFLCERK
 Sbjct 42 LTKDRMNVKAEFCNKSQVGLARSQHNRRWAGSKETCNDRRTPSTEKKVDLNADFLCERK 101

Related Information
[Gene](#) - associated gene details
[Identical Proteins](#) - Identical proteins to AXG51124.1

[Questions/comments](#)

14.12 13-12-18

BLAST: Basic Local Alignment > NCBI Blast:BRCA1_search_v1 > https://blast.ncbi.nlm.nih.gov/Blast.cgi

BRCA1, partial [Homo sapiens]
 Sequence ID: [AXG51124.1](#) Length: 90 Number of Matches: 1
[See 2 more title\(s\)](#)

Range 1: 1 to 90 [GenPept](#) [Graphics](#) ▼ Next Match ▲ Previous Match

Score	Expect	Method	Identities	Positives	Gaps	Frame
185 bits(469)	3e-59	Compositional matrix adjust.	90/90(100%)	90/90(100%)	0/90(0%)	+1

Query 1 LTKDRMNVKAEFCNKSQVGLARSQHNRRWAGSKETCNDRRTPSTEKKVDLNADFLCERK 180
 LTKDRMNVKAEFCNKSQVGLARSQHNRRWAGSKETCNDRRTPSTEKKVDLNADFLCERK
 Sbjct 1 LTKDRMNVKAEFCNKSQVGLARSQHNRRWAGSKETCNDRRTPSTEKKVDLNADFLCERK 60

Query 181 EWNKQKLPCCSENPRDTEVPWITLNSSIQK 270
 EWNKQKLPCCSENPRDTEVPWITLNSSIQK
 Sbjct 61 EWNKQKLPCCSENPRDTEVPWITLNSSIQK 90

BRCA1 protein, partial [Homo sapiens]
 Sequence ID: [AAI06747.1](#) Length: 259 Number of Matches: 1

Range 1: 78 to 167 [GenPept](#) [Graphics](#) ▼ Next Match ▲ Previous Match

Score	Expect	Method	Identities	Positives	Gaps	Frame
190 bits(483)	5e-59	Compositional matrix adjust.	90/90(100%)	90/90(100%)	0/90(0%)	+1

Query 1 LTKDRMNVKAEFCNKSQVGLARSQHNRRWAGSKETCNDRRTPSTEKKVDLNADFLCERK 180
 LTKDRMNVKAEFCNKSQVGLARSQHNRRWAGSKETCNDRRTPSTEKKVDLNADFLCERK
 Sbjct 78 LTKDRMNVKAEFCNKSQVGLARSQHNRRWAGSKETCNDRRTPSTEKKVDLNADFLCERK 137

Query 181 EWNKQKLPCCSENPRDTEVPWITLNSSIQK 270
 EWNKQKLPCCSENPRDTEVPWITLNSSIQK
 Sbjct 138 EWNKQKLPCCSENPRDTEVPWITLNSSIQK 167

Related Information
[Gene](#) - associated gene details
[Identical Proteins](#) - Identical proteins to AXG51124.1

[Questions/comments](#)

14.12 13-12-18

