

Guide for former BioMart users

Starting list of genes

Just as you did in BioMart, you first define your list of genes of interest

Search for...

expand all | collapse all

Filter the searches below

Genes

Annotation, curation and identifiers

Gene ID(s)

User Comments

Function prediction

Gene models

Genomic Location

Immunology

Orthology and synteny

Pathways and interactions

Protein features and properties

Protein targeting and localization

Sequence analysis

Structure analysis

Taxonomy

Organism

to start with a custom list of genes of interest

to start with the entire genome as your gene list

Convert to a list of orthologs

Transform 19,804 Genes into...

Orthologs

Metabolic Pathways

Compounds

VectorBase

Site search, e.g. AGAP004730 or *reductase or "binding protein"

My Strategies

Searches

Tools

My Workspace

Data

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Help

Contact Us

My Search Strategies

Opened (1)

All (3)

Public (6)

Help

Unnamed Search Strategy *

Organism

19,804 Genes

Add a step

19,804 Genes (11,134 ortholog groups)

Revise this search

Gene Results

Genome View

Analyze Results

Genes: 19,804

Show Only One Transcript Per Gene

1

2

3

...

1,724

Rows per page: 20

Gene ID	Transcript ID	Organism	Product Description
AAEL004671	AAEL004671-RA	Aedes aegypti LVP_AGWG	(s)-2-hydroxy-acid oxidase
AAEL004677	AAEL004677-RA	Aedes aegypti LVP_AGWG	(s)-2-hydroxy-acid oxidase
AAEL004676	AAEL004676-RA	Aedes aegypti LVP_AGWG	(s)-2-hydroxy-acid oxidase
AAEL005035	AAEL005035-RA	Aedes aegypti LVP_AGWG	1,4-dihydroxy-2-naphthoate octaprenyltransferase [Source:UniProtKB/TrEMBL;Acc:Q17BA9]
AAEL011901	AAEL011901-RA	Aedes aegypti LVP_AGWG	1-acyl-sn-glycerol-3-phosphate acyltransferase
AAEL011898	AAEL011898-RB	Aedes aegypti LVP_AGWG	1-acyl-sn-glycerol-3-phosphate acyltransferase
AAEL011898	AAEL011898-RC	Aedes aegypti LVP_AGWG	1-acyl-sn-glycerol-3-phosphate acyltransferase
AAEL011898	AAEL011898-RD	Aedes aegypti LVP_AGWG	1-acyl-sn-glycerol-3-phosphate acyltransferase
AAEL011898	AAEL011898-RE	Aedes aegypti LVP_AGWG	1-acyl-sn-glycerol-3-phosphate acyltransferase

Download

Add to Basket

Add Columns

Select Columns

Update Columns

select all | clear all | expand all | collapse all | reset to current | reset to default

Search Columns

Search Specific

Gene models

Annotation, curation and identifiers

Link outs

Genomic Location

Taxonomy

Orthology and synteny

Transcriptomics

Protein features and properties

Protein targeting and localization

Function prediction

☐ Gene Name or Symbol

☐ Previous ID(s)

☒ Product Description

☐ Transcript Product Description

☐ Computed GO Component IDs

☐ Computed GO Components

☐ Computed GO Function IDs

☐ Computed GO Functions

☐ Computed GO Process IDs

☐ Computed GO Processes

☐ Curated GO Component IDs

☐ Curated GO Components

☐ Curated GO Function IDs

☐ Curated GO Functions

☐ Curated GO Process IDs

☐ Curated GO Processes

☐ EC numbers

☐ EC numbers from OrthoMCL

Update Columns

GO

Gene Ontology Enrichment

Metabolic Pathway Enrichment

Download Genes

Results are from search: Organism

Choose a Report:

Tab- or comma-delimited (openable in Excel) - choose columns to make a custom table

Tab- or comma-delimited (openable in Excel) - choose a pre-configured table

FASTA - sequence retrieval, configurable

GFF3 - gene models and optional sequences

Standard JSON

Note: IDs will automatically be included in the report and the report will be sorted by ID.

Choose Columns

select all | clear all | expand all | collapse all

Search Columns...

Search Specific

Gene models

Annotation, curation and identifiers

Link outs

Genomic Location

Chromosome

☐ Gene has Unmatched Transcripts

☐ Gene Name or Symbol

☐ gene_source_id

☐ Previous ID(s)

☒ Product Description

☐ Transcript Product Description

Choose Rows

Include only one transcript per gene (the longest)

Download Type

Tab-delimited (.txt) file

Comma-delimited (.csv) file*

Show in browser

Additional Options

Include header row (column names)

Download Genes

Results are from search: Organism

Choose a Report:

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Standard JSON

Choose the type of sequence:

Genomic

Protein

CDS

Transcript

Choose the region of the sequence(s):

Begin at

Transcription Start***

+

0

nucleotides

End at

Transcription Stop***

+

0

nucleotides

Download table of Gene metadata

Add metadata to table

Download sequences

Perform an enrichment analysis