

1: Website header

This section is present on all pages as you navigate around Ensembl Fungi. It contains quick links to commonly used tools, help and documentation pages and download options.

- 1a: Log into your Ensembl account

This is part of the header. By logging into Ensembl you will be able to save your queries on the Ensembl tools, such as the VEP to return to at a later date. You can also upload your own data or custom track-hubs to your account. You can also edit which species appear in section 3: Genome and species directory.

- 1b: Quick search

This is part of the header. This enables you to quickly search all of Ensembl Fungi from whatever page you are on. You can search for a species, a gene, a region or the help and documentation.

2: Main search box

This enables you to search the whole of Ensembl Fungi, you can specify the species or strain you are interested in from the drop-down menu, or simply search across all species.

3: Genome and species directory

Here are listed the most popular species in Ensembl. If you create an account with Ensembl Fungi (See Section 1a), you can edit which species appear here. You can also click the link to view a table listing all of the genomes available.

4: Release details

A new version of Ensembl Fungi is released approximately every 3 months. This is where we add new data or update existing data, this section details the highlights of the current release. It is important to know which version you are working with as if you return to Ensembl at a later date the data may have changed.

5: Archive sites

This section lists available Ensembl Fungi web archives frozen in time in case you wanted to go back to previous releases.

Anatomy of the Ensembl Fungi gene page 1: Selected EnsemblFungi

HMMER | BLAST | BioMart | Tools | Downloads | Help & Docs | Blog genome Schizosaccharomyces pombe (ASM294v2) 🔻 _ocation: I:520,174-522,766 Gene: vfh7 Transcript: vfh7 Jobs ▼ Gene-based displays Summary Gene: vfh7 SPAC227.14 Splice variants 2: Location and Transcript comparison Description uridine kinase Yfh7 (predicted) [Source:PomBase:Acc:SPAC227.14년 Gene alleles feature tabs Location Chromosome I: 520.174-522.766 forward strand. **5**: Feature - Secondary Structure ASM294v2:CU329670.1 Gene families About this gene This gene has 1 transcript (splice variant), 323 orthologues and is a member of 2 Ensembl protein families. Literature overview Transcripts Fungal Compara Genomic alignments Gene tree 5: Transcript Gene gain/loss tree Show/hide columns (1 hidden) Orthologues table Paralogues Biotype UniProt 3: Tab-specific Pan-taxonomic Compara Protein coding Q9UTC5₺ NP_592968₺ SPAC227.14.1 2407 235aa Gene Tree pages - Orthologues Ontologies Summary @ FYPO: Phenotype GO: Biological process vfh7 ☑ (PomBase Gene Name) GO: Molecular function GO: Cellular component UniProtKB This gene has proteins that correspond to the following UniProtKB identifiers: Q9UTC5 № MOD: Protein modification Gene type Protein codina Phenotypes Genetic Variation Annotation method Genes annotated by PomBase № Variant table Variant image - Structural variants Go to Region in Detail for more tracks and navigation options (e.g. zooming) Gene expression Pathway Regulation ☆ ♬ < ⊞ 四 物 ₹ External references Supporting evidence 22.59 kb _Forward strand _ ID History Genes └ Gene history yth1-antisense-1 > SPNCRNA.658.1 > gim4 > rna4 > protein coding reg1 > protein coding psf3-antisense-1 : lys3 > protein coding 1: Main Configure this page 4: Customisation fol3 > protein coding display and download < snoZ7 > r Export data options ENSRNA049676807-T1 > Bookmark this page

< yth1 protein coding < yos9 protein coding < isul protein coding

.22.59 kb

1: Selected genome

This will show the species binomial Latin name and the strain/isolate identifier. Many species have more than one genome assembly. Clicking on this will take you to the information page for the genome assembly.

2: Page tabs

Tabs allow you to see the gene information at different scales and to change between views easily. The 'Gene' tab is selected and highlighted in white and shows specific information about the gene. The 'Location' tab will show the gene information at a larger scale, showing surrounding features in the genome, such as regulatory features and neighbouring genes. The 'Transcript' tab will show you information at a finer scale, specific to gene transcript, such as protein products and cDNA.

3: Gene-specific pages

This is the left-hand navigation panel for the gene-specific views. Here are listed pages that show gene information grouped by data type. This will stay the same for all gene pages for all genomes, but the selection will be different on the location and transcript tabs.

4: Customisation options

These buttons are present in every tab. The 'Configure this page' button will open a range of options to add data displays to a page, and the options change depending on the tab and page you are on. 'Custom tracks' allows you to add tracks from the Track-hub registry and your own data to the page you are on. 'Export data' allows you to download the data on the page in a range of different data formats. 'Share this page' will give you a stable URL which will link to the current page, but also include information about any extra data you have added using the Configure this Page or custom tracks options to share with a colleague. 'Bookmark this page' will save this page if you have an Ensembl account.

5: Feature overview including the transcript table

These will be present on all pages in the Gene and Transcript tabs. You can hide or show the transcript table by clicking on the brown button above the table

6: Main display

Main display presents data specific to the chosen page. Toggling between gene-specific pages will update this view.