

III. Oat pan-transcriptome database tutorials

1. The Oat pan-transcriptome database can be accessed using the following link

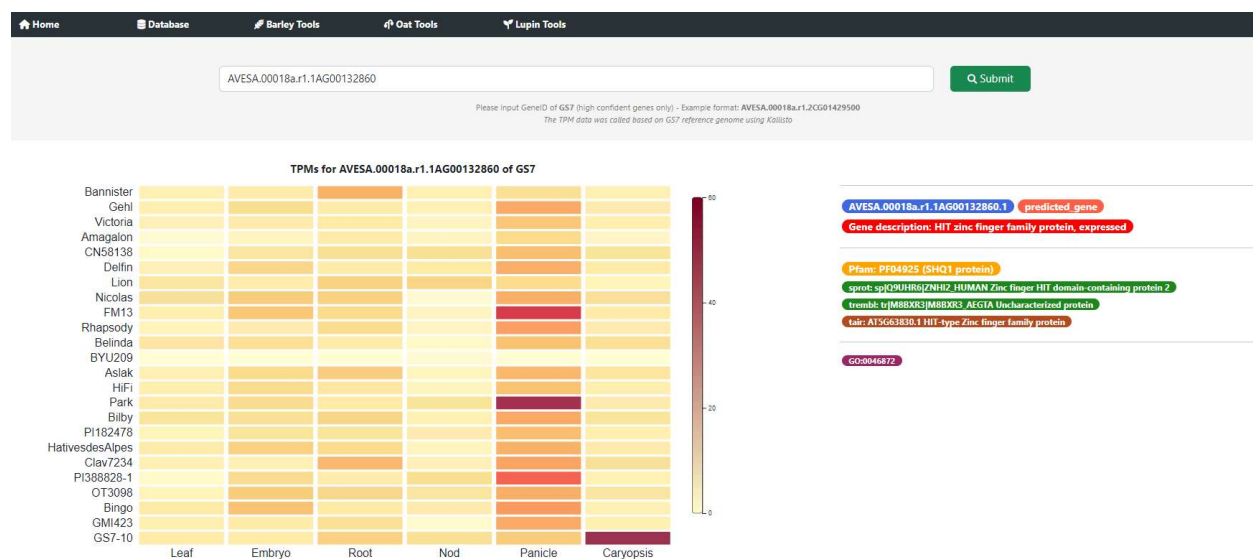
http://database.oatpangenome.com/oat_transcriptome/

If navigating from the home page, it can be accessed through Oat Tools > Pan Transcriptome

2. First, input the GS7 gene ID to the search bar



3. The result include heatmap of gene expression, gene annotations and extra Information



Pfam domain, GO and KEGG annotations are also included if available

AVESA.00018a.r1.1AG00007300.1 predicted_gene

Gene description: Phospholipase D

sprot: sp|Q43007|PLDA1_ORYSJ Phospholipase D alpha 1

trembl: tr|A0A1D6RF72|A0A1D6RF72_WHEAT Phospholipase D

tair: AT3G15730.1 phospholipase D alpha 1

GO:0003824

GO:0004630

GO:0005509

GO:0016020

GO:0016042

GO:0016787

GO:0046470

GO:0070290

KEGG:00564+3.1.4.4

KEGG:00565+3.1.4.4

MetaCyc:PWY-3561

MetaCyc:PWY-7039

4. Gene ID of OT3097v2 can also be used

However, only ~50.000 high confident genes of OT3098v2 can be mapped at the moment

Please use the genome browser to convert gene IDs if your gene could not be found

Matching gene ID of GS7 will also be shown, including extra information

