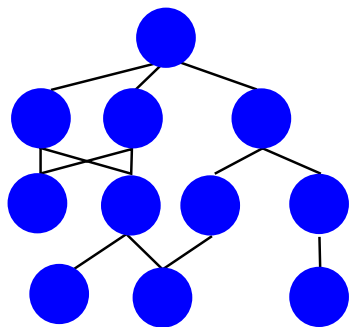
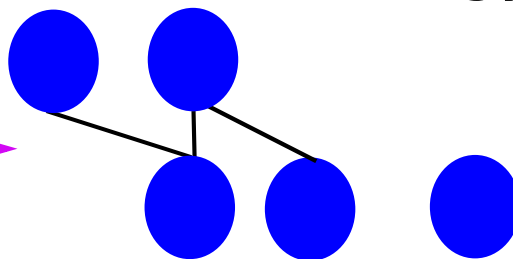


Complete ontology



Ontology
Trimming

Trimmed ontology



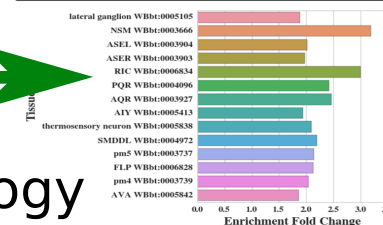
RNA-Seq
Experiment

Up-Regulated
Genes

Down-Regulated
Genes

Test gene list
for enrichment
using trimmed ontology

Tissue	Expected	Observed	Enrichment Fold Change	Q value
lateral ganglion WBht:0005105	75	1.4e+02	1.9	<10 ⁻⁶
NSM WBht:0003666	7.2	23	3.2	1.6e-06
ASEL WBht:0003904	19	59	2	0.0002
ASER WBht:0003903	19	38	2	0.0004
RIC WBht:0006834	5	15	3	0.0004
PQR WBht:0004096	8.2	20	2.4	0.0009
AQR WBht:0003927	4.9	12	2.5	0.017
ATY WBht:0005413	11	22	1.9	0.017
thermosensory neuron WBht:0005838	8.1	17	2.1	0.017
SMDDL WBht:0004972	5	11	2.2	0.055
pm5 WBht:0003737	5.6	12	2.1	0.055
FLP WBht:0006828	5.2	11	2.1	0.065
pm4 WBht:0003739	5.9	12	2	0.07
AVA WBht:0005842	7.5	14	1.9	0.096



Drag graph to your desktop to save.
Download output table [here](#)

Your list has 2352 valid WormBase genes that have no annotated data or are excluded from testing :

WBGene00000003 - WBGene00000003
WBGene00000005 - WBGene00000005
WBGene00000006 - WBGene00000006
WBGene00000008 - WBGene00000008
WBGene00000017 - WBGene00000017
WBGene00000019 - WBGene00000019

Your list has 745 valid WormBase genes included in statistical testing :

WBGene00000002 - WBGene00000002
WBGene00000023 - WBGene00000023
WBGene00000024 - WBGene00000024
WBGene00000034 - WBGene00000034
WBGene00000037 - WBGene00000037
WBGene00000038 - WBGene00000038

[perform another query](#)

if you use this tool, please cite us. If you have ideas, requests or bug-issues, please contact dangeles@caltech.edu

WormBase Version: WS252

Species Resources Tools Submit data ParaSite

Enter list of genes here

Upload a file with gene names :
 No file chosen

if you use this tool, please cite us. If you have ideas, requests or bug-issues, please contact dangeles@caltech.edu