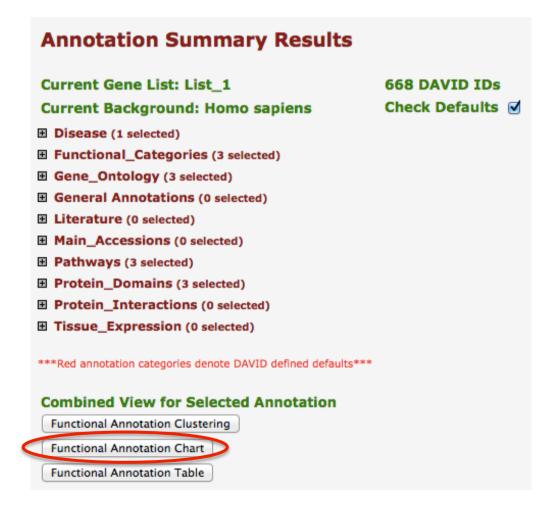
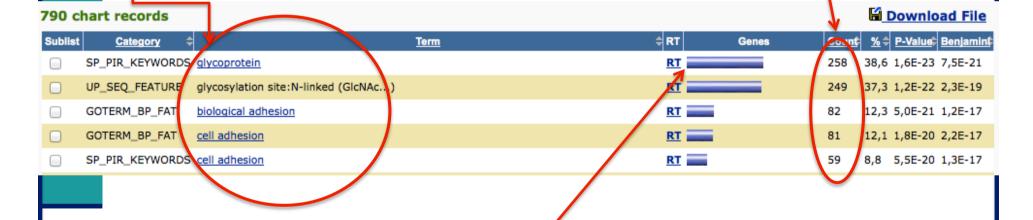
Analysis of RNA-seq data answers to questions

Use "Functional Annotation Chart" tool





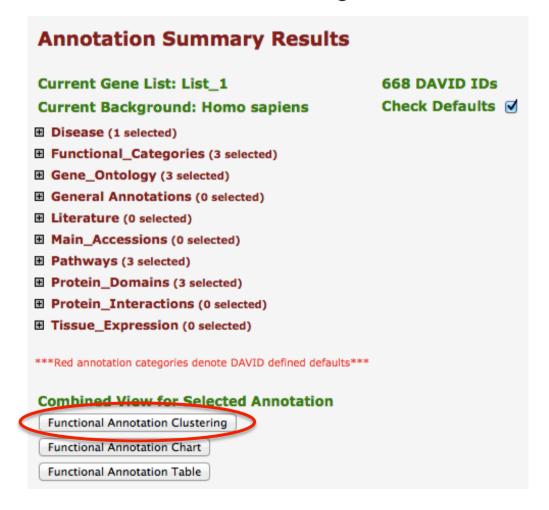
- 5 most significantly enriched functional annotation terms among the over-expressed genes annotations
- Number of genes annotated with each of these terms



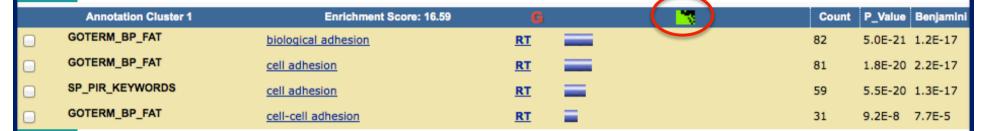
To view these genes click on \(^2\):

258 record(s)			Download File
OFFICIAL_GENE_SYMBOL	GENE NAME	Related Genes	Species
HTR2B	5-hydroxytryptamine (serotonin) receptor 2B	RG	Homo sapiens
ADAM23	ADAM metallopeptidase domain 23	<u>RG</u>	Homo sapiens
ADAMTS18	ADAM metallopeptidase with thrombospondin type 1 motif, 18	<u>RG</u>	<u>Homo sapiens</u>
ADAMTS6	ADAM metallopeptidase with thrombospondin type 1 motif, 6	<u>RG</u>	<u>Homo sapiens</u>

Use "Functional Annotation Clustering" tool



■ First identified cluster:



■ Click on to visualize members of this cluster :

```
automore recorder (ass.) in media 2

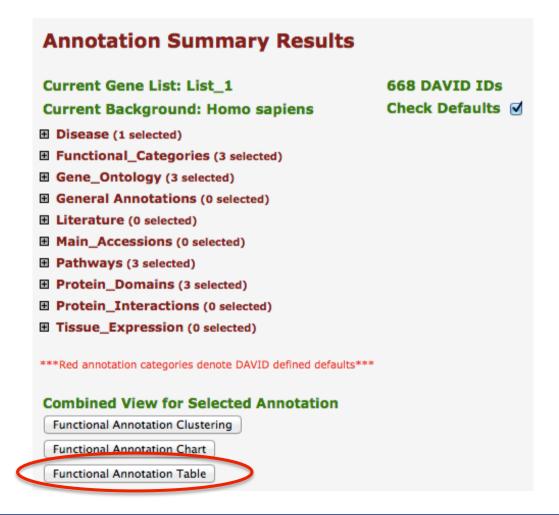
automore recorder (ass.) in media 2

automore recorder (ass.) (ass.) in media 3

automore recorder (ass.) (ass.) in media 4

automore recorder (ass.) (ass.
```

■ Use "Functional Annotation Table" tool



■ Search for claudin 15 in the page to see all associated annotations:

CLDN15	<u>claudin 15</u>	Related Genes	Homo sapiens
GOTERM_BP_FAT	cell adhesion, cell-cell adhesion, calcium-independent cell-cell adhesion, biological adhe	sion,	
GOTERM_CC_FAT	plasma membrane, cell-cell junction, tight junction, integral to membrane, apicolateral membrane, apical junction complex, plasma membrane part, occluding junction,	plasma membrane, cell ju	unction, intrinsic to
GOTERM_MF_FAT	structural molecule activity, identical protein binding,		
INTERPRO	PMP-22/FMP/MP20/Claudin, Claudin, Claudin-15, Claudin, conserved site,		
KEGG_PATHWAY	Cell adhesion molecules (CAMs), light junction, Leukocyte transendothelial migration,		
SP_PIR_KEYWORDS	cell junction, cell membrane, complete proteome, membrane, phosphoprotein, Tight junction	nction, transmembrane,	
UP_SEQ_FEATURE	chain:Claudin-15, modified residue, topological domain:Cytoplasmic, topological domain	n:Extracellular, transmem	brane region,

■ Click on Cell adhesion molecules (CAMs) to see all genes from the list annotated with this pathway

