



TRANSFORM genes INTO pathways (input interface)

A2 Store

Identify pathways regulated/enriched from your input gene list.
(for the overview, please refer to [A2](#))

Step 1: Paste your gene list: 1st column for gene symbols, and (optional) 2nd for color info

Gene	Color
STUB1	4.120775
SNF8	4.050354
EDC4	3.7692
HNRNPM	3.252001
SERPING1	3.220274
CUL3	3.191083
CHMP5	3.179678

Step 2: Specify pathways to use

Pathway collection: AA pathways

Step 3: Pathway visualisation (only works for AA pathways)

Whether and what: Yes but only significant pathways (FDR<0.05)

☒ More Controls

Submit

- ✓ Yes but only significant pathways (FDR<0.05)
- Yes and all pathways
- no

- Curated pathways:
- ✓ AA pathways
- KEGG pathways:
- KEGG (all)
 - KEGG (organismal systems)
 - KEGG (environmental information processing)
- REACTOME pathways:
- REACTOME (all)
 - REACTOME (immune system)
 - REACTOME (signal transduction)

Handling your request... (please don't refresh this page)

OUTPUT PAGE



TRANSFORM genes INTO pathways (output page)

TRANSFORM GENES INTO PATHWAYS

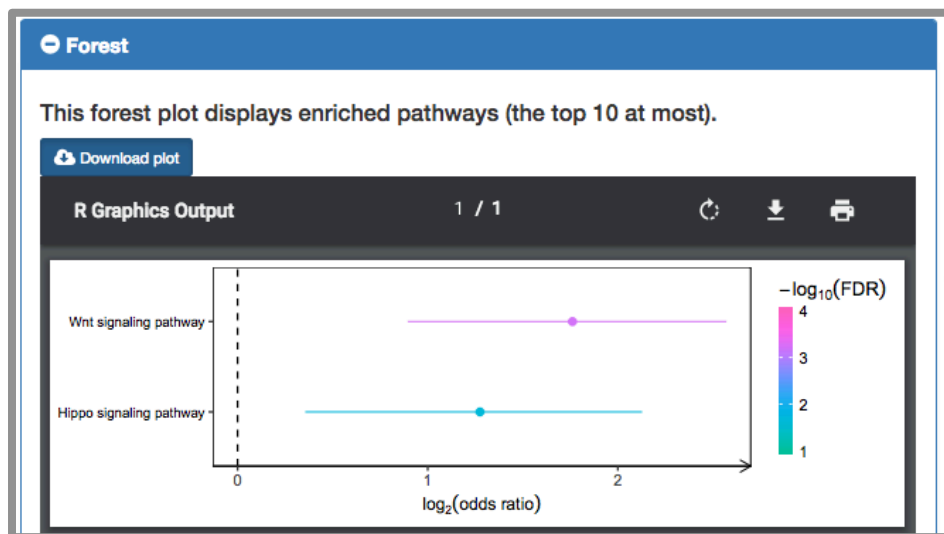
Outputs are available via:

Table

Forest

Tabular output:
List of enriched pathways

Plot output:
Forest plot of enriched pathways



Table

This table lists all enrichments (sorted by Odds Ratio) for input genes.
(where pathways with $\text{FDR} < 0.05$ are highlighted in bold)

Copy Excel Genes Category Search:

Pathway	Odds ratio	CI (95%)	Z-score	FDR	# genes found
Wnt signaling pathway	3.39	[1.86,5.94]	4.65	0.00062	19
Hippo signaling pathway	2.42	[1.28,4.37]	3.13	0.022	16
Thyroid hormone signaling pathway	2.32	[1.11,4.47]	2.63	0.052	12
Th1 and Th2 cell differentiation	1.84	[0.741,3.98]	1.59	0.28	8

Link to details on the enriched pathway

Pathway Mapper



Pathway Mapper (output page)

A2 Store ▾

PATHWAY MAPPER (the output page)

Download file

Zoom: min max

This GraphML file can be imported into yEd (<https://www.yworks.com>) for visuals and edits in a much more manageable way

Symbol: CREBBP
Name: CREB binding protein
Color: -3.3

Hover for details on the gene

Click for the GeneCards page

