

# Gene Set Enrichment

Enrich gene sets.

## Inputs

- Data: Data set.
- Custom Gene Sets: Genes to compare.
- Reference Genes: Genes used as reference.

## Outputs

- Matched Genes: Gene that match.

TODO Description.

Gene Set Enrichment

Info 1  
6370 unique gene names on input.  
1196 genes on output.

Custom Gene Set Term Column 2

Reference 3  
☐ Entire genome  
☒ Reference gene set (input)

Gene Sets 4  
☒ GO  
☒ Biological Process  
☒ Cellular Component  
☒ Molecular Function

5 ☒ Commit Automatically

6 ☒ Count 5 ☐ p-value 0.0001 ☒ FDR 0.0100 Filter gene sets ...

Count	Reference	p-Value	FDR	Enrichment	Genes In Set	Category	Term
4947	5292	2.62e-14	7.49e-13	1.0	5292	GO, cellular_component	cell
4938	5283	5.57e-14	1.51e-12	1.0	5283	GO, cellular_component	cell part
4627	4968	1.47e-06	1.81e-05	1.0	4968	GO, cellular_component	intracellular
4594	4934	4.00e-06	4.64e-05	1.0	4934	GO, cellular_component	intracellular part
4592	4930	1.73e-06	2.10e-05	1.0	4930	GO, biological_process	cellular process
4012	4098	3.71e-111	1.52e-107	1.1	4098	GO, cellular_component	organelle
4006	4092	1.09e-110	2.23e-107	1.1	4092	GO, cellular_component	intracellular organelle
3662	3736	7.46e-97	1.02e-93	1.1	3736	GO, cellular_component	membrane-bounded org...
3578	3652	2.65e-91	2.17e-88	1.1	3652	GO, cellular_component	intracellular membrane-b...
2870	2902	1.12e-88	7.63e-86	1.1	2902	GO, cellular_component	organelle part
2861	2893	3.68e-88	2.15e-85	1.1	2893	GO, cellular_component	intracellular organelle part
2338	2344	6.19e-92	6.33e-89	1.1	2344	GO, molecular_function	catalytic activity
2163	2178	3.58e-70	1.83e-67	1.1	2178	GO, biological_process	cellular component orga...
2064	2081	5.09e-63	2.08e-60	1.1	2081	GO, biological_process	organic cyclic compound...
2059	2093	1.41e-46	2.88e-44	1.1	2093	GO, cellular_component	protein-containing compl...
2028	2044	1.94e-62	7.22e-60	1.1	2044	GO, cellular_component	nucleus
2008	2025	2.26e-60	7.70e-58	1.1	2025	GO, biological_process	heterocycle metabolic pr...
1997	2014	7.38e-60	2.32e-57	1.1	2014	GO, biological_process	cellular aromatic compou...
1968	1986	1.99e-57	5.42e-55	1.1	1986	GO, biological_process	biological regulation
1940	1977	2.28e-39	3.72e-37	1.1	1977	GO, cellular_component	membrane
1915	1932	4.47e-56	1.14e-53	1.1	1932	GO, biological_process	nucleobase-containing c...
1880	1893	5.68e-59	1.66e-56	1.1	1893	GO, biological_process	cellular component orga...
1668	1685	2.05e-45	5.67e-42	1.1	1685	GO, biological_process	nucleic acid metabolic pr...

1. Info
2. Custom Gene Set Term Column
3. Reference
4. Gene Sets
5. If *Commit Automatically* is ticked, results will be automatically sent to the output. Alternatively, press *Commit*.
6. Filtering.

## Example

TODO Example