

Gene Set Enrichment

Enrich gene sets.

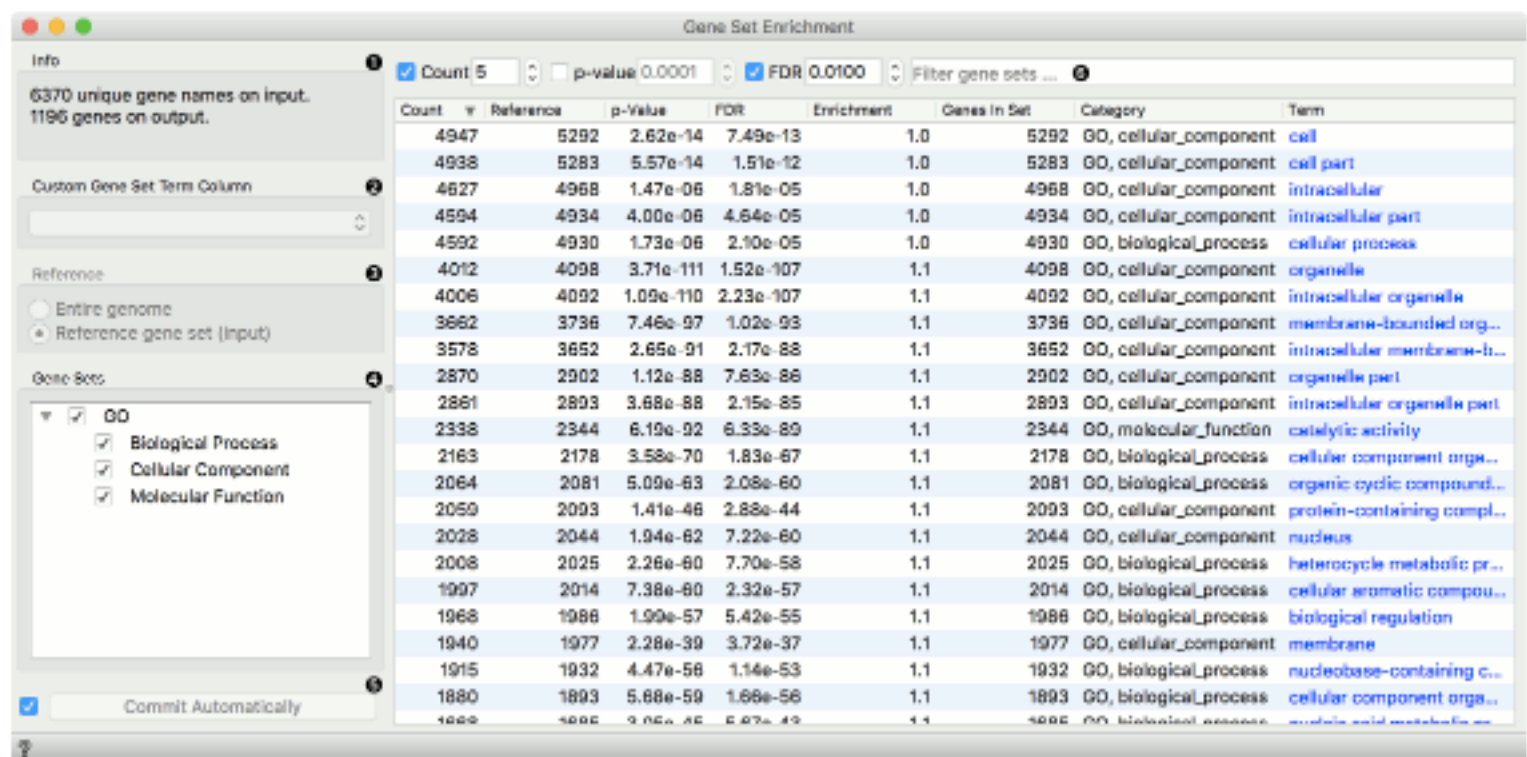
Inputs

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

Outputs

- Matched Genes: Gene that match.

TODO Description.



The screenshot shows the 'Gene Set Enrichment' application window. On the left, there are panels for 'Info' (6370 unique gene names on input, 1196 genes on output), 'Custom Gene Set Term Column', 'Reference' (Entire genome or Reference gene set (Input)), and 'Gene Sets' (GO, Biological Process, Cellular Component, Molecular Function). The main panel displays a table with columns: Count, Reference, p-Value, FDR, Enrichment, Genes in Set, Category, and Term. The table lists 20 rows of results, with the first row showing a count of 4947, reference 5292, p-value 2.62e-14, FDR 7.49e-13, enrichment 1.0, genes in set 5292, category GO, cellular_component, and term cell.

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
4927	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...
1869	1896	2.06e-46	6.67e-43	1.1	1896	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 automatic the output. Alternatively, press *Commit*.
6. Filtering.