

GeDiPNet Cluster 519 -- Enriched GO Terms (Biological Process)

GO term enrichment: Biological Process terms (gene2go, human/tax_id=9606 only), upper-tail hypergeometric test, fold enrichment = (overlap / cluster gene count) / (term gene count / universe size), Benjamini-Hochberg FDR-corrected. Top 15 terms per cluster by q-value. See scripts/build_cluster_go_enrichment.php on gedipnet.bicnirrh.res.in. Data as of: 2026-10-20 03:23:14. · Rows: 15 · Generated: 2026-10-19 23:18:42

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
multicellular organismal-level iron ion homeostasis	GO:0060586	2	TMPRSS6, SLC11A2	28	6	222.46	3.236e-5	1.328e-3
intracellular iron ion homeostasis	GO:0006879	2	TMPRSS6, SLC11A2	71	6	87.73	2.114e-4	5.288e-3
vanadium ion transport	GO:0015676	1	SLC11A2	1	6	3114.50	3.211e-4	7.044e-3
lead ion transport	GO:0015692	1	SLC11A2	1	6	3114.50	3.211e-4	7.044e-3
nickel cation transmembrane transport	GO:0035444	1	SLC11A2	1	6	3114.50	3.211e-4	7.044e-3
NK T cell lineage commitment	GO:0002364	1	TOX	1	6	3114.50	3.211e-4	7.044e-3
glutaminyl-tRNA aminoacylation	GO:0006425	1	LARS1	2	6	1557.25	6.421e-4	1.113e-2
leucyl-tRNA aminoacylation	GO:0006429	1	LARS1	2	6	1557.25	6.421e-4	1.113e-2
CD8-positive, alpha-beta T cell lineage commitment	GO:0043375	1	TOX	2	6	1557.25	6.421e-4	1.113e-2
CD4-positive, CD25-positive, alpha-beta regulatory T cell lineage commitment	GO:0002362	1	TOX	2	6	1557.25	6.421e-4	1.113e-2
nickel cation transport	GO:0015675	1	SLC11A2	2	6	1557.25	6.421e-4	1.113e-2
CD4-positive, alpha-beta T cell lineage commitment	GO:0043373	1	TOX	2	6	1557.25	6.421e-4	1.113e-2
regulation of positive thymic T cell selection	GO:1902232	1	TOX	2	6	1557.25	6.421e-4	1.113e-2
detection of oxygen	GO:0003032	1	SLC11A2	3	6	1038.17	9.630e-4	1.423e-2
iron import into cell	GO:0033212	1	SLC11A2	3	6	1038.17	9.630e-4	1.423e-2