

GeDiPNet Cluster 431 -- 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: 2026-10-07 03:23:06. · Rows: 15 · Generated: 2026-10-07 16:31:30

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
monoatomic ion transport	GO:0006811	8	SLC4A1, SLC4A3, ATP6V0A4, ATP6V1B1, KCNN4, PIEZO1, ATP6V1C2, SLC4A2	667	11	20.38	3.793e-10	9.384e-8
monoatomic anion transport	GO:0006820	3	SLC4A1, SLC4A3, SLC4A2	19	11	268.23	1.463e-7	1.666e-5
regulation of intracellular pH	GO:0051453	3	SLC4A1, SLC4A3, SLC4A2	28	11	182.02	4.931e-7	4.627e-5
bicarbonate transport	GO:0015701	3	SLC4A1, SLC4A3, SLC4A2	33	11	154.44	8.199e-7	7.064e-5
renal tubular secretion	GO:0097254	2	ATP6V0A4, ATP6V1B1	3	11	1132.55	9.448e-7	7.934e-5
pH reduction	GO:0045851	2	SLC4A3, ATP6V1B1	7	11	485.38	6.605e-6	3.740e-4
chloride transmembrane transport	GO:1902476	3	SLC4A1, SLC4A3, SLC4A2	114	11	44.71	3.521e-5	1.382e-3
inorganic anion transport	GO:0015698	2	SLC4A3, SLC4A2	17	11	199.86	4.264e-5	1.599e-3
synaptic vesicle lumen acidification	GO:0097401	2	ATP6V0A4, ATP6V1B1	18	11	188.76	4.795e-5	1.739e-3
regulation of pH	GO:0006885	2	ATP6V0A4, ATP6V1B1	21	11	161.79	6.575e-5	2.207e-3
vacuolar acidification	GO:0007035	2	ATP6V0A4, ATP6V1B1	23	11	147.72	7.916e-5	2.539e-3
proton transmembrane transport	GO:1902600	3	ATP6V0A4, ATP6V1B1, ATP6V1C2	181	11	28.16	1.393e-4	3.865e-3
monoatomic anion transmembrane transport	GO:0098656	2	SLC4A3, SLC4A2	40	11	84.94	2.427e-4	5.790e-3
regulation of macroautophagy	GO:0016241	2	ATP6V1B1, ATP6V1C2	57	11	59.61	4.940e-4	9.480e-3
pH elevation	GO:0045852	1	SLC4A1	1	11	1698.82	5.886e-4	1.069e-2