GeDiPNet Cluster 645 -- 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: 2026-10-21 12:39:04. · Rows: 15 · Generated: 2026-10-21 08:33:44

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
magnesium ion transmembrane transport	GO:1903830	3	CLDN16, CNNM2, TRPM6	17	5	659.54	6.246e-9	1.176e-6
monoatomic ion transport	GO:0006811	4	CLDN16, CNNM2, FXYD2, TRPM6	667	5	22.41	7.817e-6	4.409e-4
metal ion transport	GO:0030001	2	CLDN16, TRPM6	30	5	249.16	2.484e-5	1.065e-3
intercellular transport	GO:0010496	1	CLDN16	1	5	3737.40	2.676e-4	6.114e-3
negative regulation of secretion	GO:0051048	1	EGF	4	5	934.35	1.070e-3	1.490e-2
positive regulation of hyaluronan biosynthetic process	GO:1900127	1	EGF	4	5	934.35	1.070e-3	1.490e-2
cellular hyperosmotic salinity response	GO:0071475	1	FXYD2	5	5	747.48	1.337e-3	1.685e-2
positive regulation of epithelial tube formation	GO:1905278	1	EGF	5	5	747.48	1.337e-3	1.685e-2
positive regulation of cerebellar granule cell precursor proliferation	GO:0021940	1	EGF	5	5	747.48	1.337e-3	1.685e-2
paracellular transport	GO:0160184	1	CLDN16	7	5	533.91	1.872e-3	2.021e-2
magnesium ion homeostasis	GO:0010960	1	CNNM2	8	5	467.18	2.139e-3	2.166e-2
ERBB2-EGFR signaling pathway	GO:0038134	1	EGF	8	5	467.18	2.139e-3	2.166e-2
regulation of calcium ion import	GO:0090279	1	EGF	9	5	415.27	2.406e-3	2.305e-2
cerebellar granule cell precursor proliferation	GO:0021930	1	EGF	9	5	415.27	2.406e-3	2.305e-2
regulation of monoatomic ion transport	GO:0043269	1	FXYD2	9	5	415.27	2.406e-3	2.305e-2