

GeDiPNet Cluster 617 -- 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 23:18:26

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
inorganic cation transmembrane transport	GO:0098662	2	ABCC8, KCNJ11	23	3	541.65	4.344e-6	2.828e-4
negative regulation of insulin secretion	GO:0046676	2	ABCC8, KCNJ11	35	3	355.94	1.021e-5	5.522e-4
potassium ion import across plasma membrane	GO:1990573	2	ABCC8, KCNJ11	46	3	270.83	1.776e-5	8.465e-4
action potential	GO:0001508	2	ABCC8, KCNJ11	53	3	235.06	2.363e-5	1.046e-3
cellular response to nutrient levels	GO:0031669	2	ABCC8, KCNJ11	83	3	150.10	5.830e-5	2.071e-3
negative regulation of neuroblast migration	GO:0061855	1	ABCC8	1	3	6229.00	1.605e-4	4.340e-3
positive regulation of uterine smooth muscle relaxation	GO:1900721	1	ABCC8	1	3	6229.00	1.605e-4	4.340e-3
potassium ion transmembrane transport	GO:0071805	2	ABCC8, KCNJ11	150	3	83.05	1.910e-4	4.926e-3
potassium ion transport	GO:0006813	2	ABCC8, KCNJ11	152	3	81.96	1.961e-4	5.017e-3
asparaginyl-tRNA aminoacylation	GO:0006421	1	NARS2	2	3	3114.50	3.211e-4	7.044e-3
glutamate secretion, neurotransmission	GO:0061535	1	ABCC8	3	3	2076.33	4.816e-4	9.241e-3
negative regulation of blood-brain barrier permeability	GO:1905604	1	ABCC8	3	3	2076.33	4.816e-4	9.241e-3
response to resveratrol	GO:1904638	1	KCNJ11	3	3	2076.33	4.816e-4	9.241e-3
response to xenobiotic stimulus	GO:0009410	2	ABCC8, KCNJ11	248	3	50.23	5.217e-4	9.799e-3
positive regulation of tight junction disassembly	GO:1905075	1	ABCC8	5	3	1245.80	8.025e-4	1.283e-2