

GeDiPNet Cluster 555 -- Enriched Pathways

Pathway enrichment: KEGG + Reactome, upper-tail hypergeometric test, Benjamini-Hochberg FDR-corrected. Fold enrichment = (overlap / cluster gene count) / (pathway gene count / universe size). Top 15 pathways per cluster by q-value. See [scripts/build_cluster_enrichment.php](scripts/build_cluster_enrichment.php) on gedipnet.bicnirrh.res.in. Data as of: 2026-10-20 03:30:09. · Rows: 15 · Generated: 2026-10-20 00:03:00

Pathway	Source	Overlap Genes	Overlap Gene Names	Pathway Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
Defective SLC6A5 causes hyperekplexia 3 (HKPX3)	Reactome	1	SLC6A5	1	4	3002.50	3.331e-4	4.876e-3
Neurotransmitter clearance	Reactome	1	BCHE	4	4	750.63	1.332e-3	1.409e-2
Serotonin receptors	Reactome	1	HTR1A	12	4	250.21	3.991e-3	3.122e-2
Dissolution of Fibrin Clot	Reactome	1	PLAT	13	4	230.96	4.323e-3	3.305e-2
Na+/Cl- dependent neurotransmitter transporters	Reactome	1	SLC6A5	19	4	158.03	6.314e-3	4.251e-2
Synthesis, secretion, and deacylation of Ghrelin	Reactome	1	BCHE	19	4	158.03	6.314e-3	4.251e-2
Synthesis of PC	Reactome	1	BCHE	28	4	107.23	9.294e-3	5.428e-2
Signaling by PDGF	Reactome	1	PLAT	33	4	90.98	1.095e-2	6.008e-2
Synaptic vesicle cycle	KEGG	1	SLC6A5	79	4	38.01	2.606e-2	9.987e-2
Taste transduction	KEGG	1	HTR1A	86	4	34.91	2.834e-2	1.046e-1
Complement and coagulation cascades	KEGG	1	PLAT	88	4	34.12	2.899e-2	1.059e-1
Prostate cancer	KEGG	1	PLAT	98	4	30.64	3.225e-2	1.128e-1
Serotonergic synapse	KEGG	1	HTR1A	115	4	26.11	3.776e-2	1.234e-1
Apelin signaling pathway	KEGG	1	PLAT	140	4	21.45	4.582e-2	1.375e-1
Fluid shear stress and atherosclerosis	KEGG	1	PLAT	141	4	21.29	4.615e-2	1.383e-1