

GeDiPNet Cluster 25 -- 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 03:46:41

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
camera-type eye development	GO:0043010	6	PAX6, RAX, CHD7, MITF, MAB21L2, PAX2	74	43	35.24	1.702e-8	2.716e-6
cell fate determination	GO:0001709	4	PAX6, PTCH2, PAX2, PTCH1	18	43	96.57	7.263e-8	9.215e-6
eye development	GO:0001654	5	PAX6, FZD5, SALL2, MAB21L2, RBP4	49	43	44.35	8.976e-8	1.101e-5
brain development	GO:0007420	7	PAX6, ABCB6, MYH10, RAX, DHX37, CDK5RAP2, PTCH1	244	43	12.47	1.282e-6	1.011e-4
axonogenesis	GO:0007409	5	PAX6, ACTB, ACTG1, MYH10, PAX2	125	43	17.38	9.704e-6	5.097e-4
positive regulation of transcription by RNA polymerase II	GO:0045944	12	EDN1, PAX6, FZD5, SALL2, RAX, GLI2, CHD7, MITF, CDON, PAX2, RARB, YAP1	1208	43	4.32	1.186e-5	5.952e-4
postsynaptic actin cytoskeleton organization	GO:0098974	3	ACTB, ACTG1, MYH10	20	43	65.19	1.259e-5	6.253e-4
smoothened signaling pathway involved in ventral spinal cord interneuron specification	GO:0021775	2	GLI2, SUFU	3	43	289.72	1.549e-5	7.377e-4
regulation of transepithelial transport	GO:0150111	2	ACTB, ACTG1	4	43	217.29	3.094e-5	1.250e-3
retina development in camera-type eye	GO:0060041	4	PAX6, MYH10, CHD7, RBP4	85	43	20.45	4.297e-5	1.608e-3
epidermal cell fate specification	GO:0009957	2	PTCH2, PTCH1	5	43	173.83	5.149e-5	1.842e-3
regulation of metanephric nephron tubule epithelial cell differentiation	GO:0072307	2	PAX2, YAP1	5	43	173.83	5.149e-5	1.842e-3
regulation of neuron differentiation	GO:0045664	3	PAX6, CDK5RAP2, CDON	32	43	40.74	5.373e-5	1.898e-3
aorta development	GO:0035904	3	MYH10, CHD7, SUFU	33	43	39.51	5.901e-5	2.032e-3
neural precursor cell proliferation	GO:0061351	3	PAX6, CDON, RARB	33	43	39.51	5.901e-5	2.032e-3