

GeDiPNet Cluster 247 -- 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: 2026-10-08 03:23:04. · Rows: 15 · Generated: 2026-10-07 22:19:08

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
brain development	GO:0007420	4	FOXC1, COL4A1, PAX6, PTCH1	244	7	43.76	9.626e-7	8.101e-5
camera-type eye development	GO:0043010	3	FOXC1, PITX2, PAX6	74	7	108.23	2.063e-6	1.500e-4
lacrimal gland development	GO:0032808	2	FOXC1, PAX6	7	7	762.73	2.524e-6	1.773e-4
neural tube patterning	GO:0021532	2	IFT140, PTCH1	8	7	667.39	3.364e-6	2.233e-4
iris morphogenesis	GO:0061072	2	PITX2, PAX6	9	7	593.24	4.325e-6	2.726e-4
negative regulation of transcription by RNA polymerase II	GO:0000122	5	FOXC1, PITX2, PRDM5, PAX6, PTCH1	1002	7	13.32	8.419e-6	4.659e-4
animal organ morphogenesis	GO:0009887	3	PITX2, PAX6, PTCH1	130	7	61.61	1.128e-5	5.802e-4
embryonic camera-type eye development	GO:0031076	2	PITX2, IFT140	15	7	355.94	1.260e-5	6.329e-4
cell fate determination	GO:0001709	2	PAX6, PTCH1	18	7	296.62	1.835e-5	8.511e-4
anatomical structure morphogenesis	GO:0009653	3	FOXC1, PITX2, PAX6	160	7	50.05	2.102e-5	9.480e-4
regulation of smoothened signaling pathway	GO:0008589	2	IFT140, PTCH1	29	7	184.11	4.860e-5	1.791e-3
pituitary gland development	GO:0021983	2	PITX2, PAX6	30	7	177.97	5.206e-5	1.890e-3
limb morphogenesis	GO:0035108	2	IFT140, PTCH1	31	7	172.23	5.564e-5	1.986e-3
branching involved in blood vessel morphogenesis	GO:0001569	2	PITX2, COL4A1	33	7	161.79	6.316e-5	2.188e-3
in utero embryonic development	GO:0001701	3	FOXC1, PITX2, PTCH1	252	7	31.78	8.149e-5	2.662e-3