

GeDiPNet Cluster 30 -- 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 18:44:34

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
canonical Wnt signaling pathway	GO:0060070	7	ISL1, FZD5, WNT10A, WNT11, WNT3, WNT7A, SOX9	105	77	16.18	2.516e-7	2.633e-5
negative regulation of mesenchymal cell proliferation	GO:0072201	3	ISL1, WNT11, LMNA	6	77	121.34	1.333e-6	1.041e-4
stem cell proliferation	GO:0072089	5	TP63, WNT11, WNT3, IRF6, SOX9	54	77	22.47	2.813e-6	1.891e-4
embryonic hindlimb morphogenesis	GO:0035116	4	TP63, WNT3, WNT7A, MSX1	29	77	33.47	5.852e-6	3.400e-4
embryonic forelimb morphogenesis	GO:0035115	4	TP63, WNT3, WNT7A, MSX1	33	77	29.42	9.957e-6	5.202e-4
cell fate commitment	GO:0045165	5	WNT10A, WNT11, WNT3, WNT7A, SOX9	75	77	16.18	1.435e-5	6.928e-4
cloacal septation	GO:0060197	2	TP63, WNT11	2	77	242.69	1.676e-5	7.821e-4
mesenchymal cell proliferation	GO:0010463	3	WNT11, MSX1, SOX9	16	77	45.50	3.624e-5	1.414e-3
hair follicle development	GO:0001942	4	TP63, SOX18, WNT10A, SOX9	48	77	20.22	4.518e-5	1.669e-3
skin development	GO:0043588	4	PKD1, WNT10A, IRF6, TFAP2B	55	77	17.65	7.748e-5	2.504e-3
cartilage condensation	GO:0001502	3	PKD1, WNT7A, SOX9	21	77	34.67	8.481e-5	2.677e-3
regulation of cell adhesion	GO:0030155	4	EPHA1, LMO7, PKD1, SOX9	61	77	15.91	1.164e-4	3.392e-3
regulation of vesicle fusion	GO:0031338	2	SYT1, SYT4	5	77	97.08	1.662e-4	4.419e-3
cellular response to transforming growth factor beta stimulus	GO:0071560	4	ISL1, WNT10A, WNT7A, SOX9	67	77	14.49	1.677e-4	4.452e-3
animal organ morphogenesis	GO:0009887	5	FGD1, TP63, PKD1, MSX1, PAX3	130	77	9.33	1.996e-4	5.044e-3