

GeDiPNet Cluster 44 -- 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: 2026-10-08 06:13:19

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
glomerular basement membrane development	GO:0032836	4	COL4A3, COL4A4, NPHS1, WT1	10	37	202.02	2.707e-9	5.263e-7
cellular response to estradiol stimulus	GO:0071392	4	EGFR, ESR1, GPER1, SFRP1	36	37	56.12	7.320e-7	6.499e-5
collagen-activated tyrosine kinase receptor signaling pathway	GO:0038063	3	COL4A3, COL4A5, COL4A6	12	37	126.26	1.553e-6	1.195e-4
somitogenesis	GO:0001756	4	WNT3A, SFRP1, SMAD3, CRB2	50	37	40.40	2.806e-6	1.930e-4
metanephric podocyte development	GO:0072249	2	LAMB2, NPHS2	2	37	505.05	3.815e-6	2.465e-4
response to genistein	GO:0033595	2	CYP1A1, F7	3	37	336.70	1.143e-5	5.859e-4
positive regulation of cell migration	GO:0030335	6	WNT5B, F7, PLAU, EGFR, GPER1, SMAD3	292	37	10.38	2.139e-5	9.613e-4
negative regulation of cell population proliferation	GO:0008285	7	COL4A3, GPER1, INHBA, SFRP1, SMAD3, TSC2, WT1	444	37	7.96	2.265e-5	1.001e-3
phosphatidylinositol 3-kinase/protein kinase B signal transduction	GO:0043491	4	COL6A1, COL6A2, COL6A3, EGFR	92	37	21.96	3.208e-5	1.303e-3
metanephric epithelium development	GO:0072207	2	PAX2, WT1	5	37	202.02	3.800e-5	1.491e-3
response to 2,3,7,8-tetrachlorodibenzodioxine	GO:1904612	2	CYP1A1, F7	5	37	202.02	3.800e-5	1.491e-3
cardiac muscle cell fate commitment	GO:0060923	2	WNT3A, WT1	5	37	202.02	3.800e-5	1.491e-3
regulation of branching involved in prostate gland morphogenesis	GO:0060687	2	ESR1, SFRP1	5	37	202.02	3.800e-5	1.491e-3
negative regulation of B cell differentiation	GO:0045578	2	INHBA, SFRP1	5	37	202.02	3.800e-5	1.491e-3
canonical Wnt signaling pathway	GO:0060070	4	COL6A1, WNT3A, WNT5B, SFRP1	105	37	19.24	5.389e-5	1.937e-3