

GeDiPNet Cluster 145 -- 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 07:19:00

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
pronephros development	GO:0048793	4	HNF1B, LHX1, PAX8, PAX2	7	18	593.24	2.105e-11	7.127e-9
mesonephric tubule development	GO:0072164	4	HNF1B, LHX1, WNT4, PAX8	7	18	593.24	2.105e-11	7.127e-9
mesonephros development	GO:0001823	4	LHX1, WNT4, PAX8, PAX2	13	18	319.44	4.284e-10	1.047e-7
branching involved in ureteric bud morphogenesis	GO:0001658	5	LHX1, GREB1L, WNT4, PAX8, PAX2	45	18	115.35	5.389e-10	1.295e-7
negative regulation of mesenchymal cell apoptotic process involved in metanephros development	GO:1900212	3	HNF1B, PAX8, PAX2	3	18	1038.17	7.504e-10	1.736e-7
paramesonephric duct development	GO:0061205	3	LHX1, GREB1L, WNT4	4	18	778.63	3.000e-9	5.902e-7
mesonephric duct development	GO:0072177	3	HNF1B, LHX1, GREB1L	6	18	519.08	1.498e-8	2.427e-6
metanephros development	GO:0001656	4	LHX1, GREB1L, WNT4, PAX8	38	18	109.28	4.357e-8	6.031e-6
kidney development	GO:0001822	5	HNF1B, LHX1, GREB1L, WNT4, PAX8	146	18	35.55	2.146e-7	2.304e-5
urogenital system development	GO:0001655	3	LHX1, PAX8, PAX2	17	18	183.21	5.060e-7	4.724e-5
metanephric comma-shaped body morphogenesis	GO:0072278	2	LHX1, PAX8	2	18	1038.17	8.763e-7	7.442e-5
pronephric field specification	GO:0039003	2	PAX8, PAX2	2	18	1038.17	8.763e-7	7.442e-5
negative regulation of mesenchymal cell apoptotic process involved in metanephric nephron morphogenesis	GO:0072305	2	PAX8, PAX2	2	18	1038.17	8.763e-7	7.442e-5
negative regulation of apoptotic process involved in metanephric collecting duct development	GO:1900215	2	PAX8, PAX2	2	18	1038.17	8.763e-7	7.442e-5
negative regulation of apoptotic process involved in metanephric nephron tubule development	GO:1900218	2	PAX8, PAX2	2	18	1038.17	8.763e-7	7.442e-5