

GeDiPNet Cluster 571 -- 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: 2026-10-20 03:23:14. · Rows: 15 · Generated: 2026-10-20 00:01:14

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
negative regulation of metanephric nephron tubule epithelial cell differentiation	GO:0072308	1	STAT1	1	1	18687.00	5.351e-5	1.943e-3
negative regulation by virus of viral protein levels in host cell	GO:0046725	1	STAT1	2	1	9343.50	1.070e-4	3.249e-3
negative regulation of mesenchymal to epithelial transition involved in metanephros morphogenesis	GO:0003340	1	STAT1	2	1	9343.50	1.070e-4	3.249e-3
renal tubule development	GO:0061326	1	STAT1	3	1	6229.00	1.605e-4	4.340e-3
metanephric mesenchymal cell proliferation involved in metanephros development	GO:0072136	1	STAT1	3	1	6229.00	1.605e-4	4.340e-3
metanephric mesenchymal cell differentiation	GO:0072162	1	STAT1	5	1	3737.40	2.676e-4	6.245e-3
interleukin-27-mediated signaling pathway	GO:0070106	1	STAT1	8	1	2335.88	4.281e-4	8.531e-3
interleukin-7-mediated signaling pathway	GO:0038111	1	STAT1	8	1	2335.88	4.281e-4	8.531e-3
interleukin-9-mediated signaling pathway	GO:0038113	1	STAT1	8	1	2335.88	4.281e-4	8.531e-3
response to interferon-beta	GO:0035456	1	STAT1	11	1	1698.82	5.886e-4	1.058e-2
negative regulation of developmental process	GO:0051093	1	STAT1	13	1	1437.46	6.957e-4	1.178e-2
type II interferon-mediated signaling pathway	GO:0060333	1	STAT1	15	1	1245.80	8.027e-4	1.283e-2
positive regulation of mesenchymal cell proliferation	GO:0002053	1	STAT1	26	1	718.73	1.391e-3	1.753e-2
positive regulation of interferon-alpha production	GO:0032727	1	STAT1	26	1	718.73	1.391e-3	1.753e-2
cell surface receptor signaling pathway via STAT	GO:0097696	1	STAT1	28	1	667.39	1.498e-3	1.821e-2