

GeDiPNet Cluster 539 -- 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: 2026-10-19 23:18:32

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
steroid biosynthetic process	GO:0006694	7	CYP11A1, CYP11B1, CYP17A1, CYP21A2, HSD3B2, STAR, CYP19A1	65	13	154.80	7.452e-15	5.195e-12
glucocorticoid biosynthetic process	GO:0006704	4	CYP11A1, CYP11B1, CYP17A1, CYP21A2	7	13	821.41	4.921e-12	2.005e-9
sterol metabolic process	GO:0016125	4	CYP11A1, CYP11B1, CYP21A2, CYP19A1	22	13	261.36	1.023e-9	2.366e-7
cortisol biosynthetic process	GO:0034651	3	CYP11B1, CYP17A1, CYP21A2	5	13	862.48	2.628e-9	5.415e-7
lipid metabolic process	GO:0006629	8	CYP11A1, CYP11B1, CYP17A1, CYP21A2, HSD3B2, STAR, TNXB, CYP19A1	840	13	13.69	1.698e-8	2.792e-6
cellular response to peptide hormone stimulus	GO:0071375	3	POR, CYP11A1, CYP11B1	18	13	239.58	2.133e-7	2.381e-5
cortisol metabolic process	GO:0034650	2	CYP11A1, CYP11B1	4	13	718.73	2.678e-6	1.916e-4
C21-steroid hormone biosynthetic process	GO:0006700	2	CYP11A1, CYP11B1	5	13	574.98	4.462e-6	2.894e-4
C21-steroid hormone metabolic process	GO:0008207	2	CYP11A1, HSD3B2	7	13	410.70	9.363e-6	5.169e-4
androgen biosynthetic process	GO:0006702	2	CYP17A1, HSD3B2	9	13	319.44	1.604e-5	7.841e-4
cholesterol metabolic process	GO:0008203	3	CYP11A1, CYP11B1, STAR	107	13	40.30	5.007e-5	1.849e-3
alcohol metabolic process	GO:0006066	2	CYP11A1, CYP11B1	18	13	159.72	6.793e-5	2.317e-3
steroid metabolic process	GO:0008202	3	CYP11A1, CYP17A1, CYP21A2	135	13	31.94	1.000e-4	3.095e-3
regulation of cell differentiation	GO:0045595	2	FGFR2, TNXB	54	13	53.24	6.264e-4	1.109e-2
positive regulation of cell fate determination	GO:1905935	1	TNXB	1	13	1437.46	6.957e-4	1.178e-2