

GeDiPNet Cluster 296 -- 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 09:01:22

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
aldosterone biosynthetic process	GO:0032342	3	CACNA1H, CYP11B1, CYP11B2	3	87	214.79	9.747e-8	1.192e-5
cortisol biosynthetic process	GO:0034651	3	CACNA1H, CYP11B1, CYP11B2	5	87	128.88	9.682e-7	8.138e-5
glucocorticoid biosynthetic process	GO:0006704	3	CRH, CYP11B1, CYP11B2	7	87	92.05	3.366e-6	2.233e-4
cellular response to potassium ion	GO:0035865	3	CACNA1H, CYP11B1, CYP11B2	14	87	46.03	3.419e-5	1.373e-3
renal water homeostasis	GO:0003091	3	CYP11B2, GNAS, PRKACB	19	87	33.91	8.949e-5	2.852e-3
adenylate cyclase-activating G protein-coupled receptor signaling pathway	GO:0007189	6	AKAP6, GNAS, PRKACB, PRKAR1A, RXFP2, GNAI2	161	87	8.00	1.058e-4	3.222e-3
calcium ion import	GO:0070509	3	CACNA1D, CACNA1H, DDIT3	21	87	30.68	1.220e-4	3.572e-3
cortisol metabolic process	GO:0034650	2	CYP11B1, CYP11B2	4	87	107.40	1.278e-4	3.706e-3
regulation of metal ion transport	GO:0010959	2	AKAP6, CACNA1D	5	87	85.92	2.123e-4	5.374e-3
C21-steroid hormone biosynthetic process	GO:0006700	2	CYP11B1, CYP11B2	5	87	85.92	2.123e-4	5.374e-3
cellular response to dexamethasone stimulus	GO:0071549	3	NR3C1, USP8, CRH	29	87	22.22	3.263e-4	7.259e-3
regulation of blood pressure	GO:0008217	4	ATP1A1, CYP11B1, POMC, PPARG	83	87	10.35	6.086e-4	1.116e-2
signal transduction by p53 class mediator	GO:0072331	2	TP53, CDKN1A	9	87	47.73	7.552e-4	1.290e-2
vascular endothelial cell response to laminar fluid shear stress	GO:0097700	2	GNAS, PRKACB	9	87	47.73	7.552e-4	1.290e-2
replication fork processing	GO:0031297	3	ATRX, EXD2, TIMELESS	41	87	15.72	9.143e-4	1.461e-2