

GeDiPNet Cluster 512 -- 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 03:23:13. · Rows: 15 · Generated: 2026-10-19 23:18:28

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
hormone metabolic process	GO:0042445	6	CYP17A1, AKR1C2, AKR1C4, NR5A1, AKR1C1, AKR1C3	25	19	236.05	8.039e-14	4.729e-11
progesterone metabolic process	GO:0042448	5	CYP17A1, AKR1C2, AKR1C4, AKR1C1, AKR1C3	10	19	491.76	1.539e-13	8.514e-11
steroid metabolic process	GO:0008202	8	SRD5A2, CYP17A1, AKR1C2, AKR1C4, CYP11A1, AKR1C1, AKR1C3, DHCR7	135	19	58.28	4.253e-13	2.141e-10
cellular response to jasmonic acid stimulus	GO:0071395	4	AKR1C2, AKR1C4, AKR1C1, AKR1C3	4	19	983.53	7.631e-13	3.672e-10
alcohol metabolic process	GO:0006066	5	AKR1C2, AKR1C4, CYP11A1, AKR1C1, AKR1C3	18	19	273.20	5.207e-12	2.112e-9
male gonad development	GO:0008584	7	DMRT1, SRD5A2, LHCGR, NR5A1, AKR1C3, INHA, INHBB	117	19	58.84	1.489e-11	5.477e-9
daunorubicin metabolic process	GO:0044597	4	AKR1C2, AKR1C4, AKR1C1, AKR1C3	9	19	437.12	9.584e-11	2.947e-8
doxorubicin metabolic process	GO:0044598	4	AKR1C2, AKR1C4, AKR1C1, AKR1C3	10	19	393.41	1.596e-10	4.638e-8
monocarboxylic acid metabolic process	GO:0032787	4	AKR1C2, AKR1C4, AKR1C1, AKR1C3	17	19	231.42	1.801e-9	3.875e-7
steroid biosynthetic process	GO:0006694	5	HSD17B3, SRD5A2, CYP17A1, CYP11A1, DHCR7	65	19	75.66	4.874e-9	9.374e-7
sex differentiation	GO:0007548	4	DMRT1, SRD5A2, CYP17A1, AMH	26	19	151.31	1.125e-8	1.953e-6
testosterone biosynthetic process	GO:0061370	3	HSD17B3, SRD5A2, AKR1C3	6	19	491.76	1.779e-8	2.907e-6
prostaglandin metabolic process	GO:0006693	4	AKR1C2, AKR1C4, AKR1C1, AKR1C3	30	19	131.14	2.057e-8	3.304e-6
lipid metabolic process	GO:0006629	9	HSD17B3, SRD5A2, CYP17A1, AKR1C2, AKR1C4, CYP11A1, AKR1C1, AKR1C3, DHCR7	840	19	10.54	4.418e-8	6.391e-6
androgen biosynthetic process	GO:0006702	3	HSD17B3, SRD5A2, CYP17A1	9	19	327.84	7.456e-8	9.972e-6