

GeDiPNet Cluster 363 -- 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 15:37:24

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
progesterone metabolic process	GO:0042448	5	AKR1C2, AKR1C4, CYP17A1, AKR1C1, AKR1C3	10	13	718.73	1.706e-14	1.067e-11
cellular response to jasmonic acid stimulus	GO:0071395	4	AKR1C2, AKR1C4, AKR1C1, AKR1C3	4	13	1437.46	1.408e-13	7.529e-11
hormone metabolic process	GO:0042445	5	AKR1C2, AKR1C4, CYP17A1, AKR1C1, AKR1C3	25	13	287.49	3.577e-12	1.443e-9
sex differentiation	GO:0007548	5	DMRT1, SRD5A2, CYP17A1, AMH, AMHR2	26	13	276.43	4.427e-12	1.752e-9
daunorubicin metabolic process	GO:0044597	4	AKR1C2, AKR1C4, AKR1C1, AKR1C3	9	13	638.87	1.770e-11	6.137e-9
doxorubicin metabolic process	GO:0044598	4	AKR1C2, AKR1C4, AKR1C1, AKR1C3	10	13	574.98	2.949e-11	9.580e-9
male gonad development	GO:0008584	6	DMRT1, SRD5A2, AKR1C3, LHCGR, AMHR2, LHB	117	13	73.72	8.763e-11	2.544e-8
steroid metabolic process	GO:0008202	6	AKR1C2, AKR1C4, SRD5A2, CYP17A1, AKR1C1, AKR1C3	135	13	63.89	2.092e-10	5.549e-8
monocarboxylic acid metabolic process	GO:0032787	4	AKR1C2, AKR1C4, AKR1C1, AKR1C3	17	13	338.23	3.333e-10	8.407e-8
alcohol metabolic process	GO:0006066	4	AKR1C2, AKR1C4, AKR1C1, AKR1C3	18	13	319.44	4.284e-10	1.047e-7
prostaglandin metabolic process	GO:0006693	4	AKR1C2, AKR1C4, AKR1C1, AKR1C3	30	13	191.66	3.819e-9	7.348e-7
testosterone biosynthetic process	GO:0061370	3	HSD17B3, SRD5A2, AKR1C3	6	13	718.73	5.254e-9	9.749e-7
androgen biosynthetic process	GO:0006702	3	HSD17B3, SRD5A2, CYP17A1	9	13	479.15	2.204e-8	3.396e-6
male genitalia development	GO:0030539	3	HSD17B3, SRD5A2, LHCGR	19	13	226.97	2.532e-7	2.646e-5
lipid metabolic process	GO:0006629	7	AKR1C2, AKR1C4, HSD17B3, SRD5A2, CYP17A1, AKR1C1, AKR1C3	840	13	11.98	4.895e-7	4.598e-5