

GeDiPNet Cluster 149 -- 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 06:46:55

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
positive regulation of male gonad development	GO:2000020	7	NR5A1, DHX37, SOX9, SRY, ZFPM2, WT1, DMRT1	8	43	380.26	1.632e-18	2.130e-15
male sex determination	GO:0030238	6	NR5A1, DHH, SOX9, SRY, NR0B1, DMRT1	12	43	217.29	9.436e-14	5.198e-11
female gamete generation	GO:0007292	5	BMP15, FSHR, MSH4, HROB, MCM9	21	43	103.47	1.004e-9	2.248e-7
Sertoli cell differentiation	GO:0060008	4	NR5A1, SOX9, NR0B1, DMRT1	9	43	193.15	3.036e-9	5.963e-7
male gonad development	GO:0008584	7	FSHR, NR5A1, SOX9, GATA4, NR0B1, WT1, DMRT1	117	43	26.00	8.415e-9	1.477e-6
negative regulation of female gonad development	GO:2000195	3	NR5A1, ZFPM2, WT1	3	43	434.58	1.135e-8	1.905e-6
Sertoli cell development	GO:0060009	4	FSHR, SOX9, HSD17B4, DMRT1	13	43	133.72	1.711e-8	2.727e-6
sex determination	GO:0007530	3	NR5A1, NR0B1, WT1	8	43	162.97	6.305e-7	5.687e-5
Leydig cell differentiation	GO:0033327	3	NR5A1, DHH, NR0B1	11	43	118.52	1.849e-6	1.353e-4
gonad development	GO:0008406	3	FSHR, NR0B1, WT1	16	43	81.48	6.224e-6	3.573e-4
positive regulation of transcription by RNA polymerase II	GO:0045944	12	NR5A1, SOX9, SRY, GATA4, WWOX, ZFPM2, WT1, FIGLA, MLX, ESR2, CHD7, DMRT1	1208	43	4.32	1.186e-5	5.952e-4
adrenal gland development	GO:0030325	3	NR5A1, NR0B1, WT1	24	43	54.32	2.221e-5	9.746e-4
sex differentiation	GO:0007548	3	CBX2, SRY, DMRT1	26	43	50.14	2.844e-5	1.173e-3
female gonad development	GO:0008585	3	FSHR, NR5A1, NUP107	27	43	48.29	3.194e-5	1.282e-3
DNA recombination	GO:0006310	4	PSMC3IP, SPIDR, ZSWIM7, HROB	110	43	15.80	1.175e-4	3.419e-3