

GeDiPNet Cluster 70 -- 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 12:09:57

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
atrioventricular canal development	GO:0036302	3	CHD7, GATA4, GATA6	11	17	299.79	1.027e-7	1.247e-5
endocardial cushion development	GO:0003197	3	GATA4, TBX5, CRELD1	13	17	253.67	1.778e-7	1.994e-5
regulation of DNA-templated transcription	GO:0006355	9	CHD7, FOXP1, GATA4, GATA6, NR1D2, TBX5, MEF2C, NR2F2, DVL2	1454	17	6.80	1.396e-6	1.097e-4
cardiac muscle cell differentiation	GO:0055007	3	GATA4, GATA6, TBX5	30	17	109.92	2.501e-6	1.761e-4
positive regulation of DNA-templated transcription	GO:0045893	7	GATA4, GATA6, NR1D2, TBX5, MEF2C, NR2F2, DEAF1	778	17	9.89	2.847e-6	1.950e-4
positive regulation of cardiac muscle cell proliferation	GO:0060045	3	GATA6, TBX5, MEF2C	32	17	103.05	3.051e-6	2.062e-4
heart development	GO:0007507	5	GATA4, TBX5, GJA1, MEF2C, DVL2	273	17	20.13	3.438e-6	2.274e-4
positive regulation of transcription by RNA polymerase II	GO:0045944	8	CHD7, GATA4, GATA6, NR1D2, TBX5, MEF2C, NR2F2, DVL2	1208	17	7.28	4.280e-6	2.702e-4
NMDA selective glutamate receptor signaling pathway	GO:0098989	2	MEF2C, DLG4	6	17	366.41	1.166e-5	5.954e-4
atrioventricular node development	GO:0003162	2	GATA4, GATA6	6	17	366.41	1.166e-5	5.954e-4
negative regulation of transcription by RNA polymerase II	GO:0000122	7	FOXP1, GATA4, GATA6, NR1D2, MEF2C, NR2F2, DEAF1	1002	17	7.68	1.510e-5	7.317e-4
sinoatrial node development	GO:0003163	2	GATA6, TBX5	8	17	274.81	2.174e-5	9.721e-4
positive regulation of neuron projection arborization	GO:0150012	2	DLG4, DVL2	8	17	274.81	2.174e-5	9.721e-4
outflow tract morphogenesis	GO:0003151	3	ELN, MEF2C, DVL2	63	17	52.34	2.401e-5	1.044e-3
heart looping	GO:0001947	3	GATA4, MEF2C, DVL2	64	17	51.53	2.518e-5	1.083e-3