

GeDiPNet Cluster 348 -- 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 03:31:17

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
anatomical structure morphogenesis	GO:0009653	6	FRAS1, FREM1, FREM2, GATA6, GLI3, PAX3	160	22	31.85	2.389e-8	3.603e-6
positive regulation of cardiac muscle myoblast proliferation	GO:0110024	2	MEIS2, GATA6	3	22	566.27	3.966e-6	2.540e-4
pancreas development	GO:0031016	3	MEIS2, GATA6, MET	30	22	84.94	5.633e-6	3.363e-4
metanephros development	GO:0001656	3	FBN1, GLI3, NIPBL	38	22	67.06	1.163e-5	5.944e-4
heart development	GO:0007507	5	FBN1, FREM2, GLI3, NIPBL, ZFPM2	273	22	15.56	1.378e-5	6.809e-4
ventricular septum morphogenesis	GO:0060412	3	FGFRL1, SLIT3, ZFPM2	41	22	62.15	1.467e-5	7.147e-4
positive regulation of transcription by RNA polymerase II	GO:0045944	8	MEIS2, CDK8, GATA6, GLI3, MET, NIPBL, PAX3, ZFPM2	1208	22	5.63	4.206e-5	1.612e-3
negative regulation of transcription by RNA polymerase II	GO:0000122	7	MEIS2, SIN3A, GATA6, GLI3, NIPBL, ZFPM2, SIN3B	1002	22	5.93	1.045e-4	3.195e-3
cell communication	GO:0007154	3	FRAS1, FREM1, FREM2	80	22	31.85	1.097e-4	3.307e-3
response to growth factor	GO:0070848	2	MEIS2, GATA6	14	22	121.34	1.194e-4	3.517e-3
regulation of DNA-templated transcription	GO:0006355	8	MEIS2, SIN3A, GATA6, GLI3, MN1, MYRF, PAX3, SIN3B	1454	22	4.67	1.565e-4	4.320e-3
in utero embryonic development	GO:0001701	4	SIN3A, GATA6, GLI3, ZFPM2	252	22	13.48	1.951e-4	5.073e-3
embryonic digestive tract morphogenesis	GO:0048557	2	GLI3, NIPBL	18	22	94.38	2.001e-4	5.166e-3
animal organ development	GO:0048513	3	FRAS1, GATA6, MET	102	22	24.98	2.255e-4	5.588e-3
lung development	GO:0030324	3	FBN1, GLI3, ZFPM2	108	22	23.59	2.669e-4	6.309e-3