

GeDiPNet Cluster 386 -- Enriched Pathways

Pathway enrichment: KEGG + Reactome, upper-tail hypergeometric test, Benjamini-Hochberg FDR-corrected. Fold enrichment = (overlap / cluster gene count) / (pathway gene count / universe size). Top 15 pathways per cluster by q-value. See scripts/build_cluster_enrichment.php on gedipnet.bicnirrh.res.in. Data as of: 2026-10-07 03:30:09. · Rows: 15 · Generated: 2026-10-07 21:41:02

Pathway	Source	Overlap Genes	Overlap Gene Names	Pathway Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
Elastic fibre formation	Reactome	1	ITGB6	18	3	222.41	4.490e-3	4.079e-2
Steroid biosynthesis	KEGG	1	LSS	20	3	200.17	4.988e-3	4.365e-2
Cholesterol biosynthesis	Reactome	1	LSS	21	3	190.63	5.237e-3	4.504e-2
Molecules associated with elastic fibres	Reactome	1	ITGB6	38	3	105.35	9.463e-3	6.632e-2
Activation of gene expression by SREBF (SREBP)	Reactome	1	LSS	42	3	95.32	1.046e-2	7.051e-2
ECM proteoglycans	Reactome	1	ITGB6	51	3	78.50	1.269e-2	7.878e-2
Integrin cell surface interactions	Reactome	1	ITGB6	81	3	49.42	2.010e-2	1.031e-1
Arrhythmogenic right ventricular cardiomyopathy	KEGG	1	ITGB6	86	3	46.55	2.133e-2	1.068e-1
ECM-receptor interaction	KEGG	1	ITGB6	89	3	44.98	2.207e-2	1.089e-1
Hypertrophic cardiomyopathy	KEGG	1	ITGB6	99	3	40.44	2.453e-2	1.153e-1
Dilated cardiomyopathy	KEGG	1	ITGB6	105	3	38.13	2.600e-2	1.190e-1
Post-translational protein phosphorylation	Reactome	1	AHSG	108	3	37.07	2.674e-2	1.209e-1
Platelet degranulation	Reactome	1	AHSG	123	3	32.55	3.041e-2	1.299e-1
Regulation of Insulin-like Growth Factor (IGF) transport and uptake by Insulin-like Growth Factor Binding Proteins (IGFBPs)	Reactome	1	AHSG	125	3	32.03	3.090e-2	1.310e-1
Focal adhesion	KEGG	1	ITGB6	203	3	19.72	4.986e-2	1.711e-1