

GeDiPNet Cluster 545 -- 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: 2026-10-20 03:30:09. · Rows: 15 · Generated: 2026-10-19 23:21:11

Pathway	Source	Overlap Genes	Overlap Gene Names	Pathway Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
HDL remodeling	Reactome	1	ALB	10	3	400.33	2.496e-3	2.231e-2
Transport of organic anions	Reactome	1	ALB	12	3	333.61	2.995e-3	2.538e-2
Scavenging of heme from plasma	Reactome	1	ALB	13	3	307.95	3.244e-3	2.694e-2
Dissolution of Fibrin Clot	Reactome	1	PLAU	13	3	307.95	3.244e-3	2.694e-2
Heme degradation	Reactome	1	ALB	14	3	285.95	3.493e-3	2.829e-2
Heme biosynthesis	Reactome	1	ALB	14	3	285.95	3.493e-3	2.829e-2
Recycling of bile acids and salts	Reactome	1	ALB	16	3	250.21	3.992e-3	3.122e-2
Metabolism of Angiotensinogen to Angiotensins	Reactome	1	AGT	17	3	235.49	4.241e-3	3.256e-2
Renin-angiotensin system	KEGG	1	AGT	23	3	174.06	5.735e-3	4.000e-2
Cortisol synthesis and secretion	KEGG	1	AGT	65	3	61.59	1.615e-2	7.583e-2
Renin secretion	KEGG	1	AGT	69	3	58.02	1.714e-2	7.849e-2
Thyroid hormone synthesis	KEGG	1	ALB	75	3	53.38	1.862e-2	8.221e-2
Complement and coagulation cascades	KEGG	1	PLAU	88	3	45.49	2.182e-2	9.013e-2
Aldosterone synthesis and secretion	KEGG	1	AGT	98	3	40.85	2.428e-2	9.591e-2
Prostate cancer	KEGG	1	PLAU	98	3	40.85	2.428e-2	9.591e-2