

GeDiPNet Cluster 57 -- 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 13:19:34

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
cholesterol homeostasis	GO:0042632	29	NR5A2, ABCG5, ABCG8, APOB, APOE, LCAT, LDLR, LPL, APOA5, LDLRAP1, PCSK9, CYP7A1	112	246	19.67	1.176e-29	6.049e-26
triglyceride homeostasis	GO:0070328	18	ABCG5, ABCG8, APOE, LPL, APOA5, ANGPTL4, APOC1, GCKR, LIPC, MLXIPL, CETP, PLA2G12B	38	246	35.98	1.999e-24	5.780e-21
lipoprotein metabolic process	GO:0042157	15	APOB, APOE, LCAT, LDLR, PPARA, APOA5, PCSK9, APOC1, ABCA1, APOA1, APOA2, APOA4	26	246	43.83	2.732e-22	6.048e-19
cholesterol metabolic process	GO:0008203	23	APOB, APOE, LCAT, LDLR, PON1, LEPR, APOA5, LDLRAP1, PCSK9, APOC1, CYP7A1, HMGCR	107	246	16.33	1.062e-21	2.123e-18
reverse cholesterol transport	GO:0043691	12	APOE, LCAT, LIPC, CETP, ABCA1, CES1, APOA1, APOA2, APOA4, APOC3, APOC2, SCARB1	17	246	53.62	1.208e-19	1.854e-16
high-density lipoprotein particle remodeling	GO:0034375	12	APOE, LCAT, LPL, PLTP, APOC1, LIPC, CETP, APOA1, APOA2, APOA4, APOC3, SCARB1	21	246	43.41	5.479e-18	6.541e-15
cholesterol efflux	GO:0033344	13	ABCG5, ABCG8, APOB, APOE, APOA5, APOC1, ABCA1, APOA1, APOA2, APOA4, APOC3, APOC2	31	246	31.86	4.337e-17	4.515e-14
cholesterol transport	GO:0030301	12	APOB, LCAT, LDLR, MSR1, LDLRAP1, LIPC, CETP, ABCA1, APOA1, APOA2, NPC1L1, SCARB1	28	246	32.56	5.227e-16	4.312e-13
lipid metabolic process	GO:0006629	45	AKR1B1, ALDH3A1, ALOX5, APOB, APOE, LCAT, LDLR, PTGS2, LPL, PLTP, PPARA, LDLRAP1	840	246	4.07	6.233e-16	5.070e-13
very-low-density lipoprotein particle remodeling	GO:0034372	8	APOE, LCAT, LPL, LIPC, APOH, CETP, APOA4, APOC2	8	246	75.96	8.051e-16	6.390e-13
phospholipid efflux	GO:0033700	9	APOE, APOA5, APOC1, ABCA1, APOA1, APOA2, APOA4, APOC3, APOC2	13	246	52.59	7.006e-15	4.650e-12
lipid transport	GO:0006869	21	ABCG5, ABCG8, APOB, APOE, LDLR, PLTP, APOA5, APOC1, CERT1, LPA, CETP, SLC10A1	189	246	8.44	7.601e-14	4.268e-11
triglyceride metabolic process	GO:0006641	11	APOE, LPL, APOA5, PCSK9, APOC1, CETP, APOA2, APOC3, MTP, INSIG2, LMF1	39	246	21.43	1.992e-12	8.552e-10
chylomicron remnant clearance	GO:0034382	6	APOE, APOC1, LIPC, APOC3, APOC2, LMF1	6	246	75.96	4.898e-12	1.921e-9
steroid metabolic process	GO:0008202	16	APOB, APOE, LCAT, LDLR, LDLRAP1, PCSK9, CYP7A1, HMGCR, CETP, ABCA1, SREBF2, APOA1	135	246	9.00	2.862e-11	9.340e-9