

GeDiPNet Shared-Gene Disease Pairs

Similarity: Jaccard index on shared curated genes (disease_gdp). Significance: upper-tail hypergeometric test ($P(X \geq k)$), Benjamini-Hochberg FDR-corrected across all tested pairs. Corroborated Shared Genes: count of shared genes backed by ≥ 2 distinct disease_gdp.main_source values combined across both diseases (e.g. GWAS-backed for one, ClinVar-backed for the other still counts); Shared Gene Names lists each gene's own source count in parentheses. Overlap Coefficient: shared genes / MIN(each disease's own total gene count) -- complements the Jaccard-based Similarity Score by showing how much of the SMALLER disease's entire known gene-set is covered by this pair, which Jaccard (dividing by the union) can understate. Shared Cluster: cluster id if both diseases fall in the same label-propagation cluster (scripts/build_disease_clusters.php), blank otherwise. See scripts/build_related.php on gedipnet.bicnirrh.res.in. Data as of: 2026-10-20 03:00:20. Filters applied: disease name contains "Hepatic angiomyolipoma" (6 matching pairs). · Rows: 6 · Generated: 2026-10-20 04:30:01

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Hepatic angiomyolipoma	Melanocytic skin neoplasm	4	0	SPEN (1), ARHGAP35 (1), TSC2 (1), BAP1 (1)	0.10526	0.44444	1.877e-9	1.587e-8	
Hepatic angiomyolipoma	Mucoepidermoid carcinoma of submandibular gland	3	0	ERBB4 (1), KMT2D (1), BAP1 (1)	0.13043	0.33333	7.570e-8	5.384e-7	
Epithelioid hemangioendothelioma	Hepatic angiomyolipoma	2	0	ERBB4 (1), TSC2 (1)	0.14286	0.33333	4.497e-6	2.519e-5	
Amyotrophic lateral sclerosis type 19	Hepatic angiomyolipoma	1	1	ERBB4 (2)	0.10000	1.00000	5.811e-4	1.000e-3	
Hepatic angiomyolipoma	Radio-tartaglia syndrome	1	1	SPEN (2)	0.10000	1.00000	5.811e-4	1.000e-3	
Hepatic angiomyolipoma	Soft tissue neoplasms	1	1	ERBB4 (2)	0.09091	0.50000	1.162e-3	1.729e-3	