

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: 2026-10-11 03:00:14. Filters applied: disease name contains "Extraskkeletal ewing sarcoma" (6 matching pairs). · Rows: 6 · Generated: 2026-10-11 06:17:27

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Ewing sarcoma	Extraskkeletal ewing sarcoma	1	1	EWSR1 (3)	0.11111	0.25000	1.298e-3	2.063e-3	
Angiomatoid fibrous histiocyoma	Extraskkeletal ewing sarcoma	1	0	EWSR1 (1)	0.16667	0.50000	5.195e-4	1.061e-3	
bleeding disorder, platelet-type, 21	Extraskkeletal ewing sarcoma	1	1	FLI1 (2)	0.20000	1.00000	2.598e-4	6.509e-4	309
Extraskkeletal ewing sarcoma	Paris-rousseau thrombocytopenia	1	1	FLI1 (2)	0.20000	1.00000	2.598e-4	6.509e-4	309
Extraskkeletal ewing sarcoma	Peripheral primitive neuroectodermal tumor	1	0	FLI1 (1)	0.20000	1.00000	2.598e-4	6.509e-4	309
Extraskkeletal ewing sarcoma	Skeletal ewing sarcoma	3	0	ERG (1), EWSR1 (1), FLI1 (1)	0.42857	0.75000	6.574e-11	6.659e-10	309