

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 "Ovarian angiosarcoma" (9 matching pairs). · Rows: 9 · Generated: 2026-10-20 02:11:42

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Malignant urinary system neoplasm	Ovarian angiosarcoma	3	0	ARID1A (1), HGF (1), ATR (1)	0.13636	0.42857	3.834e-8	2.843e-7	
Infiltrating bladder urothelial carcinoma sarcomatoid variant	Ovarian angiosarcoma	2	0	ERBB3 (1), RBM10 (1)	0.12500	0.28571	7.866e-6	4.291e-5	
Deafness, autosomal recessive 39	Ovarian angiosarcoma	1	0	HGF (1)	0.12500	1.00000	4.520e-4	8.260e-4	
Erythroleukemia, familial	Ovarian angiosarcoma	1	0	ERBB3 (1)	0.12500	1.00000	4.520e-4	8.260e-4	
Familial telangiectasia cancer syndrome	Ovarian angiosarcoma	1	1	ATR (3)	0.12500	1.00000	4.520e-4	8.260e-4	
Myelofibrosis with myeloid metaplasia	Ovarian angiosarcoma	1	0	MPL (1)	0.12500	1.00000	4.520e-4	8.260e-4	
Ovarian angiosarcoma	Visceral neuropathy, familial, 1, autosomal recessive	1	0	ERBB3 (1)	0.12500	1.00000	4.520e-4	8.260e-4	
Ovarian angiosarcoma	Tarp syndrome	1	1	RBM10 (2)	0.12500	1.00000	4.520e-4	8.260e-4	
Ovarian angiosarcoma	Urinary tract carcinoma	1	0	HGF (1)	0.12500	1.00000	4.520e-4	8.260e-4	