

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 "mosaic variegated aneuploidy syndrome 1" (5 matching pairs). · Rows: 5 · Generated: 2026-10-10 21:55:54

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Mosaic variegated aneuploidy	mosaic variegated aneuploidy syndrome 1	1	1	BUB1B (7)	0.08333	1.00000	7.144e-4	1.335e-3	
mosaic variegated aneuploidy syndrome 1	Rhabdomyosarcoma	1	1	BUB1B (3)	0.03571	1.00000	1.753e-3	2.609e-3	
Growth disorder	mosaic variegated aneuploidy syndrome 1	1	1	BUB1B (2)	0.02778	1.00000	2.273e-3	3.191e-3	
Cerebral palsy	mosaic variegated aneuploidy syndrome 1	1	1	BUB1B (2)	0.02128	1.00000	2.987e-3	3.949e-3	
Microcephaly	mosaic variegated aneuploidy syndrome 1	1	1	BUB1B (3)	0.00935	1.00000	6.884e-3	8.163e-3	