

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 "Perisylvian syndrome" (8 matching pairs). · Rows: 8 · Generated: 2026-10-11 18:29:58

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Perisylvian syndrome	Polymicrogyria	6	5	CCND2 (2), PI4KA (2), ADGRG1 (3), SRPX2 (2), TUBB2B (2), SCN3A (1)	0.20000	0.60000	2.002e-15	2.945e-14	
Bilateral perisylvian polymicrogyria	Perisylvian syndrome	3	3	PI4KA (2), ADGRG1 (2), SRPX2 (2)	0.27273	1.00000	1.973e-10	1.915e-9	
Perisylvian syndrome	Tubulinopathy	2	2	TUBB2B (3), TUBA1A (3)	0.15385	0.50000	2.276e-6	1.255e-5	
Bilateral frontoparietal polymicrogyria	Perisylvian syndrome	1	1	ADGRG1 (5)	0.09091	1.00000	6.494e-4	1.241e-3	
Complex partial epilepsy	Perisylvian syndrome	1	1	SCN3A (2)	0.09091	1.00000	6.494e-4	1.241e-3	
megalencephaly-polymicrogyria-polydactyly-hydrocephalus syndrome 3	Perisylvian syndrome	1	1	CCND2 (3)	0.09091	1.00000	6.494e-4	1.241e-3	
Other specified diabetes mellitus with unspecified complications	Perisylvian syndrome	1	0	WFS1 (1)	0.09091	1.00000	6.494e-4	1.241e-3	
Perisylvian syndrome	Wolfram-like syndrome	1	1	WFS1 (7)	0.09091	1.00000	6.494e-4	1.241e-3	