

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 "Obsolete early infantile epileptic encephalopathy" (5 matching pairs). · Rows: 5 · Generated: 2026-10-20 03:12:09

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Cerebralpalsy, spasticquadriplegic,1	Obsolete early infantile epileptic encephalopathy	1	1	GAD1 (2)	0.33333	1.00000	1.291e-4	3.269e-4	
Continuous spike and wave during slow wave sleep syndrome	Obsolete early infantile epileptic encephalopathy	1	1	FRRS1L (2)	0.25000	0.50000	2.583e-4	5.384e-4	
Chiari-frommel syndrome	Obsolete early infantile epileptic encephalopathy	1	1	GAD1 (2)	0.11111	0.50000	9.038e-4	1.411e-3	
Obsolete early infantile epileptic encephalopathy	Pyridoxine dependent epilepsy	1	1	GAD1 (2)	0.10000	0.50000	1.033e-3	1.574e-3	
Hyperproinsulinemia	Obsolete early infantile epileptic encephalopathy	1	1	GAD1 (3)	0.09091	0.50000	1.162e-3	1.729e-3	