

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: 2026-10-10 03:00:13. Filters applied: disease name contains "Glucocorticoid deficiency" (10 matching pairs). · Rows: 10 · Generated: 2026-10-10 15:07:36

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Glucocorticoid deficiency with achalasia	Triple a syndrome	3	3	TRAPPC11 (2), AAAS (4), GMPPA (2)	0.75000	1.00000	1.644e-12	1.922e-11	295
Glucocorticoid deficiency	Primary adrenal insufficiency	2	0	CUX1 (1), MYL10 (1)	0.20000	1.00000	3.037e-7	1.951e-6	
alacrima, achalasia, and intellectual disability syndrome	Glucocorticoid deficiency with achalasia	1	1	GMPPA (2)	0.25000	1.00000	1.948e-4	5.354e-4	295
Glucocorticoid deficiency with achalasia	Intellectual developmental disorder movement cerebellar	1	1	TRAPPC11 (3)	0.25000	1.00000	1.948e-4	5.354e-4	295
Glucocorticoid deficiency with achalasia	Intellectual disability with strabismus syndrome	1	0	GMPPA (1)	0.16667	0.33333	5.844e-4	1.156e-3	295
Congenital lipid adrenal hyperplasia	Glucocorticoid deficiency	1	1	STAR (4)	0.10000	1.00000	5.845e-4	1.156e-3	
Glucocorticoid deficiency	Intermittent explosive disorder	1	0	COMT (1)	0.10000	1.00000	5.845e-4	1.156e-3	
Esophageal achalasia	Glucocorticoid deficiency with achalasia	1	1	AAAS (2)	0.14286	0.33333	7.792e-4	1.405e-3	
Dysphonia	Glucocorticoid deficiency	1	0	COMT (1)	0.09091	0.50000	1.169e-3	1.895e-3	
Glucocorticoid deficiency	Toe syndactyly-telecanthus-anogenital and renal malformations syndrome	1	1	STAR (2)	0.09091	0.50000	1.169e-3	1.895e-3	