

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 "Adrenocorticotrophic hormone deficiency" (7 matching pairs). · Rows: 7 · Generated: 2026-10-20 00:58:31

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Adrenocorticotrophic hormone deficiency	Major depressive disorder	1	1	TBX19 (2)	0.00051	1.00000	1.265e-1	1.273e-1	
Congenital isolated adrenocorticotrophic hormone deficiency	Major depressive disorder	1	1	TBX19 (5)	0.00051	1.00000	1.265e-1	1.273e-1	
Adrenocorticotrophic hormone deficiency	Pituitary stalk interruption syndrome	1	1	TBX19 (2)	0.03030	1.00000	2.066e-3	2.785e-3	
Congenital isolated adrenocorticotrophic hormone deficiency	Pituitary stalk interruption syndrome	1	1	TBX19 (5)	0.03030	1.00000	2.066e-3	2.785e-3	
Adrenocorticotrophic hormone deficiency	Duodenitis	1	1	TBX19 (2)	0.11111	1.00000	5.165e-4	9.125e-4	
Congenital isolated adrenocorticotrophic hormone deficiency	Duodenitis	1	1	TBX19 (6)	0.11111	1.00000	5.165e-4	9.125e-4	
Adrenocorticotrophic hormone deficiency	Congenital isolated adrenocorticotrophic hormone deficiency	1	1	TBX19 (5)	0.50000	1.00000	6.457e-5	1.985e-4	