

GeDiPNet Cluster 24 -- Pairs Within Cluster

Similarity: Jaccard index on shared curated genes (disease_gdp). Significance: upper-tail hypergeometric test, Benjamini-Hochberg FDR-corrected across all tested pairs. See scripts/build_related.php on gedipnet.bicnirrh.res.in. Data as of: 2026-10-07 17:17:47. · Rows: 59 · Generated: 2026-10-07 17:37:34

Disease A	Disease B	Similarity Score	Shared Genes	P-value	FDR Q-value
Erythrocytosis	Secondary polycythemia	0.57143	8	1.645e-26	4.423e-25
Erythrocytosis	Polycythemia	0.37500	9	4.926e-25	1.208e-23
Anemia	Polycythemia	0.13043	12	1.496e-23	3.379e-22
Polycythemia	Secondary polycythemia	0.27273	6	4.102e-17	6.756e-16
Anemia	Hematologic disease	0.08421	8	2.333e-14	3.192e-13
Chloracne	Thalassemia	0.14706	5	3.292e-14	4.437e-13
Hemoglobin barts fetalis syndrome	Hemoglobin h disease	0.75000	3	1.644e-12	1.934e-11
Hemoglobin m disease	Unstable hemoglobin disease	0.75000	3	1.644e-12	1.934e-11
Alpha thalassemia	Hemoglobin h disease	0.75000	3	1.644e-12	1.934e-11
Alpha thalassemia	Hemoglobin barts fetalis syndrome	0.75000	3	1.644e-12	1.934e-11
Hemoglobin m disease	Thalassemia	0.50000	3	1.644e-11	1.781e-10
Thalassemia	Unstable hemoglobin disease	0.50000	3	1.644e-11	1.781e-10
Hemoglobin m disease	Methemoglobinemia	0.42857	3	3.288e-11	3.433e-10
Methemoglobinemia	Unstable hemoglobin disease	0.42857	3	3.288e-11	3.433e-10
Secondary polycythemia	Unstable hemoglobin disease	0.33333	3	9.205e-11	9.200e-10
Hemoglobin m disease	Secondary polycythemia	0.33333	3	9.205e-11	9.200e-10
Polycythemia	Polycythemia vera	0.16000	4	2.078e-10	2.023e-9
Methemoglobinemia	Thalassemia	0.33333	3	3.287e-10	3.138e-9
Erythrocytosis	Hemoglobin m disease	0.21429	3	4.701e-10	4.410e-9
Secondary polycythemia	Thalassemia	0.27273	3	9.201e-10	8.379e-9
erythrocytosis, familial, 7	methemoglobinemia, alpha type	0.66667	2	8.436e-9	6.837e-8
Chloracne	Unstable hemoglobin disease	0.08824	3	8.968e-9	7.235e-8
Chloracne	Hemoglobin m disease	0.08824	3	8.968e-9	7.235e-8
methemoglobinemia, alpha type	Unstable hemoglobin disease	0.50000	2	2.531e-8	1.932e-7
Hemoglobin m disease	methemoglobinemia, alpha type	0.50000	2	2.531e-8	1.932e-7
Hemoglobin h disease	methemoglobinemia, alpha type	0.50000	2	2.531e-8	1.932e-7
Hemoglobin barts fetalis syndrome	methemoglobinemia, alpha type	0.50000	2	2.531e-8	1.932e-7
erythrocytosis, familial, 7	Unstable hemoglobin disease	0.50000	2	2.531e-8	1.932e-7
Alpha thalassemia	methemoglobinemia, alpha type	0.50000	2	2.531e-8	1.932e-7
Alpha thalassemia	erythrocytosis, familial, 7	0.50000	2	2.531e-8	1.932e-7

Disease A	Disease B	Similarity Score	Shared Genes	P-value	FDR Q-value
erythrocytosis, familial, 7	Hemoglobin barts fetalis syndrome	0.50000	2	2.531e-8	1.932e-7
erythrocytosis, familial, 7	Hemoglobin h disease	0.50000	2	2.531e-8	1.932e-7
erythrocytosis, familial, 7	Hemoglobin m disease	0.50000	2	2.531e-8	1.932e-7
Erythrocytosis	Polycythemia vera	0.15000	3	3.937e-8	2.960e-7
Hemoglobin barts fetalis syndrome	Hemoglobin m disease	0.40000	2	7.592e-8	5.427e-7
Alpha thalassemia	Hemoglobin m disease	0.40000	2	7.592e-8	5.427e-7
Hemoglobin h disease	Hemoglobin m disease	0.40000	2	7.592e-8	5.427e-7
erythrocytosis, familial, 7	Thalassemia	0.33333	2	8.436e-8	5.953e-7
methemoglobinemia, alpha type	Thalassemia	0.33333	2	8.436e-8	5.953e-7
Hematologic disease	Polycythemia vera	0.12000	3	1.122e-7	7.835e-7
Methemoglobinemia	methemoglobinemia, alpha type	0.28571	2	1.265e-7	8.736e-7
erythrocytosis, familial, 7	Methemoglobinemia	0.28571	2	1.265e-7	8.736e-7
Chloracne	Methemoglobinemia	0.08108	3	1.786e-7	1.194e-6
Hemoglobin m disease	Polycythemia vera	0.18182	2	9.108e-7	5.383e-6
Polycythemia vera	Unstable hemoglobin disease	0.18182	2	9.108e-7	5.383e-6
Hematologic disease	Polycythemia	0.08571	3	1.285e-6	7.421e-6
Polycythemia vera	Thalassemia	0.15385	2	3.034e-6	1.636e-5
erythrocytosis, familial, 7	HBA1-related alpha thalassemia spectrum	0.33333	1	1.299e-4	3.908e-4
HBA1-related alpha thalassemia spectrum	methemoglobinemia, alpha type	0.33333	1	1.299e-4	3.908e-4
erythrocytosis, familial, 7	HBA2-related alpha thalassemia spectrum	0.33333	1	1.299e-4	3.908e-4
HBA2-related alpha thalassemia spectrum	methemoglobinemia, alpha type	0.33333	1	1.299e-4	3.908e-4
HBA1-related alpha thalassemia spectrum	Hemoglobin h disease	0.25000	1	1.948e-4	5.325e-4
HBA2-related alpha thalassemia spectrum	Hemoglobin h disease	0.25000	1	1.948e-4	5.325e-4
Alpha thalassemia	HBA2-related alpha thalassemia spectrum	0.25000	1	1.948e-4	5.325e-4
HBA1-related alpha thalassemia spectrum	Hemoglobin barts fetalis syndrome	0.25000	1	1.948e-4	5.325e-4
Alpha thalassemia	HBA1-related alpha thalassemia spectrum	0.25000	1	1.948e-4	5.325e-4
HBA2-related alpha thalassemia spectrum	Hemoglobin barts fetalis syndrome	0.25000	1	1.948e-4	5.325e-4
Bisphosphoglycerate mutase deficiency	Secondary polycythemia	0.11111	1	5.195e-4	1.058e-3
Bisphosphoglycerate mutase deficiency	Erythrocytosis	0.07143	1	8.443e-4	1.497e-3