

GeDiPNet Cluster 1 -- 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: 2026-10-08 03:00:12. · Rows: 241 · Generated: 2026-10-08 00:15:40

Disease A	Disease B	Similarity Score	Shared Genes	P-value	FDR Q-value
Immune system disease	Myasthenia gravis	0.30769	20	8.026e-43	3.580e-41
Benign hereditary chorea	Chorea	0.36842	7	7.826e-22	1.626e-20
Interstitial cystitis	Pemphigus vulgaris	0.14286	6	1.450e-15	2.156e-14
Henoch schoenlein purpura	Pemphigus vulgaris	0.23810	5	2.492e-14	3.403e-13
Uveomeningoencephalitic syndrome	Vogt-koyanagi-harada disease	0.36364	4	5.229e-13	6.511e-12
Myasthenia gravis	Uveomeningoencephalitic syndrome	0.12195	5	1.457e-12	1.749e-11
Benign mucous membrane pemphigoid	Benign mucous membrane pemphigoid with ocular involvement	0.75000	3	1.644e-12	1.934e-11
Autoimmune polyendocrine syndrome	Bouillaud's disease	0.60000	3	6.575e-12	7.343e-11
Bouillaud's disease	Oropharyngeal neoplasms	0.60000	3	6.575e-12	7.343e-11
Bullous pemphigoid	Interstitial cystitis	0.10345	6	2.029e-11	2.174e-10
Autoimmune polyendocrine syndrome	Oropharyngeal neoplasms	0.50000	3	2.630e-11	2.787e-10
Bullous pemphigoid	Henoch schoenlein purpura	0.13514	5	3.949e-11	4.095e-10
Latent autoimmune diabetes in adults	Myasthenia gravis	0.10870	5	5.446e-11	5.604e-10
Benign hereditary chorea	Bouillaud's disease	0.37500	3	5.753e-11	5.888e-10
Bouillaud's disease	Pemphigus vulgaris	0.37500	3	5.753e-11	5.888e-10
Bouillaud's disease	Uveomeningoencephalitic syndrome	0.37500	3	5.753e-11	5.888e-10
Antiphospholipid syndrome	Pemphigus vulgaris	0.16667	4	7.224e-11	7.325e-10
Henoch schoenlein purpura	Pemphigus	0.17391	4	9.122e-11	9.165e-10
Bouillaud's disease	Pemphigus	0.33333	3	9.205e-11	9.200e-10
Bullous pemphigoid	Pemphigus vulgaris	0.14815	4	1.320e-10	1.303e-9
Interstitial cystitis	Membranous glomerulonephritis	0.09091	6	1.457e-10	1.433e-9
Autoimmune polyendocrine syndrome	Benign hereditary chorea	0.33333	3	2.301e-10	2.217e-9
Autoimmune polyendocrine syndrome	Pemphigus vulgaris	0.33333	3	2.301e-10	2.217e-9
Benign hereditary chorea	Oropharyngeal neoplasms	0.33333	3	2.301e-10	2.217e-9
Oropharyngeal neoplasms	Pemphigus vulgaris	0.33333	3	2.301e-10	2.217e-9
Autoimmune polyendocrine syndrome	Uveomeningoencephalitic syndrome	0.33333	3	2.301e-10	2.217e-9
Oropharyngeal neoplasms	Uveomeningoencephalitic syndrome	0.33333	3	2.301e-10	2.217e-9
Bullous pemphigoid	Pemphigus	0.14286	4	2.637e-10	2.530e-9
Autoimmune polyendocrine syndrome	Pemphigus	0.30000	3	3.681e-10	3.495e-9
Oropharyngeal neoplasms	Pemphigus	0.30000	3	3.681e-10	3.495e-9

Disease A	Disease B	Similarity Score	Shared Genes	P-value	FDR Q-value
Henoch schoenlein purpura	Interstitial cystitis	0.09259	5	7.630e-10	7.019e-9
Cervical intraepithelial neoplasia	Nasopharyngeal neoplasms	0.08696	4	7.874e-10	7.227e-9
Diffuse large b-cell lymphoma	Lymphoma	0.06731	7	8.791e-10	8.030e-9
Henoch schoenlein purpura	Lupus nephritis	0.08929	5	9.851e-10	8.967e-9
Diabetic nephropathy type 1	Uveomeningoencephalitic syndrome	0.27273	3	1.150e-9	1.041e-8
Bouillaud's disease	Chorea	0.15789	3	1.341e-9	1.206e-8
Bouillaud's disease	Henoch schoenlein purpura	0.15789	3	1.341e-9	1.206e-8
Acute disseminated encephalomyelitis	Henoch schoenlein purpura	0.15789	3	1.341e-9	1.206e-8
Lupus nephritis	Uveomeningoencephalitic syndrome	0.08696	4	1.663e-9	1.485e-8
Antiphospholipid syndrome	Lupus nephritis	0.08621	5	1.775e-9	1.580e-8
Antiphospholipid syndrome	Bouillaud's disease	0.14286	3	1.874e-9	1.657e-8
Benign hereditary chorea	Pemphigus vulgaris	0.25000	3	2.012e-9	1.767e-8
Pemphigus vulgaris	Uveomeningoencephalitic syndrome	0.25000	3	2.012e-9	1.767e-8
Immune system disease	Uveomeningoencephalitic syndrome	0.08000	4	2.423e-9	2.112e-8
Bouillaud's disease	Bullous pemphigoid	0.12500	3	2.911e-9	2.520e-8
Acute disseminated encephalomyelitis	Bullous pemphigoid	0.12500	3	2.911e-9	2.520e-8
Narcolepsy	Pemphigus vulgaris	0.07273	4	3.708e-9	3.173e-8
Central nervous system non-hodgkin lymphoma	Lymphoma	0.07018	4	4.344e-9	3.700e-8
Lymphoma	Uveomeningoencephalitic syndrome	0.07018	4	4.344e-9	3.700e-8
Autoimmune polyendocrine syndrome	Chorea	0.15000	3	5.361e-9	4.528e-8
Chorea	Oropharyngeal neoplasms	0.15000	3	5.361e-9	4.528e-8
Autoimmune polyendocrine syndrome	Henoch schoenlein purpura	0.15000	3	5.361e-9	4.528e-8
Diabetic nephropathy type 1	Latent autoimmune diabetes in adults	0.18750	3	7.223e-9	6.039e-8
Antiphospholipid syndrome	Autoimmune polyendocrine syndrome	0.13636	3	7.489e-9	6.237e-8
Antiphospholipid syndrome	Oropharyngeal neoplasms	0.13636	3	7.489e-9	6.237e-8
Membranous glomerulonephritis	Myasthenia gravis	0.07692	5	1.129e-8	9.048e-8
Autoimmune musculoskeletal system disorder	Uveomeningoencephalitic syndrome	0.17647	3	1.263e-8	1.008e-7
Latent autoimmune diabetes in adults	Uveomeningoencephalitic syndrome	0.17647	3	1.263e-8	1.008e-7
Cutaneous lupus erythematosus	Interstitial cystitis	0.08333	4	1.271e-8	1.013e-7
Bullous pemphigoid	Lymphoma	0.06944	5	1.278e-8	1.018e-7
Bouillaud's disease	Nasopharyngeal neoplasms	0.06818	3	2.029e-8	1.592e-7
Central nervous system non-hodgkin lymphoma	Rosacea	0.15789	3	2.090e-8	1.637e-7
Bouillaud's disease	Narcolepsy	0.05769	3	3.423e-8	2.585e-7
Chorea	Pemphigus vulgaris	0.13043	3	4.681e-8	3.492e-7

Disease A	Disease B	Similarity Score	Shared Genes	P-value	FDR Q-value
Autoimmune musculoskeletal system disorder	Cutaneous lupus erythematosus	0.14286	3	5.946e-8	4.340e-7
Myasthenia gravis	Nasopharyngeal neoplasms	0.06494	5	6.262e-8	4.563e-7
Antiphospholipid syndrome	Benign hereditary chorea	0.12000	3	6.537e-8	4.748e-7
Acute disseminated encephalomyelitis	Benign mucous membrane pemphigoid with ocular involvement	0.40000	2	7.592e-8	5.427e-7
Acute disseminated encephalomyelitis	Bouillaud's disease	0.40000	2	7.592e-8	5.427e-7
Acute disseminated encephalomyelitis	Benign mucous membrane pemphigoid	0.40000	2	7.592e-8	5.427e-7
Benign mucous membrane pemphigoid	Bouillaud's disease	0.40000	2	7.592e-8	5.427e-7
Benign mucous membrane pemphigoid with ocular involvement	Bouillaud's disease	0.40000	2	7.592e-8	5.427e-7
Bouillaud's disease	Skeletal system disease	0.40000	2	7.592e-8	5.427e-7
Bouillaud's disease	Wheat allergic reaction	0.40000	2	7.592e-8	5.427e-7
Skeletal system disease	Wheat allergic reaction	0.40000	2	7.592e-8	5.427e-7
Autoimmune polyendocrine syndrome	Nasopharyngeal neoplasms	0.06667	3	8.099e-8	5.776e-7
Nasopharyngeal neoplasms	Oropharyngeal neoplasms	0.06667	3	8.099e-8	5.776e-7
Cervical intraepithelial neoplasia	Oral cavity carcinoma	0.09375	3	1.073e-7	7.502e-7
Cataplexy and narcolepsy	Narcolepsy	0.05660	3	1.366e-7	9.409e-7
Autoimmune polyendocrine syndrome	Narcolepsy	0.05660	3	1.366e-7	9.409e-7
Acute disseminated encephalomyelitis	Autoimmune polyendocrine syndrome	0.33333	2	1.518e-7	1.033e-6
Acute disseminated encephalomyelitis	Oropharyngeal neoplasms	0.33333	2	1.518e-7	1.033e-6
Autoimmune polyendocrine syndrome	Skeletal system disease	0.33333	2	1.518e-7	1.033e-6
Autoimmune polyendocrine syndrome	Benign mucous membrane pemphigoid	0.33333	2	1.518e-7	1.033e-6
Benign mucous membrane pemphigoid	Oropharyngeal neoplasms	0.33333	2	1.518e-7	1.033e-6
Autoimmune polyendocrine syndrome	Benign mucous membrane pemphigoid with ocular involvement	0.33333	2	1.518e-7	1.033e-6
Benign mucous membrane pemphigoid with ocular involvement	Oropharyngeal neoplasms	0.33333	2	1.518e-7	1.033e-6
Bouillaud's disease	Esophageal achalasia	0.33333	2	1.518e-7	1.033e-6
Oropharyngeal neoplasms	Skeletal system disease	0.33333	2	1.518e-7	1.033e-6
Autoimmune polyendocrine syndrome	Wheat allergic reaction	0.33333	2	1.518e-7	1.033e-6
Oropharyngeal neoplasms	Wheat allergic reaction	0.33333	2	1.518e-7	1.033e-6
Diffuse large b-cell lymphoma	Waldenstrom macroglobulinemia	0.05085	3	1.919e-7	1.279e-6
Arthritis	Pemphigus	0.09375	3	2.380e-7	1.568e-6
Central nervous system non-hodgkin lymphoma	Membranous glomerulonephritis	0.08333	3	2.572e-7	1.683e-6
Autoimmune polyendocrine syndrome	Esophageal achalasia	0.28571	2	3.036e-7	1.958e-6
Esophageal achalasia	Oropharyngeal neoplasms	0.28571	2	3.036e-7	1.958e-6
Henoch schoenlein purpura	Narcolepsy	0.06061	4	3.156e-7	2.031e-6
Cartilage disease	Lymphedema	0.10714	3	3.327e-7	2.139e-6

Disease A	Disease B	Similarity Score	Shared Genes	P-value	FDR Q-value
Bouillaud's disease	Cervical intraepithelial neoplasia	0.25000	2	3.795e-7	2.400e-6
Bouillaud's disease	Cryoglobulinemia	0.25000	2	3.795e-7	2.400e-6
Cryoglobulinemia	Skeletal system disease	0.25000	2	3.795e-7	2.400e-6
Cryoglobulinemia	Wheat allergic reaction	0.25000	2	3.795e-7	2.400e-6
Bouillaud's disease	Diabetic nephropathy type 1	0.25000	2	3.795e-7	2.400e-6
Membranous glomerulonephritis	Pemphigus	0.08108	3	4.110e-7	2.589e-6
Bouillaud's disease	Central nervous system non-hodgkin lymphoma	0.22222	2	5.313e-7	3.282e-6
Central nervous system non-hodgkin lymphoma	Skeletal system disease	0.22222	2	5.313e-7	3.282e-6
Central nervous system non-hodgkin lymphoma	Wheat allergic reaction	0.22222	2	5.313e-7	3.282e-6
Acute disseminated encephalomyelitis	Central nervous system non-hodgkin lymphoma	0.22222	2	5.313e-7	3.282e-6
Bouillaud's disease	Vogt-koyanagi-harada disease	0.22222	2	5.313e-7	3.282e-6
Skeletal system disease	Vogt-koyanagi-harada disease	0.22222	2	5.313e-7	3.282e-6
Vogt-koyanagi-harada disease	Wheat allergic reaction	0.22222	2	5.313e-7	3.282e-6
Bouillaud's disease	Obstructive asthma	0.20000	2	7.084e-7	4.282e-6
Gastritis	Optic neuritis	0.09091	3	7.173e-7	4.333e-6
Autoimmune polyendocrine syndrome	Cervical intraepithelial neoplasia	0.22222	2	7.590e-7	4.550e-6
Cervical intraepithelial neoplasia	Esophageal achalasia	0.22222	2	7.590e-7	4.550e-6
Cervical intraepithelial neoplasia	Oropharyngeal neoplasms	0.22222	2	7.590e-7	4.550e-6
Autoimmune polyendocrine syndrome	Cryoglobulinemia	0.22222	2	7.590e-7	4.550e-6
Cryoglobulinemia	Oropharyngeal neoplasms	0.22222	2	7.590e-7	4.550e-6
Autoimmune polyendocrine syndrome	Diabetic nephropathy type 1	0.22222	2	7.590e-7	4.550e-6
Diabetic nephropathy type 1	Esophageal achalasia	0.22222	2	7.590e-7	4.550e-6
Diabetic nephropathy type 1	Oropharyngeal neoplasms	0.22222	2	7.590e-7	4.550e-6
Autoimmune polyendocrine syndrome	Central nervous system non-hodgkin lymphoma	0.20000	2	1.062e-6	6.229e-6
Autoimmune polyendocrine syndrome	Vogt-koyanagi-harada disease	0.20000	2	1.062e-6	6.229e-6
Central nervous system non-hodgkin lymphoma	Waldenstrom macroglobulinemia	0.20000	2	1.062e-6	6.229e-6
Cutaneous lupus erythematosus	Membranous glomerulonephritis	0.07500	3	1.206e-6	7.013e-6
Bouillaud's disease	Cutaneous lupus erythematosus	0.15385	2	1.391e-6	7.989e-6
Cutaneous lupus erythematosus	Skeletal system disease	0.15385	2	1.391e-6	7.989e-6
Cutaneous lupus erythematosus	Wheat allergic reaction	0.15385	2	1.391e-6	7.989e-6
Bouillaud's disease	Gastroparesis	0.15385	2	1.391e-6	7.989e-6
Lymphedema	Sinusitis	0.08333	3	1.401e-6	8.038e-6
Autoimmune polyendocrine syndrome	Obstructive asthma	0.18182	2	1.416e-6	8.118e-6
Esophageal achalasia	Obstructive asthma	0.18182	2	1.416e-6	8.118e-6

Disease A	Disease B	Similarity Score	Shared Genes	P-value	FDR Q-value
Obstructive asthma	Oropharyngeal neoplasms	0.18182	2	1.416e-6	8.118e-6
Autoimmune musculoskeletal system disorder	Bouillaud's disease	0.14286	2	1.670e-6	9.465e-6
Autoimmune musculoskeletal system disorder	Skeletal system disease	0.14286	2	1.670e-6	9.465e-6
Autoimmune musculoskeletal system disorder	Wheat allergic reaction	0.14286	2	1.670e-6	9.465e-6
Bouillaud's disease	Latent autoimmune diabetes in adults	0.14286	2	1.670e-6	9.465e-6
Benign mucous membrane pemphigoid with ocular involvement	Optic neuritis	0.13333	2	1.973e-6	1.099e-5
Bouillaud's disease	Optic neuritis	0.13333	2	1.973e-6	1.099e-5
Acute disseminated encephalomyelitis	Optic neuritis	0.13333	2	1.973e-6	1.099e-5
Benign mucous membrane pemphigoid	Optic neuritis	0.13333	2	1.973e-6	1.099e-5
Bouillaud's disease	Cartilage disease	0.12500	2	2.302e-6	1.268e-5
Cartilage disease	Skeletal system disease	0.12500	2	2.302e-6	1.268e-5
Cartilage disease	Wheat allergic reaction	0.12500	2	2.302e-6	1.268e-5
Bouillaud's disease	Rosacea	0.12500	2	2.302e-6	1.268e-5
Rosacea	Skeletal system disease	0.12500	2	2.302e-6	1.268e-5
Rosacea	Wheat allergic reaction	0.12500	2	2.302e-6	1.268e-5
Autoimmune polyendocrine syndrome	Cutaneous lupus erythematosus	0.14286	2	2.782e-6	1.510e-5
Autoimmune polyendocrine syndrome	Gastroparesis	0.14286	2	2.782e-6	1.510e-5
Esophageal achalasia	Gastroparesis	0.14286	2	2.782e-6	1.510e-5
Gastroparesis	Oropharyngeal neoplasms	0.14286	2	2.782e-6	1.510e-5
Bouillaud's disease	Lymphedema	0.11111	2	3.035e-6	1.636e-5
Lymphedema	Skeletal system disease	0.11111	2	3.035e-6	1.636e-5
Lymphedema	Wheat allergic reaction	0.11111	2	3.035e-6	1.636e-5
Bouillaud's disease	Thyroiditis	0.11111	2	3.035e-6	1.636e-5
Skeletal system disease	Thyroiditis	0.11111	2	3.035e-6	1.636e-5
Thyroiditis	Wheat allergic reaction	0.11111	2	3.035e-6	1.636e-5
Autoimmune polyendocrine syndrome	Latent autoimmune diabetes in adults	0.13333	2	3.338e-6	1.793e-5
Cervical intraepithelial neoplasia	Obstructive asthma	0.15385	2	3.539e-6	1.892e-5
Autoimmune polyendocrine syndrome	Cartilage disease	0.11765	2	4.601e-6	2.409e-5
Benign mucous membrane pemphigoid with ocular involvement	Gastritis	0.08333	2	5.841e-6	3.003e-5
Bouillaud's disease	Gastritis	0.08333	2	5.841e-6	3.003e-5
Acute disseminated encephalomyelitis	Gastritis	0.08333	2	5.841e-6	3.003e-5
Benign mucous membrane pemphigoid	Gastritis	0.08333	2	5.841e-6	3.003e-5
Bouillaud's disease	Sinusitis	0.08333	2	5.841e-6	3.003e-5
Sinusitis	Skeletal system disease	0.08333	2	5.841e-6	3.003e-5

Disease A	Disease B	Similarity Score	Shared Genes	P-value	FDR Q-value
Sinusitis	Wheat allergic reaction	0.08333	2	5.841e-6	3.003e-5
Autoimmune polyendocrine syndrome	Lymphedema	0.10526	2	6.066e-6	3.107e-5
Autoimmune polyendocrine syndrome	Thyroiditis	0.10526	2	6.066e-6	3.107e-5
Oropharyngeal neoplasms	Thyroiditis	0.10526	2	6.066e-6	3.107e-5
Cervical intraepithelial neoplasia	Gastroparesis	0.12500	2	6.949e-6	3.530e-5
Arthritis	Bouillaud's disease	0.07143	2	8.216e-6	4.128e-5
Latent autoimmune diabetes in adults	Ocular sarcoidosis	0.04412	3	1.089e-5	5.383e-5
Hepatitis c induced liver cirrhosis	Membranous glomerulonephritis	0.06061	2	1.175e-5	5.766e-5
Bouillaud's disease	Bronchitis	0.05714	2	1.334e-5	6.513e-5
Interstitial cystitis	Ocular sarcoidosis	0.04211	4	1.497e-5	7.246e-5
Arthritis	Autoimmune polyendocrine syndrome	0.06897	2	1.642e-5	7.898e-5
Arthritis	Esophageal achalasia	0.06897	2	1.642e-5	7.898e-5
Arthritis	Oropharyngeal neoplasms	0.06897	2	1.642e-5	7.898e-5
Autoimmune polyendocrine syndrome	Bronchitis	0.05556	2	2.665e-5	1.244e-4
Bronchitis	Esophageal achalasia	0.05556	2	2.665e-5	1.244e-4
Bronchitis	Oropharyngeal neoplasms	0.05556	2	2.665e-5	1.244e-4
Anti-neutrophil antibody associated vasculitis	Pemphigus vulgaris	0.06897	2	4.462e-5	2.034e-4
Antiphospholipid syndrome	Ocular sarcoidosis	0.03947	3	5.525e-5	2.317e-4
Oral cavity carcinoma	Pemphigus vulgaris	0.05882	2	6.659e-5	2.374e-4
Autoimmune pancreatitis	autosomal recessive osteopetrosis 3	0.33333	1	1.299e-4	3.908e-4
Anti-neutrophil antibody associated vasculitis	Gastroparesis	0.06061	2	1.164e-4	3.908e-4
Bouillaud's disease	Collagenous colitis	0.25000	1	1.948e-4	5.325e-4
Collagenous colitis	Skeletal system disease	0.25000	1	1.948e-4	5.325e-4
Collagenous colitis	Wheat allergic reaction	0.25000	1	1.948e-4	5.325e-4
Autoimmune polyendocrine syndrome	Collagenous colitis	0.20000	1	2.598e-4	6.484e-4
Collagenous colitis	Esophageal achalasia	0.20000	1	2.598e-4	6.484e-4
Autoimmune pancreatitis	Benign mucous membrane pemphigoid with ocular involvement	0.20000	1	3.896e-4	8.637e-4
Autoimmune pancreatitis	Bouillaud's disease	0.20000	1	3.896e-4	8.637e-4
Acute disseminated encephalomyelitis	Autoimmune pancreatitis	0.20000	1	3.896e-4	8.637e-4
Autoimmune pancreatitis	Tonsil cancer	0.20000	1	3.896e-4	8.637e-4
Benign hereditary chorea	Choreoacanthocytosis	0.12500	1	4.546e-4	9.697e-4
Disabling pansclerotic morphea of childhood	Uveomeningoencephalitic syndrome	0.12500	1	4.546e-4	9.697e-4
distal myopathy with vocal cord weakness	Vogt-koyanagi-harada disease	0.12500	1	4.546e-4	9.697e-4
Central nervous system non-hodgkin lymphoma	immunodeficiency 60	0.12500	1	4.546e-4	9.697e-4

Disease A	Disease B	Similarity Score	Shared Genes	P-value	FDR Q-value
Pemphigus vulgaris	Thiopurine immunosuppressant-induced pancreatitis	0.12500	1	4.546e-4	9.697e-4
Apolipoprotein b hypobetalipoproteinemia	Autoimmune pancreatitis	0.16667	1	5.195e-4	1.058e-3
Autoimmune pancreatitis	Churg-strauss syndrome	0.16667	1	5.195e-4	1.058e-3
Benign mucous membrane pemphigoid with ocular involvement	Tonsil cancer	0.16667	1	5.844e-4	1.154e-3
Bouillaud's disease	Tonsil cancer	0.16667	1	5.844e-4	1.154e-3
Acute disseminated encephalomyelitis	Tonsil cancer	0.16667	1	5.844e-4	1.154e-3
Apolipoprotein b hypobetalipoproteinemia	Benign mucous membrane pemphigoid with ocular involvement	0.14286	1	7.792e-4	1.404e-3
Apolipoprotein b hypobetalipoproteinemia	Bouillaud's disease	0.14286	1	7.792e-4	1.404e-3
Acute disseminated encephalomyelitis	Apolipoprotein b hypobetalipoproteinemia	0.14286	1	7.792e-4	1.404e-3
Benign mucous membrane pemphigoid with ocular involvement	Churg-strauss syndrome	0.14286	1	7.792e-4	1.404e-3
Bouillaud's disease	Churg-strauss syndrome	0.14286	1	7.792e-4	1.404e-3
Acute disseminated encephalomyelitis	Churg-strauss syndrome	0.14286	1	7.792e-4	1.404e-3
Autoimmune polyendocrine syndrome	Hypoparathyroidism	0.14286	1	7.792e-4	1.404e-3
Autoimmune musculoskeletal system disorder	Disabling pansclerotic morphea of childhood	0.07692	1	7.793e-4	1.404e-3
immunodeficiency 60	Latent autoimmune diabetes in adults	0.07692	1	7.793e-4	1.404e-3
Peeling skin syndrome with leukonychia and acral punctate keratoses	Pemphigus	0.10000	1	1.039e-3	1.737e-3
IMPDH1-related retinopathy	Thyroiditis	0.05882	1	1.039e-3	1.737e-3
Chorea	Choreoacanthocytosis	0.05263	1	1.169e-3	1.894e-3
Chorea	hsd10 mitochondrial disease	0.05263	1	1.169e-3	1.894e-3
Chorea	Intellectual developmental disorder seizures movement	0.05263	1	1.169e-3	1.894e-3
Chorea	optic atrophy 10 with or without ataxia, intellectual disability, and seizures	0.05263	1	1.169e-3	1.894e-3
Henoch schoenlein purpura	Thiopurine immunosuppressant-induced pancreatitis	0.05263	1	1.169e-3	1.894e-3
Hepatitis c induced liver cirrhosis	Pemphigus vulgaris	0.10000	1	1.363e-3	2.146e-3
Autoimmune gastritis	Gastritis	0.04348	1	1.429e-3	2.224e-3
Gastritis	platelet abnormalities with eosinophilia and immune-mediated inflammatory disease	0.04348	1	1.429e-3	2.224e-3
Anti-neutrophil antibody associated vasculitis	Thiopurine immunosuppressant-induced pancreatitis	0.04167	1	1.494e-3	2.311e-3
Intellectual developmental disorder seizures movement	Oral cavity carcinoma	0.03448	1	1.818e-3	2.675e-3
Bronchitis	Neurodevelopmental disorder with dilated cardiomyopathy	0.02941	1	2.143e-3	3.042e-3
Interstitial cystitis	neurodevelopmental disorder with microcephaly, seizures, and cortical atrophy	0.02439	1	2.598e-3	3.512e-3
Interstitial cystitis	Thiopurine immunosuppressant-induced pancreatitis	0.02439	1	2.598e-3	3.512e-3
KIZ-related retinopathy	Lupus nephritis	0.02326	1	2.728e-3	3.664e-3
Gastritis	Keratosis palmoplantaris papulosa	0.04167	1	2.856e-3	3.805e-3
Birbeck granule deficiency	Narcolepsy	0.01923	1	3.312e-3	4.309e-3
immunodeficiency 106, susceptibility to viral infections	Narcolepsy	0.01923	1	3.312e-3	4.309e-3

Disease A	Disease B	Similarity Score	Shared Genes	P-value	FDR Q-value
Narcolepsy	Uric acid urolithiasis	0.01923	1	3.312e-3	4.309e-3
congenital disorder of glycosylation type II	Lymphoma	0.01852	1	3.442e-3	4.447e-3
Henoch schoenlein purpura	Hepatitis c induced liver cirrhosis	0.04762	1	3.503e-3	4.517e-3
immunodeficiency 126, susceptibility to	Ocular sarcoidosis	0.01695	1	3.767e-3	4.809e-3
Ocular sarcoidosis	scalp-ear-nipple syndrome	0.01695	1	3.767e-3	4.809e-3
Antiphospholipid syndrome	Hepatitis c induced liver cirrhosis	0.04348	1	3.892e-3	4.941e-3
Autonomic nervous system disease	Immune system disease	0.02083	1	5.966e-3	7.187e-3