

GeDiPNet Cluster 22 -- Top Shared Genes

Curated genes (disease_gdp) linked to 2 or more of this cluster's member diseases, most widely shared first. Data as of: 2026-10-07 03:15:01. · Rows: 95 · Generated: 2026-10-07 16:27:08

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
STAT4	9	20	Crest syndrome; Dermatomyositis; Diffuse cutaneous systemic sclerosis; Myositis; Polymyositis; Scleroderma; Sjogren syndrome; Systemic scleroderma; Systemic sclerosis
IRF5	7	20	Crest syndrome; Diffuse cutaneous systemic sclerosis; Myositis; Scleroderma; Sjogren syndrome; Systemic scleroderma; Systemic sclerosis
HLA-DPB1	6	20	Dermatomyositis; Diffuse cutaneous systemic sclerosis; Irritant dermatitis; Sjogren syndrome; Systemic scleroderma; Systemic sclerosis
HLA-DQB1	6	20	Kawasaki disease; Myositis; Polymyositis; Scleroderma; Sjogren syndrome; Systemic sclerosis
TNPO3	6	20	Crest syndrome; Diffuse cutaneous systemic sclerosis; Myositis; Sjogren syndrome; Systemic scleroderma; Systemic sclerosis
ATG5	5	20	Crest syndrome; Myositis; Sjogren syndrome; spinocerebellar ataxia, autosomal recessive 25; Systemic sclerosis
BLK	5	20	Kawasaki disease; Myositis; Polymyositis; Sjogren syndrome; Systemic sclerosis
DGKQ	5	20	Crest syndrome; Myositis; Polymyositis; Sjogren syndrome; Systemic sclerosis
HLA-DPA1	5	20	Dermatomyositis; Diffuse cutaneous systemic sclerosis; Irritant dermatitis; Systemic scleroderma; Systemic sclerosis
HLA-DRB1	5	20	Crest syndrome; Diffuse cutaneous systemic sclerosis; Myositis; Sjogren syndrome; Systemic sclerosis
TNF	5	20	Dermatomyositis; Kawasaki disease; Polymyositis; Scleroderma; Sjogren syndrome
CAV1	4	20	Crest syndrome; Diffuse cutaneous systemic sclerosis; Scleroderma; Systemic sclerosis
CCN2	4	20	Crest syndrome; Diffuse cutaneous systemic sclerosis; Scleroderma; Systemic sclerosis
DNASE1L3	4	20	autosomal systemic lupus erythematosus type 16; Crest syndrome; Myositis; Systemic sclerosis
FAM167A	4	20	Kawasaki disease; Myositis; Polymyositis; Systemic sclerosis
HLA-DQA1	4	20	Diffuse cutaneous systemic sclerosis; Myositis; Sjogren syndrome; Systemic sclerosis
HLA-DRA	4	20	Dermatomyositis; Myositis; Sjogren syndrome; Systemic sclerosis
IL1B	4	20	Dermatomyositis; Dry eye syndrome; Polymyositis; Systemic sclerosis
PTPN22	4	20	Myositis; Polymyositis; Sjogren syndrome; Systemic sclerosis
TGFBR1	4	20	Dermatomyositis; Diffuse cutaneous systemic sclerosis; multiple self-healing squamous epithelioma; Scleroderma
TNFAIP3	4	20	Autoinflammatory syndrome, familial, behcet-like; Myositis; Sjogren syndrome; Systemic sclerosis
TNIP1	4	20	Myositis; Scleroderma; Sjogren syndrome; Systemic sclerosis
CCR6	3	20	Crest syndrome; Diffuse cutaneous systemic sclerosis; Systemic sclerosis
CD247	3	20	immunodeficiency 25; Scleroderma; Systemic sclerosis
FCGR2A	3	20	Diffuse cutaneous systemic sclerosis; Kawasaki disease; Sjogren syndrome
FCGR2B	3	20	Crest syndrome; Systemic scleroderma; Systemic sclerosis
FCGR3B	3	20	Crest syndrome; Systemic scleroderma; Systemic sclerosis
HLA-DRB5	3	20	Crest syndrome; Dermatomyositis; Systemic scleroderma
IL6	3	20	Dry eye syndrome; Polymyositis; Sjogren syndrome
LTA	3	20	Kawasaki disease; Sjogren syndrome; Systemic sclerosis
NAB1	3	20	Myositis; Polymyositis; Systemic sclerosis

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
PRR12	3	20	Myositis; Neuroocular syndrome; Systemic sclerosis
THSD7A	3	20	Dry eye syndrome; Polymyositis; Sjogren syndrome
ACTA2	2	20	Scleroderma; Systemic sclerosis
ARL14	2	20	Myositis; Systemic sclerosis
BANK1	2	20	Diffuse cutaneous systemic sclerosis; Systemic sclerosis
C1QL1	2	20	Dry eye syndrome; Sjogren syndrome
C2	2	20	Dermatomyositis; Irritant dermatitis
CCDC116	2	20	Myositis; Systemic sclerosis
CCN1	2	20	Scleroderma; Systemic sclerosis
CCNG1	2	20	Dry eye syndrome; Sjogren syndrome
CCR5	2	20	Kawasaki disease; Sjogren syndrome
CNR1	2	20	Scleroderma; Systemic sclerosis
CNR2	2	20	Scleroderma; Systemic sclerosis
COL1A2	2	20	Scleroderma; Systemic sclerosis
CXCR5	2	20	Sjogren syndrome; Systemic sclerosis
DCHS2	2	20	Dry eye syndrome; Sjogren syndrome
DDX6	2	20	Diffuse cutaneous systemic sclerosis; Systemic sclerosis
DRD4	2	20	Myositis; Systemic sclerosis
EIF4H	2	20	Myositis; Systemic sclerosis
ELN	2	20	Polymyositis; Systemic sclerosis
FAM241B	2	20	Dry eye syndrome; Sjogren syndrome
FBN1	2	20	Crest syndrome; Systemic sclerosis
FSTL1	2	20	Scleroderma; Systemic sclerosis
GLS	2	20	Myositis; Systemic sclerosis
GSDMA	2	20	Crest syndrome; Systemic sclerosis
GSDMB	2	20	Dermatomyositis; Systemic sclerosis
HDAC5	2	20	Scleroderma; Systemic sclerosis
HLA-B	2	20	Dermatomyositis; Sjogren syndrome
IL12RB2	2	20	Myositis; Systemic sclerosis
IL1A	2	20	Dermatomyositis; Polymyositis
IL1RN	2	20	Myositis; Sjogren syndrome
KCNB2	2	20	Dry eye syndrome; Sjogren syndrome
KCP	2	20	Sjogren syndrome; Systemic sclerosis
KIAA0319L	2	20	Crest syndrome; Systemic sclerosis

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
LIMK1	2	20	Myositis; Systemic sclerosis
MBL2	2	20	Dermatomyositis; Kawasaki disease
MICB	2	20	Kawasaki disease; Myositis
MMP9	2	20	Sjogren syndrome; Systemic sclerosis
NAV2	2	20	Dry eye syndrome; Sjogren syndrome
NCF2	2	20	Myositis; Systemic sclerosis
NECTIN2	2	20	Scleroderma; Systemic sclerosis
NMT1	2	20	Dry eye syndrome; Sjogren syndrome
PHTF1	2	20	Myositis; Systemic sclerosis
PMS1	2	20	Dermatomyositis; Polymyositis
PPP2R2B	2	20	Dry eye syndrome; Sjogren syndrome
PSORS1C1	2	20	Scleroderma; Systemic sclerosis
PTPN11	2	20	Myositis; Systemic sclerosis
RHOB	2	20	Scleroderma; Systemic sclerosis
RSBN1	2	20	Myositis; Systemic sclerosis
S1PR5	2	20	Scleroderma; Systemic sclerosis
SCT	2	20	Myositis; Systemic sclerosis
SDC2	2	20	Dry eye syndrome; Sjogren syndrome
SDK2	2	20	Myositis; Polymyositis
SIRT1	2	20	Scleroderma; Systemic sclerosis
SIRT7	2	20	Scleroderma; Systemic sclerosis
SLC1A2	2	20	developmental and epileptic encephalopathy, 41; Myositis
SMG7	2	20	Myositis; Systemic sclerosis
TAP2	2	20	Diffuse cutaneous systemic sclerosis; Scleroderma
TNFSF4	2	20	Myositis; Systemic sclerosis
TSBP1	2	20	Kawasaki disease; Sjogren syndrome
TTC8	2	20	Crest syndrome; TTC8-related ciliopathy
TWIST2	2	20	Dry eye syndrome; Sjogren syndrome
TYK2	2	20	Myositis; Systemic sclerosis
YDJC	2	20	Myositis; Systemic sclerosis