

GeDiPNet Cluster 39 -- 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: 2026-10-09 03:15:01. · Rows: 500 · Generated: 2026-10-09 10:09:44

Note: PDF export is limited to the first 500 rows. Use TSV or CSV format for the complete export.

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
HLA-DQB1	9	16	Autoimmune disease; Autoimmune thyroid disease; Celiac disease; Common variable immunodeficiency; Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Sarcoidosis; Systemic lupus erythematosus
C1ORF141	8	16	Autoimmune disease; Autoimmune thyroid disease; Celiac disease; Common variable immunodeficiency; Diabetes mellitus type 1; Rheumatoid arthritis; Sarcoidosis; Systemic lupus erythematosus
CTLA4	8	16	Autoimmune disease; Autoimmune thyroid disease; Celiac disease; Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Sarcoidosis; Systemic lupus erythematosus
ICOS	8	16	Autoimmune disease; Autoimmune thyroid disease; Celiac disease; Common variable immunodeficiency; Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
IL23R	8	16	Autoimmune disease; Autoimmune thyroid disease; Celiac disease; Common variable immunodeficiency; Diabetes mellitus type 1; Rheumatoid arthritis; Sarcoidosis; Systemic lupus erythematosus
IL2RA	8	16	Autoimmune disease; Autoimmune thyroid disease; Celiac disease; Common variable immunodeficiency; Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
NKX2-3	8	16	Autoimmune disease; Autoimmune thyroid disease; Celiac disease; Common variable immunodeficiency; Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
PHTF1	8	16	Autoimmune disease; Autoimmune thyroid disease; Celiac disease; Common variable immunodeficiency; Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
RSBN1	8	16	Autoimmune disease; Autoimmune thyroid disease; Celiac disease; Common variable immunodeficiency; Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
SH2B3	8	16	Autoimmune disease; Autoimmune thyroid disease; Celiac disease; Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Sarcoidosis; Systemic lupus erythematosus
SLC25A28	8	16	Autoimmune disease; Autoimmune thyroid disease; Celiac disease; Common variable immunodeficiency; Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
SUOX	8	16	Autoimmune disease; Autoimmune thyroid disease; Celiac disease; Common variable immunodeficiency; Diabetes mellitus type 1; isolated sulfite oxidase deficiency; Rheumatoid arthritis; Systemic lupus erythematosus
ADCY7	7	16	Autoimmune disease; Autoimmune thyroid disease; Celiac disease; Common variable immunodeficiency; Diabetes mellitus type 1; Hypothyroidism; Systemic lupus erythematosus
ANKRD55	7	16	Autoimmune disease; Autoimmune thyroid disease; Celiac disease; Common variable immunodeficiency; Diabetes mellitus type 1; Rheumatoid arthritis; Systemic lupus erythematosus
ATG16L1	7	16	Autoimmune disease; Autoimmune thyroid disease; Celiac disease; Common variable immunodeficiency; Diabetes mellitus type 1; Rheumatoid arthritis; Systemic lupus erythematosus
ATXN2	7	16	Autoimmune thyroid disease; Celiac disease; Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Sarcoidosis; Systemic lupus erythematosus
BACH2	7	16	Autoimmune disease; Autoimmune thyroid disease; Celiac disease; Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
BTNL2	7	16	Autoimmune thyroid disease; Celiac disease; Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Sarcoidosis; Systemic lupus erythematosus
CARD9	7	16	Autoimmune disease; Autoimmune thyroid disease; Celiac disease; Common variable immunodeficiency; Diabetes mellitus type 1; Rheumatoid arthritis; Systemic lupus erythematosus
GSDMB	7	16	Autoimmune disease; Autoimmune thyroid disease; Celiac disease; Common variable immunodeficiency; Diabetes mellitus type 1; Rheumatoid arthritis; Systemic lupus erythematosus
HLA-DQA1	7	16	Autoimmune thyroid disease; Celiac disease; Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Sarcoidosis; Systemic lupus erythematosus
HLA-DRA	7	16	Autoimmune thyroid disease; Celiac disease; Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Sarcoidosis; Systemic lupus erythematosus
HLA-DRB1	7	16	Autoimmune thyroid disease; Celiac disease; Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Sarcoidosis; Systemic lupus erythematosus
IGF2	7	16	Autoimmune disease; Autoimmune thyroid disease; Celiac disease; Common variable immunodeficiency; Diabetes mellitus type 1; Rheumatoid arthritis; Systemic lupus erythematosus
IL10	7	16	Autoimmune disease; Autoimmune thyroid disease; Celiac disease; Common variable immunodeficiency; Diabetes mellitus type 1; Rheumatoid arthritis; Systemic lupus erythematosus

[illegible]

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
IRF4	6	16	Autoimmune disease; Autoimmune thyroid disease; Celiac disease; Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis
LRRK2	6	16	Autoimmune disease; Autoimmune thyroid disease; Celiac disease; Common variable immunodeficiency; Diabetes mellitus type 1; Systemic lupus erythematosus
LURAP1L	6	16	Autoimmune disease; Autoimmune thyroid disease; Celiac disease; Common variable immunodeficiency; Diabetes mellitus type 1; Systemic lupus erythematosus
NOTCH4	6	16	Celiac disease; Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Sarcoidosis; Systemic lupus erythematosus
NPIP6	6	16	Autoimmune disease; Autoimmune thyroid disease; Celiac disease; Common variable immunodeficiency; Diabetes mellitus type 1; Systemic lupus erythematosus
PDE4A	6	16	Autoimmune disease; Autoimmune thyroid disease; Celiac disease; Common variable immunodeficiency; Diabetes mellitus type 1; Systemic lupus erythematosus
PPARG	6	16	Autoimmune disease; Autoimmune thyroid disease; Diabetes mellitus type 1; Hypothyroidism; Sarcoidosis; Systemic lupus erythematosus
PTPN22	6	16	Autoimmune disease; Autoimmune thyroid disease; Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
RASGRP1	6	16	Autoimmune disease; Autoimmune thyroid disease; Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
SBK1	6	16	Autoimmune disease; Autoimmune thyroid disease; Celiac disease; Common variable immunodeficiency; Diabetes mellitus type 1; Systemic lupus erythematosus
SLC9A4	6	16	Autoimmune disease; Autoimmune thyroid disease; Celiac disease; Common variable immunodeficiency; Diabetes mellitus type 1; Systemic lupus erythematosus
SMAD3	6	16	Autoimmune disease; Autoimmune thyroid disease; Celiac disease; Common variable immunodeficiency; Diabetes mellitus type 1; Systemic lupus erythematosus
STMN3	6	16	Autoimmune disease; Autoimmune thyroid disease; Celiac disease; Common variable immunodeficiency; Diabetes mellitus type 1; Systemic lupus erythematosus
TAGAP	6	16	Autoimmune disease; Celiac disease; Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
TAP1	6	16	Autoimmune disease; Celiac disease; Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
TAP2	6	16	Autoimmune thyroid disease; Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Sarcoidosis; Systemic lupus erythematosus
TENM3	6	16	Autoimmune disease; Autoimmune thyroid disease; Celiac disease; Common variable immunodeficiency; Diabetes mellitus type 1; Systemic lupus erythematosus
TNFSF15	6	16	Autoimmune disease; Autoimmune thyroid disease; Celiac disease; Common variable immunodeficiency; Diabetes mellitus type 1; Systemic lupus erythematosus
UBASH3A	6	16	Autoimmune disease; Celiac disease; Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Sarcoidosis
AFF3	5	16	Autoimmune disease; Celiac disease; Diabetes mellitus type 1; Rheumatoid arthritis; Systemic lupus erythematosus
ARID5B	5	16	Autoimmune disease; Autoimmune thyroid disease; Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
BCL2L15	5	16	Autoimmune thyroid disease; Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
C1QTNF6	5	16	Autoimmune disease; Autoimmune thyroid disease; Diabetes mellitus type 1; Hypothyroidism; Systemic lupus erythematosus
C2	5	16	Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Sarcoidosis; Systemic lupus erythematosus
CBLB	5	16	Autoimmune disease; Autoimmune thyroid disease; Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis
CCDC88B	5	16	Autoimmune disease; Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Sarcoidosis
CD28	5	16	Autoimmune disease; Celiac disease; Diabetes mellitus type 1; Rheumatoid arthritis; Systemic lupus erythematosus
ELMO1	5	16	Autoimmune disease; Autoimmune thyroid disease; Celiac disease; Hypothyroidism; Rheumatoid arthritis
ERBB3	5	16	Autoimmune disease; Autoimmune thyroid disease; Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis
ETS1	5	16	Celiac disease; Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
FAM76B	5	16	Autoimmune disease; Autoimmune thyroid disease; Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis
FASLG	5	16	Autoimmune disease; Celiac disease; Diabetes mellitus type 1; Rheumatoid arthritis; Systemic lupus erythematosus
HLA-DRB5	5	16	Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Sarcoidosis; Systemic lupus erythematosus

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
IKZF1	5	16	Autoimmune disease; Common variable immunodeficiency; Diabetes mellitus type 1; Rheumatoid arthritis; Systemic lupus erythematosus
IL6	5	16	Autoimmune disease; Celiac disease; Diabetes mellitus type 1; Rheumatoid arthritis; Systemic lupus erythematosus
INPP5B	5	16	Autoimmune thyroid disease; Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
LPP	5	16	Autoimmune disease; Autoimmune thyroid disease; Celiac disease; Hypothyroidism; Systemic lupus erythematosus
MACIR	5	16	Autoimmune disease; Autoimmune thyroid disease; Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
MAGI3	5	16	Autoimmune thyroid disease; Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
MSH5	5	16	Common variable immunodeficiency; Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
NCR3	5	16	Autoimmune thyroid disease; Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Sarcoidosis
RAD51B	5	16	Autoimmune thyroid disease; Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
RBM17	5	16	Autoimmune disease; Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
SOD2	5	16	Autoimmune disease; Diabetes mellitus type 1; Rheumatoid arthritis; Sarcoidosis; Systemic lupus erythematosus
TNF	5	16	Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Sarcoidosis; Systemic lupus erythematosus
TNFRSF14	5	16	Autoimmune disease; Autoimmune thyroid disease; Celiac disease; Hypothyroidism; Rheumatoid arthritis
TNXB	5	16	Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Sarcoidosis; Systemic lupus erythematosus
ACAP1	4	16	Autoimmune thyroid disease; Diabetes mellitus type 1; Hypothyroidism; Systemic lupus erythematosus
AGER	4	16	Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
BANF2	4	16	Autoimmune disease; Autoimmune thyroid disease; Diabetes mellitus type 1; Hypothyroidism
BLTP1	4	16	Celiac disease; Diabetes mellitus type 1; Rheumatoid arthritis; Systemic lupus erythematosus
BRD2	4	16	Celiac disease; Diabetes mellitus type 1; Rheumatoid arthritis; Sarcoidosis
C12ORF42	4	16	Autoimmune disease; Autoimmune thyroid disease; Hypothyroidism; Systemic lupus erythematosus
C6ORF15	4	16	Celiac disease; Diabetes mellitus type 1; Rheumatoid arthritis; Sarcoidosis
CAMK4	4	16	Autoimmune disease; Autoimmune thyroid disease; Diabetes mellitus type 1; Hypothyroidism
CCN4	4	16	Autoimmune disease; Autoimmune thyroid disease; Hypothyroidism; Rheumatoid arthritis
CCR2	4	16	Celiac disease; Diabetes mellitus type 1; Rheumatoid arthritis; Sarcoidosis
CD247	4	16	Autoimmune thyroid disease; Celiac disease; Hypothyroidism; Rheumatoid arthritis
CD80	4	16	Celiac disease; Diabetes mellitus type 1; Hypothyroidism; Systemic lupus erythematosus
CFB	4	16	Autoimmune thyroid disease; Diabetes mellitus type 1; Rheumatoid arthritis; Systemic lupus erythematosus
CLEC16A	4	16	Common variable immunodeficiency; Diabetes mellitus type 1; Rheumatoid arthritis; Systemic lupus erythematosus
CLNK	4	16	Autoimmune thyroid disease; Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
COL11A2	4	16	Celiac disease; Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis
CXCR5	4	16	Autoimmune disease; Celiac disease; Rheumatoid arthritis; Systemic lupus erythematosus
DNASE1L3	4	16	Autoimmune disease; Autoimmune thyroid disease; Rheumatoid arthritis; Systemic lupus erythematosus
FAP	4	16	Autoimmune disease; Diabetes mellitus type 1; Hypothyroidism; Systemic lupus erythematosus

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
FCGR3A	4	16	Celiac disease; Diabetes mellitus type 1; Rheumatoid arthritis; Systemic lupus erythematosus
FLT3	4	16	Autoimmune disease; Autoimmune thyroid disease; Hypothyroidism; Rheumatoid arthritis
GPSM3	4	16	Autoimmune disease; Hypothyroidism; Rheumatoid arthritis; Sarcoidosis
HECTD4	4	16	Celiac disease; Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
HLA-A	4	16	Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
HLA-C	4	16	Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Sarcoidosis
HLA-DQB2	4	16	Celiac disease; Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
IFIH1	4	16	Autoimmune thyroid disease; Diabetes mellitus type 1; Hypothyroidism; Systemic lupus erythematosus
IFNG	4	16	Autoimmune disease; Celiac disease; Diabetes mellitus type 1; Rheumatoid arthritis
IKZF3	4	16	Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
IL2	4	16	Celiac disease; Diabetes mellitus type 1; Rheumatoid arthritis; Systemic lupus erythematosus
IL7R	4	16	Autoimmune thyroid disease; Diabetes mellitus type 1; Hypothyroidism; Systemic lupus erythematosus
IRF5	4	16	Autoimmune disease; Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
ITPR3	4	16	Celiac disease; Diabetes mellitus type 1; Rheumatoid arthritis; Sarcoidosis
LRIG2	4	16	Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
LTA	4	16	Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Sarcoidosis
MMEL1	4	16	Autoimmune disease; Autoimmune thyroid disease; Celiac disease; Rheumatoid arthritis
PLEKHA1	4	16	Autoimmune disease; Autoimmune thyroid disease; Diabetes mellitus type 1; Hypothyroidism
PLGRKT	4	16	Autoimmune thyroid disease; Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis
PRRC2A	4	16	Autoimmune disease; Celiac disease; Diabetes mellitus type 1; Rheumatoid arthritis
PSMB8	4	16	Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
PSORS1C1	4	16	Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
PTPN11	4	16	Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
RAB5B	4	16	Autoimmune disease; Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis
RAVER1	4	16	Autoimmune disease; Diabetes mellitus type 1; Rheumatoid arthritis; Systemic lupus erythematosus
RERE	4	16	Autoimmune thyroid disease; Diabetes mellitus type 1; Hypothyroidism; Systemic lupus erythematosus
RHOH	4	16	Autoimmune disease; Autoimmune thyroid disease; Diabetes mellitus type 1; Hypothyroidism
RMI2	4	16	Autoimmune disease; Celiac disease; Diabetes mellitus type 1; Systemic lupus erythematosus
RNASET2	4	16	Autoimmune disease; Autoimmune thyroid disease; Diabetes mellitus type 1; Hypothyroidism
RTKN2	4	16	Autoimmune thyroid disease; Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
SFTA2	4	16	Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
SLC11A1	4	16	Diabetes mellitus type 1; Rheumatoid arthritis; Sarcoidosis; Systemic lupus erythematosus
SMG7	4	16	Autoimmune disease; Celiac disease; Rheumatoid arthritis; Systemic lupus erythematosus

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
STAT3	4	16	Autoimmune disease; Diabetes mellitus type 1; Rheumatoid arthritis; Systemic lupus erythematosus
TCF7	4	16	Autoimmune thyroid disease; Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
TNFRSF11B	4	16	Autoimmune disease; Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis
UBE2L3	4	16	Autoimmune disease; Celiac disease; Rheumatoid arthritis; Systemic lupus erythematosus
VDAC1	4	16	Autoimmune thyroid disease; Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
WHR1	4	16	Hypothyroidism; Rheumatoid arthritis; Sarcoidosis; Systemic lupus erythematosus
ZFP57	4	16	Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
ACE	3	16	Celiac disease; Diabetes mellitus type 1; Sarcoidosis
ACOXL	3	16	Diabetes mellitus type 1; Rheumatoid arthritis; Sarcoidosis
AIF1	3	16	Diabetes mellitus type 1; Rheumatoid arthritis; Systemic lupus erythematosus
APOM	3	16	Diabetes mellitus type 1; Rheumatoid arthritis; Sarcoidosis
ARHGAP31	3	16	Autoimmune disease; Celiac disease; Systemic lupus erythematosus
ATG5	3	16	Rheumatoid arthritis; Sarcoidosis; Systemic lupus erythematosus
ATP6V1G3	3	16	Diabetes mellitus type 1; Rheumatoid arthritis; Systemic lupus erythematosus
BANK1	3	16	Autoimmune thyroid disease; Diabetes mellitus type 1; Systemic lupus erythematosus
BTN3A1	3	16	Diabetes mellitus type 1; Rheumatoid arthritis; Systemic lupus erythematosus
C4B	3	16	Autoimmune disease; Rheumatoid arthritis; Systemic lupus erythematosus
CAMSAP2	3	16	Celiac disease; Diabetes mellitus type 1; Hypothyroidism
CARMIL1	3	16	Diabetes mellitus type 1; Rheumatoid arthritis; Systemic lupus erythematosus
CAT	3	16	Diabetes mellitus type 1; Rheumatoid arthritis; Systemic lupus erythematosus
CCHCR1	3	16	Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
CCL21	3	16	Autoimmune disease; Celiac disease; Rheumatoid arthritis
CCR3	3	16	Celiac disease; Rheumatoid arthritis; Systemic lupus erythematosus
CCR5	3	16	Diabetes mellitus type 1; Rheumatoid arthritis; Sarcoidosis
CD40LG	3	16	Autoimmune disease; Common variable immunodeficiency; Systemic lupus erythematosus
CD69	3	16	Autoimmune thyroid disease; Diabetes mellitus type 1; Hypothyroidism
CD81	3	16	Common variable immunodeficiency; immunodeficiency, common variable, 6; Sarcoidosis
CD86	3	16	Autoimmune thyroid disease; Diabetes mellitus type 1; Systemic lupus erythematosus
CIITA	3	16	Celiac disease; Rheumatoid arthritis; Systemic lupus erythematosus
CR2	3	16	Common variable immunodeficiency; immunodeficiency, common variable, 7; Systemic lupus erythematosus
CRP	3	16	Diabetes mellitus type 1; Rheumatoid arthritis; Systemic lupus erythematosus
CSNK2B	3	16	Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
CTSH	3	16	Autoimmune disease; Celiac disease; Diabetes mellitus type 1
DDX6	3	16	Celiac disease; Rheumatoid arthritis; Systemic lupus erythematosus
DGKQ	3	16	Diabetes mellitus type 1; Rheumatoid arthritis; Systemic lupus erythematosus
DUSP22	3	16	Celiac disease; Rheumatoid arthritis; Systemic lupus erythematosus
EHMT2	3	16	Autoimmune disease; Rheumatoid arthritis; Sarcoidosis
EXOC2	3	16	Autoimmune disease; Diabetes mellitus type 1; Rheumatoid arthritis
F2	3	16	Celiac disease; Rheumatoid arthritis; Systemic lupus erythematosus
FADS1	3	16	Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis
FADS2	3	16	Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis
FAS	3	16	Autoimmune disease; Rheumatoid arthritis; Systemic lupus erythematosus
FCGR2B	3	16	Autoimmune disease; Rheumatoid arthritis; Systemic lupus erythematosus
FCRL3	3	16	Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
FKBP5	3	16	Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis
FKBPL	3	16	Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
FLI1	3	16	Diabetes mellitus type 1; Rheumatoid arthritis; Systemic lupus erythematosus
FYN	3	16	Autoimmune thyroid disease; Diabetes mellitus type 1; Hypothyroidism
GABBR1	3	16	Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
GATA3	3	16	Autoimmune disease; Diabetes mellitus type 1; Rheumatoid arthritis
GIGYF1	3	16	Autoimmune disease; Autoimmune thyroid disease; Hypothyroidism
GLIS3	3	16	Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis
GRB10	3	16	Autoimmune disease; Diabetes mellitus type 1; Rheumatoid arthritis
GSTM1	3	16	Diabetes mellitus type 1; Rheumatoid arthritis; Systemic lupus erythematosus
HIPK1	3	16	Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis
HLA-DMA	3	16	Diabetes mellitus type 1; Rheumatoid arthritis; Sarcoidosis
HLA-DQA2	3	16	Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
HORMAD2	3	16	Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis
HSPA1L	3	16	Diabetes mellitus type 1; Rheumatoid arthritis; Systemic lupus erythematosus
ICOSLG	3	16	Celiac disease; Diabetes mellitus type 1; Rheumatoid arthritis
IL12RB2	3	16	Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
IL19	3	16	Diabetes mellitus type 1; Rheumatoid arthritis; Systemic lupus erythematosus
IL1B	3	16	Diabetes mellitus type 1; Rheumatoid arthritis; Systemic lupus erythematosus
IL1RN	3	16	Diabetes mellitus type 1; Rheumatoid arthritis; Systemic lupus erythematosus
IL21R	3	16	Common variable immunodeficiency; Hypothyroidism; Systemic lupus erythematosus

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
IL6R	3	16	Diabetes mellitus type 1; Rheumatoid arthritis; Systemic lupus erythematosus
ITGB8	3	16	Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis
JAK1	3	16	Autoimmune disease; Autoimmune thyroid disease; Hypothyroidism
JAZF1	3	16	Diabetes mellitus type 1; Rheumatoid arthritis; Systemic lupus erythematosus
KCP	3	16	Autoimmune disease; Rheumatoid arthritis; Systemic lupus erythematosus
LBH	3	16	Celiac disease; Rheumatoid arthritis; Systemic lupus erythematosus
LST1	3	16	Diabetes mellitus type 1; Rheumatoid arthritis; Systemic lupus erythematosus
MB21D2	3	16	Autoimmune disease; Hypothyroidism; Rheumatoid arthritis
MBL2	3	16	Autoimmune thyroid disease; Common variable immunodeficiency; Systemic lupus erythematosus
MICA	3	16	Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
MICB	3	16	Diabetes mellitus type 1; Rheumatoid arthritis; Systemic lupus erythematosus
MSRA	3	16	Autoimmune thyroid disease; Hypothyroidism; Systemic lupus erythematosus
MTF1	3	16	Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
MUC22	3	16	Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
NAA25	3	16	Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis
NAB1	3	16	Autoimmune disease; Rheumatoid arthritis; Systemic lupus erythematosus
NCF2	3	16	Celiac disease; Rheumatoid arthritis; Systemic lupus erythematosus
NEURL4	3	16	Autoimmune disease; Diabetes mellitus type 1; Systemic lupus erythematosus
NOD2	3	16	Rheumatoid arthritis; Sarcoidosis; Systemic lupus erythematosus
NR4A3	3	16	Diabetes mellitus type 1; Rheumatoid arthritis; Systemic lupus erythematosus
NTRK1	3	16	Autoimmune disease; Hypothyroidism; Rheumatoid arthritis
OLFML3	3	16	Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
OR5V1	3	16	Diabetes mellitus type 1; Rheumatoid arthritis; Sarcoidosis
PHRF1	3	16	Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
PLCL1	3	16	Rheumatoid arthritis; Sarcoidosis; Systemic lupus erythematosus
PPT2	3	16	Rheumatoid arthritis; Sarcoidosis; Systemic lupus erythematosus
PRDX5	3	16	Hypothyroidism; Rheumatoid arthritis; Sarcoidosis
PTGS2	3	16	Rheumatoid arthritis; Sarcoidosis; Systemic lupus erythematosus
PTPRC	3	16	Diabetes mellitus type 1; Rheumatoid arthritis; Systemic lupus erythematosus
PXK	3	16	Diabetes mellitus type 1; Rheumatoid arthritis; Systemic lupus erythematosus
RAB5C	3	16	Autoimmune disease; Autoimmune thyroid disease; Hypothyroidism
RPL3	3	16	Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
RPS26	3	16	Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
RUNX3	3	16	Celiac disease; Diabetes mellitus type 1; Hypothyroidism
SAMD5	3	16	Autoimmune disease; Autoimmune thyroid disease; Hypothyroidism
SASH1	3	16	Autoimmune disease; Autoimmune thyroid disease; Hypothyroidism
SCGN	3	16	Diabetes mellitus type 1; Rheumatoid arthritis; Systemic lupus erythematosus
SH2D2A	3	16	Autoimmune disease; Autoimmune thyroid disease; Hypothyroidism
SLC17A3	3	16	Diabetes mellitus type 1; Rheumatoid arthritis; Systemic lupus erythematosus
SLC1A2	3	16	Autoimmune thyroid disease; Diabetes mellitus type 1; Hypothyroidism
SOCS1	3	16	Autoimmune disease; Rheumatoid arthritis; Systemic lupus erythematosus
SPATA13	3	16	Autoimmune disease; Autoimmune thyroid disease; Hypothyroidism
SPATA31F1	3	16	Autoimmune disease; Celiac disease; Rheumatoid arthritis
SYNGR1	3	16	Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
TG	3	16	Autoimmune disease; Autoimmune thyroid disease; Hypothyroidism
TIMMDC1	3	16	Autoimmune thyroid disease; Hypothyroidism; Systemic lupus erythematosus
TLR3	3	16	Autoimmune thyroid disease; Diabetes mellitus type 1; Hypothyroidism
TMEM187	3	16	Celiac disease; Rheumatoid arthritis; Systemic lupus erythematosus
TNFAIP3	3	16	Autoimmune disease; Rheumatoid arthritis; Systemic lupus erythematosus
TNIP1	3	16	Autoimmune disease; Rheumatoid arthritis; Systemic lupus erythematosus
TNPO3	3	16	Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
TPO	3	16	Autoimmune disease; Autoimmune thyroid disease; Hypothyroidism
TRAFD1	3	16	Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
TRIM26	3	16	Hypothyroidism; Rheumatoid arthritis; Sarcoidosis
TRIM31	3	16	Autoimmune thyroid disease; Diabetes mellitus type 1; Systemic lupus erythematosus
TTC34	3	16	Diabetes mellitus type 1; Hypothyroidism; Rheumatoid arthritis
VAV3	3	16	Autoimmune disease; Autoimmune thyroid disease; Hypothyroidism
YDJC	3	16	Celiac disease; Rheumatoid arthritis; Systemic lupus erythematosus
ZFP36L1	3	16	Celiac disease; Diabetes mellitus type 1; Rheumatoid arthritis
ZSCAN12	3	16	Diabetes mellitus type 1; Rheumatoid arthritis; Sarcoidosis
ZSCAN9	3	16	Hypothyroidism; Rheumatoid arthritis; Systemic lupus erythematosus
ABO	2	16	Hypothyroidism; Sarcoidosis
ADIPOQ	2	16	Autoimmune disease; Rheumatoid arthritis
AFF1	2	16	Hypothyroidism; Systemic lupus erythematosus
AGO2	2	16	Diabetes mellitus type 1; Hypothyroidism
AHR	2	16	Diabetes mellitus type 1; Rheumatoid arthritis

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
AIRE	2	16	Diabetes mellitus type 1; Rheumatoid arthritis
ALDH2	2	16	Autoimmune disease; Diabetes mellitus type 1
ANXA3	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
APOC3	2	16	Celiac disease; Diabetes mellitus type 1
ARID3A	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
ARID5A	2	16	Hypothyroidism; Sarcoidosis
ARL14	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
ASCL2	2	16	Diabetes mellitus type 1; Sarcoidosis
ATF6B	2	16	Rheumatoid arthritis; Sarcoidosis
ATP6V1G2	2	16	Diabetes mellitus type 1; Rheumatoid arthritis
BAG6	2	16	Rheumatoid arthritis; Sarcoidosis
BAK1	2	16	Hypothyroidism; Rheumatoid arthritis
BLK	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
BTN2A1	2	16	Diabetes mellitus type 1; Rheumatoid arthritis
BTN3A3	2	16	Diabetes mellitus type 1; Rheumatoid arthritis
C11ORF21	2	16	Diabetes mellitus type 1; Rheumatoid arthritis
C1QTNF12	2	16	Hypothyroidism; Systemic lupus erythematosus
CA1	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
CA2	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
CAPSL	2	16	Diabetes mellitus type 1; Systemic lupus erythematosus
CAST	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
CBFA2T3	2	16	Diabetes mellitus type 1; Rheumatoid arthritis
CCDC116	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
CCR6	2	16	Hypothyroidism; Rheumatoid arthritis
CCRL2	2	16	Diabetes mellitus type 1; Rheumatoid arthritis
CD14	2	16	Celiac disease; Sarcoidosis
CD2	2	16	Hypothyroidism; Rheumatoid arthritis
CD274	2	16	Autoimmune disease; Hypothyroidism
CD40	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
CD5	2	16	Hypothyroidism; Rheumatoid arthritis
CD83	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
CDH23	2	16	Diabetes mellitus type 1; Systemic lupus erythematosus
CDHR5	2	16	Hypothyroidism; Systemic lupus erythematosus

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
CDK12	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
CDK6	2	16	Hypothyroidism; Rheumatoid arthritis
CEP43	2	16	Hypothyroidism; Rheumatoid arthritis
CFH	2	16	Sarcoidosis; Systemic lupus erythematosus
CFTR	2	16	Diabetes mellitus type 1; Sarcoidosis
CLEC2D	2	16	Autoimmune thyroid disease; Diabetes mellitus type 1
CLN3	2	16	Diabetes mellitus type 1; Hypothyroidism
COBL	2	16	Autoimmune disease; Diabetes mellitus type 1
COG6	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
CP	2	16	Diabetes mellitus type 1; Rheumatoid arthritis
CPT1C	2	16	Autoimmune disease; Hypothyroidism
CSK	2	16	Celiac disease; Systemic lupus erythematosus
CTSB	2	16	Diabetes mellitus type 1; Systemic lupus erythematosus
CUTA	2	16	Hypothyroidism; Rheumatoid arthritis
CX3CR1	2	16	Autoimmune thyroid disease; Hypothyroidism
CXCR4	2	16	Diabetes mellitus type 1; Rheumatoid arthritis
DCLRE1B	2	16	Diabetes mellitus type 1; Rheumatoid arthritis
DNASE2	2	16	Autoinflammatory-pancytopenia syndrome; Systemic lupus erythematosus
DRD4	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
DZIP3	2	16	Autoimmune disease; Hypothyroidism
EDARADD	2	16	Autoimmune thyroid disease; Hypothyroidism
EIF4H	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
ELN	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
EMSY	2	16	Diabetes mellitus type 1; Rheumatoid arthritis
EOMES	2	16	Common variable immunodeficiency; Rheumatoid arthritis
ESR2	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
FAM167A	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
FAM171A1	2	16	Hypothyroidism; Systemic lupus erythematosus
FAM193A	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
FCGR2A	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
FLOT1	2	16	Hypothyroidism; Rheumatoid arthritis
FOXP3	2	16	Diabetes mellitus type 1; Rheumatoid arthritis
FSTL4	2	16	Diabetes mellitus type 1; Rheumatoid arthritis

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
GALNT9	2	16	Sarcoidosis; Systemic lupus erythematosus
GATA4	2	16	Diabetes mellitus type 1; Systemic lupus erythematosus
GATD3	2	16	Celiac disease; Diabetes mellitus type 1
GBGT1	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
GC	2	16	Diabetes mellitus type 1; Rheumatoid arthritis
GDI2	2	16	Diabetes mellitus type 1; Systemic lupus erythematosus
GFI1	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
GLS	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
GPANK1	2	16	Hypothyroidism; Rheumatoid arthritis
GPR12	2	16	Diabetes mellitus type 1; Rheumatoid arthritis
GPR25	2	16	Autoimmune thyroid disease; Hypothyroidism
GTF2H4	2	16	Rheumatoid arthritis; Sarcoidosis
GTF2IRD1	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
H4C8	2	16	Diabetes mellitus type 1; Rheumatoid arthritis
HCK	2	16	Autoimmune disease; Autoinflammation with pulmonary and cutaneous vasculitis
HLA-F	2	16	Hypothyroidism; Rheumatoid arthritis
HLA-G	2	16	Hypothyroidism; Rheumatoid arthritis
HP	2	16	Autoimmune disease; Diabetes mellitus type 1
ICA1	2	16	Diabetes mellitus type 1; Systemic lupus erythematosus
ICAM3	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
IFNA17	2	16	Sarcoidosis; Systemic lupus erythematosus
IGF2BP2	2	16	Diabetes mellitus type 1; Hypothyroidism
IGFBP3	2	16	Diabetes mellitus type 1; Rheumatoid arthritis
IL15	2	16	Celiac disease; Diabetes mellitus type 1
IL17A	2	16	Autoimmune disease; Rheumatoid arthritis
IL18	2	16	Rheumatoid arthritis; Sarcoidosis
IL1A	2	16	Diabetes mellitus type 1; Rheumatoid arthritis
IL2RB	2	16	Diabetes mellitus type 1; Rheumatoid arthritis
IL4	2	16	Autoimmune disease; Systemic lupus erythematosus
IL4R	2	16	Hypothyroidism; Rheumatoid arthritis
ILF3	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
ILRUN	2	16	Hypothyroidism; Systemic lupus erythematosus
INAVA	2	16	Celiac disease; Rheumatoid arthritis

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
INPP1	2	16	Autoimmune disease; Systemic lupus erythematosus
IQCN	2	16	Hypothyroidism; Systemic lupus erythematosus
IRAK1	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
IRF8	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
ITGB3	2	16	Autoimmune disease; Hypothyroidism
KALRN	2	16	Sarcoidosis; Systemic lupus erythematosus
KANSL3	2	16	Hypothyroidism; Sarcoidosis
KCNH7	2	16	Autoimmune disease; Hypothyroidism
KCNIP4	2	16	Rheumatoid arthritis; Sarcoidosis
KIAA0319L	2	16	Diabetes mellitus type 1; Systemic lupus erythematosus
KSR1	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
LCN2	2	16	Celiac disease; Rheumatoid arthritis
LEF1	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
LHX2	2	16	Autoimmune disease; Rheumatoid arthritis
LIMK1	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
LSM4	2	16	Autoimmune disease; Hypothyroidism
LY6G6C	2	16	Hypothyroidism; Rheumatoid arthritis
M6PR	2	16	Diabetes mellitus type 1; Rheumatoid arthritis
MAF	2	16	Diabetes mellitus type 1; Hypothyroidism
MANBA	2	16	Sarcoidosis; Systemic lupus erythematosus
MAPT	2	16	Diabetes mellitus type 1; Systemic lupus erythematosus
MARCHF7	2	16	Autoimmune thyroid disease; Hypothyroidism
MARS2	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
MECP2	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
MFSD6	2	16	Autoimmune disease; Systemic lupus erythematosus
MMP12	2	16	Celiac disease; Rheumatoid arthritis
MOG	2	16	Diabetes mellitus type 1; Rheumatoid arthritis
MPIG6B	2	16	Hypothyroidism; Rheumatoid arthritis
MTG1	2	16	Diabetes mellitus type 1; Systemic lupus erythematosus
MTHFR	2	16	Diabetes mellitus type 1; Rheumatoid arthritis
MYL2	2	16	Diabetes mellitus type 1; Rheumatoid arthritis
MYNN	2	16	Celiac disease; Systemic lupus erythematosus
NCF1	2	16	Rheumatoid arthritis; Systemic lupus erythematosus

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
NEK6	2	16	Autoimmune disease; Hypothyroidism
NEU1	2	16	Celiac disease; Systemic lupus erythematosus
NFATC1	2	16	Hypothyroidism; Rheumatoid arthritis
NFKB1	2	16	Common variable immunodeficiency; Hypothyroidism
NFKBIL1	2	16	Diabetes mellitus type 1; Rheumatoid arthritis
NMNAT2	2	16	Diabetes mellitus type 1; Systemic lupus erythematosus
NOTCH2	2	16	Diabetes mellitus type 1; Systemic lupus erythematosus
NYAP2	2	16	Diabetes mellitus type 1; Systemic lupus erythematosus
OBP2B	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
OR12D2	2	16	Diabetes mellitus type 1; Rheumatoid arthritis
OR2H2	2	16	Hypothyroidism; Rheumatoid arthritis
OR2I1	2	16	Hypothyroidism; Rheumatoid arthritis
P2RY10	2	16	Hypothyroidism; Rheumatoid arthritis
PADI4	2	16	Autoimmune disease; Rheumatoid arthritis
PANX1	2	16	Autoimmune thyroid disease; Hypothyroidism
PAPOLG	2	16	Sarcoidosis; Systemic lupus erythematosus
PBX2	2	16	Hypothyroidism; Rheumatoid arthritis
PCSK7	2	16	Hypothyroidism; Midline facial cleft
PDCD1	2	16	Autoimmune disease; Systemic lupus erythematosus
PDE10A	2	16	Autoimmune thyroid disease; Hypothyroidism
PDE8B	2	16	Autoimmune thyroid disease; Hypothyroidism
PDGFB	2	16	Hypothyroidism; Rheumatoid arthritis
PGBD1	2	16	Hypothyroidism; Rheumatoid arthritis
PHLDB1	2	16	Celiac disease; Systemic lupus erythematosus
PIK3R5	2	16	Autoimmune thyroid disease; Hypothyroidism
PIP4K2A	2	16	Hypothyroidism; Rheumatoid arthritis
PLB1	2	16	Diabetes mellitus type 1; Rheumatoid arthritis
PLD4	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
PLEK	2	16	Celiac disease; Rheumatoid arthritis
PLXNC1	2	16	Autoimmune disease; Hypothyroidism
PNPT1	2	16	Autoimmune thyroid disease; Hypothyroidism
POLR1H	2	16	Rheumatoid arthritis; Sarcoidosis
POM121L2	2	16	Diabetes mellitus type 1; Rheumatoid arthritis

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
POP7	2	16	Autoimmune disease; Hypothyroidism
POU5F1	2	16	Diabetes mellitus type 1; Rheumatoid arthritis
PRDM1	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
PREX1	2	16	Hypothyroidism; Rheumatoid arthritis
PRKCB	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
PRKCD	2	16	Common variable immunodeficiency; Systemic lupus erythematosus
PRKCQ	2	16	Diabetes mellitus type 1; Rheumatoid arthritis
PRR12	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
PRR15L	2	16	Diabetes mellitus type 1; Rheumatoid arthritis
PRR3	2	16	Hypothyroidism; Rheumatoid arthritis
PRSS16	2	16	Diabetes mellitus type 1; Rheumatoid arthritis
PRXL2B	2	16	Autoimmune disease; Rheumatoid arthritis
PSORS1C2	2	16	Hypothyroidism; Rheumatoid arthritis
PUS10	2	16	Autoimmune disease; Celiac disease
PXT1	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
QRFPR	2	16	Autoimmune thyroid disease; Diabetes mellitus type 1
RAB2A	2	16	Autoimmune thyroid disease; Hypothyroidism
RBFOX1	2	16	Diabetes mellitus type 1; Rheumatoid arthritis
RBPJ	2	16	Hypothyroidism; Rheumatoid arthritis
RETNLB	2	16	Autoimmune disease; Hypothyroidism
RNF182	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
RNF19A	2	16	Diabetes mellitus type 1; Rheumatoid arthritis
RNLS	2	16	Diabetes mellitus type 1; Hypothyroidism
RPS6KA4	2	16	Diabetes mellitus type 1; Systemic lupus erythematosus
RUNX1	2	16	Celiac disease; Rheumatoid arthritis
RXRB	2	16	Hypothyroidism; Rheumatoid arthritis
SBNO2	2	16	Hypothyroidism; Systemic lupus erythematosus
SCT	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
SIGLEC6	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
SIRPG	2	16	Diabetes mellitus type 1; Rheumatoid arthritis
SKAP2	2	16	Diabetes mellitus type 1; Systemic lupus erythematosus
SLAMF6	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
SLC17A1	2	16	Celiac disease; Systemic lupus erythematosus

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
SLC25A37	2	16	Diabetes mellitus type 1; Hypothyroidism
SLC29A3	2	16	Diabetes mellitus type 1; Systemic lupus erythematosus
SLC44A4	2	16	Sarcoidosis; Systemic lupus erythematosus
SLC9A9	2	16	Rheumatoid arthritis; Sarcoidosis
SNRPC	2	16	Celiac disease; Systemic lupus erythematosus
SPEF2	2	16	Autoimmune thyroid disease; Hypothyroidism
SPP1	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
SPRED2	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
SREBF2	2	16	Diabetes mellitus type 1; Hypothyroidism
STAT1	2	16	Rheumatoid arthritis; Systemic lupus erythematosus
STK25	2	16	Diabetes mellitus type 1; Hypothyroidism
STMND1	2	16	Diabetes mellitus type 1; Systemic lupus erythematosus
SYN2	2	16	Hypothyroidism; Systemic lupus erythematosus
SYNGAP1	2	16	Rheumatoid arthritis; Systemic lupus erythematosus