

GeDiPNet Cluster 25 -- 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: 2026-10-08 03:15:01. · Rows: 293 · Generated: 2026-10-08 17:01:03

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
BNC2	11	19	Basal cell carcinoma; Congenital posterior urethral valves; Cutaneous squamous cell carcinoma; Keratinocyte carcinoma; Melanoma; Non-melanoma skin carcinoma; Non-small cell lung carcinoma; Seborrheic keratosis; Skin cancer; Skin disease; Skin neoplasms
CASP8	10	19	Basal cell carcinoma; Cutaneous squamous cell carcinoma; Keratinocyte carcinoma; Melanoma; Non-melanoma skin carcinoma; Non-small cell lung carcinoma; Seborrheic keratosis; Skin cancer; Skin disease; Skin neoplasms
IRF4	10	19	Basal cell carcinoma; Cutaneous squamous cell carcinoma; Keratinocyte carcinoma; Melanoma; Non-melanoma skin carcinoma; Non-small cell lung carcinoma; Seborrheic keratosis; Skin cancer; Skin disease; Skin neoplasms
KRT5	10	19	Basal cell carcinoma; Cutaneous squamous cell carcinoma; Keratinocyte carcinoma; Melanoma; Non-melanoma skin carcinoma; Non-small cell lung carcinoma; Seborrheic keratosis; Skin cancer; Skin disease; Skin neoplasms
LPP	10	19	Basal cell carcinoma; Cutaneous squamous cell carcinoma; Keratinocyte carcinoma; Melanoma; Non-melanoma skin carcinoma; Non-small cell lung carcinoma; Seborrheic keratosis; Skin cancer; Skin disease; Skin neoplasms
RALY	10	19	Basal cell carcinoma; Cutaneous squamous cell carcinoma; Keratinocyte carcinoma; Melanoma; Non-melanoma skin carcinoma; Non-small cell lung carcinoma; Seborrheic keratosis; Skin cancer; Skin disease; Skin neoplasms
SLC45A2	10	19	Basal cell carcinoma; Cutaneous squamous cell carcinoma; Keratinocyte carcinoma; Melanoma; Non-melanoma skin carcinoma; Non-small cell lung carcinoma; Seborrheic keratosis; Skin cancer; Skin disease; Skin neoplasms
TYR	10	19	Basal cell carcinoma; Cutaneous squamous cell carcinoma; Keratinocyte carcinoma; Melanoma; Non-melanoma skin carcinoma; Non-small cell lung carcinoma; Seborrheic keratosis; Skin cancer; Skin disease; Skin neoplasms
BACH2	9	19	Basal cell carcinoma; Cutaneous squamous cell carcinoma; Keratinocyte carcinoma; Melanoma; Non-melanoma skin carcinoma; Non-small cell lung carcinoma; Skin cancer; Skin disease; Skin neoplasms
BRCA2	9	19	Basal cell carcinoma; Cutaneous squamous cell carcinoma; Keratinocyte carcinoma; Melanoma; Non-melanoma skin carcinoma; Non-small cell lung carcinoma; Skin cancer; Skin disease; Skin neoplasms
CPVL	9	19	Basal cell carcinoma; Cutaneous squamous cell carcinoma; Keratinocyte carcinoma; Melanoma; Non-melanoma skin carcinoma; Seborrheic keratosis; Skin cancer; Skin disease; Skin neoplasms
FLACC1	9	19	Basal cell carcinoma; Cutaneous squamous cell carcinoma; Keratinocyte carcinoma; Melanoma; Non-small cell lung carcinoma; Seborrheic keratosis; Skin cancer; Skin disease; Skin neoplasms
HLA-DQA1	9	19	Basal cell carcinoma; Cutaneous squamous cell carcinoma; Keratinocyte carcinoma; Melanoma; Non-melanoma skin carcinoma; Non-small cell lung carcinoma; Skin cancer; Skin disease; Skin neoplasms
MC1R	9	19	Basal cell carcinoma; Cutaneous squamous cell carcinoma; Keratinocyte carcinoma; Melanoma; Non-melanoma skin carcinoma; Non-small cell lung carcinoma; Skin cancer; Skin disease; Skin neoplasms
FOXP1	8	19	Basal cell carcinoma; Cutaneous squamous cell carcinoma; Keratinocyte carcinoma; Melanoma; Non-melanoma skin carcinoma; Non-small cell lung carcinoma; Skin cancer; Skin neoplasms
HERC2	8	19	Basal cell carcinoma; Keratinocyte carcinoma; Melanoma; Non-melanoma skin carcinoma; Non-small cell lung carcinoma; Skin cancer; Skin disease; Skin neoplasms
HLA-DRB1	8	19	Basal cell carcinoma; Keratinocyte carcinoma; Melanoma; Non-melanoma skin carcinoma; Non-small cell lung carcinoma; Skin cancer; Skin disease; Skin neoplasms
MICA	8	19	Basal cell carcinoma; Cutaneous squamous cell carcinoma; Keratinocyte carcinoma; Non-melanoma skin carcinoma; Non-small cell lung carcinoma; Skin cancer; Skin disease; Skin neoplasms
OCA2	8	19	Basal cell carcinoma; Cutaneous squamous cell carcinoma; Melanoma; Non-melanoma skin carcinoma; Non-small cell lung carcinoma; Seborrheic keratosis; Skin cancer; Skin neoplasms
TERT	8	19	Basal cell carcinoma; Keratinocyte carcinoma; Melanoma; Non-small cell lung carcinoma; Seborrheic keratosis; Skin cancer; Skin disease; Skin neoplasms
CLPTM1L	7	19	Basal cell carcinoma; Keratinocyte carcinoma; Melanoma; Non-melanoma skin carcinoma; Non-small cell lung carcinoma; Skin cancer; Skin neoplasms
CTLA4	7	19	Basal cell carcinoma; Cutaneous squamous cell carcinoma; Keratinocyte carcinoma; Melanoma; Non-melanoma skin carcinoma; Skin cancer; Skin neoplasms
HAL	7	19	Basal cell carcinoma; Cutaneous squamous cell carcinoma; histidinemia; Keratinocyte carcinoma; Melanoma; Skin cancer; Skin neoplasms
HLA-B	7	19	Basal cell carcinoma; Keratinocyte carcinoma; Melanoma; Non-melanoma skin carcinoma; Skin cancer; Skin disease; Skin neoplasms

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
TRPS1	7	19	Basal cell carcinoma; Cutaneous squamous cell carcinoma; Keratinocyte carcinoma; Non-small cell lung carcinoma; Skin cancer; Skin disease; Skin neoplasms
CUX1	6	19	Basal cell carcinoma; Keratinocyte carcinoma; Non-melanoma skin carcinoma; Skin cancer; Skin disease; Skin neoplasms
CYP1B1	6	19	Basal cell carcinoma; Keratinocyte carcinoma; Melanoma; Non-melanoma skin carcinoma; Skin cancer; Skin neoplasms
DEF8	6	19	Basal cell carcinoma; Keratinocyte carcinoma; Melanoma; Non-small cell lung carcinoma; Seborrheic keratosis; Skin neoplasms
EPB41L1	6	19	Basal cell carcinoma; Chromosome 20q11-q12 deletion syndrome; Cutaneous squamous cell carcinoma; Keratinocyte carcinoma; Melanoma; Non-melanoma skin carcinoma
ICOS	6	19	Basal cell carcinoma; Cutaneous squamous cell carcinoma; Melanoma; Non-melanoma skin carcinoma; Skin cancer; Skin neoplasms
MYL10	6	19	Basal cell carcinoma; Keratinocyte carcinoma; Non-melanoma skin carcinoma; Skin cancer; Skin disease; Skin neoplasms
PHTF1	6	19	Basal cell carcinoma; Keratinocyte carcinoma; Non-melanoma skin carcinoma; Skin cancer; Skin disease; Skin neoplasms
PTPN22	6	19	Basal cell carcinoma; Melanoma; Seborrheic keratosis; Skin cancer; Skin disease; Skin neoplasms
RCC2	6	19	Basal cell carcinoma; Keratinocyte carcinoma; Melanoma; Non-melanoma skin carcinoma; Skin cancer; Skin neoplasms
RHO	6	19	Basal cell carcinoma; Keratinocyte carcinoma; Melanoma; Non-melanoma skin carcinoma; Skin cancer; Skin neoplasms
RSBN1	6	19	Basal cell carcinoma; Keratinocyte carcinoma; Non-melanoma skin carcinoma; Skin cancer; Skin disease; Skin neoplasms
TGM3	6	19	Basal cell carcinoma; Keratinocyte carcinoma; Melanoma; Non-melanoma skin carcinoma; Skin cancer; Skin neoplasms
TICAM1	6	19	Basal cell carcinoma; Keratinocyte carcinoma; Melanoma; Non-melanoma skin carcinoma; Skin cancer; Skin neoplasms
TP53	6	19	Basal cell carcinoma; Keratinocyte carcinoma; Melanoma; Non-melanoma skin carcinoma; Skin cancer; Skin neoplasms
AHR	5	19	Basal cell carcinoma; Cutaneous squamous cell carcinoma; Melanoma; Skin disease; Skin neoplasms
ANKRD11	5	19	Basal cell carcinoma; Keratinocyte carcinoma; Melanoma; Non-melanoma skin carcinoma; Non-small cell lung carcinoma
ATP11A	5	19	Basal cell carcinoma; Keratinocyte carcinoma; Melanoma; Skin cancer; Skin neoplasms
BCAS4	5	19	Basal cell carcinoma; Keratinocyte carcinoma; Non-melanoma skin carcinoma; Skin cancer; Skin neoplasms
CCDC88B	5	19	Basal cell carcinoma; Keratinocyte carcinoma; Non-melanoma skin carcinoma; Skin cancer; Skin neoplasms
CCR6	5	19	Keratinocyte carcinoma; Melanoma; Non-melanoma skin carcinoma; Skin cancer; Skin neoplasms
CEP43	5	19	Basal cell carcinoma; Keratinocyte carcinoma; Melanoma; Skin cancer; Skin neoplasms
CYRIA	5	19	Basal cell carcinoma; Keratinocyte carcinoma; Non-melanoma skin carcinoma; Skin cancer; Skin neoplasms
JDP2	5	19	Basal cell carcinoma; Keratinocyte carcinoma; Non-melanoma skin carcinoma; Skin cancer; Skin neoplasms
PARD6B	5	19	Basal cell carcinoma; Keratinocyte carcinoma; Non-melanoma skin carcinoma; Skin cancer; Skin neoplasms
RGS22	5	19	Basal cell carcinoma; Keratinocyte carcinoma; Non-melanoma skin carcinoma; Skin cancer; Skin neoplasms
SMC2	5	19	Basal cell carcinoma; Keratinocyte carcinoma; Non-melanoma skin carcinoma; Skin cancer; Skin neoplasms
THNSL2	5	19	Basal cell carcinoma; Keratinocyte carcinoma; Non-melanoma skin carcinoma; Skin cancer; Skin neoplasms
ZNF276	5	19	Basal cell carcinoma; Keratinocyte carcinoma; Melanoma; Non-melanoma skin carcinoma; Skin disease
ADGRV1	4	19	Basal cell carcinoma; Melanoma; Skin cancer; Skin neoplasms
ASIP	4	19	Basal cell carcinoma; Melanoma; Non-melanoma skin carcinoma; Skin neoplasms
ATP8B4	4	19	Basal cell carcinoma; Non-melanoma skin carcinoma; Skin cancer; Skin neoplasms
CTSS	4	19	Basal cell carcinoma; Cutaneous squamous cell carcinoma; Melanoma; Non-melanoma skin carcinoma

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
CTXND2	4	19	Cutaneous squamous cell carcinoma; Melanoma; Skin cancer; Skin neoplasms
EMSY	4	19	Basal cell carcinoma; Skin cancer; Skin disease; Skin neoplasms
EXOC2	4	19	Basal cell carcinoma; Melanoma; Non-melanoma skin carcinoma; Skin disease
FADS2	4	19	Basal cell carcinoma; Non-melanoma skin carcinoma; Skin cancer; Skin neoplasms
FANCA	4	19	Basal cell carcinoma; Keratinocyte carcinoma; Melanoma; Non-melanoma skin carcinoma
HLA-DQB3	4	19	Basal cell carcinoma; Non-melanoma skin carcinoma; Skin cancer; Skin neoplasms
IL2RA	4	19	Basal cell carcinoma; Skin cancer; Skin disease; Skin neoplasms
KANK1	4	19	Basal cell carcinoma; Keratinocyte carcinoma; Skin cancer; Skin neoplasms
KRT6A	4	19	Basal cell carcinoma; Cutaneous squamous cell carcinoma; Seborrhic keratosis; Skin disease
PPARGC1B	4	19	Basal cell carcinoma; Keratinocyte carcinoma; Melanoma; Non-melanoma skin carcinoma
PRDX5	4	19	Basal cell carcinoma; Non-melanoma skin carcinoma; Skin cancer; Skin neoplasms
PTGS2	4	19	Dermatologic disorder; Melanoma; Skin disease; Skin neoplasms
SCAF1	4	19	Basal cell carcinoma; Melanoma; Skin cancer; Skin neoplasms
SLC24A5	4	19	Melanoma; Skin cancer; Skin disease; Skin neoplasms
SPMIP7	4	19	Basal cell carcinoma; Keratinocyte carcinoma; Non-melanoma skin carcinoma; Skin disease
TP63	4	19	Cutaneous squamous cell carcinoma; Non-small cell lung carcinoma; Seborrhic keratosis; Skin disease
TPCN2	4	19	Basal cell carcinoma; Melanoma; Skin cancer; Skin neoplasms
TPRG1	4	19	Cutaneous squamous cell carcinoma; Non-small cell lung carcinoma; Seborrhic keratosis; Skin disease
TRPC4AP	4	19	Basal cell carcinoma; Cutaneous squamous cell carcinoma; Melanoma; Non-melanoma skin carcinoma
ZBTB10	4	19	Basal cell carcinoma; Non-melanoma skin carcinoma; Skin cancer; Skin neoplasms
AQP3	3	19	Melanoma; Non-small cell lung carcinoma; Skin neoplasms
BCL2L12	3	19	Basal cell carcinoma; Skin cancer; Skin neoplasms
CBFA2T2	3	19	Basal cell carcinoma; Melanoma; Non-melanoma skin carcinoma
CCRL2	3	19	Dermatologic disorder; Non-melanoma skin carcinoma; Skin disease
CFL1	3	19	Basal cell carcinoma; Keratinocyte carcinoma; Non-melanoma skin carcinoma
DCST1	3	19	Basal cell carcinoma; Skin cancer; Skin neoplasms
DLGAP4	3	19	Basal cell carcinoma; Melanoma; Non-melanoma skin carcinoma
DUSP22	3	19	Basal cell carcinoma; Cutaneous squamous cell carcinoma; Non-melanoma skin carcinoma
EDEM2	3	19	Basal cell carcinoma; Cutaneous squamous cell carcinoma; Non-melanoma skin carcinoma
ERCC2	3	19	Dermatologic disorder; Skin disease; Skin neoplasms
FAM76B	3	19	Basal cell carcinoma; Skin cancer; Skin neoplasms
GPX4	3	19	Basal cell carcinoma; Keratinocyte carcinoma; Non-melanoma skin carcinoma
GRM5	3	19	Basal cell carcinoma; Melanoma; Non-melanoma skin carcinoma

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
HLA-DPA1	3	19	Basal cell carcinoma; Keratinocyte carcinoma; Non-melanoma skin carcinoma
IL1A	3	19	Dermatologic disorder; Skin disease; Skin neoplasms
IL6	3	19	Basal cell carcinoma; Dermatologic disorder; Skin disease
IRF3	3	19	Non-melanoma skin carcinoma; Skin cancer; Skin neoplasms
JAZF1	3	19	Basal cell carcinoma; Skin cancer; Skin neoplasms
KIAA0930	3	19	Melanoma; Skin cancer; Skin neoplasms
MITF	3	19	Melanoma; Skin cancer; Skin neoplasms
MTAP	3	19	Basal cell carcinoma; Melanoma; Non-small cell lung carcinoma
NOX4	3	19	Basal cell carcinoma; Melanoma; Skin disease
OVOL1	3	19	Basal cell carcinoma; Keratinocyte carcinoma; Non-melanoma skin carcinoma
PIGU	3	19	Basal cell carcinoma; Melanoma; Non-melanoma skin carcinoma
PLA2G6	3	19	Basal cell carcinoma; Melanoma; Skin neoplasms
POU2F3	3	19	Melanoma; Seborrheic keratosis; Skin disease
PTEN	3	19	Dermatologic disorder; Melanoma; Skin disease
RAC1	3	19	Basal cell carcinoma; Keratinocyte carcinoma; Melanoma
RPP40	3	19	Basal cell carcinoma; Keratinocyte carcinoma; Non-small cell lung carcinoma
SBNO2	3	19	Basal cell carcinoma; Keratinocyte carcinoma; Non-melanoma skin carcinoma
SEC16A	3	19	Basal cell carcinoma; Cutaneous squamous cell carcinoma; Non-small cell lung carcinoma
SLC6A17	3	19	Basal cell carcinoma; Keratinocyte carcinoma; progressive essential tremor-speech impairment-facial dysmorphism-intellectual disability-abnormal behavior syndrome
SMAD3	3	19	Basal cell carcinoma; Seborrheic keratosis; Skin disease
SNTA1	3	19	Basal cell carcinoma; Melanoma; Non-melanoma skin carcinoma
SOD2	3	19	Dermatologic disorder; Skin disease; Skin neoplasms
SOX18	3	19	Basal cell carcinoma; Dermatologic disorder; Skin disease
SSBP1	3	19	Dermatologic disorder; optic atrophy 13 with retinal and foveal abnormalities; Skin disease
STN1	3	19	Basal cell carcinoma; Keratinocyte carcinoma; Melanoma
TLCD5	3	19	Melanoma; Seborrheic keratosis; Skin disease
TNF	3	19	Dermatologic disorder; Melanoma; Skin disease
TNS3	3	19	Basal cell carcinoma; Keratinocyte carcinoma; Non-small cell lung carcinoma
UBAC2	3	19	Basal cell carcinoma; Keratinocyte carcinoma; Non-small cell lung carcinoma
WEE1	3	19	Cutaneous squamous cell carcinoma; Skin cancer; Skin neoplasms
XRCC3	3	19	Basal cell carcinoma; Melanoma; Skin neoplasms
ZNF143	3	19	Cutaneous squamous cell carcinoma; Skin cancer; Skin neoplasms
ACSF3	2	19	Melanoma; Non-melanoma skin carcinoma

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
ADAMTS12	2	19	Basal cell carcinoma; Melanoma
AKAP9	2	19	Dermatologic disorder; Skin disease
ALOX12	2	19	Dermatologic disorder; Skin disease
AMOTL1	2	19	Basal cell carcinoma; Non-melanoma skin carcinoma
ANKRD50	2	19	Seborrheic keratosis; Skin disease
ANXA9	2	19	Basal cell carcinoma; Melanoma
AP4B1	2	19	Basal cell carcinoma; Skin neoplasms
APBA2	2	19	Dermatologic disorder; Skin disease
ARHGAP24	2	19	Melanoma; Seborrheic keratosis
ATM	2	19	Melanoma; Skin neoplasms
ATXN7	2	19	Dermatologic disorder; Skin disease
BAP1	2	19	Basal cell carcinoma; Melanoma
BCR	2	19	Melanoma; Skin disease
BPIFB6	2	19	Basal cell carcinoma; Cutaneous squamous cell carcinoma
BZW1	2	19	Melanoma; Non-melanoma skin carcinoma
C11ORF65	2	19	Basal cell carcinoma; Melanoma
CALML5	2	19	Non-melanoma skin carcinoma; Non-small cell lung carcinoma
CASP10	2	19	Melanoma; Skin neoplasms
CBFA2T3	2	19	Melanoma; Non-melanoma skin carcinoma
CCL20	2	19	Dermatologic disorder; Skin disease
CCL4	2	19	Dermatologic disorder; Skin disease
CD44	2	19	Dermatologic disorder; Skin disease
CD83	2	19	Dermatologic disorder; Skin disease
CDH15	2	19	Melanoma; Non-melanoma skin carcinoma
CECR2	2	19	Skin cancer; Skin neoplasms
CERS2	2	19	Basal cell carcinoma; Melanoma
CHMP4B	2	19	Melanoma; Non-melanoma skin carcinoma
CLEC16A	2	19	Basal cell carcinoma; Non-melanoma skin carcinoma
COLEC10	2	19	Basal cell carcinoma; Keratinocyte carcinoma
CSF3	2	19	Melanoma; Skin neoplasms
CTNNA2	2	19	Skin cancer; Skin neoplasms
CTSH	2	19	Basal cell carcinoma; Keratinocyte carcinoma
CTXN2	2	19	Skin cancer; Skin neoplasms

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
CXCL2	2	19	Dermatologic disorder; Skin disease
DCLRE1B	2	19	Melanoma; Non-melanoma skin carcinoma
DHX35	2	19	Basal cell carcinoma; Keratinocyte carcinoma
DPEP1	2	19	Melanoma; Non-melanoma skin carcinoma
DSTYK	2	19	Basal cell carcinoma; Melanoma
DTNBP1	2	19	Basal cell carcinoma; Non-small cell lung carcinoma
EPB41	2	19	Melanoma; Non-melanoma skin carcinoma
ERBB4	2	19	Melanoma; Skin neoplasms
EXO1	2	19	Basal cell carcinoma; Keratinocyte carcinoma
FADS1	2	19	Skin cancer; Skin neoplasms
FAM217A	2	19	Skin cancer; Skin neoplasms
FAM83C	2	19	Melanoma; Non-melanoma skin carcinoma
FARP1	2	19	Basal cell carcinoma; Non-melanoma skin carcinoma
FGFR2	2	19	Dermatologic disorder; Skin disease
FLT1	2	19	Melanoma; Skin neoplasms
FTO	2	19	Melanoma; Skin disease
GABBR1	2	19	Basal cell carcinoma; Non-melanoma skin carcinoma
GADD45B	2	19	Dermatologic disorder; Skin disease
GALNTL5	2	19	Dermatologic disorder; Skin disease
GJB3	2	19	Dermatologic disorder; Skin disease
GLI2	2	19	Basal cell carcinoma; Skin neoplasms
GOLGA4	2	19	Dermatologic disorder; Skin disease
GSTM1	2	19	Dermatologic disorder; Skin disease
GSTO1	2	19	Dermatologic disorder; Skin disease
GTF2I	2	19	Basal cell carcinoma; Skin disease
GUCY2F	2	19	Basal cell carcinoma; Non-melanoma skin carcinoma
HAUS6	2	19	Basal cell carcinoma; Keratinocyte carcinoma
HLA-A	2	19	Skin cancer; Skin neoplasms
HLA-DOA	2	19	Keratinocyte carcinoma; Non-melanoma skin carcinoma
HLA-DQB1	2	19	Basal cell carcinoma; Non-melanoma skin carcinoma
HMCN2	2	19	Melanoma; Non-small cell lung carcinoma
HRAS	2	19	Melanoma; Skin neoplasms
HSPA1B	2	19	Dermatologic disorder; Skin disease

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
ID2	2	19	Dermatologic disorder; Skin disease
IER3	2	19	Dermatologic disorder; Skin disease
IFNA2	2	19	Melanoma; Skin disease
IL10	2	19	Dermatologic disorder; Skin disease
IL1B	2	19	Dermatologic disorder; Skin disease
IL1R1	2	19	Dermatologic disorder; Skin disease
IL1RN	2	19	Dermatologic disorder; Skin disease
INCENP	2	19	Basal cell carcinoma; Melanoma
INPP5A	2	19	Dermatologic disorder; Skin disease
INPP5E	2	19	Basal cell carcinoma; Cutaneous squamous cell carcinoma
JARID2	2	19	Basal cell carcinoma; Melanoma
KCNJ2	2	19	Dermatologic disorder; Skin disease
KL	2	19	Dermatologic disorder; Skin disease
KRT17	2	19	Basal cell carcinoma; Skin neoplasms
LRRC34	2	19	Basal cell carcinoma; Melanoma
MAFF	2	19	Basal cell carcinoma; Skin neoplasms
MINPP1	2	19	Dermatologic disorder; Skin disease
MMP21	2	19	Dermatologic disorder; Skin disease
MMP24	2	19	Melanoma; Non-melanoma skin carcinoma
MMP24OS	2	19	Melanoma; Non-melanoma skin carcinoma
MROH8	2	19	Basal cell carcinoma; Cutaneous squamous cell carcinoma
MTHFR	2	19	Dermatologic disorder; Skin disease
MYH7B	2	19	Melanoma; Non-melanoma skin carcinoma
MYO15A	2	19	Basal cell carcinoma; Non-melanoma skin carcinoma
N4BP2L2	2	19	Dermatologic disorder; Skin disease
NCOA6	2	19	Melanoma; Non-melanoma skin carcinoma
NDRG3	2	19	Melanoma; Non-melanoma skin carcinoma
NDUFB8	2	19	Dermatologic disorder; Skin disease
NFS1	2	19	Basal cell carcinoma; Non-melanoma skin carcinoma
NOTCH2	2	19	Melanoma; Skin neoplasms
NPPA	2	19	Melanoma; Skin neoplasms
NR4A2	2	19	Dermatologic disorder; Skin disease
OGG1	2	19	Dermatologic disorder; Skin disease

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
OLFML2A	2	19	Skin cancer; Skin neoplasms
OR5J2	2	19	Dermatologic disorder; Skin disease
PDE4B	2	19	Dermatologic disorder; Skin disease
PELI1	2	19	Dermatologic disorder; Skin disease
PFKFB3	2	19	Dermatologic disorder; Skin disease
PIAS1	2	19	Dermatologic disorder; Skin disease
PIK3CA	2	19	Basal cell carcinoma; Seborrheic keratosis
PIK3R1	2	19	Basal cell carcinoma; Keratinocyte carcinoma
PLCL1	2	19	Basal cell carcinoma; Non-small cell lung carcinoma
POT1	2	19	Melanoma; Skin neoplasms
PPARD	2	19	Melanoma; Skin neoplasms
PPP6C	2	19	Basal cell carcinoma; Melanoma
PROCR	2	19	Basal cell carcinoma; Non-melanoma skin carcinoma
PRP4K	2	19	Skin cancer; Skin neoplasms
PRR12	2	19	Skin cancer; Skin neoplasms
PRSS8	2	19	Dermatologic disorder; Skin disease
PTCH1	2	19	Basal cell carcinoma; Skin neoplasms
PTK2B	2	19	Melanoma; Skin neoplasms
PTPN14	2	19	Basal cell carcinoma; Melanoma
PTX3	2	19	Dermatologic disorder; Skin disease
RAB11FIP2	2	19	Basal cell carcinoma; Melanoma
RAET1L	2	19	Basal cell carcinoma; Keratinocyte carcinoma
RAI1	2	19	Basal cell carcinoma; Melanoma
RB1	2	19	Basal cell carcinoma; Melanoma
RFX3	2	19	Dermatologic disorder; Skin disease
RGS1	2	19	Dermatologic disorder; Skin disease
RNASET2	2	19	Basal cell carcinoma; Non-melanoma skin carcinoma
RUFY3	2	19	Dermatologic disorder; Skin disease
RXFP3	2	19	Basal cell carcinoma; Melanoma
SCD	2	19	Dermatologic disorder; Skin disease
SEMA4B	2	19	Seborrheic keratosis; Skin disease
SETDB1	2	19	Melanoma; Skin disease
SFPQ	2	19	Dermatologic disorder; Skin disease

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
SGCZ	2	19	Dermatologic disorder; Skin disease
SHANK2	2	19	Skin cancer; Skin neoplasms
SKIL	2	19	Dermatologic disorder; Skin disease
SLC12A1	2	19	Skin cancer; Skin neoplasms
SLC22A31	2	19	Melanoma; Non-melanoma skin carcinoma
SLK	2	19	Basal cell carcinoma; Melanoma
SMO	2	19	Basal cell carcinoma; Skin neoplasms
SNX13	2	19	Basal cell carcinoma; Keratinocyte carcinoma
SOX6	2	19	Basal cell carcinoma; Melanoma
SPATA33	2	19	Melanoma; Non-small cell lung carcinoma
SPIRE2	2	19	Basal cell carcinoma; Melanoma
SRP68	2	19	Dermatologic disorder; Skin disease
STRN	2	19	Basal cell carcinoma; Keratinocyte carcinoma
TAF1D	2	19	Dermatologic disorder; Skin disease
TGIF2-RAB5IF	2	19	Melanoma; Non-melanoma skin carcinoma
TMCC2	2	19	Basal cell carcinoma; Melanoma
TNFAIP6	2	19	Dermatologic disorder; Skin disease
TNIK	2	19	Dermatologic disorder; Skin disease
TRA2A	2	19	Dermatologic disorder; Skin disease
TRAK2	2	19	Basal cell carcinoma; Non-melanoma skin carcinoma
TRAPPC10	2	19	Dermatologic disorder; Skin disease
TRIM2	2	19	Skin cancer; Skin neoplasms
TSPYL5	2	19	Basal cell carcinoma; Keratinocyte carcinoma
TTC27	2	19	Seborrheic keratosis; Skin disease
TUFT1	2	19	Seborrheic keratosis; Woolly hair-skin fragility syndrome
UBE2E1	2	19	Dermatologic disorder; Skin disease
UQCC1	2	19	Melanoma; Non-melanoma skin carcinoma
USO1	2	19	Dermatologic disorder; Skin disease
USP13	2	19	Dermatologic disorder; Skin disease
XPA	2	19	Basal cell carcinoma; Skin neoplasms
ZAN	2	19	Basal cell carcinoma; Non-melanoma skin carcinoma
ZBTB7B	2	19	Basal cell carcinoma; Keratinocyte carcinoma
ZFAND6	2	19	Dermatologic disorder; Skin disease

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
ZFPM1	2	19	Basal cell carcinoma; Non-melanoma skin carcinoma
ZNF267	2	19	Dermatologic disorder; Skin disease
ZNF341	2	19	hyper-IgE recurrent infection syndrome 3, autosomal recessive; Non-melanoma skin carcinoma
ZNF469	2	19	Basal cell carcinoma; Non-melanoma skin carcinoma
ZSWIM6	2	19	Acromelic frontonasal dysostosis; Non-melanoma skin carcinoma