

Affected genes

BAFFR

CARD11

CECR1

CSF2RA

CTLA-4

Del 22q11.2

FAS (TNFRSF6) germline

ICOS

IKAROS

IKZF1

LRBA

NFKB1

NFKB2

NFKBIA

PIK3CD (PI3K-delta)

PIK3R1

RLTPR (CARMIL2)

SOCS1

STAT1

STAT1 (GOF)

STAT3-GOF

TACI

TNFAIP3