

**Gener för medfödda immundefekter (n=482)**

ACD	BLNK	CASP10
ACP5	BLOC1S6	CASP8
ACTB	BTK	CBL
ADA	C1QA	CD19
ADA2	C1QB	CD21
ADAM17	C1QBP	CD247
ADAR	C1QC	CD28
AICDA	C1R	CD3D
AIRE	C1S	CD3E
AK2	C2	CD3G
ALG1	C2orf69	CD4
ALPI	C3	CD40
ALPK1	C4A	CD40LG
AP3B1	C4B	CD46
AP3D1	C5	CD48
APOL1	C6	CD55
ARHGEF1	C7	CD59
ARPC1B	C8A	CD70
ATAD3A	C8B	CD79A
ATG4A	C8G	CD79B
ATM	C9	CD81
ATP6AP1	CA2	CD8A
B2M	CARD11	CDC42
BACH2	CARD14	CDCA7
BCL10	CARD8	CEBPE
BCL11B	CARD9	CFB
BLM	CARMIL2	CFD

CFH	CWF19L2	ERBIN
CFHR1	CXCR2	ERCC6L2
CFHR3	CXCR4	EXTL3
CFI	CYBA	FAAP24
CFP	CYBB	FADD
CHD7	CYBC1	FCGR3A
CHUK	DBR1	FCHO1
CIB1	DCLRE1B	FCN3
CIITA	DCLRE1C	FERMT1
CLCN7	DDX58	FERMT3
CLEC16A	DEF6	FLT3LG
CLEC7A	DIAPH1	FNIP1
CLPB	DKC1	FOXN1
COL7A1	DNAJC21	FOXP3
COLEC11	DNASE1L3	FPR1
COPA	DNASE2	G6PC
COPG1	DNMT3B	G6PC3
CORO1A	DOCK11	G6PD
CRACR2A	DOCK2	GATA1
CSF2RA	DOCK8	GATA2
CSF2RB	DUOX1	GFI1
CSF3R	DUOX2	GIMAP5
CTC1	DUOXA1	GIMAP6
CTLA4	EFL1	GINS1
CTNBL1	ELANE	GUCY2C
CTPS1	ELF4	HAVCR2
CTSC	EPG5	HAX1

HCK	IL12RB2	ITCH
HELLS	IL17F	ITGB2
HMOX1	IL17RA	ITK
HPS1	IL17RC	ITPKB
HPS4	IL18BP	JAGN1
HPS6	IL1RN	JAK1
HYOU1	IL21	JAK3
ICOS	IL21R	KMT2D
ICOSLG	IL23R	KRAS
IFIH1	IL2RA	LAMTOR2
IFNAR1	IL2RB	LAT
IFNAR2	IL2RG	LCK
IFNG	IL36RN	LCP2
IFNGR1	IL6R	LIG1
IFNGR2	IL6ST	LIG4
IGHM	IL7R	LPIN2
IGLL1	INO80	LRBA
IKBKB	IRAK1	LRRC8A
IKBKG	IRAK4	LSM11
IKZF1	IRF1	LYST
IKZF2	IRF2BP2	MADD
IKZF3	IRF3	MAGT1
IL10	IRF4	MALT1
IL10RA	IRF7	MAN2B2
IL10RB	IRF8	MAP1LC3B2
IL12B	IRF9	MAP3K14
IL12RB1	ISG15	MAP4K1

MAPK8	NFAT5	PDLIM1
MASP1	NFE2L2	PEPD
MASP2	NFKB1	PGM3
MBL2	NFKB2	PIGA
MCM10	NFKBIA	PIK3CA
MCM4	NFKBID	PIK3CD
MEFV	NHEJ1	PIK3CG
MKL1	NHP2	PIK3R1
MOGS	NKX2-5	PLCG2
MRE11A	NLRC4	PLEKHM1
MS4A1	NLRP1	PLVAP
MSH6	NLRP12	PMS2
MSN	NLRP3	PNP
MTHFD1	NOD2	POLA1
MVK	NOP10	POLD1
MYD88	NOS2	POLD2
MYO5A	NOTCH1	POLD3
MYSM1	NPC1	POLE
NAF1	NRAS	POLE2
NBAS	NSMCE3	POLR3A
NBEAL2	OAS1	POLR3C
NBN	ORAI1	POLR3F
NCF1	OSTM1	POMP
NCF2	OTULIN	POT1
NCF4	PARN	POU2AF1
NCKAP1L	PAX1	PRF1
NEIL3	PDCD1	PRKCD

PRKDC	RIPK1	SLC11A1
PSMA3	RMRP	SLC26A3
PSMB10	RNASEH2A	SLC29A3
PSMB4	RNASEH2B	SLC35C1
PSMB8	RNASEH2C	SLC37A4
PSMB9	RNF168	SLC39A7
PSMG2	RNF31	SLC46A1
PSTPIP1	RNU4ATAC	SLC7A7
PTEN	RNU7-1	SLC9A3
PTPRC	RORC	SLCO2A1
RAB27A	RPA1	SMARCAL1
RAC2	RPSA	SMARCD2
RAG1	RTEL1	SNORA31
RAG2	RTP4	SNX10
RANBP2	SAMD9	SOCS1
RAP1B	SAMD9L	SP110
RASGRP1	SAMHD1	SPI1
RBCK1	SASH3	SPINK5
RC3H1	SBDS	SPPL2A
REL	SEC61A1	SRP54
RELA	SEMA3E	STAT1
RELB	SERPING1	STAT2
RFX5	SH2D1A	STAT3
RFXANK	SH3BP2	STAT5B
RFXAP	SH3KBP1	STAT6
RHOG	SHARPIN	STIM1
RHOH	SKIV2L	STK4

STN1	TLR3	TRNT1
STX11	TLR7	TTC37
STXBP2	TLR8	TTC7A
STXBP3	TMC6	TYK2
SYK	TMC8	TYMS
TAP1	TMEM173	UBA1
TAP2	TNFAIP3	UNC13D
TAPBP	TNFRSF11A	UNC93B1
TAZ	TNFRSF13B	UNG
TBK1	TNFRSF13C	USB1
TBX1	TNFRSF1A	USP18
TBX21	TNFRSF4	USP43
TCF3	TNFRSF6	VAV1
TCIRG1	TNFRSF7	VPS13B
TCN2	TNFRSF9	VPS45
TERC	TNFSF10	WAS
TERT	TNFSF11	WDR1
TET2	TNFSF12	WIPF1
TFRC	TNFSF13	WRAP53
TGFB1	TNFSF6	XIAP
TGFBR1	TOP2B	ZAP70
TGFBR2	TPP2	ZBTB24
THBD	TRAC	ZCCHC8
TICAM1	TRAF3	ZNF341
TINF2	TRAF3IP2	ZNFX1
TIRAP	TREX1	
TLR2	TRIM22	