

Gene	LF	Dataset	References	Functional role or involvement in patho
NR4A2	LF2	CD4 transcrip	26564988	Protective effect against inflammatory
CSRNP1	LF2	CD4 transcrip	-	-
SIK1	LF2	CD4 transcrip	25114223	Identified as a possible drug target for c
FOSB	LF2	CD4 transcrip	-	-
NR4A1	LF2	CD4 transcrip	34182489;34	Susceptibility loci in a Japanese family \
CDKN1A	LF2	CD4 transcrip	-	-
PPP1R15A	LF2	CD4 transcrip	-	-
SLC2A3	LF2	CD4 transcrip	31618209	One among six genes whose expression
JUN	LF2	CD4 transcrip	12223450	Involved in the pathogenic mechanisms
MYADM	LF2	CD4 transcrip	-	-
MIDN	LF2	CD4 transcrip	-	-
ZFP36	LF2	CD4 transcrip	34380509	Involved in intestinal mucosal homeost:
SMAD7	LF2	CD4 transcrip	31553906;11	Controls Immunoregulatory PDL2/1-PD1
TNFAIP3	LF2	CD4 transcrip	29788367;33	IBD susceptibility locus; involved in resp
TOB2	LF2	CD4 transcrip	33247598	Over-expressed in the colonic mucosa o
FOS	LF2	CD4 transcrip	-	-
RGS1	LF2	CD4 transcrip	21795595	Involved in gut T cell trafficking
FAM46C	LF2	CD4 transcrip	-	-
PTGER4	LF2	CD4 transcrip	33558271	Prostaglandin E 2 receptor PTGER4-expi
YPEL5	LF2	CD4 transcrip	33963246	Correlation between methylation abnor

genesis of IBD

bowel disease by negatively regulating the TRAF6/TLR-IL-1R signalling axis

colitis based on small-molecule screening

with CD; modulates inflammation-associated intestinal fibrosis and dampens fibrogenic signalling

IL-17 levels in blood differentiated IBD patients from non-IBD controls
associated with steroid unresponsiveness in CD patients

Smad7

IL-17 Signaling in Intestinal Inflammation and Autoimmunity; Blocking Smad7 restores TGF-β1 response to anti-TNF treatment; master switch of cytokines such as IL-17
IL-17 levels in remission compared with the active UC and control group

regulating macrophages promote intestinal epithelial barrier regeneration upon inflammation
IL-17 expression patterns in CD patients

aling in myofibroblasts

signaling in chronic inflammatory bowel disease