

1 Supplementary material

Table S1

GENE	FP	RP	PROBE	EFFICIENCY
IL6	CCA-GGA-GCC-CAG-	CCC-AGG-GAG-AAG-	CCT-TCT-CCA-CAA-GCG-CCT-TCG-	104%
	CTA-TGA-AC	GCA-ACT-G	GT	
IL22	ACA-GAC-GTT-CGT-	TGA-AGT-TCA-GCA-CCT-	CGC-TCA-CTC-ATA-CTG-ACT-CCG-	Not sufficient for testing
	CTC-ATT-GG	GCT-TC	TGG-A	
FOXP3	GAG-AGG-CTG-AGT-	GGA-GCC-CTT-GTC-	AAT-GGC-ACT-GAC-CAA-GGC-	97%
	GCC-ATG-CA	GGA-TGA-T	TTC-ATC-TGT-G	
IL33	TGA-GTC-TCA-ACA-	GGC-ATG-CAA-CCA-	CAG-GTG-ACG-GTG-TTG-ATG-	96%
	CCC-CTG-AAA-TG	GAA-GTC-TTT-	GTA-AGA-TGT-TAA-TG	
IL18		CCA-TAC-CTC-TAG-GCT-	TGA-CTG-TAG-AGA-TAA-TGC-	100%
		GGC-TGG-CTA-TCT-TTT	ACC-CCG-GAC-CAT-ATT-TAT-TAT-A	
TLR4	CCT-TCT-CAA-CCA-	CTG-GAT-TTC-ACA-CCT-	CCC-TGA-GGC-ATT-TAG-GCA-GC	100%
	AGA-ACC	GGA-TA		
TBX21	GGC-GTC-CAA-CAA-	CAA-CGA-TAT-GCA-	AGA-TGA-TTG-TGC-TCC-AGT-CCC	96%
	TGT-GAC-C	GCC-GGG		
TGFB	CTG-CTG-AGG-CTC-	TGA-GGT-ATC-GCC-	CAG-CAC-GTG-GAG-CTG-TAC-	100%
	AAG-TTA-AAA-GTG	AGG-AAT-TGT	CAG-AAA-TAC-AGC	
IL21	TAT-GTG-AAT-GAC-	AGG-AAA-AAG-CTG-	TTT-CTG-CCA-GCT-CCA-GAA-GAT-	90%
	TTG-GTC-CCT-GA	ACC-ACT-CAC-AG	GTA-GAG-ACA-A	
IL23	CCC-AAG-GAC-TCA-	TCC-TAG-CAG-CTT-CTC-	TCA-GTT-CTG-CTT-GCA-AAG-	97%
	GGG-ACA-AC	ATA-AAA-AAT-CA	GAT-CCA-CCA-G	
IL17	TGA-TTG-GAA-GAA-	ATT-GTG-ATT-CCT-GCC-	TGG-TGT-CAC-TGC-TAC-TGC-TGC-	100%
	ACA-ACG-ATG-ACT	TTC-ACT-ATG	TGA-GC	
SPI1	CCA-TCA-GAA-GAC-	CCA-GTA-ATG-GTC-	ACA-CGG-TAC-TAT-ACC-AAC-	93%
	CTG-GTG-	GCT-ATG	GCC-AA	

IL13	CCA-CAG-AAA-TTC- CCA-CAA	TCC-TCA-GAG-TCT-CAT- TGG	AAG-GAG-CCT-TGG-CAC-TGC-TT	Not sufficient for testing
TNF	CAC-GCT-CTT-CTG- CCT-GCT-G	GAT-GAT-CTG-ACT- GCC-TGG-GC	CCA-GAG-GGA-AGA-GTT-CCC- CAG-GGA-C	111%
ACTB	TGC-CGA-CAG-GAT- GCA-GAA-G	GCC-GAT-CCA-CAC- GGA-GTA-CT	AGA-TCA-AGA-TCA-TTG-CTC-CTC- CTG-AGC-GC	97%
IL10	CGA-GAT-GCC-TTC- AGC-AGA-GTG-	TCA-TCT-CAG-ACA- AGG-CTT-GGC	CCT-TGC-TGG-AGG-ACT-TTA- AGG-GTT-ACC-TGG	106%
RORC	CAG-CGC-TCC-ACC- ATC-TTC-C	GCA-CAC-CGT-TCC-CAC- ATC-TC	AGG-AAG-TGA-CTG-GCT-ACC- AGA-GGA-AGT-CCA-T	108%
IL1B	CCT-GAG-CTC-GCC- AGT-GAA-A	TTT-AGG-GCC-ATC- AGC-TTC-AAA	ATG-GCT-TAT-TAC-AGT-GGC- AAT-GAG-GAT-GAC-T	98%
IL4	CGG-CTC-GAC-AGG- AAC-CTC-T	TCC-AAG-TTT-TCC-AAC- GTA-CTC-T	CGG-GCT-TGA-ATT-CCT-GTC-CTG- TGA-AG	102%
IFN	AGC-GGA-TAA-TGG- AAC-TCT-TTT-CTT-AG	AAG-TTT-GAA-GTA- AAA-GGA-GAC-AAT- TTG-G	CAT-TTT-GAA-TTG-GAA-AGA- GGA-GAG-TGA-C	107%
IL1RL1	ACA-CCT-GTA-AAT- TTA-TAC-ACA-ATG-A	CCT-TGC-TCA-TCC-TTG- ACC	CCT-GGT-CGC-CGT-CAC-ACT-AT	96%
GATA3	GCG-AGC-AAC-GCA- ATC-TGA	GGG-CGA-CGA-CTC- TGC-AAT	AGG-TGA-CCC-GAG-GAG-GGA- CTC-CG	97%
IL8	TVT-TGG-CAG-CCT- TCC-TGA-TT	TTT-CTG-TGT-TGG-CGC- AGT-GT	CTG-CAG-CTC-TGT-GTG-AAG- GTG-CAG-T	104%
IL5	ATA-GCC-AAT-GAG- ACT-CTG-AGG-ATT-C	CAG-TGT-GCC-TAT-TCC- CTG-AAA-GA	CTG-TAC-ATA-AAA-ATC-ACC- AAC-TGT-GCA-CTG-AAG-AAA	Not sufficient for testing

Table S2

GENE	PARAMETER	MEAN	T-VALUE	SIG
DIFFERENCE				
IL10	MES	0.869	2.606	0.011
IL33	MES	1.133	3.687	<0.001
TNF	MES	0.645	3.174	0.003
TLR4	MES	0.579	3.841	0.001
IL1RL1	MES	1.185	3.785	<0.001
SPI1	MES	0.849	2.562	0.013
TBX	MES	2.140	3.696	<0.001
GATA3	MES	1.230	3.696	<0.001
RORC	MES	0.648	2.162	0.034
FOXP3	MES	1.466	3.573	0.001

Table 2 Independent student t-test for the Mayo endoscopic grade of 0 and 1. Overall the endoscopic subgrade of 1 had a higher genetic transcription than 0.