The mitochondrial negative regulator MCJ modulates the interplay between microbiota and the host during ulcerative colitis

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Supplementary Table 1. Forward and reverse primer sequences for mouse *Tlr2, Tlr4, Tlr5, Tlr9, Myd88, Trif, Il-6, Il1b, Ptgs2, Nos2, Tnf, Adam17, Timp3, Tnfr1, Tnfr2, Tgfb, Il-10, Ifnγ, Stat1, Muc2, Muc3, Tjp1, Pigr, Cld2, Cldn5, Ocln1, Dnajc15, Reg3b, Reg3g,* and *Rpl19,* and qPCR conditions, reagents, instrument and quantification.

Gene	**Forward (F) and reverse (R) primer sequences**	**Annealing temperature (°C)**
Tlr2	F: GCAGAATCAATACAATAGAGGGAGACGC	60
	R: AAGTGAAGAGTCAGGTGATGGATGTCG	
Tlr4	F: GCAATGTCTCTGGCAGGTGTA	60
	R: CAAGGGATAAGAACGCTGAGA	
Tlr5	F: ATGGCATGTCAACTTGACTT	55
	R: GATCCTAAGATTGGGCAGGT	
Tlr9	F: CAGCTAAAGGCCCTGACCAA	58
	R: GCGATCCACCGTCTTGAGAA	
Myd88	F: CCGCCTATCGCTGTTCTTGA	59
	R: GCCAGGCATCCAACAAACTG	
Trif	F: GGACCCCACCTAGATGGCTA	59
	R: CCCAAGCTAAGTCCTCTGGC	
Il6	F: ACCACGGCCTTCCCTACTTCAC	60
	R: TTCTCATTTCCACGATTTCCCAG	
Il1b	F: ACACTCCTTAGTCCTCGGCCA	60
	R: CCATCAGAGGCAAGGAGGAA	
Ptgs2	F: GGGTTGCTGGGGGAAGAAATG	58
	R: GGTGGCTGTTTTGGTAGGCTG	
Nos2	F: GTTGAAGACTGAGACTCTGG	58
	R: GACTAGGCTACTCCGTGGA	
Tnf	F: AGCCCACGTCGTAGCAAACCAC	60
	R: ATCGGCTGGCACCACTAGTTGGT	
Adam17	F: TGGGACACAATTTTGGAGCA	60
	R: CCTCCTTGGTCCTCATTTGG	
Timp3	F: GGCCTCAATTACCGCTACCA	60
	R: CTGATAGCCAGGGTACCCAAAA	
Tnfr1	F: GCTGTTGCCCCTGGTTATCT	60
	R: ATGGAGTAGACTTCGGGCCT	
Tnfr2	F: CTCTCCAAGCCCACCGAAAT	60
	R: GGACCACTGAGTTACAGCCC	
Tgfb	F: CACTGATACGCCTGAGTG	60
	R: GTGAGCGCTGAATCGAAA	
Il10	F: TGGCCCAGAAATCAAGGAGC	58
	R: CAGCAGACTCAATACACACT	
Ifng	F: TGGTGACATGAAAATCCTGCAGAG	59
	R: GCTTATGTTGTTGCTGATGGCCTG	

Stat1	F: TCTGAATATTTCCCTCCTGGG	60
	R: CGGAAAAGCAAGCGTAATCT	
Muc2	F: GATAGGTGGCAGACAGGAGA	58
	R: GCTGACGAGTGGTTGGTGAATG	
Muc3	F: CGTGGTCAACTGCGAGAATGG	58
	R: CGGCTCTATCTCTACGCTCTC	
Tjp1	F: GTTGGTACGGTGCCCTGAAAGA	58
	R: GCTGACAGGTAGGACAGACGAT	
Pigr	F: CGAAGCTACAAGGGAGCCAA	60
	R: ACGGATAGTGGCAGGAAACG	
Cldn2	F: AGGACTTCCTGCTGACATCCAG	58
	R: AATCCTGGCAGAACACGGTGCA	
Cldn5	F: TGACTGCCTTCCTGGACCACAA	60
	R: CATACACCTTGCACTGCATGTGC	
Ocln1	F: TGGCAAGCGATCATACCCAGAG	58
	R: CTGCCTGAAGTCATCCACACTC	
Dnajc15	F: ACGCCGACATCGACCACACAG	58
	R: AATCTTCCTTGCTGTTGCCGTG	
Reg3b	F: TACTGCCTTAGACCGTGCTTTCTG	60
	R: GACATAGGGCAACTTCACCTCACA	
Reg3g	F: TTCCTGTCCTCCATGATCAAAA	60
	R: CATCCACCTCTGTTGGGTTCA	
Caspase-3	F: ATGGAGAACAACAAAACCTCAGT	60
	R: TTGCTCCCATGTATGGTCTTTAC	
Rpl19	F: GACCAAGGAAGCACGAAAGC	60
	R: CAGGCCGCTATGTACAGACA	
Conditions	Hold cycle 95°C for 2.30', and then 40x (95°C for 15", 60°C for 1´)	
Reagents	PerfeCTa SYBR® Green SuperMix (Quantabio)	
Instrument	QuantStudio 6 Flex Real-Time PCR System	
Expression	Normalized to *Rpl19* housekeeping gene using the Pfaffl equation and expressed relative to the mean of a relevant control group	