

## Supplementary Table S2

**Table S2. Overview of genes and corresponding primer pairs for reverse transcriptase quantitative real-time PCR.**

Gene symbol	Accession no.	Primer sequence (5'-3')		Location of amplicon	Exon junction span	Bp	E (%)	R <sup>2</sup>	Slope	Ta
Reference Genes										
ACTB	NM_001101	Sense:	AGAGCTACGAGCTGCCTGAC	797.....816	Yes	184	97.7	0.990	-3.377	65.8
		Anti-sense:	AGCACTGTGTTGGCGTACAG	980.....961						
RPL13	NM_012423	Sense:	AGCCTACAAGAAAGTTTGCCTAT	411.....433	Yes	126	98.7	0.996	-3.354	63.3
		Anti-sense:	TCTTCTTCCGGTAGTGGATCTTGGC	536.....512						
PPIA	NM_021130	Sense:	TCCTGGCATCTTGTCCATG	326.....344	Yes	90	96.6	0.963	-3.406	62.7
		Anti-sense:	CCATCCAACCACTCAGTCTTG	415.....395						
UBE2D2	NM_003339	Sense:	TGCCTGAGATTGCTCGGATCT	812.....832	Yes	81	105.5	0.993	-3.197	65.0
		Anti-sense:	TCGCATACTTCTGAGTCCATTCC	892.....870						
GADPH	NM_002046	Sense:	CCTGCACCACCAACTGCTTA	528.....547	Yes	109	105.9	0.994	-3.189	65.7
		Anti-sense:	GTCTTCTGGGTGGCAGTGATG	636.....616						
GPS1	NM_212492	Sense:	CGTGCCCTCATCCAGTATTTTC	1664.....1684	Yes	52	86.4	0.994	-3.697	63.8
		Anti-sense:	TCCTATGCATGTCGGCTGAC	1715.....1696						
Targeted genes in the NLRP3 system										
NLRP3	NM_004895	Sense:	GATCTTCGCTGCGATCAACAG	965.....985	Yes	81	105.2	0.999	-3.203	64.2

		Anti-sense:	CGTGCATTATCTGAACCCAC	1045.....1025						
PYCARD	NM_145182	Sense:	ATCCAGGCCCTCCTCAGTC	368.....387	Yes	85	93.6	0.999	-3.485	65.4
		Anti-sense:	TTGTGACCCTCGCGATAAGC	452.....433						
CASP1	NM_001257118	Sense:	GAAGGCATTTGTGGGAAGAA	752.....771	Yes	424	92.2	0.998	-3.524	61.6
		Anti-sense:	CATCTGGCTGCTCAAATGAA	1175.....1156						
IL18	NM_001562	Sense:	CGCTTCCTCTCGCAACAAAC	158.....177	Yes	143	105.0	0.986	-3.208	64.7
		Anti-sense:	ATTCCAGGTTTTATCATCTTCAGC	300.....276						
IL 1B	NM_000576	Sense:	GGCTGCTCTGGGATTCTCTTC	32.....52	Yes	98	91.3	0.999	-3.549	64.3
		Anti-sense:	ATAAGCCATCATTTCACTGGCG	129.....108						
<b>Glial activation markers</b>										
HLA-DRA	NM_019111	Sense:	GACAAGTTCACCCCACCAGT	467.....486	No	115	106.9	0.999	-3.165	65.2
		Anti-sense:	ACTTGCGGAAAAGGTGGTCT	581.....562						
AIF1	NM_001623	Sense:	TGTCTCCCCACCTCTACCAG	64.....83	Yes	109	99.66	0.977	-3.330	65.3
		Anti-sense:	CATCCAGCCTCTCTTCCTGC	172.....153						
GFAP	NM_002055	Sense:	CCCTCACCAAATTCCACCCG	3138.....3157	No	91	109.4	0.995	-3.116	65.2
		Anti-sense:	TTGAGTTGCAGGTAGCAGGG	3228.....3209						

Bp: length of the amplicon in base pair; E: amplification efficiency; R<sup>2</sup>: coefficient of correlation; Ta: annealing temperature.