

### Additional file 3: Quantitative RT-PCR – primer and probe sequences

Gene	Genbank Accession no.	Oligonucleotide Sequences (5'-3')	Reference
<i>Cxcl1(KC)</i>	NM_008176.3	Primer (upstream) GATGCTAAAAGGTGTCCCA Primer (downstream)AGACTGCTCTGATGGCACCT TaqMan Probe FAM-GTCAGAAGCCAGCGTTCAC-BHQ	*
<i>Cxcl2(MIP-2a)</i>	NM_009140.2	Primer (upstream) CTGAACAAAGGCAAGGCTAACT Primer (downstream)ACCTGGAAAGGAGGACCT TaqMan Probe FAM-CTTTGGTTCTTCCGTTGAGG-BHQ	*
<i>Il-17</i>	NM_010552	Primer (upstream) GCTCCAGAAGGCCCTCAGA Primer (downstream)CTCTCCACCGCAATGAAGACCTGA TaqMan Probe FAM-AGCTTTCCTCCGCATTGA-BHQ	[1]
<i>TNF</i>	NM_013693.3	Primer (upstream) CATCTTCTCAAAATTCGAGTGACAA Primer (downstream)TGGGAGTAGACAAGGTACAACCC TaqMan Probe FAM-CACGTCGTAGCAAACCACCAAGTGGA-BHQ*	[2]
<i>INF<math>\gamma</math></i>	NM_008337.3	Primer (upstream) GAACTGGCAAAAGGATGGTGAC Primer (downstream)GTTGCTGATGGCCTGATTGTC TaqMan Probe FAM-TGAAAATCCTGCAGAGCCAGA-BHQ*	ID 8139 [3]
<i>Tff3</i>	NM_011575.2	Primer (upstream) TAATGCTGTTGGTGGTCTCTG Primer (downstream)CAGCCACGGTTGTACTG TaqMan Probe FAM-ATGTCAGAGTGGACTGTGGCTAC-BHQ	*
<i>E-Cad (Cdh1)</i>	NM_009864.2	Primer (upstream) GGCTTCAGTTCCGAGGTCTA Primer (downstream)AGTCTTCCGAAAAGAAGGCTG TaqMan Probe FAM-TCCTGGGCAGAGTGAGATTT -BHQ	*
<i>Ef-1a</i>	NM_010106.2	Primer (upstream) AAAAACGACCCACCAATGG Primer (downstream)GGCCTGGATGGTTCAGGATA TaqMan Probe FAM- AGCAGCTGGCTTCACGCTCAGGTG -BHQ	[4]
<i>B2m</i>	NM_009735.3	Primer (upstream) ATTCACCCCACTGAGACTGA Primer (downstream)CTCGATCCCAGTAGACGGTC TaqMan Probe FAM-TGCAGAGTTAAGCATGACAGTATGGCCG -BHQ	[5]
<i>Gapdh</i>	NM_008084.2	Primer (upstream) TCACCACCATGGAGAAGG Primer (downstream)GCTAAGCAGTTGGTGGTGCA TaqMan Probe FAM-ATGCCCCCATGTTTGTGATGGGTGT-BHQ	[1]

\*Primers and/or probes designed by authors.

## References

1. Giulietti A, Overbergh L, Valckx D, Decallonne B, Bouillon R, Mathieu C: **An overview of real-time quantitative PCR: applications to quantify cytokine gene expression.** *Methods* 2001, **25**:386-401.
2. Innamorato NG, Rojo AI, Garcia-Yague AJ, Yamamoto M, de Ceballos ML, Cuadrado A: **The transcription factor Nrf2 is a therapeutic target against brain inflammation.** *J Immunol* 2008, **181**:680-689.
3. Pattyn F, Robbrecht P, De Paepe A, Speleman F, Vandesompele J: **RTPPrimerDB: the real-time PCR primer and probe database, major update 2006.** *Nucleic Acids Res* 2006, **34**:D684-688.
4. Braun J, Mundhenk L, Range F, Gruber AD: **Quantitative expression analyses of candidates for alternative anion conductance in cystic fibrosis mouse models.** *J Cyst Fibros* 2010, **9**:351-364.
5. Norris MD, Burkhart CA, Marshall GM, Weiss WA, Haber M: **Expression of N-myc and MRP genes and their relationship to N-myc gene dosage and tumor formation in a murine neuroblastoma model.** *Med Pediatr Oncol* 2000, **35**:585-589.