

| Gene | Genbank | Inner1 | Inner2 | PCR product size |
|-------------|--------------|-----------------------|------------------------|------------------|
| | | 5' TO 3' | 5' TO 3' | (bp) |
| TLR1 | NM_030682 | TACAGTTCCTGGGGTTGAGC | TAGTGCTGACGGACACATCC | 216 |
| TLR2 | NM_011905 | CGTTGTTCCTGTGTTGCT | AAAGTGGTTGTCGCCTGCT | 119 |
| TLR3 | NM_126166 | TTGCGTTGCCAAGTGAAG | TAAAAAGAGCGAGGGGACAG | 406 |
| TLR4 | NM_021297 | TTACCTCTGCCTTCACTACA | GGGACTTCTCAACCTTCTCAA | 225 |
| TLR5 | NM_016928 | CAGGATGTTGGCTGGTTTCT | CGGATAAAGCGTGAGAGTT | 169 |
| TLR6 | NM_011604 | ATGGCACAGCGACTTACTT | ATGAGAGCCCAGGTTGACAG | 170 |
| TLR7 | NM_133211 | GCTGTGTGGTTTGTCTGGTG | CCCCTTTATCTTTGCTTTCC | 270 |
| TLR8 | NM_133212 | GACTTCATCCACATCCCAAA | TCCCAATCCCTCTCCTCTAA | 156 |
| TLR9 | NM_031178 | GAAAGCATCAACCACACCAA | ACAAGTCCACAAAGCGAAGG | 304 |
| TLR13 | NM_205820 | CTGTCTTCACCAACGGGATT | CAAGTCGGCACCATTCACT | 131 |
| CathepsinD* | NM_009983 | GCTGTTCTGTTCTGTGGTTC | TTCTGTCTCTTCTTGCTCCTTC | 326 |
| GAPDH* | NM_001001303 | AACTCCCACTCTTCCACCTT | GCCCCTCTGTTATTATGG | 269 |
| GFAP* | NM_010277 | GAAAACCGCATCACCATTCC | CGCATCTCCACAGTCTTTACC | 128 |
| IL-6 | NM_031168 | TTCCATCCAGTTGCCTTCTT | ATTTCACGATTTCCCAGAG | 171 |
| IL-1alpha* | NM_010554 | GATGTCCAACCTTCACCTTCA | ACAAACTTCTGCCTGACGA | 228 |
| IL-1beta* | NM_008361 | GTGTAATGAAAGACGGCACA | AGAAACAGTCCAGCCCATAC | 269 |
| INF-alpha4 | NM_010504 | AGGACAGGAAGGATTTTGA | GCTGCTGATGGAGGTCATT | 186 |
| IFN-beta** | NM_010510 | CACAGCCCTCTCCATCAACT | GCATCTTCTCCGTCATCTCC | 152 |
| TNF-alpha* | NM_013693 | CCCTTTACTCTGACCCCTTT | AACCTGACCACTCTCCCTTT | 260 |
| SFV E1*** | X74491 | CGCATCACCTTCTTTTG TG | CCAGACCACCCGAGATTTT | 173 |
| Beta-actin | NM_007393 | CGTTGACATCCGTAAAGACC | CTGGAAGGTGGACAGTGAG | 202 |

Table 4A, sequences for primers used in QPCR reactions. Primers are referred to as the “inner” primers.

| Gene | Genbank | Outer1 | Outer2 | PCR product size |
|-------------|--------------|-------------------------|------------------------|------------------|
| | | 5' TO 3' | 5' TO 3' | (bp) |
| TLR1 | NM_030682 | CCTTTGATGCCCTGCCTAT | ATGCCAAACTATCTGGAGGA | 436 |
| TLR2 | NM_011905 | GCTGAAAACACTCCCAGATG | GCCAGTCAACCAGGATTTG | 211 |
| TLR3 | NM_126166 | CCAACCTCAGAAGATTACCACCT | GGGATGTGAAGCAAGTGAAG | 849 |
| TLR4 | NM_021297 | ACAGCAGAGGAGAAAGCATC | TCCCATTCAGGTTAGGTGTT | 393 |
| TLR5 | NM_016928 | GCCTGTAACCTTCTCCCAAGG | ATTCTCATCGTGGTGGTGGT | 535 |
| TLR6 | NM_011604 | TCATCTTGCTGGAACCCATT | CAGGTAGGAACTGAAAACCACA | 262 |
| TLR7 | NM_133211 | CTGAGGTTTTTGAGGGTATGC | CTGTATGCTCTGGGAAAGGTT | 844 |
| TLR8 | NM_133212 | CTGTTTTACTGGGATGTTTGG | TTTCTTGCTCTGGTTTATGCTC | 269 |
| TLR9 | NM_031178 | GGTTCCAAGGTCTGGTCAAC | GCATCATCTGCCTCTTCAGG | 423 |
| TLR13 | NM_205820 | AATGGCACAAAACGGAGAAAG | AGAAAAGTGGCTGCTGGTGA | 432 |
| CathepsinD* | NM_009983 | TAGTGTGCTGGACCCCTTG | CCCCCAGGTTTCATAGTTT | 392 |
| GAPDH* | NM_001001303 | TGTCTCCTGCGACTTCAA | TGCAGCGAATCTTATTGATG | 341 |
| GFAP* | NM_010277 | CCAGTTACCAGGAGGCATT | TCACATCACCACGTCCTTG | 338 |
| IL-6 | NM_031168 | TCCAGAAACCGCTATGAAGT | CTCCAGAAGACCAGAGGAAA | 370 |
| IL-1alpha* | NM_010554 | TCCTGACTTGTTTGAAGACC | TAGTTTGGTTGAGGGAATCA | 425 |
| IL-1beta* | NM_008361 | GCAACGACAAAATACCTGTG | GCCGAGGACTAAGGAGTGT | 412 |
| INF-alpha4 | NM_010504 | TGGCTAGGCTCTGTGCTTTC | GGAGGTTCTGCATCACAC | 385 |
| TNF-alpha* | NM_013693 | GTGAAGGGAATGGGTGTTT | TGGAAAGGTCTGAAGGTAGG | 370 |
| Beta-actin | NM_007393 | GTACTCCTGTTGCTGATCC | GTACTCCTGCTGCTGATCC | 272 |

Table 4B, sequences for primers used to generate DNA templates standards. Primers are referred to as the “outer” primers as the PCR product encompasses the sequence to which the “inner” primers bind. NB There are no outer primers for SFV E1 of IFN- β as a plasmid containing the gene sequences was used as a DNA standard for these QPCRs.

- * primers designed by Alan Brown
- ** primers designed by Lucy Breakwell
- *** primers designed by Rennos Fragkoudis