**Table S1 Primer sequences for qPCR analysis**

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| **Target genes** | **Primer sequences (5’-3’)** | **efficiency** |
| *KI-67* | CTCGCAGTGATGTAGAGACTGATACTGGCCTTGATTATCTCCCCCTCG | 91.2% |
| *IL-8* | ATTACTGAAGCAATGAGTCTTAGAGGTCTTGGTTTCCTTCAGGGTGGC | 94.0% |
| *HLA-DPA1* | TTATGAACTCAGTGTTAGTGAAATGGCGATGGAGGGTAGAAGCCAGTCAC | 98.9% |
| *MHCII-b* | CATCGTTGTTACAGCAATATAGGGCTGATTGGTTGAGGGTAGAAGTCGT | 90.7% |
| *CCL8* | CCTTTTTTCTGTAACAATTTGGACTGTTGATTCCACCCCCTTCCATTC | 90.3% |
| *CXL11* | CTTGCCTGCCTGATCGCTGGCATTTCCGTCCTGCACCAT | 94.0% |
| *ARSA* | TGTTTTACTACCCCATTGACCCAGGGTCTGCCTCCAGGTTAAATAG | 94.4% |
| *LGMN* | GCTGAAAAGCGGTCCAAATGATAATGTCAACAGGCAGAGGCTTC | 94.1% |
| *NS80* | GTCACTGCCCATTGCTTCGC GCGGCACGGGATCTGTTGTA | 96.3% |
| *VP7* | CGCACCTGTGACTTGGACGAAGCGAGTCAGCACCTTGTCG | 98.7% |
| *β-actin* | AGCCATCCTTCTTGGGTATGGGTGGGGCGATGATCTTGAT | 99.2% |