

Supplementary Figure 1.

Ovine and bovine MAIT cell TCR α chain nucleotide sequences and location of primers.

In red: primers used for cloning and sequencing of bovine and ovine MAIT TCR; in blue: primers used in MAIT V region and α chain constant region qPCR; in pink: qPCR probes; in grey: CDR regions.

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    primer boovUntr3f
ovine  AGCGCCTGGTTTGTGGTGTCTGCAGCAGATGTGGAATTTTTTCCTTCTTTGTGTTTCCC
ovine  TGACAGTGAGAGGCTCTGCAGGAAAAGGCGTTGAGCAGCCCACTGAGTTGACGGTTATGG
bovine  GCTCTGCAGGAAAAGGCGTTAAGCAGCCCACTGAGTTGATGGCTATAG
        primer "I"

                                CDR1
ovine  AAGGAGCCTCTGCCAGGTCAACTGCACCTACCAGACATCTGGGTTCAATGGACTGTTCT
bovine  AAGGAGCCTCTGCCAGGTTAACTGCACCTACCAGACATCTGGATTCAATGGACTGTTCT

                                CDR2
ovine  GGTACCAGCGACATGATGGTGGAGCACCTGTGTTTCTCTTACAATGTTTTGGATGGTT
bovine  GGTACCAGCAACAGATGGTGGAGCACCTGTGTTTCTCTTACAATGTTCTGGATGGTT

                                primer boAV19
ovine  TGGAGACGAGAGGTCATTTTTCTTCATTCCCTTAGACGCTCTGATGCACACAGTTACCTCC
bovine  TGGAGACGAGAGGTCATTTTTCTTCATTCCCTTAGACGCTCTGATGCACACAGTTACCTCC

                                probe boAV19                                CDR3
ovine  TTCTGAAGGAAGTCCACATGAAAGACTTTGCCTCTTACCTCTGTGCTGTGATGGATGGCA
bovine  TTCTGAAGGAAGTCCACATGAAAGACTTTGCCTCTTACCTCTGTGTTGTGATGGATGGCA

primers boAJ33/ovAJ33
ovine  ACTATCGGTTGATCTGGGGCTCTGGGACCAAGCTAATTATAAAGCCAGAAATCAAGGACC
bovine  ACTATCAGTGGATCTGGGGCTCTGGGACCAACTAATTATAAAGCCAGAAGTCAAGGACC

ovine  CCAACCCCACTGTGTACCAGCTGAGAAGCCCCGAATCCAGCAACACTTCTGTCTGCCTGT
bovine  CCAACCCCACTGTGTACCAGCTGAGAAGCCCCCAATCCAGTGACACTTCTGTCTGCCTAT

ovine  TCACCGATTTTGACTCAAATCAAATCAACTGACACAAATTTGGGGGTACGAGTGGAAACA
bovine  TCACCGATTTTGATTCAAATCAAGTCAACATGGAAAAAATCATGGGGTCCGAGGGGAGCA

ovine  TGGTACACAAAACAGACAGCACCGTGTCAACATGGAGATCCTGGGGTCCAAGAGCAACG
bovine  CGGTGCACAAAACAAAACAGCACCGTGTCAACATGGAGATCCTGGGATCCAAGAGCAACG

                                primer NGconst-f                                probe NGconst
ovine  GGATAGTGACTTGGGGAAACACCAGCGATTCTGGATGCACAAAACACCTTCAACGAGAACA
bovine  GGATAGTGACTTGGGGAAACACCAGCGATGCTGGATGCGAATAACACCTTCAACGAGACCA
        primer alpha

                                primer NGconst-r
ovine  TTGAGTTTGTGACAACCTTCGGAATCCCCTGTGATGCCAAGCTGGTAGAGAAAAGCTTTG
bovine  TTCCCTTCGCCTCCAGCTTGGAAATCTCCTGTAATGCAACCTGGTAGAGAAAAGCTTTG
        probe const alpha                                primer "K"

ovine  AAAACAGATGTGAACCTAAACTCCCAAACCTGTCAGTGACTGTGTTCCGCATCCTCCTCC

                                primer CorovC3r
ovine  TGAAGGTGGTCGGGTTTAACCT
    
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