

Diversity of the bovine genes *IRAK1* and *IRAK4* in the Toll-like receptor signaling pathway

LADISLAV TICHÝ^{1,2*}, KAREL NOVÁK¹, JITKA KYSELOVÁ¹, MICHAELA PŘIBÁŇOVÁ³,
JAN CALTA², LUBOŠ VOSTRÝ^{1,2}

¹*Institute of Animal Science, Prague-Uhřetěves, Czech Republic*

²*Department of Genetics and Breeding, Faculty of Agrobiological Sciences, Czech University of Life Sciences Prague, Prague-Suchbátar, Czech Republic*

³*Czech Moravian Breeders' Corporation, Hradištka, Czech Republic*

*Corresponding author: tichy.ladislav@vuzv.cz

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Electronic Supplementary Material (ESM)

[Table S1](#). Primers for amplification of the *IRAK1* gene

[Table S2](#). Primers for amplification of the *IRAK4* gene

Table S1. Primers for amplification of the *IRAK1* gene

Primer name	Primer Sequence 5'→3'	Start	End
IK1_1F	GCGGGCGGTTTCAGCTCCGAAAC	37 213 533	37 215 048
IK1_1R	GGAGCATCATTGAGGGCATCAAGGC		
IK1_2F	GAGGGTAGGGAACCGCAGGGCA	37 214 910	37 216 449
IK1_2R	GGGCAGGTCTGCTCCTCCGTGG		
IK1_3F	GAGCCCAGGCAACACACCAGC	37 216 342	37 217 869
IK1_3R	CCTGGCCTCAGCGACTGGACATCC		
IK1_4F	GTCCCCGCCTCACCTCTTGACA	37 217 760	37 219 271
IK1_4R	GCCATCTCCAGCCCCCTCATCTACC		
IK1_5F	TGCCTAGGGTGGCCCAGGGGACCA	37 219 160	37 219 904
IK1_5R	CCGCCCTGATCGTCCGCGACCAG		

Chromosome start and end position of amplicons according to the reference sequence ARS-UCD1.2 RefSeq NC_037357.1

<https://doi.org/10.17221/137/2022-CJAS>Table S2. Primers for amplification of the *IRAK4* gene

Primer name	Primer Sequence 5'→3'	Start	End
IK4-1F	GCTACTGAGGGTCTCACAAGGC	36 680 743	36 681 904
IK4-1R	GTGAAGGAGGTGGGGTCTGTC		
IK4-2F	CCACTGCATTTACCATGCTGCC	36 681 660	36 683 198
IK4-2R	CCCCTCTACTGTCTGCCCCTGTG		
IK4-3F	CACACACACACACAGAGGGGAAG	36 683 143	36 684 674
IK4-3R	CCTAAGGCCCACTTGACTTCAC		
IK4-4F	GGTGTGATCACTCACCTAGAGCCA	36 684 616	36 684 639
IK4-4R	ATGGACTGCAGCACTCCAGGC		
IK4-5F	GGATGGCATCACCGACGTGAT	36 685 722	36 687 014
IK4-5R	GGAGTGGGGTGGGAGTGGTTG		
IK4-6F	ACCACCTTTCTTCCCTGACACC	36 686 700	36 688 391
IK4-6R	GTCCCCATGCCAGCACTGAG		
IK4-7F	GAAGACCCGCAACGTGTTACAG	36 688 341	36 689 874
IK4-7R	GGACTGCAAGGAGGTCCAACC		
IK4-8F	CCTCCCAGCATCAGGGTCTTTTC	36 689 748	36 691 070
IK4-8R	CCTGGAACGTGAAGTCAAGTGGG		
IK4-9F	AGTCCTGTGGCCACTGCTGAG	36 690 926	36 692 525
IK4-9R	TGGATGGAGGAGCCTGGTAGG		
IK4-10F	CAGTCGTGTCCAACCTTGTGTGACC	36 692 324	36 694 080
IK4-10R	CCCAGGGCTGATCTCCTTCAG		
IK4-11F	GGACTGTGAAGAAGGATGAGCCCC	36 693 953	36 695 374
IK4-11R	CTGCAGTGCAGGAGACCCAGG		
IK4-12F	GAATACTGGAGTGGATTGCCATGCCC	36 695 294	36 696 865
IK4-12R	ATGAAGTGCAGCACACCAGGC		
IK4-13F	GGCATCTGGTCCCATCACTTC	36 696 252	36 698 498
IK4-13R	GTGTCCAACCTCCTTGCGACCC		
IK4-14F	TGGGTGGGAAGATCTCCTGG	36 698 392	36 699 795
IK4-14R	CTTCCACCTGATGGGACTCT		
IK4-15F	GGCAACCAGACACGAACCCAC	36 699 733	36 701 155
IK4-15R	TCCCTTCCTTTCCCCCATCCC		
IK4-16F	GGAGCCCAGTCTGGCACTCTG	36 701 117	36 703 010
IK4-16R	CGTGCGCTGCCTCAGTCTTGG		
IK4-17F	CCACCACGGAAGTCCCTTCTCCC	36 702 183	36 703 922
IK4-17R	GCCACTGGCCTGCTGAGAACG		
IK4-18F	CACTTGCCTTTGCTCATCTCCCTG	36 703 822	36 705 499
IK4-18R	GCCAGCTTTCAGATGGTGC		
IK4-19F	CCAGGCTTCTCTGTCCACAGG	36 705 499	36 707 033
IK4-19R	GCTAGTGGTAAAGGACCCACC		
IK4-20F	CCATTCCTTCTCCAGGGGATCTTC	36 706 942	36 708 760
IK4-20R	CCCTTCGTAGTACCTGGGTCC		

Chromosome start and end position of amplicons according to the reference sequence ARS-UCD1.2 RefSeq NC_037332.1