

1 **Supplementary Material**

2 **Table 1.** Oligonucleotide sequences were used in amplification.

<b>Primer Name</b>	<b>Primer Sequence</b>
TLR2_cow_F1	TCGTTTCCCTTACAGACACGCTTCA
TLR2_cow_R1.1.1	GATCCTAATTCCTGACCGACGTACC
TLR2_cow_F1.1.2	CCAGGTACGTCGGTCAGGAATTAGG
TLR2_cow_R1.1.2	TCATTTATAGAGGTTCAAAGGGCGTG
TLR2_cow_F1.1.3	GGCTTCACGCCCTTTGAACCTC
TLR2_cow_R1.1	AAAACAATGGAATAATAGCCCCAAAGG
TLR2_cow_F1.2	AGGTCTTTAATGTCTGGAAATGTCTTAGC
TLR2_cow_R1	GAAGACAGCATCATCCTAGGCCTCAG
TLR2_cow_F2	TCTGTGGGTTTCGTGTCTATTGTCTGC
TLR2_cow_R2.1-2	TAAACTTTAGTGTTAAGGCAACCTCGC
TLR2_cow_F2.2	TCTCTTACTTTTTTCGATGATCCAGTGG
TLR2_cow_R2	GACATAGGTGATCTCATTGTTGGACAGG
TLR2_cow_F3	GTGGTCTACCTGTGTTAGTGTTGTTGG
TLR2_cow_R3.1	TGTAAAGGACAGGAAGTCACAGGAGC
TLR2_cow_F3.2	TGCCTCCTTCTTACCCGTGTTATCAG
TLR2_cow_R3	TCTCTCGTTTCCTCTTCTGAACCTGC
TLR4_cow_F1.1-2	AAACGAAAGCAGAAAGCCACAGTTCC
TLR4_cow_R1.1.1	ACATAGCCCAGATGTGGAACAATAGG
TLR4_cow_F1.1.2	CCACTTAGGAATTACATGGGAACCTTAGG
TLR4_cow_R1.1	GCAGGAGAGACATAGAGAGGAGGACAG
TLR4_cow_F1.2	ATGGACTTGACTATTGCTTTGGAAACC
TLR4_cow_R1.2.1	GGACATTAAAGGCAAATACAGGGAGTG
TLR4_cow_F1.2.2	TTGCCTCATATAAAGCTCCTCACTCC
TLR4_cow_R1	GAAGACATTTGCTATCAAGTGCTGTGG
TLR4_cow_F2	CTCTAGATGGGGAGCTGATGGGAGTC
TLR4_cow_R2.1	GAGACCTGAAGAAGGGAGATAGCTTGC
TLR4_cow_F2.2	CAGAAAGCCTGATTCATGAGGTCTCC
TLR4_cow_R2	TAGAGAAGCAGAGGATGAAGGTGAAGG
TLR4_cow_F3	ATATTCACATGGCTTGTTGACAACAGG
TLR4_cow_R3.1	GTCAGTTCTGTGAAGATGTCAGGGAGC
TLR4_cow_F3.2	TTCCATGGCATCTTTACTGGCTTAGTC
TLR4_cow_R3	GCCTTCAGGACAGTCATAACGTACTAGG
TLR6_cow_F1	TTAAGGGTTTCCAAACACTGTCCAGG
TLR6_cow_R1.1	AGTTCATAATGGCACCATTCGCTCTG
TLR6_cow_F1.2	GCATTGTGGAAAATATCATCAACTGC
TLR6_cow_R1	ACTGAGCTATCTGTTTGTGATGTGAAGC
TLR6_cow_F2	GCAGTTTTTGTGAGCAGATTTCTGACC
TLR6_cow_R2.1	AATTTCCCATCCATTTCTAGTTTGTGAG
TLR6_cow_F2.2-2	TTATAACCAGATTAGGCGCTCTAAAACC
TLR6_cow_R2.2-2	CACCAGTTAGCAGTGGACAAGCACAC
TLR6_cow_F3	AATCCACCTAGACTCAAGCCATCCAG
TLR6_cow_R3.1	AGAAACCCGTGAGATGTTTGTGATCC

TLR6_cow_F3.2	TTTAAACGAACCTCATCTCAGGCACG
TLR6_cow_R3	TCTTCACATGTCCCCTCAGATCTCTC
TLR6_cow_F4	GGGCATCTCTGTGAAAGGGTAAGTCC
TLR6_cow_R4.1	AGCCAAATGTGGAAACAAAAGTGGT
TLR6_cow_F4.2	TTTCTAGACCTACTCATGTTGCAAATGG
TLR6_cow_R4.2	TACAGAAATGGGCTAATTTGGGATGG
TLR6_cow_F4.3-2	TCTCCATTTCAAATGTGAAACTACAAGG
TLR6_cow_R4.3-2	TCAGTCCTAGCAGAGAAATAGATGAATCC
TLR2_H326QF	AGGCATCCTTACAGGCTGAG
TLR2_H326QR	CGGAAGTTGCATATTCCACAG

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4 **Table 2.** PCR conditions and chemicals.

<b>Chemical</b>	<b>Amount</b>	<b>Company</b>
Buffer 5X contains MgCl <sub>2</sub>	1X	Thermo Scientific
dNTP	200nmol	Thermo Scientific
Polymerase	1U	Thermo Scientific (Phire II)
DMSO	5%	Thermo Scientific
Forward primer	5pmol	
Reverse primer	5pmol	
DNA	~50ng	
Total	Add water to 25µl	

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7 **Table 3.** Determined haplotypes in TLR2, TLR4 and TLR6 gene regions.

	<b>TLR2</b>	<b>TLR4</b>	<b>TLR6</b>		<b>TLR2</b>	<b>TLR4</b>	<b>TLR6</b>
<b>AB1</b>	1-2	1-1	7-95	<b>SAR1</b>	1-2	1-1	5-18
<b>AB2</b>	1-2	2-3	5-21	<b>SAR2</b>	2-28	1-18	11-43
<b>AB4</b>	7-23	1-7	26-8	<b>SAR3</b>	1-7	1-7	28-92
<b>AB5</b>	2-28	1-7	40-14	<b>SAR4</b>	7-28	3-7	36-85
<b>AB6</b>	2-23	1-7	52-74	<b>SAR5</b>	1-2	1-3	69-75
<b>AB7</b>	1-2	1-7	11-51	<b>SAR6</b>	7-24	3-5	56-64
<b>AB8</b>	2-28	22-24	45-83	<b>SAR7</b>	17-33	1-3	61-69
<b>AB9</b>	6-24	1-9	35-7	<b>SAR8</b>	2-22	3-7	63-91
<b>AB10</b>	1-2	3-7	11-43	<b>SAR9</b>	9-22	3-7	88-98
<b>AB11</b>	2-25	3-7	39-81	<b>SAR10</b>	17-36	10-12	76-86
<b>AB12</b>	2-4	7-9	49-81	<b>SAR11</b>	2-24	7-9	46-92
<b>AB13</b>	1-2	3-7	11-51	<b>SAR12</b>	1-7	11-15	65-97
<b>AB14</b>	2-24	1-1	50-82	<b>SAR14</b>	2-26	1-1	27-79
<b>AB15</b>	2-28	1-3	48-82	<b>SAR15</b>	8-21	1-1	59-69
<b>AB16</b>	1-2	1-2	12-42	<b>SAR16</b>	1-7	5-9	66-16
<b>AB17</b>	2-23	1-1	11-51	<b>SAR17</b>	19-33	1-1	20-73
<b>AB18</b>	1-2	1-7	21-38	<b>SAR18</b>	9-26	1-7	24-93
<b>AB19</b>	2-3	1-9	2-32	<b>SAR19</b>	2-2	8-19	25-67
<b>AB20</b>	1-2	7-9	31-9	<b>SAR20</b>	2-3	1-3	10-17
<b>AB21</b>	2-23	1-1	34-71	<b>SAR21</b>	2-29	1-7	37-96
<b>EAR1</b>	12-31	7-9	5-19	<b>TG1</b>	1-7	1-1	3-3
<b>EAR2</b>	1-7	3-7	56-73	<b>TG2</b>	18-34	3-7	6-22
<b>EAR3</b>	6-22	1-9	11-43	<b>TG3</b>	15-3	1-2	8-1
<b>EAR4</b>	2-4	1-2	11-44	<b>TG4</b>	14-3	1-21	11-41
<b>EAR5</b>	2-4	3-7	5-54	<b>TG5</b>	15-3	1-1	23-9
<b>EAR6</b>	6-26	17-25	11-43	<b>TG6</b>	1-2	7-9	11-43
<b>EAR7</b>	17-33	7-9	72-29	<b>TG7</b>	11-7	7-9	4-34
<b>EAR8</b>	4-7	7-9	4-62	<b>TG8</b>	1-7	1-1	5-15
<b>EAR9</b>	16-35	7-9	11-43	<b>TG9</b>	13-32	1-9	11-43
<b>EAR10</b>	2-27	1-7	11-43	<b>TG10</b>	2-4	4-13	11-94
<b>EAR11</b>	6-26	1-2	33-84	<b>HOL4</b>	1-2	1-7	11-43
<b>EAR12</b>	4-7	7-9	5-55	<b>HOL45</b>	1-2	1-1	11-47
<b>EAR13</b>	12-35	6-17	78-87	<b>HOL80</b>	1-2	16-23	13-48
<b>EAR14</b>	5-1	2-3	5-54	<b>HOL97</b>	1-2	1-1	11-43
<b>EAR15</b>	6-22	6-17	11-43	<b>HOL99</b>	1-2	7-9	9-58
<b>EAR16</b>	4-7	1-9	11-44	<b>HOL115</b>	1-1	1-1	4-6
<b>EAR17</b>	1-2	1-7	5-53	<b>HOL150</b>	1-1	14-23	11-43
<b>EAR18</b>	1-2	1-9	68-75	<b>HOL157</b>	1-6	1-1	9-57
<b>EAR19</b>	1-7	1-1	9-57	<b>HOL160</b>	1-1	1-3	11-43
<b>EAR20</b>	6-24	7-9	77-89	<b>HOL161</b>	<i>Excluded</i>		