**Supplementary information**

**Table S1** RT-PCR primers of genes related to TLR4 pathway.

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| Gene Name | Sequence (5' to 3') | Product size | Accession number |
| TLR4 | GTCAAGGACCAGAGGCA | 114 bp | NM001285574.1 |
| GCTCATCTGACAAGTGGC |
| MyD88 | TGCCTTCATCTGCTACT | 186 bp | JQ308783.1 |
| GAGACAACCACCACCAT |
| TRAF6 | CCGTGCACATTCAGTGCTTT | 86 bp | JQ308791.1 |
| TGCGACTGGGTGTTCTCTTG |
| IFN-β | GGAAGATGCCGTATTGGT | 157 bp | JX458085.1 |
| TTCCTTCTGGATTGGCTC |
| TNF-α | CCACTGACGGGCTTTACCT | 141 bp | AY304502.1 |
| TGATGGCAGAGAGGATGTTG |
| IL-12B | ATTGAGGTCGTGATGGAAGC | 190 bp | NM001285700.1 |
| GGGAGAAGTAGGAATGTGGG |
| NLRP3 | GTCCGTTTCCTCTTTGG | 148 bp | XM005682796.3 |
| TGGGCTCAGTCTGTAGTGT |
| IRF3 | AAGTGTTGCGTTTAGCGG | 156 bp | KU182749.1 |
| GCACAATGTCTTCCTGGGT |
| IL-1β | AAGGCTCTCCACCTCCTCTC | 114 bp | DQ837160.1 |
| TTGTCCCTGATACCCAAGG |
| TBK1 | AGACATACGCACCAAGC | 105 bp | KU182750.1 |
| TCGGCAAGTAATCCACC |
| NF-κB | CAGCTCACAGATCGGGAAAAG | 115 bp | JQ342088.1 |
| CGGTGCTGTCTGGAAGGAA |
| TIRAP | GGCAAGATGGCTGACTGG | 165 bp | MN871405 |
| AGGCGACGGTGTAGGGA |
| IL-18 | AAATGGCGACCTGGAAT | 97 bp | NM001285544.1 |
| TCCCTGGCTAATGAAGA |
| AP-1 | CAGACGGTGCCCGAGAT | 228 bp | JQ937364.1 |
| CACCTGTTCCCTGAGCATA |
| MAPK1 | AGGGTTCCTGACCGAGTA | 105 bp | NM001314202.1 |
| CAGCCCACGGACCAAAT |
| IRAK1 | GGGCAGTGATGAGGAACA | 154 bp | MN871406 |
| GCACAGTAGCCAGCAAAGT |
| GAPDH | TTCCACGGCACAGTCAAG | 116 bp | AJ431207.1 |
| TACTCAGCACCAGCATCACC |