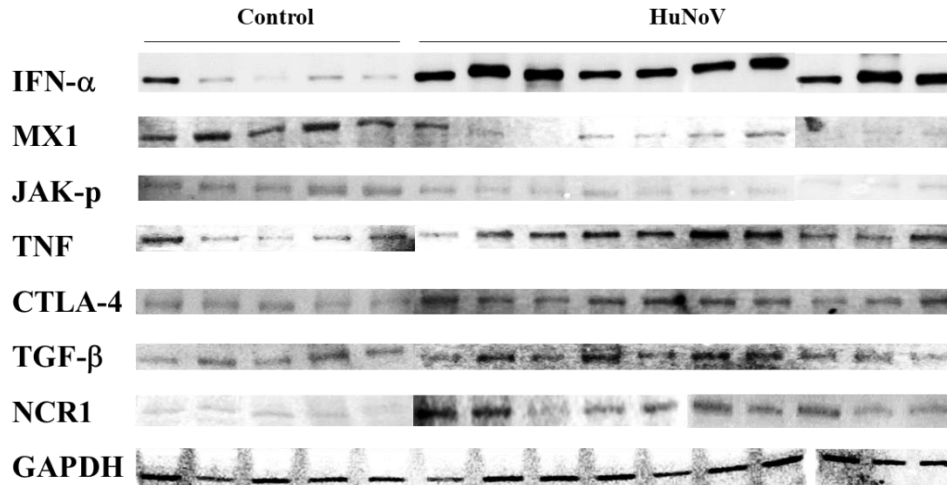


## Supplemental Material

**Figure S1.** Western blot analysis of major proteins associated with immune response in experimental pigs infected with HuNoV and uninfected controls. The major proteins were selected via pathway analysis as IFN- $\alpha$ , MX1, phosphorylated JAK1(Jak-p), TNF, CTLA4, TGF- $\beta$ , NCR1, and GAPDH.



**Table S1.** List of primer sets and probe used to detect HuNoV RNA

| Region    | Primers | Sequence (5'-3')  | Polarity | Position <sup>a</sup> |
|-----------|---------|---|----------|-----------------------|
|           | GII-F1M | 5'-GGG AGG GCG ATC GCA ATC T-3'   | Forward  | 5049–5067             |
|           | GII-R1M | 5'-CCR CCI GCA TRI CCR TTR TAC AT-3'  | Reverse  | 5367–5389             |
|           | GII-F3M | 5'-TTG TGA ATG AAG ATG GCG TCG ART-3'   | Forward  | 5079-5102             |
| ORF1-ORF2 | Probe   | 5'-TTG TGA ATG AAG ATG GCG TCG AGT<br>GAC GCC ACC CCA TCT AAT GAT GGT GCC<br>GCC GGC CTC GTC CCA GAG ATC AAC AAT<br>GAG GCA ATG GCG CTA GAG CCA GTG GCG<br>GGT GCA GCG ATA GCG GCA CCC CTC ACT<br>GGC CAG CAA AAT ATA ATT GAT CCC TGG<br>ATT ATG AAT AAT TTT GTG CAA GCA CCT<br>GGT GGT GAG TTC ACA GTG TCT CCT AGG<br>AAT TCC CCT GGT GAA GTG CTC CTC AAT<br>TTG GAA TTG GGC CCA GAA ATA AAC CCC<br>TAT CTG GCC CAT CTT GCT AGA ATG TAC<br>AAT GGC TAT GCC GGT GG-3' | Forward  | 5079-5389             |

<sup>a</sup> Positions in a reference strain (GenBank accession number X86557)

**Table S2.** List of genes and primer sets used to evaluate mRNA sequencing data by qRT-PCR

| Gene name    | Forward Primer                                   | Reverse Primer                | Accession No. | Amplicon size (bp) |
|--------------|--|-------------------------------|---------------|--------------------|
| CD40         | 5'-AACAGCGCCTGTGAAAGTTGAACAGCGCCTGTGAAAGTTG -3'  | 5'- GAAACCTCTGTGCCATCTG -3'   | NM_214194     | 80                 |
| CD8A         | 5'-CGAGGAGGACCAAGGCTACTCGAGGAGGACCAAGGCTACT -3'  | 5'- ACGGACATGAAGTTGCTGAA -3'  | NM_001001907  | 75                 |
| CTLA4        | 5'-GAAGTCTGTGCCGCGACATAGAAGTCTGTGCCGCGACATA -3'  | 5'- GGAGGTGCCAGTGCATGTAG -3'  | NM_214149     | 75                 |
| FYN          | 5'-GTGCAAAGTTCCCATTAAGGTGCAAAGTTCCCATTAAG -3'    | 5'- TTCCAAAAGACCACACATCA -3'  | NM_001080206  | 87                 |
| GAPDH        | 5'-GATGCCCCCATGTTTGTGATGATGCCCCCATGTTTGTGAT -3'  | 5'- CAGGAGGCATTGCTGACGAT -3'  | NM_001206359  | 77                 |
| ICOS         | 5'-CACTAGTGACAGCGCTCTTACTAGTGACAGCGCTCTT -3'     | 5'- GCACGCAAAGGCATCTAAAC -3'  | NM_001044546  | 78                 |
| IFI30        | 5'-CTCCACCTGTCAACGTGAACCTCCACCTGTCAACGTGAAC -3'  | 5'- GGAAGAGCTCTCGGACTAG -3'   | NM_001131046  | 79                 |
| IFNA1        | 5'-CAGACCTTCCAGCTCTTCAGCAGACCTTCCAGCTCTTCAG -3'  | 5'- GATCCAGTCCAGTGCAGAAC -3'  | NM_214393     | 85                 |
| IFN-ALPHA-17 | 5'-CAGACCTTCCAGCTCTTCAGCAGACCTTCCAGCTCTTCAG -3'  | 5'- GATCCAGTCCAGTGCAGAAC -3'  | NM_001195375  | 85                 |
| IFNGR1       | 5'-CACCATTGTGCTTGGGATTCACCATTGTGCTTGGGATT -3'    | 5'- GTTGCCTCCTCGTAAGTCTT -3'  | NM_001177907  | 81                 |
| IL10         | 5'-CCAAGCCTGTGCAGAGATGACCAAGCCTTGTGCAGAGATGA -3' | 5'- CCTTGATATCCTCCCATCA -3'   | NM_214041     | 80                 |
| IL13         | 5'-GCGCCCTCTGTTCTCACAAGGCGCCCTCTGTTCTCACAAG -3'  | 5'- CTGGGCCACTTCAATTTTGG -3'  | NM_213803     | 80                 |
| JAK1         | 5'-GGGCAGTACGATTTGGTCAAGGGCAGTACGATTTGGTCAA -3'  | 5'- GCCCAGACACTCGTTCTCAA -3'  | NM_214114     | 90                 |
| NCRI         | 5'-GTCATGGAGGGACATACAGGCTCATGGAGGGACATACAG -3'   | 5'- CTTGACCAGGAGCTTACA -3'    | NM_001123143  | 88                 |
| NFATC1       | 5'-TGCAGGACTCCAAGGTCGTTTGCAGGACTCCAAGGTCGTT -3'  | 5'- CACAGGTCTCCGTCGGTTTT -3'  | NM_214161     | 88                 |
| NFATC2       | 5'-AGCAGAATGCCACAAACCAAAGCAGAATGCCACAAACCAA -3'  | 5'- CACGCCCGAGGGTAATACTT -3'  | NM_001113452  | 80                 |
| OAS1         | 5'-AAACCCAACCCGAAATCTAAAACCCAACCCGAAATCTA -3'    | 5'- GGTGGAAAACCTCGCCCTCTT -3' | NM_214303     | 75                 |
| SLA-2        | 5'-AGCCATGGTACTGGAGTTGAGCCATGGTACTGGAGTTG -3'    | 5'- TGCCTGCAGCCTGAGTGTAG -3'  | NM_001113702  | 79                 |
| SLA-3        | 5'-GGTGGTAAAAAGGAGGGAGCTAGAAAAAGGAGGGAGCTA -3'   | 5'- CTTGGTGAGGGACACATCAG -3'  | NM_001097427  | 75                 |
| SLA-DOA      | 5'-CGGGTCAGTTCACCTACGATCGGGTCAGTTCACCTACGAT -3'  | 5'- ACAGCCTCCCTCTTCTTCAG -3'  | NM_00118514   | 70                 |
| SLA-DOB      | 5'-CCACTGGCCTCATCAGGAATCCACTGGCCTCATCAGGAAT -3'  | 5'- CCCCAAGCTCAGGAGTCATT -3'  | NM_001114064  | 75                 |

|       |   |                              |              |    |
|-------|---|------------------------------|--------------|----|
| SOCS1 | 5'-CGTCCTCCGCGATTACTTGACGTCCTCCGCGATTACTTGA -3'     | 5'- ATAAGGCGCCCCAGTTAATG -3' | NM_001204768 | 88 |
| TGFB1 | 5'-GTGCGGCAGCTCTACATTGAGTGCGGCAGCTCTACATTGA -3'     | 5'- GGTAGCCCTTGGGTCATGA -3'  | NM_214015    | 70 |
| TNF   | 5'-CCCAGAAGGAAGAGTTTCCACCCAGAAGGAAGAGTTTCCA -<br>3' | 5'- CGGGCTTATCTGAGGTTTGA -3' | NM_214022    | 90 |

**Table S3.** List of genes used for mRNA sequencing data analysis

| Gene symbol | Fold change | Average of read count |        | product  | transcript_id  | IPA-mapping symbol |
|-------------|-------------|-----------------------|--------|--|----------------|--------------------|
|             |             | Control               | HuNoV  |  |                |                    |
| BATF        | 2.525       | 33                    | 79.4   | basic leucine zipper ATF-like transcription factor | NM_001244571.1 | BATF               |
| CCR7        | 8.666       | 17.4                  | 166    | C-C motif chemokine receptor 7                     | NM_001001532.3 | CCR7               |
| CD40        | 2.408       | 210                   | 504.4  | CD40 molecule                                      | NM_214194.1    | CD40               |
| CD40LG      | 1.695       | 40.2                  | 68.3   | CD40 ligand  | NM_214126.1    | CD40LG             |
| CD46        | -1.797      | 7673.8                | 4200   | CD46 molecule                                      | XM_021102197.1 | CD46               |
| CD69        | 1.973       | 27.2                  | 50.6   | CD69 molecule                                      | NM_214091.2    | CD69               |
| CD8A        | 1.643       | 138.8                 | 217.2  | CD8a molecule                                      | XM_005662394.3 | CD8A               |
| CD8B        | 7.181       | 3.4                   | 33.1   | CD8b molecule                                      | NM_001348770.1 | CD8B               |
| CSF2        | 2.433       | 18.2                  | 42.9   | colony stimulating factor 2                        | NM_214118.2    | CSF2               |
| CTLA4       | 2.209       | 4.4                   | 10.7   | cytotoxic T-lymphocyte associated protein 4        | NM_214149.1    | CTLA4              |
| CXCL12      | 2.314       | 1768.8                | 3742.9 | C-X-C motif chemokine ligand 12                    | XM_005671244.3 | CXCL12             |
| CXCR4       | 2.564       | 137.2                 | 327.7  | C-X-C motif chemokine receptor 4                   | NM_213773.1    | CXCR4              |
| EOMES       | 1.669       | 28.2                  | 42.6   | eomesodermin                                       | XM_003132081.4 | EOMES              |
| FYN         | 1.826       | 687.2                 | 1195.9 | FYN proto-oncogene                                 | XM_021084366.1 | FYN                |
| GATA3       | 1.606       | 184.4                 | 281.5  | GATA binding protein 3                             | XM_021064071.1 | GATA3              |
| ICOS        | 2.539       | 52.2                  | 129.5  | inducible T-cell co-stimulator                     | NM_001044546.2 | ICOS               |
| ICOSLG      | 1.858       | 327.4                 | 583.4  | inducible T-cell co-stimulator ligand              | XM_005657167.3 | ICOSLG             |
| IFI30       | 1.600       | 2688.6                | 3872.6 | IFI30, lysosomal thiol reductase                   | NM_001131046.1 | IFI30              |

Table S3. Continued

| Gene symbol  | Fold change | Average of read count |        | product                                      | transcript_id  | IPA-mapping symbol |
|--------------|-------------|-----------------------|--------|--|----------------|--------------------|
|              |             | Control               | HuNoV  |  |                |                    |
| IFN-ALPHA-1  | 4.868       | 1.4                   | 11     | interferon-alpha-1                           | NM_001166311.1 | IFNA1              |
| IFN-ALPHA-10 | 8.271       | 0                     | 8.3    | interferon-alpha-10                          | NM_001166310.1 | IFNA10             |
| IFN-ALPHA-13 | 2.939       | 0.6                   | 3.7    | interferon-alpha-13                          | NM_001164843.1 | IFNA13             |
| IFN-ALPHA-14 | 2.783       | 0.6                   | 3.5    | interferon-alpha-14                          | NM_001166318.1 | IFNA14             |
| IFN-ALPHA-15 | 2.057       | 5                     | 12.2   | interferon-alpha-15                          | NM_001164845.1 | IFNA15             |
| IFN-ALPHA-16 | 1.773       | 2.2                   | 4.6    | interferon-alpha-16                          | NM_001164855.1 | IFNA16             |
| IFN-ALPHA-17 | 4.903       | 1.2                   | 9.9    | interferon-alpha-17                          | NM_001195375.1 | IFNA17             |
| IFN-ALPHA-4  | -2.991      | 4                     | 0.5    | interferon-alpha-4                           | NM_001166319.1 | IFNA4              |
| IFN-ALPHA-5  | 1.330       | 0.4                   | 0.8    | interferon, alpha 5                          | NM_001164860.1 | IFNA5              |
| IFN-ALPHA-8  | 4.535       | 1.4                   | 11     | interferon-alpha-8                           | NM_001164849.1 | IFNA8              |
| IFN-ALPHA-9  | 3.641       | 0.6                   | 5.1    | interferon-alpha-9                           | NM_001195377.1 | IFNA9              |
| IFNAR1       | -1.261      | 889.4                 | 630.3  | interferon alpha and beta receptor subunit 1 | XM_021068507.1 | IFNAR1             |
| IFNAR2       | 1.186       | 476                   | 536.2  | interferon alpha and beta receptor subunit 2 | XM_021068453.1 | IFNAR2             |
| IFNB1        | 1.002       | 0                     | 0      | interferon beta 1                            | NM_001003923.1 | IFNB1              |
| IFN-DELTA-1  | -1.597      | 3.6                   | 2      | interferon-delta-1                           | NM_001002832.1 | IFND1              |
| IFN-DELTA-10 | 2.129       | 0.6                   | 2.3    | interferon-delta-10                          | NM_001165907.1 | IFND10             |
| IFN-DELTA-11 | 1.519       | 0.6                   | 1.5    | interferon-delta-11                          | NM_001164851.1 | IFND11             |
| IFN-DELTA-2  | -1.791      | 23                    | 11.5   | interferon-delta-2                           | XM_021063028.1 | IFND2              |
| IFN-DELTA-3  | 6.648       | 0                     | 6.5    | interferon-delta-3                           | NM_001164853.1 | IFND3              |
| IFN-DELTA-4  | 2.149       | 0                     | 1.3    | interferon-delta-4                           | NM_001164846.1 | IFND4              |
| IFN-DELTA-5  | 2.272       | 0.4                   | 2.1    | interferon-delta-5                           | NM_001164854.1 | IFND5              |
| IFN-DELTA-6  | 3.691       | 0.2                   | 3.9    | interferon-delta-6                           | NM_001166312.1 | IFND6              |
| IFN-DELTA-7  | 1.021       | 1                     | 0.9    | interferon delta 7                           | NM_001164859.1 | IFND7              |
| IFN-DELTA-8  | 3.022       | 0.2                   | 3.3    | interferon-delta-8                           | NM_001164847.1 | IFND8              |
| IFN-DELTA-9  | 1.630       | 0.6                   | 1.5    | interferon-delta-9                           | NM_001164848.1 | IFND9              |
| IFNG         | -1.504      | 1.6                   | 0.7    | interferon gamma                             | NM_213948.1    | IFNG               |
| IFNGR1       | -1.657      | 2334                  | 1323.5 | interferon gamma receptor 1                  | XM_005659183.3 | IFNGR1             |
| IFNGR2       | 1.050       | 1938.6                | 1908.9 | interferon gamma receptor 2                  | NM_001111258.1 | IFNGR2             |
| IFNLR1       | -1.599      | 428.4                 | 273.3  | interferon lambda receptor 1                 | XM_021095536.1 | IFNLR1             |
| IFN-OMEGA-2  | -1.092      | 0.6                   | 0.5    | interferon-omega-2                           | NM_001166322.1 | IFNW2              |
| IFN-OMEGA-3  | 5.944       | 0                     | 5.8    | interferon omega 3                           | NM_001164844.1 | IFNW3              |
| IFN-OMEGA-4  | 3.301       | 0.6                   | 5.1    | interferon omega 4                           | NM_001164852.1 | IFNW4              |
| IFN-OMEGA-5  | 1.000       | 0                     | 0      | interferon omega 7                           | NM_001130533.1 | IFNW5              |
| IFN-OMEGA-6  | 1.687       | 2                     | 3.7    | interferon omega 6                           | NM_001164850.1 | IFNW6              |
| IFN-OMEGA-7  | 3.521       | 0                     | 3.1    | interferon omega 7                           | NM_001130232.1 | IFNW7              |

Table S3. Continued

| Gene symbol | Fold change | Average of read count |        | product  | transcript_id  | IPA-mapping symbol |
|-------------|-------------|-----------------------|--------|--|----------------|--------------------|
|             |             | Control               | HuNoV  |  |                |                    |
| IL10        | 2.157       | 26.4                  | 54.5   | interleukin 10   | NM_214041.1    | IL10               |
| IL12A       | 2.028       | 0.6                   | 2.4    | interleukin 12A  | NM_213993.1    | IL12A              |
| IL12B       | 1.975       | 3                     | 8      | interleukin 12B  | NM_214013.1    | IL12B              |
| IL13        | 2.680       | 3.4                   | 9.7    | interleukin 13   | XM_005661643.3 | IL13               |
| IL24        | 4.248       | 27.4                  | 127.1  | interleukin 24   | XM_021063319.1 | IL24               |
| IL29        | 1.366       | 1.6                   | 2.7    | interleukin 29 (interferon, lambda 1)                    | NM_001142837.1 | IL29               |
| IL2RG       | 1.764       | 972                   | 1645.9 | interleukin 2 receptor subunit gamma                     | XM_021079497.1 | IL2RG              |
| IRAK4       | -1.495      | 302.6                 | 189.2  | interleukin 1 receptor associated kinase 4               | NM_001112693.1 | IRAK4              |
| ISG15       | -1.224      | 444.8                 | 314.3  | ISG15 ubiquitin-like modifier                            | NM_001128469.2 | ISG15              |
| JAG2        | 1.900       | 86.8                  | 151.4  | jagged 2   | XM_021081548.1 | JAG2               |
| JAK1        | -1.513      | 6334.6                | 3764.1 | Janus kinase 1   | XM_021093532.1 | JAK1               |
| JAK2        | -1.770      | 671                   | 343.4  | Janus kinase 2   | XM_021082799.1 | JAK2               |
| LAG3        | 2.879       | 58                    | 146    | lymphocyte activating 3 linker for activation of T-cells | NM_001105306.1 | LAG3               |
| LAT         | 2.414       | 319.4                 | 777.9  | LCK proto-oncogene, Src family tyrosine kinase           | XM_005662061.3 | LAT                |
| LCK         | 1.565       | 223.6                 | 344.6  | MX dynamin like GTPase 1                                 | XM_021093252.1 | LCK                |
| MX1         | -2.334      | 1846.6                | 661.9  | myxovirus (influenza virus) resistance 2                 | NM_214061.2    | MX1                |
| MX2         | -1.587      | 201                   | 105.8  | natural cytotoxicity triggering receptor 1               | NM_001097416.1 | MX2                |
| NCR1        | 2.459       | 13.2                  | 32     | natural cytotoxicity triggering receptor 2               | XM_005664831.3 | NCR1               |
| NCR2        | 2.709       | 29.4                  | 74     | natural cytotoxicity triggering receptor 3               | XM_021098670.1 | NCR2               |
| NCR3        | 3.014       | 7.8                   | 27.3   | nuclear factor of activated T-cells 1                    | XM_013977630.2 | NCR3               |
| NFATC1      | 2.010       | 245.4                 | 455    | nuclear factor of activated T-cells 2                    | NM_214161.1    | NFATC1             |
| NFATC2      | 1.844       | 382.8                 | 654.3  | notch 1  | XM_013985461.2 | NFATC2             |
| NOTCH1      | 2.221       | 741.6                 | 1600.6 | notch 2  | XM_021081037.1 | NOTCH1             |
| NOTCH2      | 1.543       | 1024.8                | 1493.9 | notch 3  | XM_021090691.1 | NOTCH2             |
| NOTCH3      | 3.458       | 620.2                 | 1988.3 | notch 4  | XM_021083631.1 | NOTCH3             |
| NOTCH4      | 2.318       | 209.4                 | 455.6  | 2'-5'-oligoadenylate synthetase 1                        | NM_001123147.1 | NOTCH4             |
| OAS1        | -1.855      | 9751.8                | 5126   | 2'-5'-oligoadenylate synthetase 2                        | XM_021073680.1 | OAS1               |
| OAS2        | -1.138      | 5356.8                | 4718.8 | programmed cell death 1                                  | XM_021072182.1 | OAS2               |
| PDCD1       | 3.899       | 16                    | 71.1   |  | XM_021074630.1 | PDCD1              |

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|        |       |       |       |                                 |                |        |
|--------|-------|-------|-------|---------------------------------|----------------|--------|
| SH3BP2 | 1.640 | 369.8 | 557.7 | SH3 domain binding<br>protein 2 | XM_005666488.3 | SH3BP2 |
|--------|-------|-------|-------|---------------------------------|----------------|--------|







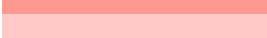




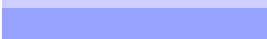





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**Table S3.** Continued

| Gene symbol | Fold change | Average of read count |         | product  | transcript_id  | IPA-mapping symbol |
|-------------|-------------|-----------------------|---------|--|----------------|--------------------|
|             |             | Control               | HuNoV   |  |                |                    |
| SLA-1       | -1.536      | 55600.8               | 32373.5 | MHC class I antigen 1                                | XM_021098437.1 | HLA-A              |
| SLA-2       | -2.189      | 51146.8               | 20509.2 | MHC class I antigen 2                                | XM_021097872.1 | HLA-B              |
| SLA-3       | -2.952      | 26341.4               | 7500    | MHC class I antigen 3                                | XM_021097849.1 | HLA-C              |
| SLA-5       | -2.541      | 13942.8               | 4558.3  | MHC class I antigen 5                                | NM_001114056.1 | HLA-H              |
| SLA-6       | 1.577       | 436.6                 | 617.1   | MHC class I antigen 6                                | XM_013977620.2 | HLA-E              |
| SLA-7       | 1.136       | 993.2                 | 1020.2  | MHC class I antigen 7                                | XM_021098282.1 | HLA-F              |
| SLA-8       | -1.104      | 546.2                 | 453.7   | MHC class I antigen 8                                | XM_013977617.2 | HLA-G              |
| SLA-DMA     | 1.813       | 2060.6                | 3487.1  | SLA-DM alpha chain                                   | NM_001113705.1 | HLA-DMA            |
| SLA-DMB     | 1.823       | 1007.2                | 1667.2  | MHC class II, DM beta                                | NM_001113707.1 | HLA-DMB            |
| SLA-DOA     | 2.242       | 233.8                 | 482.2   | major histocompatibility complex, class II, DO alpha | NM_001185143.1 | HLA-DOA            |
| SLA-DOB     | 1.584       | 102                   | 164.7   | MHC class II, DO beta                                | XM_021097880.1 | HLA-DOB            |
| SLA-DQA1    | 2.124       | 5990.2                | 11524.4 | MHC class II histocompatibility antigen SLA-DQA      | XM_005665844.3 | HLA-DQA1           |
| SLA-DQB1    | 1.637       | 4970.2                | 7350.8  | SLA-DQ beta1 domain                                  | NM_001113694.1 | HLA-DQB1           |
| SLA-DRA     | 1.815       | 28180                 | 45108.6 | MHC class II DR-alpha                                | NM_001113706.1 | HLA-DRA            |
| SLA-DRB1    | 1.643       | 11662.6               | 18222.1 | MHC class II histocompatibility antigen SLA-DRB1     | NM_001113695.1 | HLA-DRB1           |
| SOCS1       | 2.375       | 306.2                 | 693.4   | suppressor of cytokine signaling 1                   | XM_005662126.3 | SOCS1              |
| STAT1       | -1.389      | 6088.4                | 3818.3  | signal transducer and activator of transcription 1   | XM_021074657.1 | STAT1              |
| TGFB1       | 2.336       | 1400.8                | 3140    | transforming growth factor beta 1                    | XM_021093503.1 | TGFB1              |
| TLR4        | 1.685       | 137.2                 | 209.2   | toll like receptor 4                                 | NM_001113039.2 | TLR4               |
| TLR9        | 1.539       | 994                   | 1358.1  | toll like receptor 9                                 | NM_213958.1    | TLR9               |
| TNF         | 4.633       | 24.6                  | 113.9   | tumor necrosis factor                                | NM_214022.1    | TNF                |
| TNFRSF1B    | 1.605       | 730                   | 1119.7  | TNF receptor superfamily member 1B                   | XM_021093133.1 | TNFRSF1B           |
| TYK2        | 1.798       | 1610.6                | 2810    | tyrosine kinase 2                                    | XM_005654826.3 | TYK2               |
| TYROBP      | 1.882       | 1330.2                | 2247.7  | TYRO protein tyrosine kinase binding protein         | XM_005664506.3 | TYROBP             |
| VAV1        | 1.523       | 288.6                 | 421.9   | vav guanine nucleotide exchange factor 1             | XM_021079171.1 | VAV1               |

**Table S4.** The color scale index for representing the relative expression level. The gene expression levels were indicated by different colors ranging from blue (low) to red (high).

| <b>Fold</b> | <b>Color</b>  | <b>RGB</b>  |
|-------------|---|-------------|
| >10         |    | 150.5.1     |
| >7.5        |    | 200.7.2     |
| >5          |    | 250.8.2     |
| >3          |    | 253.52.47   |
| >2          |    | 253.102.98  |
| >1.75       |    | 254.152.148 |
| >1.5        |    | 255.202.201 |
| >1.25       |    | 255.230.229 |
| 1           |    | 255.255.255 |
| <-1.25      |    | 232.229.255 |
| <-1.5       |    | 205.205.205 |
| <-1.75      |    | 152.162.254 |
| <-2         |    | 88.104.254  |
| <-3         |    | 39.59.253   |
| <-5         |    | 2.25.244    |
| <-7.5       |   | 1.14.137    |
| <-10        |  | 1.9.83      |