

## SUPPLEMENTARY TABLE

**Supplementary Table 1. 47 pyroptosis-related genes.**

| <b>Genes</b> | <b>Full-names</b>                                      |
|--------------|--------------------------------------------------------|
| CASP1        | cysteine-aspartic acid protease-1                      |
| CASP3        | cysteine-aspartic acid protease-3                      |
| CASP4        | cysteine-aspartic acid protease-4                      |
| CASP5        | cysteine-aspartic acid protease-5                      |
| CASP6        | cysteine-aspartic acid protease-6                      |
| CASP7        | cysteine-aspartic acid protease-7                      |
| CASP8        | cysteine-aspartic acid protease-8                      |
| CASP9        | cysteine-aspartic acid protease-9                      |
| GSDMA        | gasdermin A                                            |
| GSDMB        | gasdermin B                                            |
| GSDMC        | gasdermin C                                            |
| GSDMD        | gasdermin D                                            |
| GSDME        | gasdermin E                                            |
| PJVK         | pejvakin/deafness, autosomal recessive 59              |
| NLRC4        | NLR family CARD domain containing 4                    |
| NLRP1        | NLR family pyrin domain containing 1                   |
| NLRP2        | NLR family pyrin domain containing 2                   |
| NLRP3        | NLR family pyrin domain containing 3                   |
| NLRP6        | NLR family pyrin domain containing 6                   |
| NLRP7        | NLR family pyrin domain containing 7                   |
| MEFV         | the pyrin inflammasome gene                            |
| AIM2         | Absent in melanoma 2                                   |
| NOD1         | nucleotide binding oligomerization domain containing 1 |
| NOD2         | nucleotide binding oligomerization domain containing 2 |
| CARD8        | a caspase recruitment domain                           |
| PYCARD       | PYD and CARD domain containing                         |
| IL18         | interleukin 18                                         |
| IL1B         | interleukin 1 beta                                     |
| IL6          | interleukin 6                                          |
| PLCG1        | phospholipase C gamma 1                                |
| PRKACA       | protein kinase cAMP-activated catalytic subunit alpha  |
| SCAF11       | SR-related CTD associated factor 11                    |
| TIRAP        | TIR domain containing adaptor protein                  |
| TNF          | tumor necrosis factor                                  |
| ELANE        | elastase, neutrophil expressed                         |
| GPX4         | glutathione peroxidase 4                               |
| ZBP1         | Z-DNA binding protein 1                                |
| GZMA         | GranzymeA                                              |
| GZMB         | GranzymeB                                              |
| TLR3         | Toll-like receptor 3                                   |
| TLR4         | Toll-like receptor 4                                   |
| RIPK1        | receptor interacting protein kinase 1                  |
| RIPK3        | receptor interacting protein kinase 3                  |
| IRF2         | interferon regulatory factor 2                         |
| IRF8         | interferon regulatory factor 8                         |
| NFKB1        | nuclear factor of $\kappa$ B                           |
| NEK7         | kinase NIMA-related kinase 7                           |