

Table S1 List of 51 pyroptosis-related genes

AIM2
 CASP1
 CASP3
 CASP4
 CASP5
 CASP6
 CASP8
 CASP9
 ELANE
 GPX4
 GSDMA
 GSDMB
 GSDMC
 GSDMD
 GSDME
 IL18
 IL1B
 IL6
 NLRC4
 NLRP1
 NLRP2
 NLRP3
 NLRP6
 NLRP7
 NOD1
 NOD2
 PJKK
 PLCG1
 PRKACA
 PYCARD
 SCAF11
 TIRAP
 TNF
 BAK1
 BAX
 CHMP2A

Table S1 (*continued*)**Table S1** (*continued*)

CHMP2B
 CHMP3
 CHMP4A
 CHMP4B
 CHMP4C
 CHMP6
 CHMP7
 CYCS
 GZMB
 HMGB1
 IL1A
 IRF1
 IRF2
 TP53
 TP63

Table S2 Differentially expressed genes between the three pyroptosis clusters

TP63
PKP1
DSC3
TRIM29
DSG3
SERPINB5
KRT6A
GJB5
NECTIN1
KRT5
CLCA2
SNAI2
MIR205HG
FGFR2
GBP6
FAM83B
LINC02541
ST6GALNAC2
SLC6A8
PTPRZ1
IRF6
FAT2
P2RY1
PERP
DENND2C
CYP2S1
GPR87
GRHL3
STON2
BNC1
KRT6B
S1PR5
S100A2
FZD6
LPAR3

Table S2 (continued)

Table S2 (*continued*)

KRT15
BMP7
TMEM117
GJB6
KRT17
ABCC5
FRMD6
GPC1
CSTA
TNS4
SESN3
JAG1
NTRK2
XXYL1
ITGB4
TMEM40
SPRR1B
CERS3
SOX15
ATP1B3
CD109
BICD2
SPRR1A
HAS3
SERPINB13
FGFBP1
DGKA
RAET1L
DDR1
RAPGEFL1
SDC1
KRT13
COL7A1
FOXE1
IGSF3
EFS

Table S2 (continued)

Table S2 (continued)

| |
|-----------|
| SFN |
| PTGFRN |
| KLF5 |
| CALML3 |
| KRT16 |
| PTHLH |
| DAPL1 |
| ZNF750 |
| LRATD1 |
| FST |
| ADH7 |
| FXYD3 |
| KLHL13 |
| ITGB8 |
| DIPK2A |
| TMPRSS4 |
| SLC2A1 |
| CYB5R2 |
| ITGA6 |
| LINC00519 |
| RGMA |
| FBXO27 |
| AJUBA |
| PLD1 |
| MRAP2 |
| SOX2 |
| TMTC3 |
| FANCE |
| MICALL1 |
| CD9 |
| JUP |
| TRPV4 |
| CAPNS2 |
| VSNL1 |
| TLCD3A |

Table S2 (continued)**Table S2** (continued)

| |
|--------------|
| DQX1 |
| SOWAHC |
| PGAP4 |
| FERMT1 |
| SLC9A3R1 |
| SPRR2A |
| SH3BP1 |
| EFNB1 |
| MCC |
| PARD6G |
| CLDN1 |
| LAD1 |
| LOC105378231 |
| GLTP |
| RASSF9 |
| KIAA1671 |
| SPRR3 |
| LINC01133 |
| WNT7B |
| GJB3 |
| PCYT1A |
| ABCA13 |
| PIGX |
| TRIM7 |
| GJB2 |
| ARL4D |
| NFE2L2 |
| UST |
| COL17A1 |
| SUSD4 |
| PITX1 |
| ARHGAP23 |
| FAM83D |
| ZNF385A |
| USH1G |

Table S2 (continued)

Table S2 (continued)

ARHGEF4
PLA2R1
ATP11B
PRRG4
C16orf74
KCTD15
SLC7A8
DLK2
TTC22
ALG1L
DUSP7
SIPA1L2
KRT6C
MARK1
TTLL12
FAM83C
C10orf99
IL1RAP
KLRK1-AS1
RNF168
ZBTB7C
RAB38
YEATS2
FAM110C
CDHR1
DVL3
KCTD1
S100A11
CKMT1B
HR
FGFR3
PHLDB2
SPRR2D
HAP1
ARTN

Table S2 (continued)

Table S2 (continued)

PRNP
INKA1
IGSF11
HSPB1
ULBP2
HCAR2
GRHL1
SLC20A2
WDR72
LTB4R
CACNA2D3
B3GNT5
CORO2A
TMPRSS11D
DST
FRRS1
GJA1
GPNMB
LAMB3
NTS
IFI16
BBOX1-AS1
COL4A5
DMRT2
TINCR
CFAP251
OTX1
FOXD1
KRT14
NECTIN4
COPZ2
PTPRS
RNU6-140P
SOX21-AS1
ICA1

Table S2 (continued)

Table S2 (continued)

PLEKHB1
ARRB1
SDSL
RGL3
GOLT1A
TESC
SNTB1
DUSP4
SMPDL3B
LOC100288175
ALDH3B1
CLDN3
MGAT4A
LPIN2
ACSL5
TMPRSS3
KCNK5
SLC16A4
RAB17
ME3
QPCT
FAM107B
RAB20
BSPRY
CXXC5
SNAI1
SLC43A3
COTL1
RORC
CSF2RA
AGT
TMEM125
ATP2A3
KCNN4
QPRT

Table S2 (continued)**Table S2** (continued)

GAB2
UNC13D
SH3KBP1
ENPP4
GNG11
GJB1
PLEKHA6
TJP3
CRACR2B
TFPI2
PCED1B
LMO3
TMEM176A
HID1
ACSS1
ARHGEF26
LOC730101
ALDH1A1
WNK2
GSTA4
SOX21
GPC3
DLX5
EPCAM
GSTA1
IL1A
IL1B
PLAUR
G0S2
ZC3H12A
UPP1
TNFRSF12A
SAA2
IL4R
PDZK1IP1

Table S2 (continued)

Table S2 (continued)

SERPINB1
SAA1
HEPHL1
LAMC2
SAA2-SAA4
RNASE7
PLAU
CST6
MT2A
ARSI
CXCL5
ITGB6
PLEK2
CXCL1
FHL2
CXCL8
ITGA3
CSF3
C15orf48
S100A9
CCL20
TGFB1
SERPINE1
AFAP1L2
TINAGL1
NIPAL4
LGALS1
TNFAIP6
IL36G
NT5E
MMP3
ICAM1
MMP28
IL32
TMEM45A

Table S2 (continued)

Table S2 (continued)

MMP1
AIM2
S100A7
IL1RN
AREG
CDH3
INHBA
S100A8
FAM83A
IL6
CYP24A1
PMEPA1
S100A7A
LRG1
GSE1
CYFIP2
FAM174B
IL17RB
ASRGL1
GADD45G
PRR36
SVIP
PRR15L
ANXA8
PI3
CA12
TGFA
ANXA8L1
FSCN1
TUBB6
SLC2A9
ARNTL2
GNA15
AHNAK2
C12orf54

Table S2 (continued)

Table S2 (continued)

WFDC5
GSDMC
CD44
LIMA1
SERPINB3
TACSTD2
PGF
SPRR2E
PPP1R14C
IVL
LIMK2
PHLDA3
SERPINB2
LOC101929494
IL20RB
SERPINB4
RND3
S100A16
RAB7B
TGM1
CAV2
RAP2B
HES2
GNAI1
LYPD3
GNG12
TMEM154
RHCG
ADORA2B
P2RY2
ANXA2
NDRG1
FOSL1
ADGRF4
LAMA3

Table S2 (continued)

Table S2 (continued)

PLP2
TBC1D2
THBD
RIN1

Table S3 List of 64 genes associated with prognosis according to univariate Cox regression analyses

ENPP4
KLHL13
ICA1
ITGA3
TNFRSF12A
ALDH3B1
CD9
PLEKHB1
GAB2
DGKA
FAM107B
FGFR2
TP63
TESC
UNC13D
FAM83D
TJP3
DLX5
SERPINE1
AREG
FANCE
ITGB6
OTX1
CSTA
INHBA
SNAI1
PMEPA1
MT2A
GADD45G
KCTD1
MRAP2
ARRB1
TMEM117
TMTC3
TINAGL1

Table S3 (continued)

Table S3 (continued)

SUSD4
PLEKHA6
DQX1
FAM83A
CYP2S1
HID1
SLC16A4
GJB1
GSTA4
XXYL1
THBD
FOXE1
TMEM125
ABCA13
SOX2
DIPK2A
RGMA
GBP6
UPP1
ADH7
SERPINB13
RGL3
LOC730101
LINC01133
CKMT1B
KLRK1-AS1
FOXD1
LINC00519
MMP28
