

Supplementary Table 1 : Pyroptosis-related genes and Pyroptosis-related DEGs in PAAD

Pyroptosis related Genes	Pyroptosis related DEGs in PAAD
AIM2	TNF
CASP5	CASP1
CASP9	CASP3
ELANE	CASP4
GSDMA	CASP6
GSDMC	CASP8
NLRC4	GPX4
NLRP2	GSDMB
NLRP6	GSDMD
NLRP7	DFNA5
PJK	IL18
TIRAP	IL1B
TNF	IL6
CASP1	NLRP1
CASP3	NLRP3
CASP4	NOD1
CASP6	NOD2
CASP8	PLCG1
GPX4	PYCARD
GSDMB	Stat3
GSDMD	RIPK3
DFNA5	HMGB1
IL18	ZBP1
IL1B	NEK7
IL6	SYK
NLRP1	AKT1
NLRP3	FOXO1
NOD1	PSMB8
NOD2	PTEN
PLCG1	SPHK1
PYCARD	TLR4
Stat3	SDHB
PDL1	TREM1
PCSK9	APAF1
HDAC6	CRTAC1
RIPK3	TLR2
HMGB1	GDF11
ZBP1	HOXA3
NEK7	NLRX1
Nrf2	PINK1

SYK	MAPK3
CD73	MAPK1
AKT1	TRIM31
FOXO1	TFAM
HSPA12A	MEG3
NLRP12	CYP1B1
PSMB8	PKM
PTEN	IL1R1
SPHK1	SNIP1
TLR4	RCN2
SDHB	ROCK1
TREM1	TFE3
APAF1	NRF1
CRTAC1	UQCRC1
TLR2	TXNIP
SENP7	WNK1
GDF11	PTGS2
HOXA3	TREM1
NLRX1	ITPR1
PINK1	TFEB
MAPK3	NLRC5
MAPK1	SLC5A1
TRIM31	PRDM1
TFAM	GABARAPL2
IGF1	GABARAP
MEG3	TREM2
CYP1B1	CLEC5A
SIRT1	CD38
PKM	RIPK3
IL1R1	TP53
CNR2	KLF2
SNIP1	HK1
HERC2	NOX4
RCN2	ZBP1
SP1	IRF1
ROCK1	MAP3K11
CXCL12	METTL14
PRKAA1	MAP4
TFE3	APEX1
HDAC11	APAF1
HOTAIR	MELK
NRF1	
PCSK9	
UQCRC1	

TXNIP
WNK1
APBA3
PTGS2
AKT2
TREM1
ITPR1
SIRT3
MTOR
TFEB
NLRC5
BRD4
DRD2
SLC5A1
PRDM1
GABARAPL2
GABARAP
CARD8
TREM2
CLEC5A
ADAR3
CD38
RIPK3
DR6
TP53
SIRT1
BDNF
KLF2
HK1
CHRFAM7A
TRIM24
PHLPP2
NOX4
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IRF1
MAP3K11
METTL14
RACK1
MAP4
FOXO3
CDK9
P2RX7
APEX1
APAF1

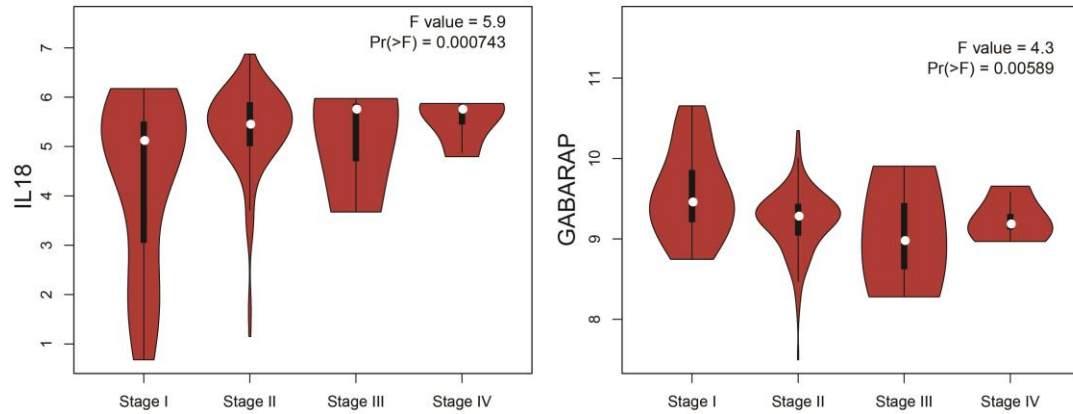
NAIP
MELK
HDAC6

Supplementary Table 2: Prognostic Pyroptosis-related DEGs

Gene names	Overall survival	Disease free survival	Pathological stage
CASP3	√		
CASP4	√	√	
GSDMB	√		
IL18	√	√	√
NLRP1	√	√	
PLCG1	√		
HMGB1	√	√	
NEK7	√		
APAF1	√		
GDF11	√		√
PKM	√	√	
ITPR1	√		
TFEB	√		
GABARAP	√	√	√
MELK	√	√	

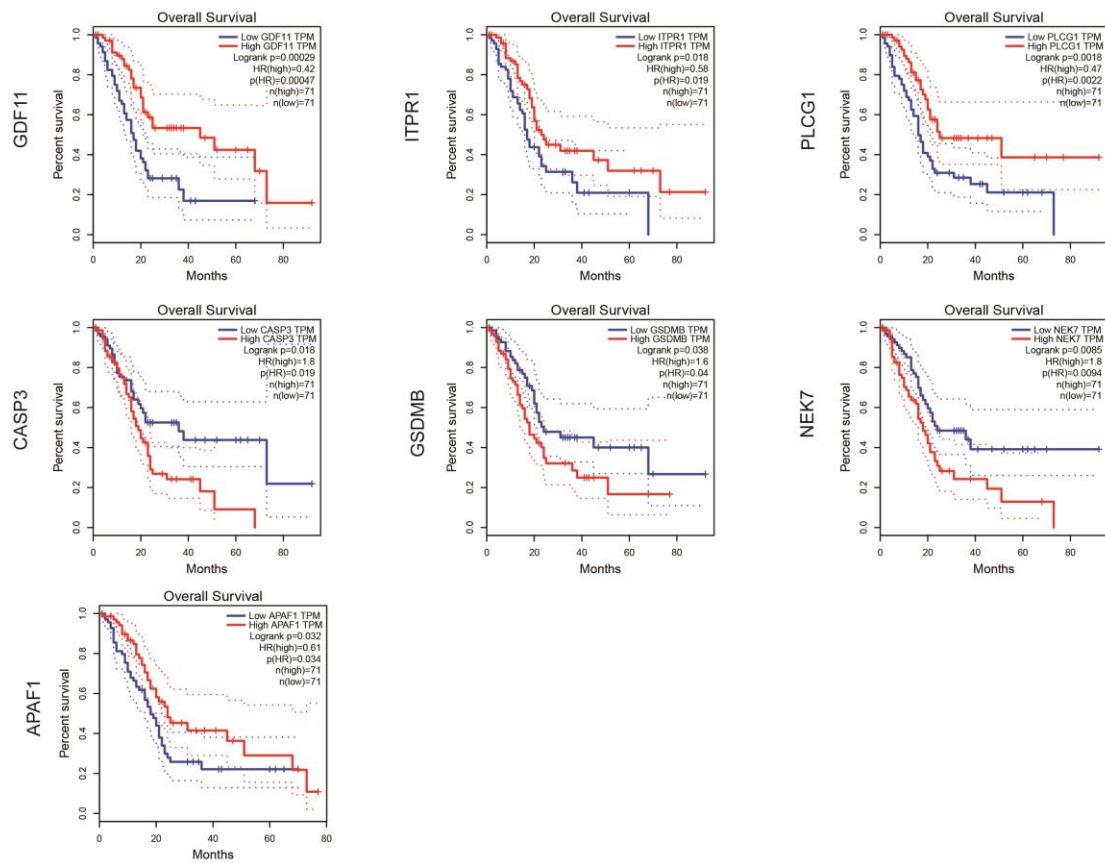
√ :means genes have relationship with Overall survival or disease free time or stage

Supplementary Figure1



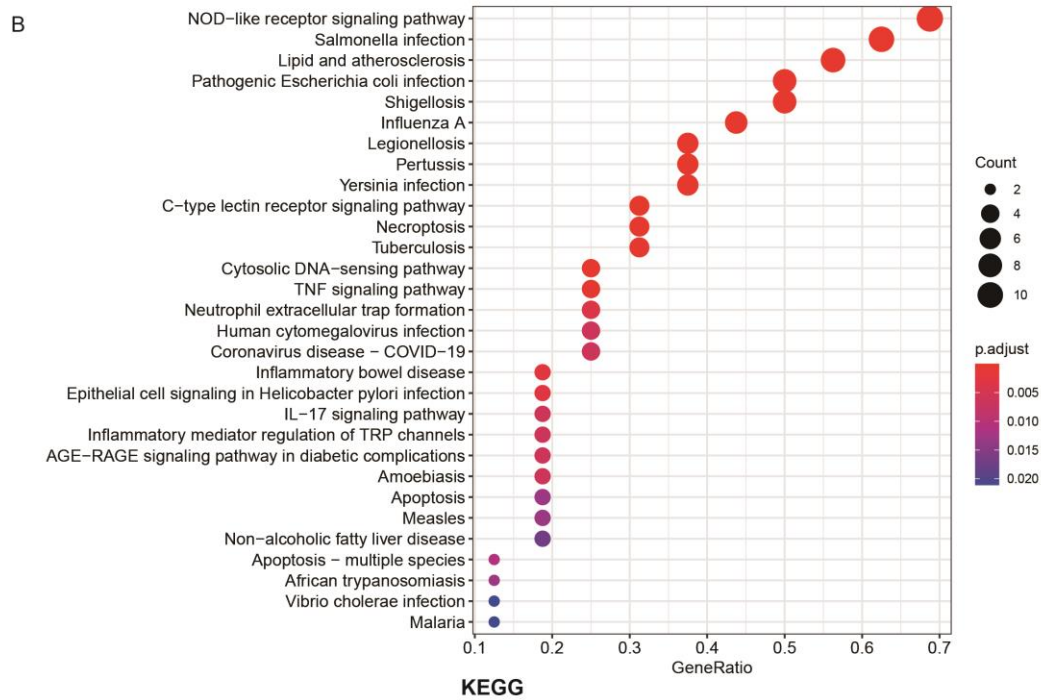
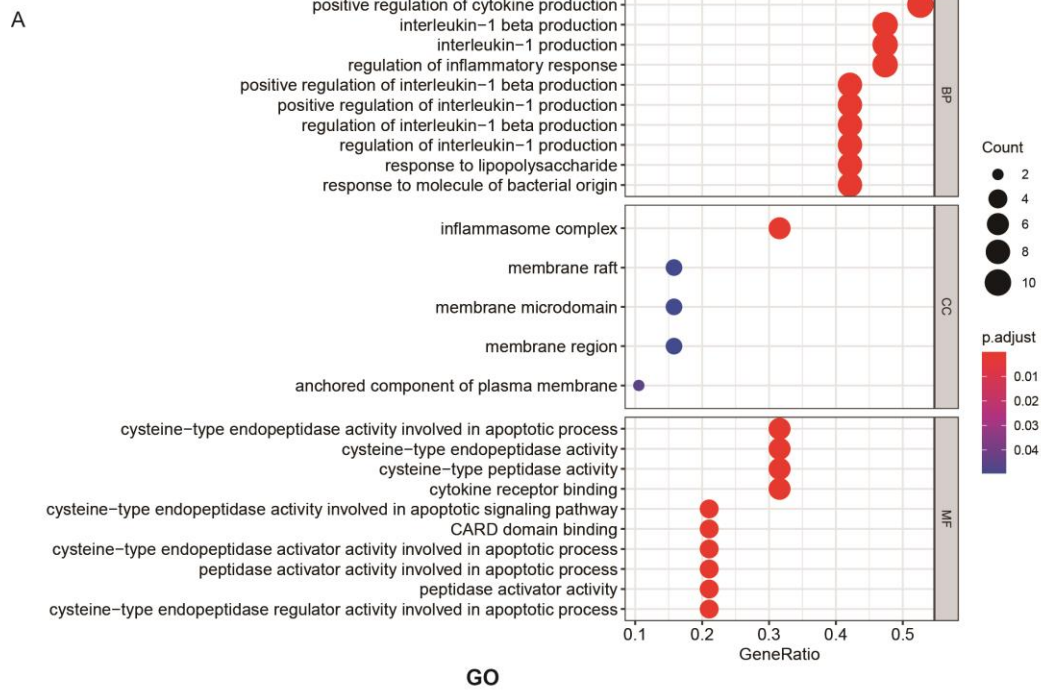
Supplementary Figure1: IL18 and GABARAP expressed distinctly in different pathological stages.

Supplementary Figure2



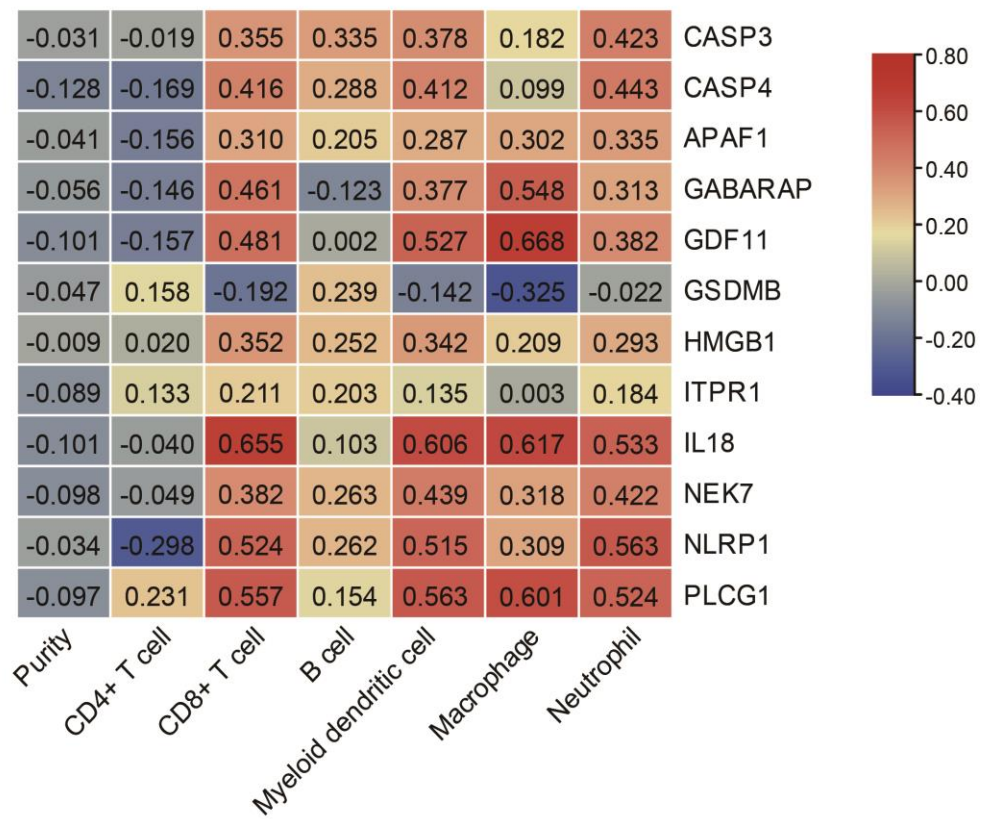
Supplementary Figure2: The pyroptosis related DEGs which are only related with OS .

Supplementary Figure3



Supplementary Figure3:Go and KEGG of the prognostic pyroptosis related DEGs.

Supplementary Figure4



Supplementary Figure4: The summary of correlations between pyroptosis related DEGs and immune cells infiltration.