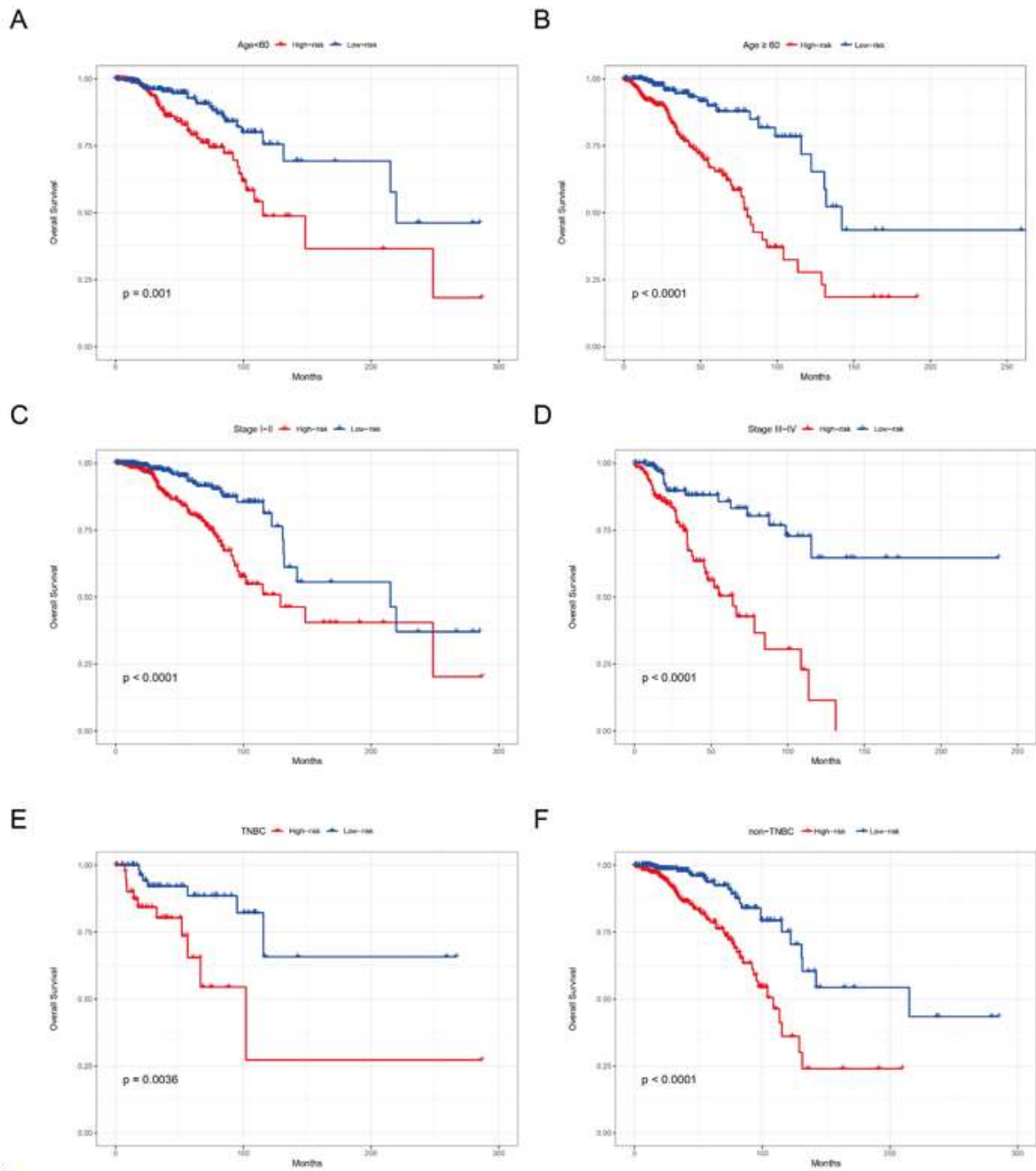


Supplementary Figure 1 Cell fractions of immune cell, as well as stromal and immune scores in different cancer stages and normal tissues. A: CD4 memory resting T cells; **B:** CD4 memory activated T cells; **C:** Regulatory T cells; **D:** Resting NK cells; **E:** Stromal score; **F:** Immune score.



Supplementary Figure 2 Stratification analyses of overall survival between high- and low-risk patients in different subgroups. A: Age < 60; B: Age ≥ 60 ; C: Stage I-II; D: Stage III-IV; E: TNBC; F: Non-TNBC.

cluster	gene
CAFs MSC iCAF-like s1	APOD
CAFs MSC iCAF-like s1	DCN
CAFs MSC iCAF-like s1	CFD
CAFs MSC iCAF-like s1	PTGDS
CAFs MSC iCAF-like s1	LUM
CAFs MSC iCAF-like s1	C3
CAFs MSC iCAF-like s1	SFRP2
CAFs MSC iCAF-like s1	C1S
CAFs MSC iCAF-like s1	CXCL14
CAFs MSC iCAF-like s1	CCDC80
CAFs MSC iCAF-like s1	CXCL12
CAFs MSC iCAF-like s1	MFAP4
CAFs MSC iCAF-like s1	FBLN1
CAFs MSC iCAF-like s1	SFRP4
CAFs MSC iCAF-like s1	GSN
CAFs MSC iCAF-like s1	CTSK
CAFs MSC iCAF-like s1	SERPINF1
CAFs MSC iCAF-like s1	C1R
CAFs MSC iCAF-like s1	RARRES2
CAFs MSC iCAF-like s1	IGF2
CAFs MSC iCAF-like s1	IGFBP6
CAFs MSC iCAF-like s1	CTGF
CAFs MSC iCAF-like s1	MMP2
CAFs MSC iCAF-like s1	CYR61
CAFs MSC iCAF-like s1	SERPING1
CAFs MSC iCAF-like s1	IGFBP4
CAFs MSC iCAF-like s1	COL6A2
CAFs MSC iCAF-like s1	MEG3
CAFs MSC iCAF-like s1	IGF1
CAFs MSC iCAF-like s1	COL6A3
CAFs MSC iCAF-like s1	SRPX
CAFs MSC iCAF-like s1	MXRA8
CAFs MSC iCAF-like s1	ADH1B
CAFs MSC iCAF-like s1	PDGFRL
CAFs MSC iCAF-like s1	COL1A2
CAFs MSC iCAF-like s1	ISLR
CAFs MSC iCAF-like s1	LRP1
CAFs MSC iCAF-like s1	EGR1
CAFs MSC iCAF-like s1	DPT
CAFs MSC iCAF-like s1	EFEMP1
CAFs MSC iCAF-like s1	AEBP1
CAFs MSC iCAF-like s1	COL3A1
CAFs MSC iCAF-like s1	PCOLCE
CAFs MSC iCAF-like s1	SOD3
CAFs MSC iCAF-like s1	TIMP1
CAFs MSC iCAF-like s1	COL6A1
CAFs MSC iCAF-like s1	FGF7
CAFs MSC iCAF-like s1	COL14A1
CAFs MSC iCAF-like s1	FBLN5
CAFs MSC iCAF-like s1	PLPP3
CAFs MSC iCAF-like s1	SPON2

CAFs MSC iCAF-like s1	NNMT
CAFs MSC iCAF-like s1	OLFML3
CAFs MSC iCAF-like s1	GPC3
CAFs MSC iCAF-like s1	PI16
CAFs MSC iCAF-like s1	COL1A1
CAFs MSC iCAF-like s1	TMEM176B
CAFs MSC iCAF-like s1	CTHRC1
CAFs MSC iCAF-like s1	RASD1
CAFs MSC iCAF-like s1	GPNMB
CAFs MSC iCAF-like s1	PMP22
CAFs MSC iCAF-like s1	LHFP
CAFs MSC iCAF-like s1	GEM
CAFs MSC iCAF-like s1	HTRA1
CAFs MSC iCAF-like s1	FXYD1
CAFs MSC iCAF-like s1	FBLN2
CAFs MSC iCAF-like s1	MAFB
CAFs MSC iCAF-like s1	SEPP1
CAFs MSC iCAF-like s1	OGN
CAFs MSC iCAF-like s1	CFH
CAFs MSC iCAF-like s1	LAPTM4A
CAFs MSC iCAF-like s1	TMEM176A
CAFs MSC iCAF-like s1	VCAN
CAFs MSC iCAF-like s1	TIMP2
CAFs MSC iCAF-like s1	MGP
CAFs MSC iCAF-like s1	PODN
CAFs MSC iCAF-like s1	BGN
CAFs MSC iCAF-like s1	FSTL1
CAFs MSC iCAF-like s1	NR2F1
CAFs MSC iCAF-like s1	ABCA8
CAFs MSC iCAF-like s1	TNXB
CAFs MSC iCAF-like s1	PLTP
CAFs MSC iCAF-like s1	PLAC9
CAFs MSC iCAF-like s1	CALD1
CAFs MSC iCAF-like s1	TIMP3
CAFs MSC iCAF-like s1	ABCA6
CAFs MSC iCAF-like s1	CYP1B1
CAFs MSC iCAF-like s1	CD63
CAFs MSC iCAF-like s1	C7
CAFs MSC iCAF-like s1	PRRX1
CAFs MSC iCAF-like s1	PRELP
CAFs MSC iCAF-like s1	ALDH1A1
CAFs MSC iCAF-like s1	GPX3
CAFs MSC iCAF-like s1	FOS
CAFs MSC iCAF-like s1	WISP2
CAFs MSC iCAF-like s1	THBS2
CAFs MSC iCAF-like s1	CRISPLD2
CAFs MSC iCAF-like s1	CPE
CAFs MSC iCAF-like s1	TCF4
CAFs MSC iCAF-like s1	ITM2A
CAFs MSC iCAF-like s1	C10orf10
CAFs MSC iCAF-like s1	SSPN
CAFs MSC iCAF-like s1	RND3

CAFs MSC iCAF-like s1	LGALS3BP
CAFs MSC iCAF-like s1	HSPB6
CAFs MSC iCAF-like s1	JUN
CAFs MSC iCAF-like s1	SVEP1
CAFs MSC iCAF-like s1	ID3
CAFs MSC iCAF-like s1	LAMA2
CAFs MSC iCAF-like s1	ELN
CAFs MSC iCAF-like s1	GGT5
CAFs MSC iCAF-like s1	PDGFRA
CAFs MSC iCAF-like s1	MDK
CAFs MSC iCAF-like s1	SMOC2
CAFs MSC iCAF-like s1	SERPINE2
CAFs MSC iCAF-like s1	EFEMP2
CAFs MSC iCAF-like s1	TFPI
CAFs MSC iCAF-like s1	THY1
CAFs MSC iCAF-like s1	IGFBP7
CAFs MSC iCAF-like s1	RARRES1
CAFs MSC iCAF-like s1	SLIT3
CAFs MSC iCAF-like s1	CYBRD1
CAFs MSC iCAF-like s1	TNFAIP6
CAFs MSC iCAF-like s1	COL5A2
CAFs MSC iCAF-like s1	F2R
CAFs MSC iCAF-like s1	FIGF
CAFs MSC iCAF-like s1	CST3
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CAFs MSC iCAF-like s1	LGALS1
CAFs MSC iCAF-like s1	LGALS3
CAFs MSC iCAF-like s1	SGCE
CAFs MSC iCAF-like s1	SELM
CAFs MSC iCAF-like s1	IFITM3
CAFs MSC iCAF-like s1	MFAP2
CAFs MSC iCAF-like s1	TMEM98
CAFs MSC iCAF-like s1	SPARC
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CAFs MSC iCAF-like s1	FHL1
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CAFs MSC iCAF-like s1	RSPO3
CAFs MSC iCAF-like s1	POSTN
CAFs MSC iCAF-like s1	LTBP4
CAFs MSC iCAF-like s1	SPRY1
CAFs MSC iCAF-like s1	FBN1
CAFs MSC iCAF-like s1	AKAP12
CAFs MSC iCAF-like s1	PLAGL1
CAFs MSC iCAF-like s1	SCPEP1
CAFs MSC iCAF-like s1	MXRA5
CAFs MSC iCAF-like s1	ABI3BP

CAFs MSC iCAF-like s1	PLXDC1
CAFs MSC iCAF-like s1	PPIC
CAFs MSC iCAF-like s1	TCF7L2
CAFs MSC iCAF-like s1	MFAP5
CAFs MSC iCAF-like s1	NBL1
CAFs MSC iCAF-like s1	KCNQ1OT1
CAFs MSC iCAF-like s1	CDH11
CAFs MSC iCAF-like s1	SFRP1
CAFs MSC iCAF-like s1	PDGFRB
CAFs MSC iCAF-like s1	KLF4
CAFs MSC iCAF-like s1	BOC
CAFs MSC iCAF-like s1	FGFR1
CAFs MSC iCAF-like s1	NID1
CAFs MSC iCAF-like s1	LEPR
CAFs MSC iCAF-like s1	FAP
CAFs MSC iCAF-like s1	GLT8D2
CAFs MSC iCAF-like s1	FMO2
CAFs MSC iCAF-like s1	RCN3
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CAFs MSC iCAF-like s1	RGMA
CAFs MSC iCAF-like s1	NGFRAP1
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CAFs MSC iCAF-like s1	RNASE4
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CAFs MSC iCAF-like s1	PLXDC2
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CAFs MSC iCAF-like s1	CILP
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CAFs MSC iCAF-like s1	STEAP1
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CAFs MSC iCAF-like s1	ADGRA2
CAFs MSC iCAF-like s1	PHLDB1
CAFs MSC iCAF-like s1	BDH2
CAFs MSC iCAF-like s1	PRNP
CAFs MSC iCAF-like s1	ADAM12
CAFs MSC iCAF-like s1	ABCA9
CAFs MSC iCAF-like s1	ANTXR1
CAFs MSC iCAF-like s1	FKBP10
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CAFs MSC iCAF-like s1	CLMP
CAFs MSC iCAF-like s1	FAM20A
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CAFs MSC iCAF-like s1	ANXA5
CAFs MSC iCAF-like s1	ADH5
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CAFs MSC iCAF-like s1	C12orf57
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CAFs MSC iCAF-like s1	NPC2
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CAFs MSC iCAF-like s1	SH3PXD2B

CAFs MSC iCAF-like s1	SCARA5
CAFs MSC iCAF-like s1	KLF9
CAFs MSC iCAF-like s1	FXYD6
CAFs MSC iCAF-like s1	PDPN
CAFs MSC iCAF-like s1	UACA
CAFs MSC iCAF-like s1	PPFIBP1
CAFs MSC iCAF-like s1	ECM1
CAFs MSC iCAF-like s1	ECM2
CAFs MSC iCAF-like s1	TUBA1A
CAFs MSC iCAF-like s1	GULP1
CAFs MSC iCAF-like s1	OLFML1
CAFs MSC iCAF-like s1	FN1
CAFs MSC iCAF-like s1	LTBP3
CAFs MSC iCAF-like s2	APOD
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CAFs MSC iCAF-like s2	COL1A1
CAFs MSC iCAF-like s2	IGF2
CAFs MSC iCAF-like s2	C1R
CAFs MSC iCAF-like s2	CALD1
CAFs MSC iCAF-like s2	IGFBP4
CAFs MSC iCAF-like s2	GSN
CAFs MSC iCAF-like s2	COL6A3
CAFs MSC iCAF-like s2	SPON2
CAFs MSC iCAF-like s2	TNFAIP6
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CAFs MSC iCAF-like s2	MXRA8
CAFs MSC iCAF-like s2	MFAP4
CAFs MSC iCAF-like s2	CCL2
CAFs MSC iCAF-like s2	MMP2
CAFs MSC iCAF-like s2	FOS
CAFs MSC iCAF-like s2	ITM2A
CAFs MSC iCAF-like s2	FBLN1
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CAFs MSC iCAF-like s2	CYP1B1
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CAFs MSC iCAF-like s2	CCDC80
CAFs MSC iCAF-like s2	PRRX1
CAFs MSC iCAF-like s2	MT2A
CAFs MSC iCAF-like s2	IFITM3
CAFs MSC iCAF-like s2	RGS16
CAFs MSC iCAF-like s2	FXYD1
CAFs MSC iCAF-like s2	VCAN
CAFs MSC iCAF-like s2	SERPINE1
CAFs MSC iCAF-like s2	CD63
CAFs MSC iCAF-like s2	POSTN
CAFs MSC iCAF-like s2	COL5A2
CAFs MSC iCAF-like s2	IGFBP6
CAFs MSC iCAF-like s2	CPE
CAFs MSC iCAF-like s2	PDGFRB
CAFs MSC iCAF-like s2	IGFBP7
CAFs MSC iCAF-like s2	MDK
CAFs MSC iCAF-like s2	FN1
CAFs MSC iCAF-like s2	DLK1
CAFs MSC iCAF-like s2	CRISPLD2
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CAFs MSC iCAF-like s2	DPT
CAFs MSC iCAF-like s2	PMP22
CAFs MSC iCAF-like s2	TCF4
CAFs MSC iCAF-like s2	LGALS3BP
CAFs MSC iCAF-like s2	CTHRC1

CAFs MSC iCAF-like s2	GGT5
CAFs MSC iCAF-like s2	FSTL1
CAFs MSC iCAF-like s2	EFEMP2
CAFs MSC iCAF-like s2	F2R
CAFs MSC iCAF-like s2	NR4A1
CAFs MSC iCAF-like s2	GADD45B
CAFs MSC iCAF-like s2	HSPA1A
CAFs MSC iCAF-like s2	SOD3
CAFs MSC iCAF-like s2	CFH
CAFs MSC iCAF-like s2	PDGFRA
CAFs MSC iCAF-like s2	LAMB1
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CAFs MSC iCAF-like s2	ID3
CAFs MSC iCAF-like s2	FOSB
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CAFs MSC iCAF-like s2	APOE
CAFs MSC iCAF-like s2	SELM
CAFs MSC iCAF-like s2	PLTP
CAFs MSC iCAF-like s2	CLEC11A
CAFs MSC iCAF-like s2	NID1
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CAFs MSC iCAF-like s2	TAC1
CAFs MSC iCAF-like s2	RGMA
CAFs MSC iCAF-like s2	PLAC9
CAFs MSC iCAF-like s2	SOD2
CAFs MSC iCAF-like s2	SPRY1
CAFs MSC iCAF-like s2	FXVD6
CAFs MSC iCAF-like s2	PLEKHH2
CAFs MSC iCAF-like s2	MMP14
CAFs MSC iCAF-like s2	MMP11
CAFs MSC iCAF-like s2	VIM
CAFs MSC iCAF-like s2	KCNQ1OT1
CAFs MSC iCAF-like s2	PDGFRL
CAFs MSC iCAF-like s2	CDH11
CAFs MSC iCAF-like s2	MXRA5
CAFs MSC iCAF-like s2	FRZB
CAFs MSC iCAF-like s2	TIMP2
CAFs MSC iCAF-like s2	HTRA1
CAFs MSC iCAF-like s2	ADAM12
CAFs MSC iCAF-like s2	TUBA1A
CAFs MSC iCAF-like s2	NR2F1
CAFs MSC iCAF-like s2	SSPN

CAFs MSC iCAF-like s2	LAMA4
CAFs MSC iCAF-like s2	KLF4
CAFs MSC iCAF-like s2	ABI3BP
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CAFs MSC iCAF-like s2	TMEM98
CAFs MSC iCAF-like s2	C11orf96
CAFs MSC iCAF-like s2	COL4A1
CAFs MSC iCAF-like s2	LGALS3
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CAFs MSC iCAF-like s2	SERPINE2
CAFs MSC iCAF-like s2	PCDH18
CAFs MSC iCAF-like s2	PTN
CAFs MSC iCAF-like s2	UACA
CAFs MSC iCAF-like s2	HSPA1B
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CAFs MSC iCAF-like s2	ARC
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CAFs MSC iCAF-like s2	GPM6B
CAFs MSC iCAF-like s2	EGR2
CAFs MSC iCAF-like s2	EMILIN1
CAFs MSC iCAF-like s2	PALLD
CAFs MSC iCAF-like s2	ABCA6
CAFs MSC iCAF-like s2	GPC3
CAFs MSC iCAF-like s2	FILIP1L
CAFs MSC iCAF-like s2	PPIC
CAFs MSC iCAF-like s2	CCL8
CAFs MSC iCAF-like s2	VCAM1
CAFs MSC iCAF-like s2	SGCE
CAFs MSC iCAF-like s2	EID1
CAFs MSC iCAF-like s2	CD81
CAFs MSC iCAF-like s2	GBP1
CAFs MSC iCAF-like s2	SH3PXD2B
CAFs MSC iCAF-like s2	NGFRAP1
CAFs MSC iCAF-like s2	SERPINH1
CAFs MSC iCAF-like s2	GLT8D2
CAFs MSC iCAF-like s2	EFEMP1
CAFs MSC iCAF-like s2	RBP5
CAFs MSC iCAF-like s2	CRTAP
CAFs MSC iCAF-like s2	MRC2
CAFs MSC iCAF-like s2	MAFF
CAFs MSC iCAF-like s2	FAP
CAFs MSC iCAF-like s2	BICC1
CAFs MSC iCAF-like s2	COL5A1
CAFs MSC iCAF-like s2	TGFBI
CAFs MSC iCAF-like s2	ARID5B
CAFs MSC iCAF-like s2	ITGB1

CAFs MSC iCAF-like s2	SPARCL1
CAFs MSC iCAF-like s2	CNN3
CAFs MSC iCAF-like s2	ADAMTS12
CAFs MSC iCAF-like s2	FGFR1
CAFs MSC iCAF-like s2	ZBTB20
CAFs MSC iCAF-like s2	RP11-14N7.2
CAFs MSC iCAF-like s2	ADD3
CAFs MSC iCAF-like s2	PTGES
CAFs MSC iCAF-like s2	COLEC12
CAFs MSC iCAF-like s2	VGLL4
CAFs MSC iCAF-like s2	LAMA2
CAFs MSC iCAF-like s2	MEIS2
CAFs MSC iCAF-like s2	WSB1
CAFs MSC iCAF-like s2	RBMS3
CAFs MSC iCAF-like s2	LDB2
CAFs MSC iCAF-like s2	FBN1
CAFs MSC iCAF-like s2	SERTAD1
CAFs MSC iCAF-like s2	IFI27
CAFs MSC iCAF-like s2	MMP19
CAFs MSC iCAF-like s2	LTBP4
CAFs MSC iCAF-like s2	S100A13
CAFs MSC iCAF-like s2	ECM1
CAFs MSC iCAF-like s2	CST3
CAFs MSC iCAF-like s2	MIR99AHG
CAFs MSC iCAF-like s2	NFIA
CAFs MSC iCAF-like s2	GPNMB
CAFs MSC iCAF-like s2	FAM20A
CAFs MSC iCAF-like s2	MT1M
CAFs MSC iCAF-like s2	SVIL
CAFs MSC iCAF-like s2	TMEM119
CAFs MSC iCAF-like s2	FAM46A
CAFs MSC iCAF-like s2	EPHX1
CAFs MSC iCAF-like s2	ANGPTL2
CAFs MSC iCAF-like s2	FCGRT
CAFs MSC iCAF-like s2	C12orf57
CAFs MSC iCAF-like s2	KLK1
CAFs MSC iCAF-like s2	GALNT16
CAFs MSC iCAF-like s2	NFIC
CAFs MSC iCAF-like s2	CDKN1C
CAFs MSC iCAF-like s2	CEBPD
CAFs MSC iCAF-like s2	ASPN
CAFs MSC iCAF-like s2	PRKCDBP
CAFs MSC iCAF-like s2	COL14A1
CAFs MSC iCAF-like s2	GAS7
CAFs MSC iCAF-like s2	MARCKS
CAFs Transitioning s3	SFRP2
CAFs Transitioning s3	LUM
CAFs Transitioning s3	COL3A1
CAFs Transitioning s3	COL1A2
CAFs Transitioning s3	COL1A1
CAFs Transitioning s3	DCN
CAFs Transitioning s3	MMP11

CAFs Transitioning s3	CTHRC1
CAFs Transitioning s3	SFRP4
CAFs Transitioning s3	CCDC80
CAFs Transitioning s3	CXCL14
CAFs Transitioning s3	POSTN
CAFs Transitioning s3	CTGF
CAFs Transitioning s3	COL6A3
CAFs Transitioning s3	CTSK
CAFs Transitioning s3	C1S
CAFs Transitioning s3	MMP2
CAFs Transitioning s3	COL6A2
CAFs Transitioning s3	APOD
CAFs Transitioning s3	AEBP1
CAFs Transitioning s3	COL6A1
CAFs Transitioning s3	SPARC
CAFs Transitioning s3	RARRES2
CAFs Transitioning s3	BGN
CAFs Transitioning s3	SERPINF1
CAFs Transitioning s3	TIMP1
CAFs Transitioning s3	FBLN1
CAFs Transitioning s3	MXRA8
CAFs Transitioning s3	FN1
CAFs Transitioning s3	C1R
CAFs Transitioning s3	CYR61
CAFs Transitioning s3	VCAN
CAFs Transitioning s3	COL5A2
CAFs Transitioning s3	ISLR
CAFs Transitioning s3	C3
CAFs Transitioning s3	GSN
CAFs Transitioning s3	MFAP4
CAFs Transitioning s3	IGF2
CAFs Transitioning s3	HTRA1
CAFs Transitioning s3	IGFBP4
CAFs Transitioning s3	ASPN
CAFs Transitioning s3	SPON2
CAFs Transitioning s3	MFAP2
CAFs Transitioning s3	SERPING1
CAFs Transitioning s3	THY1
CAFs Transitioning s3	PCOLCE
CAFs Transitioning s3	COL14A1
CAFs Transitioning s3	IGFBP6
CAFs Transitioning s3	FBLN2
CAFs Transitioning s3	IGF1
CAFs Transitioning s3	EFEMP1
CAFs Transitioning s3	FSTL1
CAFs Transitioning s3	MEG3
CAFs Transitioning s3	DPT
CAFs Transitioning s3	THBS2
CAFs Transitioning s3	CFD
CAFs Transitioning s3	COL5A1
CAFs Transitioning s3	CXCL12
CAFs Transitioning s3	PTGDS

CAFs Transitioning s3	CALD1
CAFs Transitioning s3	MFAP5
CAFs Transitioning s3	NNMT
CAFs Transitioning s3	PPIC
CAFs Transitioning s3	TIMP2
CAFs Transitioning s3	LGALS1
CAFs Transitioning s3	PDGFRL
CAFs Transitioning s3	LRP1
CAFs Transitioning s3	IGFBP7
CAFs Transitioning s3	COL12A1
CAFs Transitioning s3	MMP14
CAFs Transitioning s3	MXRA5
CAFs Transitioning s3	OLFML3
CAFs Transitioning s3	MDK
CAFs Transitioning s3	ELN
CAFs Transitioning s3	COL10A1
CAFs Transitioning s3	PMP22
CAFs Transitioning s3	HTRA3
CAFs Transitioning s3	CFH
CAFs Transitioning s3	FBN1
CAFs Transitioning s3	GEM
CAFs Transitioning s3	CLEC11A
CAFs Transitioning s3	NBL1
CAFs Transitioning s3	PRRX1
CAFs Transitioning s3	CD63
CAFs Transitioning s3	PODN
CAFs Transitioning s3	CDH11
CAFs Transitioning s3	EFEMP2
CAFs Transitioning s3	LAPTM4A
CAFs Transitioning s3	FAP
CAFs Transitioning s3	ID3
CAFs Transitioning s3	CYP1B1
CAFs Transitioning s3	PI16
CAFs Transitioning s3	COMP
CAFs Transitioning s3	LGALS3BP
CAFs Transitioning s3	PALLD
CAFs Transitioning s3	SRPX
CAFs Transitioning s3	CD99
CAFs Transitioning s3	PLAC9
CAFs Transitioning s3	WISP2
CAFs Transitioning s3	TIMP3
CAFs Transitioning s3	MGP
CAFs Transitioning s3	CILP
CAFs Transitioning s3	FGF7
CAFs Transitioning s3	CST3
CAFs Transitioning s3	SERPINH1
CAFs Transitioning s3	TMEM176B
CAFs Transitioning s3	COL8A1
CAFs Transitioning s3	PRSS23
CAFs Transitioning s3	ANTXR1
CAFs Transitioning s3	SERPINE2
CAFs Transitioning s3	FBLN5

CAFs Transitioning s3	F2R
CAFs Transitioning s3	GPNMB
CAFs Transitioning s3	RCN3
CAFs Transitioning s3	LHFP
CAFs Transitioning s3	ADAM12
CAFs Transitioning s3	TCF4
CAFs Transitioning s3	PRELP
CAFs Transitioning s3	GGT5
CAFs Transitioning s3	SSPN
CAFs Transitioning s3	MRC2
CAFs Transitioning s3	CRISPLD2
CAFs Transitioning s3	TMEM119
CAFs Transitioning s3	ITGBL1
CAFs Transitioning s3	IFITM3
CAFs Transitioning s3	DIO2
CAFs Transitioning s3	TNFAIP6
CAFs Transitioning s3	CD248
CAFs Transitioning s3	OGN
CAFs Transitioning s3	OLFML2B
CAFs Transitioning s3	SMOC2
CAFs Transitioning s3	EMILIN1
CAFs Transitioning s3	PDGFRB
CAFs Transitioning s3	SELM
CAFs Transitioning s3	CPE
CAFs Transitioning s3	MMP3
CAFs Transitioning s3	SULF1
CAFs Transitioning s3	CERCAM
CAFs Transitioning s3	CPXM1
CAFs Transitioning s3	THBS4
CAFs Transitioning s3	THBS1
CAFs Transitioning s3	LOXL1
CAFs Transitioning s3	PDGFRA
CAFs Transitioning s3	EGR1
CAFs Transitioning s3	COL16A1
CAFs Transitioning s3	SERPINE1
CAFs Transitioning s3	TMEM98
CAFs Transitioning s3	PLXDC2
CAFs Transitioning s3	GLT8D2
CAFs Transitioning s3	TSPAN4
CAFs Transitioning s3	ITGB5
CAFs Transitioning s3	TMEM176A
CAFs Transitioning s3	KCNQ1OT1
CAFs Transitioning s3	LAMA2
CAFs Transitioning s3	GAS6
CAFs Transitioning s3	CYBRD1
CAFs Transitioning s3	FKBP10
CAFs Transitioning s3	COL11A1
CAFs Transitioning s3	FRZB
CAFs Transitioning s3	FXVD1
CAFs Transitioning s3	PLPP3
CAFs Transitioning s3	LTBP2
CAFs Transitioning s3	Sep-11

CAFs Transitioning s3	INHBA
CAFs Transitioning s3	ANGPTL2
CAFs Transitioning s3	ALDH1A1
CAFs Transitioning s3	RARRES1
CAFs Transitioning s3	GPC3
CAFs Transitioning s3	SVEP1
CAFs Transitioning s3	NR2F1
CAFs Transitioning s3	NID1
CAFs Transitioning s3	PPIB
CAFs Transitioning s3	CNN3
CAFs Transitioning s3	DPYSL3
CAFs Transitioning s3	LOX
CAFs Transitioning s3	TNXB
CAFs Transitioning s3	RUNX1T1
CAFs Transitioning s3	WBP5
CAFs Transitioning s3	PTRF
CAFs Transitioning s3	RBMS3
CAFs Transitioning s3	LTBP4
CAFs Transitioning s3	NGFRAP1
CAFs Transitioning s3	NUPR1
CAFs Transitioning s3	NREP
CAFs Transitioning s3	ECM1
CAFs Transitioning s3	SOD3
CAFs Transitioning s3	AKAP12
CAFs Transitioning s3	FMO1
CAFs Transitioning s3	ABI3BP
CAFs Transitioning s3	TAGLN
CAFs Transitioning s3	SVIL
CAFs Transitioning s3	CALU
CAFs Transitioning s3	RGS16
CAFs Transitioning s3	CHPF
CAFs Transitioning s3	IGFBP5
CAFs Transitioning s3	CD81
CAFs Transitioning s3	SPARCL1
CAFs Transitioning s3	LIMA1
CAFs Transitioning s3	MAFB
CAFs Transitioning s3	LRRC17
CAFs Transitioning s3	ANXA5
CAFs Transitioning s3	S100A13
CAFs Transitioning s3	C7
CAFs Transitioning s3	ADD3
CAFs Transitioning s3	MMP23B
CAFs Transitioning s3	SGCE
CAFs Transitioning s3	CTSF
CAFs Transitioning s3	GPX8
CAFs Transitioning s3	LAMA4
CAFs Transitioning s3	BOC
CAFs Transitioning s3	PRKCDBP
CAFs Transitioning s3	ZFHX4
CAFs Transitioning s3	S100A6
CAFs Transitioning s3	LGALS3
CAFs Transitioning s3	PLTP

CAFs Transitioning s3	FGFR1
CAFs Transitioning s3	PAM
CAFs Transitioning s3	ABCA6
CAFs Transitioning s3	C10orf10
CAFs Transitioning s3	COL18A1
CAFs Transitioning s3	MFGE8
CAFs Transitioning s3	LAMB1
CAFs Transitioning s3	OMD
CAFs Transitioning s3	CRTAP
CAFs Transitioning s3	MYL9
CAFs Transitioning s3	MIR99AHG
CAFs Transitioning s3	IFI27
CAFs Transitioning s3	SEPP1
CAFs Transitioning s3	SLIT3
CAFs Transitioning s3	UACA
CAFs Transitioning s3	HCFC1R1
CAFs Transitioning s3	RAB31
CAFs Transitioning s3	MARCKS
CAFs Transitioning s3	OSTC
CAFs Transitioning s3	FIBIN
CAFs Transitioning s3	GAS1
CAFs Transitioning s3	ABCA8
CAFs Transitioning s3	IFI6
CAFs Transitioning s3	ADAMTS2
CAFs Transitioning s3	COL15A1
CAFs Transitioning s3	PDPN
CAFs Transitioning s3	PLXDC1
CAFs Transitioning s3	SPON1
CAFs Transitioning s3	ITGB1
CAFs Transitioning s3	VIM
CAFs Transitioning s3	C11orf96
CAFs Transitioning s3	EID1
CAFs Transitioning s3	RND3
CAFs Transitioning s3	FILIP1L
CAFs Transitioning s3	LAMB2
CAFs Transitioning s3	EMP1
CAFs Transitioning s3	FRMD6
CAFs Transitioning s3	SLIT2
CAFs Transitioning s3	SCPEP1
CAFs Transitioning s3	PDLIM7
CAFs Transitioning s3	RRBP1
CAFs Transitioning s3	PPFIBP1
CAFs Transitioning s3	FKBP9
CAFs Transitioning s3	KDEL3
CAFs Transitioning s3	ITM2A
CAFs Transitioning s3	CPQ
CAFs Transitioning s3	LTBP3
CAFs Transitioning s3	CYB5R3
CAFs Transitioning s3	ARF4
CAFs Transitioning s3	FAM114A1
CAFs Transitioning s3	LXN
CAFs Transitioning s3	LY6E

CAFs Transitioning s3	LRRC15
CAFs Transitioning s3	ITM2B
CAFs Transitioning s3	TCF7L2
CAFs Transitioning s3	BICC1
CAFs Transitioning s3	TPM2
CAFs Transitioning s3	RAB34
CAFs Transitioning s3	DAB2
CAFs Transitioning s3	PLS3
CAFs Transitioning s3	CLMP
CAFs Transitioning s3	SPHK1
CAFs Transitioning s3	WNT2
CAFs Transitioning s3	ECM2
CAFs Transitioning s3	PTK7
CAFs Transitioning s3	PDLIM2
CAFs Transitioning s3	VKORC1
CAFs Transitioning s3	MEIS2
CAFs Transitioning s3	PLEKHH2
CAFs Transitioning s3	TPBG
CAFs Transitioning s3	CCL2
CAFs Transitioning s3	PHLDB1
CAFs Transitioning s3	INAFM1
CAFs Transitioning s3	TGFB3
CAFs Transitioning s3	GAS7
CAFs Transitioning s3	PKIG
CAFs Transitioning s3	HMCN1
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CAFs Transitioning s3	RP11-14N7.2
CAFs Transitioning s3	SPATS2L
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CAFs Transitioning s3	ADH1B
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CAFs Transitioning s3	CD276
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CAFs Transitioning s3	TMEM204
CAFs Transitioning s3	GOLIM4
CAFs Transitioning s3	WWTR1
CAFs Transitioning s3	AXL
CAFs Transitioning s3	PLAGL1
CAFs Transitioning s3	LEPROT
CAFs Transitioning s3	OAF
CAFs Transitioning s3	RCN1
CAFs Transitioning s3	FHL1
CAFs Transitioning s3	TMEM45A
CAFs Transitioning s3	SDC2
CAFs Transitioning s3	ZBTB20

CAFs Transitioning s3	NDN
CAFs Transitioning s3	PARVA
CAFs Transitioning s3	LAMP5
CAFs Transitioning s3	TPST1
CAFs Transitioning s3	C1QTNF6
CAFs Transitioning s3	PLPP1
CAFs Transitioning s3	DDR2
CAFs Transitioning s3	ITGA11
CAFs Transitioning s3	RPS27L
CAFs Transitioning s3	TGFB111
CAFs Transitioning s3	MAP1A
CAFs myCAF like s4	COL3A1
CAFs myCAF like s4	COL1A1
CAFs myCAF like s4	COL1A2
CAFs myCAF like s4	COL6A2
CAFs myCAF like s4	TIMP1
CAFs myCAF like s4	POSTN
CAFs myCAF like s4	LUM
CAFs myCAF like s4	APOD
CAFs myCAF like s4	BGN
CAFs myCAF like s4	COL6A1
CAFs myCAF like s4	SPARC
CAFs myCAF like s4	MMP11
CAFs myCAF like s4	DCN
CAFs myCAF like s4	FN1
CAFs myCAF like s4	THY1
CAFs myCAF like s4	COL6A3
CAFs myCAF like s4	PCOLCE
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CAFs myCAF like s4	CXCL10
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CAFs myCAF like s4	COL5A2
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CAFs myCAF like s4	IGFBP7
CAFs myCAF like s4	TNFAIP6
CAFs myCAF like s4	COL4A2
CAFs myCAF like s4	COL5A1

CAFs myCAF like s4	CXCL9
CAFs myCAF like s4	FSTL1
CAFs myCAF like s4	CD63
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CAFs myCAF like s4	IGFBP4
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CAFs myCAF like s4	FBLN1
CAFs myCAF like s4	EMILIN1
CAFs myCAF like s4	PMP22
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CAFs myCAF like s4	CRISPLD2
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CAFs myCAF like s4	TAGLN
CAFs myCAF like s4	TMEM98
CAFs myCAF like s4	TGFB111
CAFs myCAF like s4	CNN3
CAFs myCAF like s4	TPM1
CAFs myCAF like s4	RGS16
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CAFs myCAF like s4	RUNX1T1
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CAFs myCAF like s4	HTRA1
CAFs myCAF like s4	SERPINE1
CAFs myCAF like s4	TGFBI
CAFs myCAF like s4	PRKCDBP
CAFs myCAF like s4	NDUFA4L2

CAFs myCAF like s4	CYR61
CAFs myCAF like s4	BMP1
CAFs myCAF like s4	COX7A1
CAFs myCAF like s4	MRC2
CAFs myCAF like s4	INHBA
CAFs myCAF like s4	VIM
CAFs myCAF like s4	PDGFRA
CAFs myCAF like s4	OSTC
CAFs myCAF like s4	COL10A1
CAFs myCAF like s4	KCNQ1OT1
CAFs myCAF like s4	TMEM176A
CAFs myCAF like s4	ECM1
CAFs myCAF like s4	LAMB1
CAFs myCAF like s4	COL5A3
CAFs myCAF like s4	ANTXR1
CAFs myCAF like s4	NOTCH3
CAFs myCAF like s4	SPARCL1
CAFs myCAF like s4	MFAP4
CAFs myCAF like s4	PPIB
CAFs myCAF like s4	CCDC102B
CAFs myCAF like s4	GRP
CAFs myCAF like s4	INAFM1
CAFs myCAF like s4	ID3
CAFs myCAF like s4	IFIT3
CAFs myCAF like s4	GUCY1A3
CAFs myCAF like s4	NGFRAP1
CAFs myCAF like s4	Sep-11
CAFs myCAF like s4	CHN1
CAFs myCAF like s4	PLPP3
CAFs myCAF like s4	EDNRA
CAFs myCAF like s4	CRTAP
CAFs myCAF like s4	TPM4
CAFs myCAF like s4	COL11A1
CAFs myCAF like s4	PCDH18
CAFs myCAF like s4	SGCE
CAFs myCAF like s4	EGR1
CAFs myCAF like s4	ISG15
CAFs myCAF like s4	HSPA6
CAFs myCAF like s4	MARCKS
CAFs myCAF like s4	GBP1
CAFs myCAF like s4	PDGFRL
CAFs myCAF like s4	FILIP1L
CAFs myCAF like s4	GLT8D2
CAFs myCAF like s4	PHACTR2
CAFs myCAF like s4	NBL1
CAFs myCAF like s4	FRZB
CAFs myCAF like s4	SPHK1
CAFs myCAF like s4	ANXA5
CAFs myCAF like s4	RND3
CAFs myCAF like s4	EID1
CAFs myCAF like s4	RHOC
CAFs myCAF like s4	ANGPTL2

CAFs myCAF like s4	PTRF
CAFs myCAF like s4	NR2F2
CAFs myCAF like s4	HES1
CAFs myCAF like s4	PXDN
CAFs myCAF like s4	CPQ
CAFs myCAF like s4	CYGB
CAFs myCAF like s4	TGFB3
CAFs myCAF like s4	ADGRA2
CAFs myCAF like s4	WNT2
CAFs myCAF like s4	FKBP7
CAFs myCAF like s4	PLEKHH2
CAFs myCAF like s4	FXYD6
CAFs myCAF like s4	SEPP1
CAFs myCAF like s4	TFPI
CAFs myCAF like s4	FMO1
CAFs myCAF like s4	TMEM204
CAFs myCAF like s4	CPXM1
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CAFs myCAF like s4	SOX4
CAFs myCAF like s4	ADAMTS2
CAFs myCAF like s4	A2M
CAFs myCAF like s4	RBP1
CAFs myCAF like s4	EGFLAM
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CAFs myCAF like s4	RAB34
CAFs myCAF like s4	SPRY1
CAFs myCAF like s4	SRPX2
CAFs myCAF like s4	MFAP5
CAFs myCAF like s4	PDLIM7
CAFs myCAF like s4	COL16A1
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CAFs myCAF like s4	LAMC1
CAFs myCAF like s4	PLAGL1
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CAFs myCAF like s4	P4HB
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CAFs myCAF like s4	COL14A1
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CAFs myCAF like s4	GPX8
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CAFs myCAF like s4	SERPINE2
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CAFs myCAF like s5	SFRP2
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CAFs myCAF like s5	CTHRC1
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