

**Supplementary Table 1:** Details of genes used in signaling pathways.

<b>SIGNALING PATHWAYS</b>	<b>GENES</b>
MyCAF	ACTA2, TAGLN, MMP11, MYL9, HOPX, POSTN, TPM1, TPM2
iCAF	IL6, PDGFRA, CXCL12, CFD, DPT, LMNA, AGTR1, HAS1, CXCL1, CXCL2, CCL2, CXCL8
Extended Immune signature (EIG)	CD3D, IDO1 , CIITA , CD3E, CCL5, GZMK, CD2, HLA-DRA, CXCL13, IL2RG, NKG7, HLA.E, CXCR6, LAG3, TAGAP, CXCL10 , STAT1 , GZMB
T-score	CD3E, CD3G, CD3D
CXCL	CXCL9, CXCL10, CXCL11