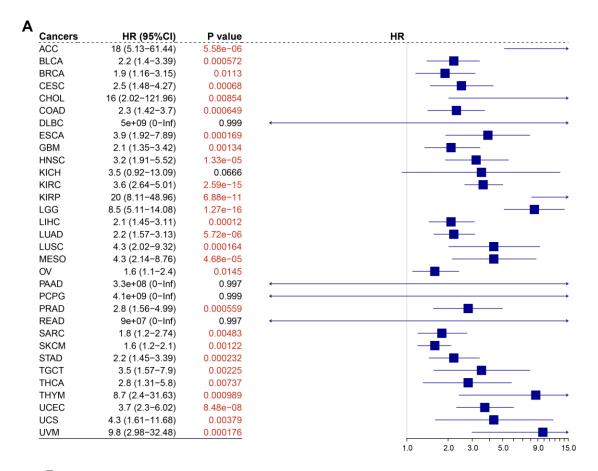


Figure S1 The differential expressed CSC-related genes in COAD and other cancers in TCGA. Thirty-four out of 206 selected CSC-related genes were differentially expressed in CRC tissues as compared with normal tissues (A), as well as in other cancers (B). (C) The expression of MMP1 in pan-cancer.



Study	HR (95%CI)	P value	HR
GSE13507	16 (0-956108.42)	0.619	~
GSE4412	6.7 (1.38-32.62)	0.0184	
GSE21653	1.4 (0.25-7.47)	0.721	-
GSE41258	4.9 (1.85-13.09)	0.00141	-
GSE84437	1.2 (0.49-2.8)	0.721	
GSE42127	1.3 (0.21-8.17)	0.771	-
GSE23554	0.12 (0-3.42)	0.213	•
GSE57495	2.4 (0.36-15.75)	0.363	-
	GSE4412 GSE21653 GSE41258 GSE84437 GSE42127 GSE23554	GSE4412 6.7 (1.38–32.62) GSE21653 1.4 (0.25–7.47) GSE41258 4.9 (1.85–13.09) GSE84437 1.2 (0.49–2.8) GSE42127 1.3 (0.21–8.17) GSE23554 0.12 (0–3.42)	GSE4412 6.7 (1.38-32.62) 0.0184 GSE21653 1.4 (0.25-7.47) 0.721 GSE41258 4.9 (1.85-13.09) 0.00141 GSE84437 1.2 (0.49-2.8) 0.721 GSE42127 1.3 (0.21-8.17) 0.771 GSE23554 0.12 (0-3.42) 0.213

Figure S2 The differences in survival outcome were observed between subtypes classified based on the expression of DEGs in patients with diverse types of cancer in TCGA database (Figure S2A) and GEO datasets (Figure S2B)

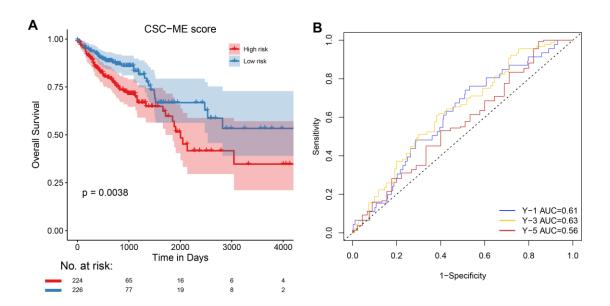


Figure S3 (A) Kaplan-Meier survival curve showing overall survival probability of high-risk or low-risk subgroups. (B) The 1-year, 3-year, and 5-year overall survival ROC curves are predicted by the signature

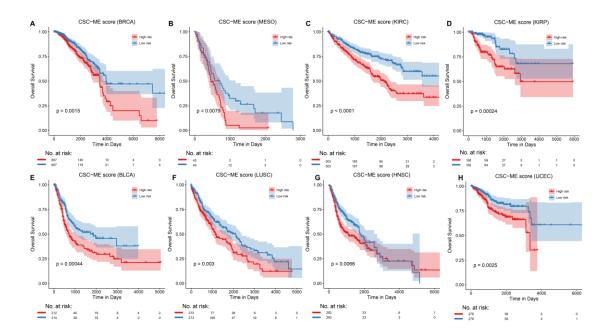


Figure S4 Survival curves (OS) of high-risk and low-risk groups in pan-cancer.