

Table SI. Probe sequences.

Gene	Sequence (5'→3')
<i>EpCAM</i>	TGGTGCTCGTTGATGAGTCA AGCCAGCTTTGAGCAAATGA AAAGCCCATCATTGTTCTGG CTCTCATCGCAGTCAGGATC TCCTTGTCTGTTCTTCTGAC CTCAGAGCAGGTTATTTTCAG
<i>OCT4</i>	GGGTTCTTGATCGGCAAATA ATCCAACCTCGCAGTTCAATG AAATCAATCCCCACTCCGAC ACCAACTTTATACTTGTCGC GGCGAAGAAGAGAGCCTGAA AAATGTCCGAATACTCCTGC TTTCTTCCTAGCTTAGAGTC GCATACAACTGTTAGCGAGC

Table SII. Cox regression models of radiographic progression-free survival.

A, Univariate				
Variable	P-value	HR	95% CI	
			Lower	Upper
CTC ⁺ /OCT4 ⁺ vs. CTC ⁺ /OCT4 ⁻ or CTC ⁻	<0.001	3.578	1.777	7.204
Age, ≥70 vs. <70 years	0.242	1.483	0.767	2.867
History of prostatectomy, yes vs. no	0.641	0.855	0.443	1.652
History of radiotherapy, yes vs. no	0.454	1.293	0.659	2.537
History of other therapy, yes vs. no	0.510	0.671	0.205	2.197
Gleason score at initial diagnosis, ≥7 vs. <7	0.300	1.435	0.725	2.843
ECOG PS score, 1 vs. 0	0.071	1.885	0.947	3.751
Bone metastasis, yes vs. no	0.695	0.811	0.285	2.312
Lymph node metastasis, yes vs. no	0.702	1.138	0.587	2.209
Soft tissue metastasis, yes vs. no	0.783	1.144	0.438	2.987
Visceral metastasis, yes vs. no	0.145	1.805	0.815	3.999
PSA, high vs. low	0.437	1.297	0.673	2.499
ALP, high vs. low	0.506	1.249	0.648	2.406
LDH, high vs. low	0.007	2.593	1.290	5.210
B, Multivariate model 1				
Variable	P-value	HR	95% CI	
			Lower	Upper
CTC ⁺ /OCT4 ⁺ vs. CTC ⁺ /OCT4 ⁻ or CTC ⁻	0.005	2.907	1.383	6.111
LDH, high vs. low	0.127	1.786	0.848	3.762
C, Multivariate model 2				
Variable	P-value	HR	95% CI	
			Lower	Upper
CTC ⁺ /OCT4 ⁺ vs. CTC ⁺ /OCT4 ⁻ or CTC ⁻	0.006	2.980	1.360	6.527
ECOG PS score, 1 vs. 0	0.048	2.056	1.005	4.207
LDH, high vs. low	0.180	1.705	0.781	3.720
D, Multivariate model 3				
Variable	P-value	HR	95% CI	
			Lower	Upper
CTC ⁺ /OCT4 ⁺ vs. CTC ⁺ /OCT4 ⁻ or CTC ⁻	<0.001	3.833	1.887	7.784
ECOG PS score, 1 vs. 0	0.033	2.163	1.063	4.402

Low and high levels of PSA, ALP, and LDH were classified by median value. Model 1 included factors with P<0.05, model 2 included factors with P<0.1 and model 3 included all factors in the univariate model and the backward elimination method was used. HR, hazards ratio; CI, confidence interval; OCT4, octamer-binding transcription factor 4; CTC, circulating tumor cell; ECOG PS, eastern cooperative oncology group performance status; PSA, prostate-specific antigen; ALP, alkaline phosphatase; LDH, lactate dehydrogenase.

Table SIII. Cox regression models of overall survival.

A, Univariate				
Variable	P-value	HR	95% CI	
			Lower	Upper
CTC ⁺ /OCT4 ⁺ vs. CTC ⁺ /OCT4 ⁻ or CTC ⁻	0.008	3.956	1.434	10.913
Age, ≥70 vs. <70 years	0.246	1.701	0.694	4.168
History of prostatectomy, yes vs. no	0.391	0.674	0.274	1.657
History of radiotherapy, yes vs. no	0.362	1.534	0.611	3.852
History of other therapy, yes vs. no	0.512	0.509	0.067	3.842
Gleason score at initial diagnosis, ≥7 vs. <7	0.228	1.805	0.691	4.716
ECOG PS score, 1 vs. 0	0.030	2.719	1.101	6.716
Bone metastasis, yes vs. no	0.352	0.552	0.158	1.929
Lymph node metastasis, yes vs. no	0.490	1.366	0.563	3.312
Soft tissue metastasis, yes vs. no	0.558	1.454	0.416	5.084
Visceral metastasis, yes vs. no	0.068	2.375	0.938	6.017
PSA, high vs. low	0.117	2.061	0.835	5.089
ALP, high vs. low	0.446	1.412	0.581	3.43
LDH, high vs. low	0.161	1.938	0.769	4.885
B, Multivariate model 1				
Variable	P-value	HR	95% CI	
			Lower	Upper
CTC ⁺ /OCT4 ⁺ vs. CTC ⁺ /OCT4 ⁻ or CTC ⁻	0.008	3.938	1.428	10.858
ECOG PS score, 1 vs. 0	0.032	2.750	1.090	6.935
C, Multivariate model 2				
Variable	P-value	HR	95% CI	
			Lower	Upper
CTC ⁺ /OCT4 ⁺ vs. CTC ⁺ /OCT4 ⁻ or CTC ⁻	0.011	4.154	1.382	12.491
ECOG PS score, 1 vs. 0	0.038	2.878	1.063	7.793
Visceral metastasis, yes vs. no	0.810	0.876	0.297	2.582
D, Multivariate model 3				
Variable	P-value	HR	95% CI	
			Lower	Upper
CTC ⁺ /OCT4 ⁺ vs. CTC ⁺ /OCT4 ⁻ or CTC ⁻	0.008	3.938	1.428	10.858
ECOG PS score, 1 vs. 0	0.032	2.750	1.090	6.935

Low and high levels of PSA, ALP, and LDH were classified by median value. Model 1 included factors with P<0.05, model 2 included factors with P<0.1 and model 3 included all factors in the univariate model and the backward elimination method was used. HR, hazards ratio; CI, confidence interval; OCT4, octamer-binding transcription factor 4; CTC, circulating tumor cell; ECOG PS, Eastern Cooperative Oncology Group Performance Status; PSA, prostate-specific antigen; ALP, alkaline phosphatase; LDH, lactate dehydrogenase.