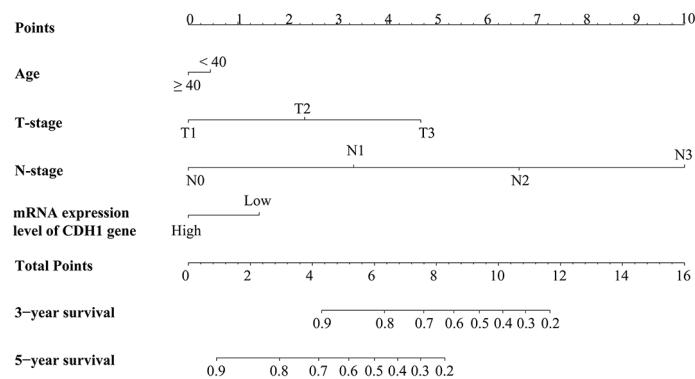


## Supplementary

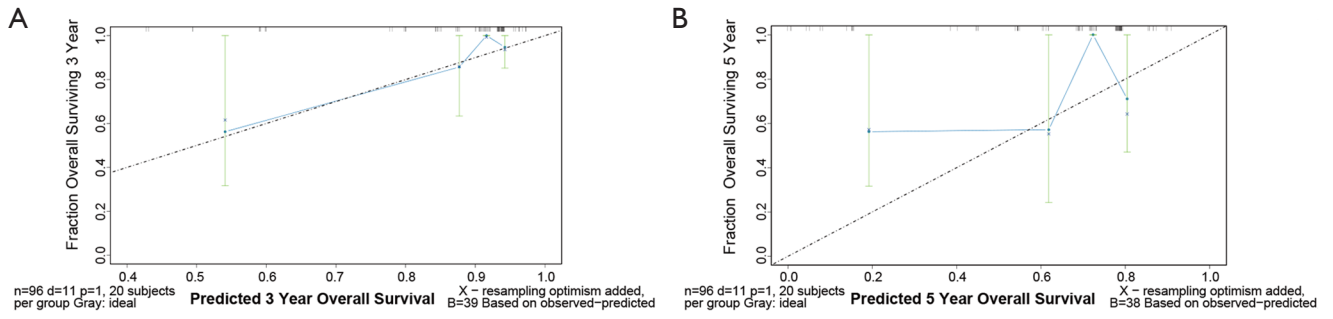
**Table S1** Univariate analyses for DFS and OS

Variables	DFS		OS	
	Univariate hazard ratio (95% CI)	P	Univariate hazard ratio (95% CI)	P
Age	0.57 (0.31–1.04)	0.068*	0.50 (0.27–0.93)	0.029**
T stage				
T1 ( $\leq 2$ cm)	1 (ref)		1 (ref)	
T2 ( $> 2$ cm & $\leq 5$ cm)	1.62 (0.88–2.99)	0.122	1.71 (0.90–3.25)	0.104
T3 ( $> 5$ cm)	3.94 (1.85–8.43)	$< 0.001^{**}$	4.50 (2.06–9.80)	$< 0.001^{**}$
N stage				
N0 (0)	1 (ref)		1 (ref)	
N1 ( $\leq 3$ )	2.25 (1.01–5.03)	0.048**	1.95 (0.79–4.85)	0.150
N2 ( $> 3$ & $\leq 9$ )	6.50 (3.08–13.69)	$< 0.001^{**}$	8.22 (3.81–17.78)	$< 0.001^{**}$
N3 ( $> 9$ )	36.41 (16.84–78.70)	$< 0.001^{**}$	42.51 (18.94–95.41)	$< 0.001^{**}$
Histological grade	1.70 (0.98–2.96)	0.059*	1.77 (0.99–3.12)	0.053*
E-cadherin	0.34 (0.16–0.73)	0.005**	0.39 (0.17–0.86)	0.020**
Ki67	2.62 (0.82–8.38)	0.106	2.41 (0.75–7.75)	0.139
Vascular invasion	1.32 (0.73–2.43)	0.357	1.50 (0.82–2.76)	0.190
Perineural invasion	1.88 (0.26–13.64)	0.530	2.01 (0.28–14.59)	0.489
Family history	0.89 (0.45–1.68)	0.739	0.74 (0.35–1.57)	0.433
Menopause	0.61 (0.34–1.09)	0.095	0.67 (0.37–1.21)	0.184
Type of surgery	0.84 (0.30–2.31)	0.730	0.64 (0.20–2.07)	0.460

CI, confidence interval. \* $P < 0.1$ ; \*\* $P < 0.05$ .



**Figure S1** The nomogram to predict the probability of OS for TNBC patients from the TCGA database (E-cadherin is encoded by *CDH1* gene. RNAseq reads count lower or higher than 10000 were defined as low or high expression group).



**Figure S2** Calibration curves of external validation for (A) predicting the 3-year and (B) 5-year OS in TNBC patients from the TCGA database.