

Supplementary Table 1. Differences in protein expression level in primary tumors comparing patients with recurrence to those without.

	TWIST1	SNAI1	PAWR	β -catenin	pCrk/CrkL
Intensity Score					
All (n=475)	H				L
HER2+ (n=35)					
ER+/PR+/HER2- (n=282)					L
ER+/PR-/HER2- (n=32)					
ER-/PR-/HER2- (n=75)	H	H			
Allred Score					
All (n=475)	H				L
HER2+ (n=35)					
ER+/PR+/HER2- (n=282)					L
ER+/PR-/HER2- (n=32)					
ER-/PR-/HER2- (n=75)		H			
Total Score (Intensity x Percentage)					
All (n=475)	H				L
HER2+ (n=35)					
ER+/PR+/HER2- (n=282)	H				L
ER+/PR-/HER2- (n=32)					
ER-/PR-/HER2- (n=75)		H			

H- significantly higher level of protein in patients with recurrence than those without.

L- significantly lower level of protein in patients with recurrence than those without.

Blank indicates non-significant difference. Significance is based on Wilcoxon rank-sum test $p < 0.05$

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