

Table S1. Significant correlations between mRNA expressions of *CDH1* and EMT genes in different types of BC patient's samples

Sample	Gene	Gene	Correlation coefficient (r)	P-value
C-breast	<i>TWIST1</i>	<i>SNAI2</i>	0.710	0.049
		<i>ZEB2</i>	0.830	0.011
		<i>SNAI2</i>	0.995	0.005
	<i>ZEB1</i>	<i>SNAI2</i>	0.818	0.024
		<i>ZEB2</i>	0.776	0.005
		<i>ZEB1</i>	0.847	0.016
TU-C	<i>TWIST1</i>	<i>CDH1</i>	0.468	0.018
		<i>SNAI2</i>	0.493	0.009
		<i>ZEB1</i>	0.568	0.005
	<i>ZEB2</i>	<i>SNAI2</i>	0.553	0.005
		<i>SNAI1</i>	0.587	0.002
		<i>SNAI2</i>	0.775	< 0.000
TU-IF	<i>SNAI2</i>	<i>ZEB1</i>	0.603	0.002
		<i>CDH1</i>	0.430	0.046
		<i>SNAI1</i>	0.500	0.021
	<i>ZEB2</i>	<i>SNAI2</i>	0.672	< 0.000
		<i>TWIST1</i>	0.426	0.034
		<i>SNAI1</i>	0.431	0.032
LNM	<i>ZEB1</i>	<i>SNAI2</i>	0.579	0.002
		<i>CDH1</i>	0.462	0.027
		<i>SNAI1</i>	0.426	0.027
	<i>TWIST1</i>	<i>SNAI2</i>	0.831	0.002
		<i>CDH1</i>	0.683	0.007
		<i>ZEB1</i>	0.686	0.041
C-blood	<i>SNAI2</i>	<i>SNAI1</i>	0.628	0.038
		<i>CDH1</i>	0.628	0.038
		<i>ZEB1</i>	0.725	0.008
	<i>ZEB1</i>	<i>SNAI1</i>	0.958	0.010
		<i>TWIST1</i>	0.981	0.001
		<i>SNAI1</i>	0.840	0.009
CTC-	<i>ZEB2</i>	<i>TWIST1</i>	0.947	0.004
		<i>SNAI1</i>	0.831	0.011
		<i>ZEB1</i>	0.940	< 0.000
	<i>ZEB1</i>	<i>ZEB1</i>	0.607	0.010
		<i>SNAI1</i>	0.798	0.002

Abbreviations: C-breast, non-neoplastic breast tissue controls; TU-C, tumor central region, TU-IF, tumor invasive front; LNM, lymph node metastasis; C-blood, CD45-depleted blood fractions from healthy women; CTC- and CTC+, CD45-depleted blood fractions from patients without and with identified epithelial and mesenchymal markers, respectively.