

Table S1. Frequency of CSCs after transplantation of the indicated cells into NOD/SCID mice

Cell Lines	# of Injected Cells				CSC Frequency*
	5×10 ²	10 ³	10 ⁴	10 ⁵	
Parental	1/8	8/8	8/8	8/8	1/719
IL6 ^{-/-}	0/8	2/8	5/8	8/8	1/7,142
IL1A ^{-/-}	0/8	1/8	2/8	5/8	1/16,667
HER2 KD	0/8	1/8	3/8	8/8	1/14,285

Note: *, CSC frequency was calculated from limit-dilution analysis based on Poisson distribution.

Table S3. Positive correlation between IL-1α and HER2 or IL6 expression in breast cancer tissues.

Gene Expression	IL-1α		Chi-square (p value) ^a
	Negative n (%)	Positive n (%)	
HER2 status			
Negative	50 (54.3)	42 (45.6)	0.001
Positive	11 (25.0)	33 (75.0)	
IL-6 status			
Negative	51 (67.1)	25 (32.9)	< 0.0001
Positive	10 (16.7)	50 (79.3)	

Note: ^aP values were calculated using Fisher's exact test.

Table S4. Association of IL-1α and IL6 expression status with CD44/CD24 phenotypes.

Gene expression status	All tumors (n=136)	CD44/CD24 Phenotypes				Chi-square (p value) ^a
		CD44+/CD24- (n=69)	CD44+/CD24+ (n=21)	CD44-/CD24+ (n=2)	CD44-/CD24- (n=42)	
IL-1α Status						
Negative	61 (44.8)	20 (32.7)	8 (13.1)	1 (1.6)	30 (49.2)	0.0002
Positive	75 (55.2)	49 (65.3)	13 (17.3)	1 (1.3)	12 (16.0)	
IL-6 Status						
20 Negative	76 (57.4)	29 (41.0)	6 (7.7)	1(1.3)	38 (50.0)	< 0.0001
Positive	60 (42.6)	40 (63.8)	15 (27.6)	1 (1.7)	4 (6.9)	

Note: ^aP values were calculated using Fisher's exact test.