

S2 Table. Markers' distribution by disease presentation status

	No.	R-MBC	de novo MBC	p-value
VEGFR1 mRNA expression	60	37.1 (31.5-38.9)	37.0 (31.5-39.6)	0.62 ^{a)}
VEGFR2 mRNA expression	60	37.7 (29.1-40.4)	37.5 (29.0-40.2)	0.87 ^{a)}
VEGFC mRNA expression	60	30.3 (27.1-37.0)	30.1 (26.8-37.9)	0.65 ^{a)}
VEGFA mRNA expression	60	40.8 (38.8-42.8)	41.4 (39.2-43.0)	0.054 ^{a)}
HIF1A mRNA expression	60	41.0 (37.7-42.9)	41.1 (38.6-42.8)	0.52 ^{a)}
NRP1 mRNA expression	60	38.5 (35.5-40.5)	38.8 (35.2-40.4)	0.24 ^{a)}
TEK mRNA expression	60	35.8 (28.2-38.4)	35.5 (29.0-37.9)	0.98 ^{a)}
VCAM1 mRNA expression	60	34.9 (28.4-38.2)	35.7 (27.2-38.2)	0.51 ^{a)}
VEGFxa mRNA expression	60	38.3 (29.2-40.9)	39.6 (37.0-41.5)	0.008^{a)}
VEGFxb mRNA expression	60	33.6 (28.1-36.4)	34.6 (28.3-37.2)	0.40 ^{a)}
VHL mRNA expression	60	39.3 (37.1-41.9)	39.6 (36.0-41.4)	0.35 ^{a)}
Tumor VEGFR1	186			0.16 ^{b)}
Low		77 (60.6)	42 (71.2)	
High		50 (39.4)	17 (28.8)	
Tumor VEGFR2	176			0.22 ^{b)}
Low		88 (73.3)	36 (64.3)	
High		32 (26.7)	20 (35.7)	
Tumor VEGFR3	186			0.28 ^{b)}
Low		69 (54.3)	37 (62.7)	
High		58 (45.7)	22 (37.3)	
Tumor VEGFC	186			<0.001^{b)}
Low		86 (68.3)	55 (91.7)	
High		40 (31.7)	5 (8.3)	
Tumor VEGFA	184			0.60 ^{b)}
Low		69 (55.2)	35 (59.3)	
High		56 (44.8)	24 (40.7)	
Stromal VEGFR1	151			0.019^{b)}
Negative		5 (5.2)	9 (16.7)	
Positive		92 (94.8)	45 (83.3)	
Stromal VEGFR2	164			0.58 ^{b)}
Negative		12 (10.6)	4 (7.8)	
Positive		101 (89.4)	47 (92.2)	
Stromal VEGFR3	143			0.43 ^{b)}

Negative	22 (23.2)	14 (29.2)	
Positive	73 (76.8)	34 (70.8)	
Stromal VEGFC (n=164)			0.39 ^{b)}
Negative	6 (5.5)	5 (9.1)	
Positive	103 (94.5)	50 (90.9)	
Stromal VEGFA (n=161)			0.81 ^{b)}
Negative	22 (20.6)	12 (22.2)	
Positive	85 (79.4)	42 (77.8)	

Values presented as median (min-max) or number (%). MBC, metastatic breast cancer; R-MBC, relapsed metastatic breast cancer. ^{a)}Wilcoxon rank-sum test, ^{b)}Pearson's chi-square/Fisher's exact test.