

Table S1: RHBDF1 expression and clinicopathological features of invasive breast cancer (IBC)

Clinicopathological Features	Cases	RHBDF1 (%)				r_s	P -value*
		-	+	++	+++		
Age						-0.008	0.894
≤55	185	23(13)	60(32)	41(22)	61(33)		
≥ 55	78	13(17)	21(27)	18(23)	26(33)		
Tumor size (cm)						0.075	0.225
≤2	65	13(20)	19(29)	16(25)	17(26)		
2~5	182	22(12)	55(30)	39(22)	66(36)		
≥ 5	16	1(6)	7(44)	4(25)	4(25)		
Histological grade						-0.090	0.145
I	27	5(19)	9(33)	2(7)	11(41)		
II	148	21(14)	38(26)	31(21)	58(39)		
III	88	10(11)	34(39)	26(29)	18(21)		
pTNM Stage						0.088	0.156
I	32	7(22)	11(34)	5(16)	9(28)		
II	145	20(14)	44(30)	34(23)	47(33)		
III-IV	86	9(11)	26(30)	20(23)	31(36)		
Estrogen receptor						-0.025	0.684
-	142	18(13)	44(31)	32(22)	48(34)		
+	121	18(15)	37(31)	27(22)	39(32)		
Progesterone receptor						0.073	0.238
-	178	25(14)	60(34)	37(21)	56(31)		
+	85	11(13)	21(25)	22(26)	31(36)		
C-erbB-2						0.073	0.236
-/+	184	30(16)	53(29)	44(24)	57(31)		
++/+++	79	6(8)	28(35)	15(19)	30(38)		
LN metastasis						0.136	0.027
N0	105	20(19)	35(33)	20(19)	30(29)		
N1	70	6(9)	21(30)	19(27)	24(34)		
N2	36	6(17)	12(33)	7(19)	11(31)		
N3	52	4(8)	13(25)	13(25)	22(42)		
Distant metastasis						0.155	0.012
-	217	33(15)	74(34)	41(19)	69(32)		
+	46	3(7)	7(15)	18(39)	18(39)		
Recurrence						0.135	0.029
-	248	36(15)	78(31)	55(22)	79(32)		
+	15	0(0)	3(20)	4(27)	8(53)		
HIF1α						0.593	<0.001
-	40	24(60)	7(18)	5(13)	4(10)		
+	82	6(7)	48(59)	16(20)	12(15)		
++	71	5(7)	23(32)	22(31)	21(30)		
+++	70	1(1)	3(4)	16(22)	50(71)		

* P -values were calculated by Spearman's Rank-Correlation test (n=263).