

Table S1. Baseline Characteristics of pT1N0M0 breast cancer at the Time of Diagnosis for Each Molecular Subtype.

Variables	DFS		DRFS		BCSS		OS	
	HR (95% CI)	P	HR (95% CI)	P	HR (95% CI)	P	HR (95% CI)	P
Molecular subtype								
HR+/HER2-	1.00 (reference)		1.00 (reference)		1.00 (reference)		1.00 (reference)	
HR+/HER2+	1.29 (0.91 - 1.78)	.14	1.84 (1.27 - 2.61)	<.001	1.59 (1.03 - 2.37)	0.03	1.29 (0.89 - 1.82)	.17
HR-/HER2+	1.99 (1.46 - 2.68)	<.001	2.37 (1.67- 3.33)	<.001	2.26 (1.52 - 3.28)	<.001	1.85 (1.32 - 2.55)	<.001
HR-/HER2-	1.49 (1.14 - 1.95)	.003	1.56 (1.125 - 2.130)	.007	1.64 (1.15 - 2.30)	.005	1.47 (1.10 - 1.94)	.008
Age, years								
≤40	2.28 (1.57 - 3.34)	<.001	2.70 (1.74 - 4.25)	.001	2.31 (1.43 - 3.78)	.002	0.56 (0.39 - 0.80)	.002
>40 to ≤60	1.29 (0.95 - 1.80)	.11	1.47 (1.02 - 2.19)	.05	1.28 (0.86 - 1.97)	0.25	0.33 (0.26 - 0.42)	<.001
>60	1.00 (reference)		1.00 (reference)		1.00 (reference)		1.00 (reference)	
Menopausal status								
Premenopause	1.00 (reference)		1.00 (reference)		1.00 (reference)		1.00 (reference)	
Postmenopause	0.70 (0.56 -0.87)	.001	0.61 (0.47 - 0.79)	<.001	0.55 (0.41 -0.73)	<.001	1.19 (0.95 - 1.49)	.14
Surgery type								
Lumpectomy	1.00 (reference)		1.00 (reference)		1.00 (reference)		1.00 (reference)	
Mastectomy	0.92 (0.70 - 1.22)	.54	0.97 (0.71 -1.36)	.88	0.94 (0.66 - 1.38)	.74	0.83 (0.62 - 1.14)	.24
Radiotherapy								
None	1.00 (reference)		1.00 (reference)		1.00 (reference)		1.00 (reference)	
Done	1.11	.50	1.04	.81	1.06	0,77	0.84	.34

	(0.81 - 1.50)		(0.71 - 1.48)		(0.69 - 1.56)		(0.56 - 1.19)	
Histology								
Invasive ductal carcinoma	1.00 (reference)		1.00 (reference)		1.00 (reference)		1.00 (reference)	
Non-invasive ductal carcinoma	0.99 (0.68 - 1.38)	.93	1.17 (0.78 - 1.69)	.43	1.08 (0.69 - 1.62)	0.72	1.23 (0.87 - 1.69)	0.23
Histological grade								
other	1.00 (reference)		1.00 (reference)		1.00 (reference)		1.00 (reference)	
III	2.39 (1.93 - 2.96)	<.001 1	1.91 (1.48 - 2.45)	<.001	1.84 (1.39 - 2.43)	<.001	1.81 (1.43 - 2.28)	<.001
Tumor size, mm								
≤5	1.00 (reference)		1.00 (reference)		1.00 (reference)		1.00 (reference)	
>5 to ≤10	1.31 (0.75 - 2.48)	.37	2.23 (1.04 - 5.78)	.06	4.99 (1.55 - 30.53)	.03	3.41 (1.41- 11.23)	.02
>10 to ≤20	2.42 (1.44 - 4.44)	.002	4.01 (1.95 - 10.17)	<.001	8.88 (2.84 - 53.71)	.002	6.21 (2.64 - 20.11)	<.001
Adjuvant chemotherapy								
None	1.00 (reference)		1.00 (reference)		1.00 (reference)		1.00 (reference)	
Done	0.48 (0.36 - 0.64)	<.001 1	0.57 (0.41 - 0.82)	.002	0.50 (0.35 - 0.74)	<.001	0.37 (0.28 - 0.49)	<.001

Abbreviations: HR, hormone receptor; HER2, human epidermal growth factor receptor 2, SD, standard deviation; $P < 0.05$ is statistically significant.