

Supplementary Table 1. Clinicopathologic characteristics of matching patients and non-matching patients in non-PABC

Characteristic	Non-PABC matching patients (n=668) No. (%)	Non-PABC non-matching patients (n=40,528) No. (%)	p-value	Characteristic	Non-PABC matching patients (n=668) No. (%)	Non-PABC non-matching patients (n=40,528) No. (%)	p-value
Age (yr)*	34.2±4.4	39.5±4.7	<0.001	Histologic grade			<0.001
Breast operation			<0.001	1	55 (8.2)	4,539 (11.2)	
BCS	301 (45.1)	20,673 (51.0)		2	221 (33.1)	13,535 (33.4)	
Total mastectomy	357 (53.4)	19,383 (47.8)		3	249 (37.3)	10,920 (26.9)	
Biopsy only	8 (1.2)	174 (0.4)		Unknown	143 (21.4)	11,530 (28.5)	
Unknown	2 (0.3)	298 (0.7)		Nuclear grade			<0.001
Axillary operation			<0.001	1	45 (6.7)	3,381 (8.3)	
Sentinel lymph node biopsy	72 (10.8)	9,687 (23.9)		2	193 (28.9)	13,636 (33.6)	
Axillary lymph node dissection	566 (84.7)	28,623 (70.6)		3	215 (32.2)	10,338 (25.5)	
No operation	30 (4.5)	1,941 (4.8)		Unknown	215 (32.2)	13,173 (32.5)	
Unknown	0	277 (0.7)		Hormone receptor			<0.001
T stage			<0.001	Positive	358 (53.6)	25,858 (63.8)	
T0	18 (2.7)	4,469 (11.0)		Negative	241 (36.1)	9,648 (23.8)	
T1	179 (26.8)	18,078 (44.6)		Unknown	69 (10.3)	5,022 (12.4)	
T2	327 (49.0)	14,832 (36.6)		HER2 status			<0.001
T3	104 (15.6)	2,324 (5.7)		Positive	129 (19.3)	6,128 (15.1)	
T4	36 (5.4)	520 (1.3)		Negative	331 (49.6)	21,599 (53.3)	
Unknown	4 (0.6)	305 (0.7)		Unknown	208 (21.2)	12,801 (31.6)	
N stage			<0.001	Chemotherapy			<0.001
N0	339 (50.7)	25,230 (62.3)		Yes	530 (79.3)	24,750 (61.1)	
N1	183 (27.4)	10,106 (24.9)		No	64 (9.6)	9,058 (22.3)	
N2	77 (11.5)	3,193 (7.9)		Unknown	74 (11.1)	6,720 (16.6)	
N3	64 (9.6)	413 (1.0)		Radiotherapy			<0.001
Unknown	5 (0.7)	4 (0.0)		Yes			
Stage			<0.001	Post-BCS	247 (37.0)	16,479 (40.7)	
0	18 (2.7)	4,314 (10.6)		PMRT	115 (17.2)	4,196 (10.4)	
I	144 (21.6)	13,275 (32.8)		Palliative	1 (0.1)	119 (0.3)	
II	318 (47.6)	16,426 (40.5)		No	198 (29.6)	11,470 (28.3)	
III	167 (25.0)	5,404 (13.3)		Unknown	107 (16.0)	8,264 (20.4)	
IV	21 (3.1)	593 (1.5)		Hormone therapy			<0.001
Unknown	0	516 (1.3)		Yes	306 (45.8)	21,409 (52.8)	
				No	231 (34.6)	9,804 (24.2)	
				Unknown	131 (19.6)	9,315 (23.0)	

PABC=pregnancy-associated breast cancer; BCS=breast-conserving surgery; HER2=human epidermal growth factor receptor 2; Post-BCS=post-breast conserving surgery radiotherapy; PMRT=post-mastectomy radiotherapy.

*Mean±SD.