

Supplementary Table S5: Young women’s cohort (YWBC) vs TCGA characteristics, within luminal A and luminal B subgroups. Parameters from the TCGA cohort that were not collected or not collected in the same manner as the YWBC cohort are left blank in the TCGA column.

Part A: Luminal A

	YWBC (≤ 35 yo) N=28 patients	TCGA (≥ 45 yo) N=429 patients
Parameter	No. of patients (%)	No. of patients (%)
Anatomic stage at diagnosis		
0 (DCIS)	1 (3.6%)	0 (0%)
I	15 (53.6%)	100 (23.3%)
II	9 (32.1%)	227 (52.9%)
III	3 (10.7%)	85 (19.8%)
IV	0 (0%)	6 (1.4%)
Unknown	0 (0%)	11 (2.6%)
T stage		
Tis	1 (3.6%)	0 (0%)
T1	19 (67.9%)	142 (33.1%)
T2	7 (25.0%)	225 (52.4%)
T3	1 (3.6%)	45 (10.5%)
T4	0 (0%)	15 (3.5%)
TX	0 (0%)	2 (0.5%)
N stage		
N0	16 (57.1%)	216 (50.3%)
N1	8 (28.6%)	135 (31.5%)
N2-3	2 (7.1%)	69 (16.1%)
NX	2 (7.1%)	9 (2.1%)
Tumor grade		
1	5 (17.9%)	Not collected
2	19 (67.9%)	Not collected
3	4 (14.3%)	Not collected
Histology		
Ductal	20 (71.4%)	257 (59.9%)
Lobular	0 (0%)	129 (30.1%)
Mixed ductal and lobular	5 (17.9%)	Not collected
Other/unknown	3 (10.7%)	43 (10.0%)

Part B: Luminal B

	YWBC (≤ 35 yo) N=43 patients	TCGA (≥ 45 yo) N=169 patients
Parameter	No. of patients (%)	No. of patients (%)
Anatomic stage at diagnosis		
0 (DCIS)	1 (2.3%)	0 (0%)
I	10 (23.3%)	19 (11.2%)
II	25 (58.1%)	93 (55.0%)
III	7 (16.3%)	50 (29.6%)
IV	0 (0%)	4 (2.4%)
Unknown	0 (0%)	3 (1.8%)
T stage		
Tis	1 (2.3%)	0 (0%)
T1	17 (39.5%)	32 (18.9%)
T2	22 (51.2%)	107 (63.3%)
T3	3 (7.0%)	20 (11.8%)
T4	0 (0%)	10 (5.9%)
TX	0 (0%)	0 (0.0%)
N stage		
N0	17 (39.5%)	70 (41.4%)
N1	22 (51.2%)	56 (33.1%)
N2-3	4 (9.3%)	39 (23.1%)
NX	0 (0.0%)	4 (2.4%)
Tumor grade		
1	0 (0.0%)	Not collected
2	9 (20.9%)	Not collected
3	34 (79.1%)	Not collected
Histology		
Ductal	35 (81.4%)	144 (85.2%)
Lobular	2 (4.7%)	11 (6.5%)
Mixed ductal and lobular	2 (4.7%)	Not collected
Other/unknown	4 (9.3%)	14 (8.3%)