

**Supplementary Table S3. Axillary lymph node involvement stratified by clinical stage in patients with breast pathological complete remission (pCR) and non-pCR**

	Breast pCR				Breast non-pCR			
	Number of involved nodes				Number of involved nodes			
	0	1-3	4-9	>9	0	1-3	4-9	>9
Whole population	331(76.1)	72(16.6)	21(4.8)	11(2.5)	586(37.5)	424(27.1)	314(20.1)	240(15.3)
cT1-2N0	88(93.6)	3(3.2)	3(3.2)	0(0.0)	257(70.8)	58(16.0)	29(8.0)	19(5.2)
cT1-2N1	159(74.3)	38(17.8)	11(5.1)	6(2.8)	192(28.7)	226(33.7)	156(23.3)	96(14.3)
LABC	84(66.1)	31(24.4)	7(5.5)	5(3.9)	137(25.8)	140(26.4)	129(24.3)	125(23.5)
Luminal A-like	9(69.2)	2(15.4)	2(15.4)	0(0.0)	37(36.3)	26(25.5)	27(26.5)	12(11.8)
cT1-2N0	6(85.7)	0(0.0)	1(14.3)	0(0.0)	19(73.1)	4(15.4)	3(11.5)	0(0.0)
cT1-2N1	3(50.0)	2(33.3)	1(16.7)	0(0.0)	12(27.9)	14(32.6)	11(25.6)	6(14.0)
LABC	0(0.0)	0(0.0)	0(0.0)	0(0.0)	6(18.2)	8(24.2)	13(39.4)	6(18.2)
Luminal B-like (HER2-)	112(70.4)	33(20.8)	9(5.7)	5(3.1)	220(31.4)	201(28.7)	159(22.7)	120(17.1)
cT1-2N0	33(89.2)	2(5.4)	2(5.4)	0(0.0)	85(59.0)	32(22.2)	17(11.8)	10(6.9)
cT1-2N1	59(71.1)	17(20.5)	4(4.8)	3(3.6)	75(23.8)	110(34.9)	80(25.4)	50(15.9)
LABC	20(51.3)	14(35.9)	3(7.7)	2(5.1)	60(24.9)	59(24.5)	62(25.7)	60(24.9)
Luminal B-like (HER2+)	89(83.2)	13(12.1)	2(1.9)	3(2.8)	140(42.4)	91(27.6)	61(18.5)	38(11.5)
cT1-2N0	19(100.0)	0(0.0)	0(0.0)	0(0.0)	70(83.3)	9(10.7)	2(2.4)	3(3.6)
cT1-2N1	46(83.6)	6(10.9)	1(1.8)	2(3.6)	43(30.5)	47(33.3)	39(27.7)	12(8.5)
LABC	24(72.7)	7(21.2)	1(3.0)	1(3.0)	27(25.7)	35(33.3)	20(19.0)	23(21.9)
HER2-amplified	66(82.5)	6(7.5)	5(6.3)	3(3.8)	97(48.0)	51(25.2)	30(14.9)	24(11.9)
cT1-2N0	14(100.0)	0(0.0)	0(0.0)	0(0.0)	42(82.4)	4(7.8)	4(7.8)	1(2.0)
cT1-2N1	25(78.1)	3(9.4)	3(9.4)	1(3.1)	32(42.1)	25(32.9)	9(11.8)	10(13.2)
LABC	27(79.4)	3(8.8)	2(5.9)	2(5.9)	23(30.7)	22(29.3)	17(22.7)	13(17.3)

TNBC	55(72.4)	18(23.7)	3(3.9)	0(0.0)	92(40.0)	55(23.9)	37(16.1)	46(20.0)
cT1-2N0	16(94.1)	1(5.9)	0(0.0)	0(0.0)	41(70.7)	9(15.5)	3(5.2)	5(8.6)
cT1-2N1	26(68.4)	10(26.3)	2(5.3)	0(0.0)	30(31.6)	30(31.6)	17(17.9)	18(18.9)
LABC	13(61.9)	7(33.3)	1(4.8)	0(0.0)	21(27.3)	16(20.8)	17(22.1)	23(29.9)

Abbreviations: LABC, locally advanced breast cancer; HER2, human epidermal growth factor receptor 2; TNBC, triple negative breast cancer; pCR, pathological complete remission.