

Supplementary Table 5: Non-CSC marker associations with molecular characteristics

		ER POSITIVE								ER NEGATIVE							
Variable	CD44 ⁺ CD24 ⁺		CD44 ⁺ CD24 ⁺		Stromal ALDH1A1		Stromal ALDH1A3		CD44 ⁺ CD24 ⁺		CD44 ⁺ CD24 ⁺		Stromal ALDH1A1		Stromal ALDH1A3		
	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Positive	
Molecular subtype	Luminal 1a	524 (84)	731 (80)	1002 (82)	253 (80)	686 (85)	673 (77)	1182 (82)	90 (68)	24 (12)	45 (16)	62 (17)	7 (6)	47 (16)	30 (12)	68 (17)	5 (6)
	Other	100 (16)	188 (20)	224 (18)	64 (20)	122 (15)	196 (23)	268 (18)	43 (32)	174 (88)	238 (84)	301 (83)	111 (94)	240 (84)	211 (88)	334 (83)	79 (94)
	p-value	0.028		0.435		<0.001		<0.001		0.244		0.003		0.203		0.011	
	Luminal 1b	62 (10)	83 (9)	115 (9)	30 (9)	62 (8)	100 (12)	148 (10)	15 (11)	10 (5)	7 (2)	15 (4)	2 (2)	11 (4)	8 (3)	12 (3)	5 (6)
	Other	562 (90)	836 (91)	1111 (91)	287 (91)	746 (92)	769 (88)	1302 (90)	118 (89)	188 (95)	276 (98)	348 (96)	116 (98)	276 (96)	233 (97)	390 (97)	79 (94)
	p-value	0.550		0.964		0.008		0.697		0.132		0.264*		0.752		0.178	
	Luminal 2	38 (6)	105 (11)	109 (9)	34 (11)	60 (7)	96 (11)	120 (8)	28 (21)	8 (4)	8 (3)	13 (4)	3 (3)	8 (3)	10 (4)	14 (3)	2 (2)
	Other	586 (94)	814 (89)	1117 (91)	283 (89)	748 (93)	773 (89)	1330 (92)	105 (79)	190 (96)	275 (97)	350 (96)	115 (97)	279 (97)	231 (96)	388 (97)	82 (98)
	p-value	<0.001		0.315		0.011		<0.001		0.465		0.771*		0.390		1.0*	
	HER2	NA		NA		NA		NA		23 (12)	72 (25)	78 (21)	17 (14)	47 (16)	56 (23)	76 (19)	21 (25)
	Other	NA		NA		NA		NA		175 (88)	211 (75)	285 (79)	101 (86)	240 (84)	185 (77)	326 (81)	63 (75)
	p-value									<0.001		0.093		0.048		0.204	
	CBP	NA		NA		NA		NA		88 (44)	98 (35)	115 (32)	71 (60)	112 (39)	86 (36)	149 (37)	38 (45)
	Other	NA		NA		NA		NA		110 (56)	185 (65)	248 (68)	47 (40)	175 (61)	155 (64)	253 (63)	46 (55)
	p-value									0.030		<0.001		0.430		0.161	
5NP	NA		NA		NA		NA		45 (23)	53 (19)	80 (22)	18 (15)	62 (22)	51 (21)	83 (21)	13 (15)	
Other	NA		NA		NA		NA		153 (77)	230 (81)	283 (78)	100 (85)	225 (78)	190 (79)	319 (79)	71 (85)	
p-value									0.284		0.112		0.902		0.279		

*Fisher's exact test. Percentages cited in parentheses