

Table 5. Breast cancer characteristics and SNPs

Variables	rs2046210			rs3757318			rs3803662		
	AA+AG (n=255)	GG (n=213)	<i>p</i> value	AA+AG (n=216)	GG (n=249)	<i>p</i> value	AA+AG (n=390)	GG (n=74)	<i>p</i> value
ER									
positive	194 (79)	175 (84)	0.158	161 (77)	206 (84)	0.036	311 (82)	57 (79)	0.587
negative	53 (21)	34 (16)		49 (23)	38 (16)		69 (18)	15 (21)	
PgR									
positive	148 (65)	138 (70)	0.234	128 (66)	156 (68)	0.640	241 (69)	43 (61)	0.2436
negative	81 (53)	59 (30)		66 (34)	73 (32)		110 (31)	27 (39)	
HER2									
positive	42 (19)	24 (14)	0.135	36 (20)	30 (14)	0.161	60 (18)	6 (10)	0.0773
negative	175 (81)	151 (86)		147 (80)	179 (86)		267 (82)	56 (90)	
Triple negative									
yes	34 (13)	17 (8)	0.061	30 (14)	21 (8)	0.061	40 (10)	9 (12)	0.6307
no	221 (87)	196 (92)		185 (86)	228 (92)		350 (90)	65 (88)	
ER negative and HER2 positive									
yes	16 (6)	9 (4)	0.322	15 (7)	10 (4)	0.163	22 (6)	3 (4)	0.5659
no	239 (94)	204 (96)		201 (93)	239 (96)		368 (94)	71 (94)	
Size of primary tumor									
in situ	41 (17)	37 (18)	0.941	28 (13)	75 (17)	0.353	67 (18)	9 (13)	0.7652
<1 cm	127 (52)	100 (48)		111 (53)	227 (50)		187 (50)	38 (54)	
>1 to 2 cm	69 (28)	60 (29)		61 (29)	129 (29)		106 (28)	22 (31)	
>2 to 5 cm	4 (2)	4 (2)		5 (2)	8 (2)		7 (2)	1 (1)	
>5 cm	5 (2)	6 (3)		4 (2)	11 (2)		10 (3)	1 (1)	
Axillary lymph node metastasis									
negative	171 (69)	135 (65)	0.394	139 (66)	162 (67)	0.859	257 (68)	45 (62)	0.3246
positive	78 (31)	73 (35)		72 (34)	81 (33)		123 (32)	28 (38)	
Distant metastasis									
positive	248 (99)	204 (97)	0.089	210 (99)	239 (98)	0.208	376 (98)	72 (99)	0.778
negative	2 (1)	6 (3)		2 (1)	6 (2)		7 (2)	1 (1)	

Data are shown as the number of subjects (%)

ER-positive cases defined as $\geq 1\%$ ER-positive tumor cells

PgR-positive cases defined as $\geq 1\%$ PgR-positive tumor cells

HER2-positive cases defined as IHC 3+ or FISH-positive.