

Supplementary table S1

The allele and genotype frequencies of the studied SNPs in the breast cancer and control groups

Chr	SNP	Gene	Minor allele	Major allele	Minor allele frequency	Number of the studied chromosomes	Genotype distribution*	H _o	H _e	P _{HWE}
Breast cancer patients (n=358)										
11	rs1940475	<i>MMP-8</i>	T	C	0.482	710	76/190/89	0.535	0.499	0.202
11	rs1799750	<i>MMP-1</i>	2G	1G	0.469	708	76/180/98	0.509	0.498	0.749
11	rs679620	<i>MMP-3</i>	T	C	0.473	712	77/183/96	0.514	0.499	0.596
16	rs243865	<i>MMP-2</i>	T	C	0.236	700	17/131/202	0.374	0.360	0.554
20	rs3918242	<i>MMP-9</i>	T	C	0.170	708	15/90/249	0.254	0.282	0.086
20	rs3918249	<i>MMP-9</i>	C	T	0.359	696	51/148/149	0.425	0.460	0.163
20	rs17576	<i>MMP-9</i>	G	A	0.342	704	47/147/158	0.418	0.450	0.192
20	rs3787268	<i>MMP-9</i>	A	G	0.233	700	23/117/210	0.334	0.357	0.232
20	rs2250889	<i>MMP-9</i>	G	C	0.080	710	4/49/302	0.138	0.148	0.264
20	rs17577	<i>MMP-9</i>	A	G	0.166	706	14/89/250	0.252	0.277	0.120
Control group (n=746)										
11	rs1940475	<i>MMP-8</i>	T	C	0.489	1482	194/337/210	0.455	0.500	0.015
11	rs1799750	<i>MMP-1</i>	2G	1G	0.464	1446	168/335/220	0.463	0.497	0.073
11	rs679620	<i>MMP-3</i>	T	C	0.499	1478	188/361/190	0.489	0.500	0.556
16	rs243865	<i>MMP-2</i>	T	C	0.249	1464	52/261/419	0.357	0.374	0.200
20	rs3918242	<i>MMP-9</i>	T	C	0.167	1470	18/209/508	0.284	0.278	0.596
20	rs3918249	<i>MMP-9</i>	C	T	0.389	1470	113/346/276	0.471	0.475	0.816
20	rs17576	<i>MMP-9</i>	G	A	0.389	1486	119/340/284	0.458	0.475	0.316
20	rs3787268	<i>MMP-9</i>	A	G	0.215	1478	30/258/451	0.349	0.338	0.386
20	rs2250889	<i>MMP-9</i>	G	C	0.110	1470	15/131/589	0.178	0.195	0.023
20	rs17577	<i>MMP-9</i>	A	G	0.170	1452	20/207/499	0.285	0.282	0.896

Note: * minor allele homozygotes / heterozygotes / major allele homozygotes