

Supplementary Table S4

The allele and genotype frequencies of the studied SNPs in the breast cancer and control groups with BMI \geq 30.

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=119)										
11	rs1940475	<i>MMP-8</i>	T	C	0.487	236	30/55/33	0.47	0.50	0.465
11	rs1799750	<i>MMP-1</i>	2G	1G	0.487	234	28/58/31	0.50	0.50	1.000
11	rs679620	<i>MMP-3</i>	T	C	0.500	236	29/60/29	0.51	0.50	1.000
16	rs243865	<i>MMP-2</i>	T	C	0.214	234	5/40/72	0.34	0.34	1.000
20	rs3918242	<i>MMP-9</i>	T	C	0.209	234	6/37/74	0.32	0.33	0.583
20	rs3918249	<i>MMP-9</i>	C	T	0.361	230	17/49/49	0.43	0.46	0.422
20	rs17576	<i>MMP-9</i>	G	A	0.325	234	14/48/55	0.41	0.44	0.527
20	rs3787268	<i>MMP-9</i>	A	G	0.186	236	4/36/78	0.31	0.30	1.000
20	rs2250889	<i>MMP-9</i>	G	C	0.067	238	1/14/104	0.12	0.13	0.417
20	rs17577	<i>MMP-9</i>	A	G	0.185	232	5/33/78	0.28	0.30	0.539
Control group (n=190)										
11	rs1940475	<i>MMP-8</i>	T	C	0.471	378	45/88/56	0.47	0.50	0.382
11	rs1799750	<i>MMP-1</i>	2G	1G	0.476	372	49/79/58	0.42	0.50	0.041
11	rs679620	<i>MMP-3</i>	T	C	0.500	376	47/94/47	0.50	0.50	1.000
16	rs243865	<i>MMP-2</i>	T	C	0.227	374	12/61/114	0.33	0.35	0.305
20	rs3918242	<i>MMP-9</i>	T	C	0.196	372	6/61/119	0.33	0.32	0.816
20	rs3918249	<i>MMP-9</i>	C	T	0.406	372	33/85/68	0.46	0.48	0.543
20	rs17576	<i>MMP-9</i>	G	A	0.405	378	35/83/71	0.44	0.48	0.229
20	rs3787268	<i>MMP-9</i>	A	G	0.211	380	5/70/115	0.37	0.33	0.189
20	rs2250889	<i>MMP-9</i>	G	C	0.114	376	5/33/150	0.18	0.20	0.072
20	rs17577	<i>MMP-9</i>	A	G	0.204	372	9/58/119	0.31	0.33	0.651

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