

Supplementary table S3. Genotype combinations associated with HTN in male\*

Model	N	Genotype combinations	<i>beta</i>	P	Risk, High/Low
Three-order interaction models					
1	1	rs805303 GG <i>BAG6</i> × rs1173771 GA <i>AC026703.1</i> × rs4387287 CA <i>OBFC1</i>	-1.14	0.047	L
	2	rs805303 GG <i>BAG6</i> × rs1173771 GA <i>AC026703.1</i> × rs4387287 AA <i>OBFC1</i>	-0.74	0.023	L
	3	rs805303 GG <i>BAG6</i> × rs1173771 AA <i>AC026703.1</i> × rs4387287 AA <i>OBFC1</i>	2.29	0.029	H
2	4	rs932764 AA <i>PLCE1</i> × rs7302981 GG <i>CERS5</i> × rs1799945 CC <i>HFE</i>	-1.08	0.044	L
	5	rs932764 GG <i>PLCE1</i> × rs7302981 AA <i>CERS5</i> × rs1799945 CC <i>HFE</i>	-0.98	0.008	L
	6	rs932764 GG <i>PLCE1</i> × rs7302981 GA <i>CERS5</i> × rs1799945 CG <i>HFE</i>	-1.08	0.012	L
3	7	rs7302981 GA <i>CERS5</i> × rs1173771 GA <i>AC026703.1</i> × rs167479 TT <i>RGL3</i>	-0.68	0.019	L
	8	rs7302981 AA <i>CERS5</i> × rs1173771 AA <i>AC026703.1</i> × rs167479 TG <i>RGL3</i>	-0.91	0.036	L
	9	rs7302981 GG <i>CERS5</i> × rs1173771 GA <i>AC026703.1</i> × rs167479 GG <i>RGL3</i>	-0.88	0.041	L
Four-order interaction models					
1	1	rs932764 GG <i>PLCE1</i> × rs7302981 GG <i>CERS5</i> × rs1799945 CC <i>HFE</i> × rs8068318 TC <i>TBX2</i>	-1.75	0.047	L
	2	rs932764 AG <i>PLCE1</i> × rs7302981 AA <i>CERS5</i> × rs1799945 CC <i>HFE</i> × rs8068318 CC <i>TBX2</i>	-0.69	0.032	L
	3	rs932764 GG <i>PLCE1</i> × rs7302981 AA <i>CERS5</i> × rs1799945 CC <i>HFE</i> × rs8068318 CC <i>TBX2</i>	-1.69	0.001	L
	4	rs932764 GG <i>PLCE1</i> × rs7302981 GA <i>CERS5</i> × rs1799945 CG <i>HFE</i> × rs8068318 CC <i>TBX2</i>	-2.13	0.002	L
2	5	rs932764 AA <i>PLCE1</i> × rs7302981 GG <i>CERS5</i> × rs1799945 CC <i>HFE</i> × rs1173771 GA <i>AC026703.1</i>	-2.01	0.019	L
	6	rs932764 GG <i>PLCE1</i> × rs7302981 AA <i>CERS5</i> × rs1799945 CC <i>HFE</i> × rs1173771 GA <i>AC026703.1</i>	-1.48	0.004	L
	7	rs932764 GG <i>PLCE1</i> × rs7302981 GA <i>CERS5</i> × rs1799945 CG <i>HFE</i> × rs1173771 AA <i>AC026703.1</i>	-1.85	0.005	L
3	8	rs932764 AG <i>PLCE1</i> × rs8068318 CC <i>TBX2</i> × rs805303 AA <i>BAG6</i> × rs1173771 GG <i>AC026703.1</i>	-1.63	0.015	L

	9	rs932764 GG <i>PLCE1</i> × rs8068318 TC <i>TBX2</i> × rs805303 GG <i>BAG6</i> × rs1173771 GA <i>AC026703.1</i>	-2.63	0.017	L
	10	rs932764 GG <i>PLCE1</i> × rs8068318 CC <i>TBX2</i> × rs805303 GA <i>BAG6</i> × rs1173771 AA <i>AC026703.1</i>	-1.55	0.009	L
4	11	rs7302981 AA <i>CERS5</i> × rs1799945 CC <i>HFE</i> × rs805303 GG <i>BAG6</i> × rs167479 TG <i>RGL3</i>	-1.38	0.016	L
	12	rs7302981 GG <i>CERS5</i> × rs1799945 CC <i>HFE</i> × rs805303 GG <i>BAG6</i> × rs167479 GG <i>RGL3</i>	-2.24	0.042	L
	13	rs7302981 GG <i>CERS5</i> × rs1799945 CC <i>HFE</i> × rs805303 AA <i>BAG6</i> × rs167479 GG <i>RGL3</i>	-1.33	0.050	L
	14	rs7302981 GA <i>CERS5</i> × rs1799945 CG <i>HFE</i> × rs805303 AA <i>BAG6</i> × rs167479 GG <i>RGL3</i>	-1.62	0.011	L

\* Genotype combinations are derived from the interaction models obtained by the MB-MDR method and described in Tables 3