

**Supplementary Table 1. Hardy-Weinberg equilibrium tests in controls and heart failure (HF) patients at the hypertrophy-associated SNPs.**

GENE/location	SNP	HWE P-value	
		Controls	HF Patients
FAM19A	rs10506410	0.215	0.522
TRIM38	rs10947055	0.340	0.300
ESRRG	rs12757165	0.554	0.683
C15orf54	rs12907914	0.901	0.566
COL17A1	rs1320448	NP	0.748
NRG3	rs1484170	0.152	0.641
FGF1	rs152528	0.359	0.104
HTR2A	rs1575891	0.947	0.310
SLCA1	rs16830359	NP	NP
PLXNA2	rs17259784	0.299	0.987
UBE3A	rs17636733	0.889	0.132
ZWINT	rs1916521	0.709	0.199
PHF11	rs2031532	0.444	0.118
20p12	rs2207418	0.548	<0.01
RAF1	rs3729931	<0.01	0.016
SOX4	rs4236016	NP	NP
GRIK2	rs4520040	0.500	0.156
GRM7	rs4686148	0.811	<0.01
KCNIP4	rs6817687	0.828	0.389
CA8	rs6995588	NP	NP
DPPA4	rs769554	NP	NP

NP, not performed due to small numbers of subjects carrying the minor allele (allele frequency <0.01).