

Table S3. Relationship of SNPs at 9 significant loci to three blood pressure traits

SNP ID	Chr	Position	Minor allele	MAF	Trait	Within-family test		Total-family test	
						Beta	<i>P</i>	Beta	<i>P</i>
rs4463623	1	186567491	C	0.465	<b>DBP</b>	8.93	$1.00 \times 10^{-6}$	2.98	$5.42 \times 10^{-3}$
					SBP	10.68	$2.00 \times 10^{-5}$	5.07	$6.02 \times 10^{-4}$
					MAP	7.97	$3.40 \times 10^{-5}$	4.28	$2.13 \times 10^{-4}$
rs4434808	1	186574912	C	0.465	<b>DBP</b>	8.93	$3.00 \times 10^{-6}$	2.98	$6.51 \times 10^{-3}$
					SBP	10.68	$2.20 \times 10^{-5}$	5.07	$7.16 \times 10^{-4}$
					MAP	7.97	$4.00 \times 10^{-5}$	4.28	$1.96 \times 10^{-4}$
rs1387343	1	186595273	T	0.473	<b>DBP</b>	-7.73	$8.00 \times 10^{-6}$	-2.72	$7.89 \times 10^{-3}$
					SBP	-8.80	$3.11 \times 10^{-4}$	-4.34	$2.47 \times 10^{-3}$
					MAP	-7.13	$1.38 \times 10^{-4}$	-4.22	$1.60 \times 10^{-4}$
rs6596140	5	133049750	C	0.337	<b>DBP</b>	-9.77	$1.00 \times 10^{-6}$	-2.91	$7.55 \times 10^{-3}$
					SBP	-11.97	$3.00 \times 10^{-6}$	-2.74	$7.85 \times 10^{-2}$
					MAP	-9.24	$1.00 \times 10^{-6}$	-2.02	$8.00 \times 10^{-2}$
rs6596142	5	133049839	A	0.378	<b>DBP</b>	-9.21	$1.20 \times 10^{-5}$	-2.59	$2.01 \times 10^{-2}$
					SBP	-10.76	$5.27 \times 10^{-5}$	-2.74	$1.03 \times 10^{-1}$
					MAP	-8.93	$1.00 \times 10^{-5}$	-1.75	$1.50 \times 10^{-1}$
rs9325113	5	148078196	C	0.086	<b>DBP</b>	8.13	$1.57 \times 10^{-3}$	7.80	$7.00 \times 10^{-6}$
					SBP	12.71	$1.37 \times 10^{-4}$	9.40	$9.68 \times 10^{-5}$
					MAP	9.58	$1.16 \times 10^{-3}$	7.57	$1.26 \times 10^{-4}$
rs2075514	16	15780110	T	0.294	<b>DBP</b>	6.43	$3.97 \times 10^{-3}$	5.78	$2.00 \times 10^{-6}$

					<b>SBP</b>	6.14	$3.03 \times 10^{-2}$	6.22	$2.16 \times 10^{-4}$
					<b>MAP</b>	5.49	$1.65 \times 10^{-2}$	5.44	$4.47 \times 10^{-5}$
rs12930697	16	60033003	A	0.481	<b>DBP</b>	-6.96	$5.00 \times 10^{-6}$	-2.01	$3.38 \times 10^{-2}$
					<b>SBP</b>	-8.89	$2.60 \times 10^{-5}$	-2.53	$7.17 \times 10^{-2}$
					<b>MAP</b>	-7.24	$6.00 \times 10^{-6}$	-2.48	$1.95 \times 10^{-2}$
rs1550823	16	60040317	G	0.476	<b>DBP</b>	-6.96	$8.00 \times 10^{-6}$	-2.02	$4.92 \times 10^{-2}$
					<b>SBP</b>	-8.89	$2.60 \times 10^{-5}$	-2.57	$7.72 \times 10^{-2}$
					<b>MAP</b>	-7.24	$7.00 \times 10^{-6}$	-2.47	$2.28 \times 10^{-2}$

MAF, minor allele frequency. Beta is the effect size per allele on blood pressure in mm Hg.