

S6 Table. Trans-ethnic replication of 72 independent SNPs with  $P < 1.0 \times 10^{-6}$  in discover stage for SBP, DBP, PP, HTN or CPASSOC analysis.

ID	Chromosome	Physical Position	Allele1	Allele2	EAF	Trait	Discovery				Trans-ethnic Replication				META Analysis (All)						
							Effect	SE	P Value	N	Effect	SE	P Value	N	Effect	SE	P Value	N			
rs113025995	1	38880204	t	c	0.99	SBP	-7.3798	4.2054	7.93E-02	5212	NA	NA	NA	NA	NA	NA	NA	NA	NA		
							DBP	-2.192	2.0445	2.84E-01	10249	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
							PP	-11.2545	2.2652	6.75E-07	10249	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
							HTN	-0.9586	0.6153	1.19E-01	9282	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
							CPASSOC (SHom)	NA	NA	9.19E-02	5212/10249/9282	NA	NA	NA	NA	NA	NA	NA	9.19E-02	NA	
							CPASSOC (SHet)	NA	NA	2.52E-01	5212/10249/9282	NA	NA	NA	NA	NA	NA	NA	2.52E-01	NA	
rs36064592	1	114462662	a	g	0.43	SBP	0.7792	0.1819	1.85E-05	31970	-0.0888	0.1512	5.57E-01	35270	0.2658	0.1163	2.22E-02	67240	NA		
							DBP	0.1954	0.1094	7.41E-02	31967	-0.0482	0.0926	6.03E-01	35270	0.0535	0.0707	4.49E-01	67237	NA	
							PP	0.6374	0.1295	8.64E-07	31967	-0.018	0.1093	8.69E-01	35270	0.2546	0.0835	2.30E-03	67237	NA	
							HTN	0.0494	0.021	1.88E-02	28229.5	-0.0336	0.0197	8.85E-02	35532	0.0053	0.0144	7.12E-01	63761.5	NA	
							CPASSOC (SHom)	NA	NA	1.61E-03	31970/31976/28229	NA	NA	2.49E-01	35270/35270/35532	NA	NA	5.62E-03	67240/67237/63762	NA	
							CPASSOC (SHet)	NA	NA	1.51E-04	31970/31976/28229	NA	NA	2.27E-01	35270/35270/35532	NA	NA	7.21E-04	67240/67237/63762	NA	
rs12063100	1	188834544	t	g	0.02	SBP	2.9461	0.8816	8.33E-04	19869.9	NA	NA	NA	NA	NA	NA	NA	NA	NA		
							DBP	1.1281	0.5251	3.17E-02	19866.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	
							PP	1.8752	0.6315	2.99E-03	19866.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	
							HTN	-0.19	0.1074	7.67E-02	16108	NA	NA	NA	NA	NA	NA	NA	NA	NA	
							CPASSOC (SHom)	NA	NA	2.37E-01	19869/19869/16108	NA	NA	NA	NA	NA	NA	NA	2.37E-01	NA	
							CPASSOC (SHet)	NA	NA	4.76E-07	19869/19869/16108	NA	NA	NA	NA	NA	NA	NA	4.76E-07	NA	
rs59922837	2	154175435	a	g	0.01	SBP	4.5541	1.2119	1.71E-04	20703	NA	NA	NA	NA	NA	NA	NA	NA	NA		
							DBP	3.5366	0.7007	4.48E-07	20700	NA	NA	NA	NA	NA	NA	NA	NA	NA	
							PP	0.6653	0.827	4.21E-01	22314	NA	NA	NA	NA	NA	NA	NA	NA	NA	
							HTN	0.3643	0.1433	1.10E-02	18451	NA	NA	NA	NA	NA	NA	NA	NA	NA	
							CPASSOC (SHom)	NA	NA	1.39E-05	20703/20700/18451	NA	NA	NA	NA	NA	NA	NA	1.39E-05	NA	
							CPASSOC (SHet)	NA	NA	3.88E-06	20703/20700/18451	NA	NA	NA	NA	NA	NA	NA	3.88E-06	NA	
rs1918172	2	156888500	c	g	0.36	SBP	-0.9154	0.1785	2.90E-07	30714	-0.1877	0.1908	3.25E-01	37930	-0.5758	0.1303	1.00E-05	68644			
							DBP	-0.5079	0.1081	2.61E-06	30711	-0.0854	0.118	4.69E-01	37930	-0.3151	0.0797	7.70E-05	68641		
							PP	-0.4356	0.127	6.04E-04	30711	-0.1969	0.1319	1.35E-01	37930	-0.3207	0.0915	4.54E-04	68641		
							HTN	-0.0346	0.0206	9.26E-02	27243.7	0.0023	0.0233	9.21E-01	38203	-0.0184	0.0154	2.33E-01	65446.7		
							CPASSOC (SHom)	NA	NA	1.82E-05	30714/30711/27243	NA	NA	8.43E-01	37930/37930/37930	NA	NA	7.22E-04	68644/68641/65447		
							CPASSOC (SHet)	NA	NA	1.04E-06	30714/30711/27243	NA	NA	8.82E-01	37930/37930/37930	NA	NA	6.84E-05	68644/68641/65447		
rs7602674	2	184538648	t	c	0.39	SBP	-0.954	0.1934	8.13E-07	30714	-0.118	0.1458	4.18E-01	36162	-0.4211	0.1164	2.99E-04	66876			
							DBP	-0.3614	0.1167	1.96E-03	30711	-0.1669	0.0893	6.18E-02	36162	-0.2387	0.0709	7.64E-04	66873		
							PP	-0.6061	0.1387	1.23E-05	30711	0.038	0.1043	7.15E-01	36162	-0.1945	0.0833	1.96E-02	66873		
							HTN	-0.0578	0.0223	9.66E-03	27230.4	-0.0077	0.0187	6.81E-01	36416	-0.0284	0.0143	4.76E-02	63646.4		
							CPASSOC (SHom)	NA	NA	6.63E-05	30714/30711/27230	NA	NA	9.78E-02	36162/36162/36416	NA	NA	1.40E-04	66876/66873/63646		
							CPASSOC (SHet)	NA	NA	7.00E-06	30714/30711/27230	NA	NA	1.73E-01	36162/36162/36416	NA	NA	3.75E-05	66876/66873/63646		
rs62180365	2	192934117	t	g	0.77	SBP	1.0454	0.2024	2.41E-07	31970	-0.0247	0.1277	8.47E-01	38978	0.2799	0.108	9.54E-03	70948			
							DBP	0.4723	0.1217	1.05E-04	31967	0.0638	0.0785	4.16E-01	38978	0.1838	0.066	5.32E-03	70945		
							PP	0.6162	0.1439	1.86E-05	31967	-0.1154	0.0912	2.06E-01	38978	0.0942	0.077	2.22E-01	70945		
							HTN	0.1016	0.0233	1.31E-05	27922.8	-0.0192	0.0168	2.51E-01	39247	0.022	0.0136	1.06E-01	67169.8		
							CPASSOC (SHom)	NA	NA	2.63E-07	31970/31967/27922	NA	NA	5.44E-01	38978/38978/39247	NA	NA	2.36E-05	70948/70945/67170		
							CPASSOC (SHet)	NA	NA	6.41E-07	31970/31967/27922	NA	NA	4.19E-01	38978/38978/39247	NA	NA	3.22E-05	70948/70945/67170		
2:210033781:AT_A	2	210033781	a	at	0.06	SBP	-1.3903	0.3929	4.03E-04	28554	-0.0632	0.2028	7.55E-01	49649	-0.3424	0.1802	5.75E-02	78203			
							DBP	0.0739	0.2321	7.50E-01	28551	-0.0529	0.1233	6.68E-01	49649	-0.025	0.1089	8.18E-01	78200		
							PP	-1.6191	0.2926	3.13E-08	24802	-0.2198	0.1308	9.30E-02	46093	-0.453	0.1194	1.49E-04	70895		
							HTN	-0.1021	0.0475	3.17E-02	20615.5	-0.0153	0.0275	5.79E-01	36192	-0.0371	0.0238	1.19E-01	56807.5		
							CPASSOC (SHom)	NA	NA	4.67E-02	28554/28551/20615	NA	NA	4.25E-01	49649/49649/36192	NA	NA	1.25E-01	78203/78200/56808		
							CPASSOC (SHet)	NA	NA	1.68E-06	28554/28551/20615	NA	NA	7.56E-01	49649/49649/36192	NA	NA	7.61E-05	78203/78200/56808		
rs737126	2	231896779	a	g	0.24	SBP	0.7711	0.2281	7.23E-04	30841	0.1842	0.1775	3.00E-01	35171	0.4056	0.1401	3.79E-03	66012			
							DBP	0.6105	0.1348	5.97E-06	30838	0.0421	0.1087	6.98E-01	35171	0.2661	0.0846	1.66E-03	66009		
							PP	0.1599	0.1628	3.26E-01	28703	0.1227	0.1261	3.30E-01	35171	0.1367	0.0997	1.70E-01	63874		
							HTN	0.1225	0.0263	3.27E-06	26789	0.0207	0.0225	3.58E-01	35399	0.0638	0.0171	1.93E-04	62188		
							CPASSOC (SHom)	NA	NA	7.79E-07	30841/30838/26789	NA	NA	3.30E-01	35171/35171/35399	NA	NA	1.18E-05	66012/66009/62188		
							CPASSOC (SHet)	NA	NA	1.51E-06	30841/30838/26789	NA	NA	6.77E-01	35171/35171/35399	NA	NA	5.76E-05	66012/66009/62188		
rs17042306	3	5381728	a	g	0.88	SBP	-1.2546	0.2849	1.06E-05	31970	0.397	0.254	1.18E-01	35125	-0.3344	0.1896	7.78E-02	67095			
							DBP	-0.7937	0.17	3.05E-06	31967	0.1412	0.1565	3.67E-01	35125	-0.2877	0.1151	1.25E-02	67092		
							PP	-0.538	0.2053	8.77E-03	30918	0.3106	0.1873	9.73E-02	35125	-0.0749	0.1384	5.88E-01	66043		
							HTN	-0.126	0.0329	1.30E-04	27727.9	-0.0011	0.0332	9.74E-01	35383	-0.0641	0.0234	6.08E-03	63110.9		
							CPASSOC (SHom)	NA	NA	6.58E-07	31970/31967/27727	NA	NA	7.03E-01	35125/35125/35383	NA	NA	2.96E-05	67095/67092/63111		
							CPASSOC (SHet)	NA	NA	5.69E-06	31970/31967/27727	NA	NA	4.46E-01	35125/35125/35383	NA	NA	9.94E-05	67095/67092/63111		
rs114821199	3	40965875	a	g	0.01	SBP	4.4192	1.0433	2.28E-05	22648	-1.7438	2.3296	4.54E-01	13817	3.3896	0.9522	3.71E-04	36465			
							DBP	0.2012	0.6004	7.38E-01	22645	-0.569	1.4464	6.94E-01	13817	0.088	0.5545	8.74E-01	36462		
							PP	4.2099	0.7349	1.01E-08	22645	-0.3834	0.8188	6.40E-01	16476	2.1606	0.5469	7.80E-05	39121		
							HTN	0.1781	0.121	1.41E-01	20396	-0.2443	0.1603	1.28E-01	16692	0.0248	0.0966	7.97E-01	37088		
							CPASSOC (SHom)	NA	NA	2.92E-02	22648/22645/20396	NA	NA	5.10E-01	13817/13817/16692	NA	NA	1.10E-01	36465/36462/37088		
							CPASSOC (SHet)	NA	NA	1.87E-04	22648/22645/20396	NA	NA	7.50E-01	13817/13817/16692	NA	NA	4.00E-03	36465/36462/37088		
rs7651190 <sup>a</sup>	3	41765955	a	g	0.35	SBP	0.0447	0.1825	8.07E-01	30356	-0.0501	0.1392	7.19E-01	51662	-0.0152	0.1107	8.91E-01	82018			
							DBP	-0.4501	0.1099	4.20E-05	30353	-0.3808	0.0863	1.02E-05	51662	-0.4072	0.0679	1.97E-09	82015		
							PP	0.4271	0.1323	1.25E-03	30918	0.125	0.099	2.07E-01	51662	0.2335	0.0793	3.23E-03	82580		
							HTN	-0.0563	0.0215	8.79E-03	26905.7	-0.0179	0.0188	3.39E-01	51935	-0.0345	0.0141	1.46E-02	78840.7		
							CPASSOC (SHom)	NA	NA	7.47E-03	30356/30353										



						CPASSOC (SHet)	NA	NA	1.63E-06	31970/31967/27870	NA	NA	4.15E-01	37570/37570/37839	NA	NA	3.03E-05	69540/69537/65910
rs7006531*	8	95110744	a	g	0.85	SBP	-0.8494	0.2372	3.43E-04	31970	-0.7612	0.4429	8.57E-02	40920	-0.8297	0.2091	7.25E-05	72890
						DBP	0.3108	0.1433	3.01E-02	31967	0.457	0.3875	2.38E-01	38254	0.3284	0.1344	1.46E-02	70221
						PP	<b>-1.1601</b>	<b>0.168</b>	<b>5.03E-12</b>	<b>31967</b>	-0.5275	0.3176	9.67E-02	40920	<b>-1.0218</b>	<b>0.1485</b>	<b>5.96E-12</b>	<b>72887</b>
						HTN	-0.0152	0.0274	5.78E-01	27733.8	0.0403	0.0882	6.48E-01	38526	-0.0103	0.0262	6.94E-01	66259.8
						CPASSOC (SHom)	NA	NA	5.63E-01	31970/31967/27733	NA	NA	9.11E-01	40920/38254/38526	NA	NA	9.22E-01	72890/70221/66260
						CPASSOC (SHet)	NA	NA	<b>7.56E-14</b>	<b>31970/31967/27733</b>	NA	NA	<b>6.13E-03</b>	<b>40920/38254/38526</b>	NA	NA	<b>2.19E-13</b>	<b>72890/70221/66260</b>
rs186208701	8	99580116	t	c	0.99	SBP	-0.9056	0.8754	3.01E-01	23777	NA	NA	NA	NA	NA	NA	NA	NA
						DBP	1.291	0.5168	1.25E-02	23774	NA	NA	NA	NA	NA	NA	NA	NA
						PP	-2.117	0.623	6.79E-04	25388	NA	NA	NA	NA	NA	NA	NA	NA
						HTN	-0.1806	0.1002	7.15E-02	21525	NA	NA	NA	NA	NA	NA	NA	NA
						CPASSOC (SHom)	NA	NA	8.82E-01	23777/23774/21525	NA	NA	NA	NA	NA	NA	NA	8.82E-01
						CPASSOC (SHet)	NA	NA	7.77E-07	23777/23774/21525	NA	NA	NA	NA	NA	NA	7.77E-07	NA
rs187821766	8	99741278	t	c	0.02	SBP	0.6681	0.9348	4.75E-01	14176	NA	NA	NA	NA	NA	NA	NA	NA
						DBP	-1.6757	0.5577	2.66E-03	14173	NA	NA	NA	NA	NA	NA	NA	NA
						PP	2.2392	0.6959	1.29E-03	14173	NA	NA	NA	NA	NA	NA	NA	NA
						HTN	0.1939	0.1049	6.45E-02	12891	NA	NA	NA	NA	NA	NA	NA	NA
						CPASSOC (SHom)	NA	NA	8.91E-01	14176/14173/12891	NA	NA	NA	NA	NA	NA	NA	8.91E-01
						CPASSOC (SHet)	NA	NA	9.25E-08	14176/14173/12891	NA	NA	NA	NA	NA	NA	9.25E-08	NA
rs79455834	8	122045324	a	c	0.96	SBP	1.7549	0.4515	1.02E-04	31155	0.1733	1.275	8.92E-01	27691	1.5787	0.4256	2.08E-04	58846
						DBP	1.1009	0.274	5.85E-05	31152	0.8366	0.8333	3.15E-01	27691	1.0751	0.2603	3.62E-05	58843
						PP	0.7324	0.319	2.17E-02	31152	-0.7314	0.9673	4.50E-01	27691	0.5888	0.3029	5.20E-02	58843
						HTN	0.2535	0.0527	1.48E-06	26392.1	0.125	0.1893	5.09E-01	27958	0.2443	0.0508	1.50E-06	54350.1
						CPASSOC (SHom)	NA	NA	6.55E-07	31155/31152/26392	NA	NA	3.26E-01	27691/27691/27958	NA	NA	9.95E-06	58846/58843/54350
						CPASSOC (SHet)	NA	NA	4.93E-06	31155/31152/26392	NA	NA	7.52E-01	27691/27691/27958	NA	NA	1.91E-04	58846/58843/54350
rs3866719	8	134932570	t	c	0.82	SBP	1.084	0.235	3.98E-06	30714	-0.0146	0.1309	9.11E-01	36781	0.2456	0.1144	3.18E-02	67495
						DBP	0.583	0.1423	4.21E-05	30711	0.0827	0.0802	3.03E-01	36781	0.2033	0.0699	3.62E-03	67492
						PP	0.5419	0.1685	1.30E-03	30711	-0.0892	0.0937	3.41E-01	36781	0.06	0.0819	4.64E-01	67492
						HTN	0.1148	0.0271	2.22E-05	18238	-0.0102	0.0172	5.53E-01	37024	0.0256	0.0145	7.71E-02	55262
						CPASSOC (SHom)	NA	NA	5.87E-07	30714/30711/18238	NA	NA	8.24E-01	36781/36781/37024	NA	NA	3.58E-05	67495/67492/55262
						CPASSOC (SHet)	NA	NA	5.08E-06	30714/30711/18238	NA	NA	7.18E-01	36781/36781/37024	NA	NA	1.81E-04	67495/67492/55262
rs78192203*	8	142375073	a	t	0.20	SBP	-0.8242	0.2257	2.61E-04	31970	-2.0961	0.5973	4.50E-04	30714	-0.9831	0.2111	3.22E-06	62684
						DBP	<b>-0.7722</b>	<b>0.1357</b>	<b>1.26E-08</b>	<b>31967</b>	<b>-1.3428</b>	<b>0.3686</b>	<b>2.69E-04</b>	<b>30714</b>	<b>-0.8403</b>	<b>0.1273</b>	<b>4.15E-11</b>	<b>62681</b>
						PP	-0.1477	0.1597	3.55E-01	31967	-1.3663	0.4247	1.29E-03	39423	-0.2987	0.1495	4.57E-02	71390
						HTN	-0.0756	0.026	3.58E-03	27820.6	-0.2519	0.0857	3.28E-03	30714	-0.0905	0.0249	2.77E-04	58534.6
						CPASSOC (SHom)	NA	NA	2.33E-06	31970/31967/27820	NA	NA	1.66E-03	30714/30714/30714	NA	NA	1.42E-07	62684/62681/58535
						CPASSOC (SHet)	NA	NA	1.09E-07	31970/31967/27820	NA	NA	2.85E-03	30714/30714/30714	NA	NA	1.69E-08	62684/62681/58535
rs114334738	9	28165671	t	c	0.94	SBP	1.6453	0.4236	1.03E-04	31970	3.7745	5.6727	5.06E-01	20901	1.6571	0.4224	8.75E-05	52871
						DBP	1.2762	0.2552	5.73E-07	31967	1.7709	3.7499	6.37E-01	20901	1.2785	0.2546	5.13E-07	52868
						PP	0.3841	0.2996	2.00E-01	31967	2.7247	4.3212	5.28E-01	20901	0.3953	0.2989	1.86E-01	52868
						HTN	0.1069	0.0505	3.42E-02	27225.6	-0.2018	0.9575	8.33E-01	21170	0.106	0.0504	3.55E-02	48395.6
						CPASSOC (SHom)	NA	NA	2.88E-05	31970/31967/27225	NA	NA	8.99E-01	20901/20901/21170	NA	NA	1.22E-03	52871/52868/48396
						CPASSOC (SHet)	NA	NA	4.94E-06	31970/31967/27225	NA	NA	7.72E-01	20901/20901/21170	NA	NA	2.01E-04	52871/52868/48396
rs71512425	9	28165694	a	g	0.80	SBP	0.8122	0.225	3.07E-04	31970	0.0033	0.1894	9.86E-01	35538	0.3389	0.1449	1.94E-02	67508
						DBP	0.6974	0.1348	2.32E-07	31967	-0.0322	0.1102	7.70E-01	38168	0.2599	0.0853	2.31E-03	70135
						PP	0.124	0.1605	4.40E-01	31967	-0.0253	0.1422	8.59E-01	35538	0.0403	0.1064	7.05E-01	67505
						HTN	0.0456	0.0262	8.12E-02	27878.6	0.0318	0.0252	2.06E-01	35798	0.0384	0.0182	3.42E-02	63676.6
						CPASSOC (SHom)	NA	NA	6.47E-05	31970/31967/27879	NA	NA	6.75E-01	35538/38168/35798	NA	NA	1.42E-03	67508/70135/63677
						CPASSOC (SHet)	NA	NA	1.99E-06	31970/31967/27879	NA	NA	3.84E-01	35538/38168/35798	NA	NA	3.27E-05	67508/70135/63677
rs115795127 <sup>bc</sup>	9	85993901	t	c	0.89	SBP	0.9906	0.2847	5.03E-04	31970	8.7717	9.0475	3.32E-01	4473	0.9983	0.2846	4.51E-04	36443
						DBP	0.4763	0.1716	5.52E-03	31967	0.7026	6.6522	9.16E-01	4473	0.4765	0.1715	5.48E-03	36440
						PP	0.5871	0.2022	3.69E-03	31967	9.2572	8.6147	2.83E-01	4473	0.5919	0.2021	3.41E-03	36440
						HTN	0.172	0.0325	1.23E-07	27675.5	<b>4.4894</b>	<b>1.6767</b>	<b>7.42E-03</b>	<b>4473</b>	<b>0.1736</b>	<b>0.0325</b>	<b>1.13E-08</b>	<b>32148.5</b>
						CPASSOC (SHom)	NA	NA	5.10E-06	31970/31967/27675	NA	NA	1.07E-01	4473/4473/4473	NA	NA	8.42E-06	36443/36440/32149
						CPASSOC (SHet)	NA	NA	1.05E-06	31970/31967/27675	NA	NA	<b>8.41E-06</b>	<b>4473/4473/4473</b>	NA	NA	<b>7.30E-09</b>	<b>36443/36440/32149</b>
rs190531342	9	114719568	t	c	0.92	SBP	-1.5414	0.4156	2.09E-04	30356	3.5014	1.4213	1.38E-02	28014	-1.1442	0.3989	4.13E-03	58370
						DBP	-1.0192	0.2484	4.09E-05	30353	1.8065	0.8716	3.82E-02	28014	-0.807	0.2389	7.30E-04	58367
						PP	-0.5053	0.2939	8.55E-02	31967	1.6605	1.151	1.49E-01	28014	-0.3727	0.2848	1.91E-01	59981
						HTN	-0.2325	0.0495	2.65E-06	25877.2	0.2763	0.171	1.06E-01	28286	-0.1932	0.0475	4.86E-05	54163.2
						CPASSOC (SHom)	NA	NA	9.63E-07	30356/30353/25877	NA	NA	6.07E-02	28014/28014/28286	NA	NA	1.99E-06	58370/58367/54163
						CPASSOC (SHet)	NA	NA	5.19E-06	30356/30353/25877	NA	NA	2.10E-01	28014/28014/28286	NA	NA	3.61E-05	58370/58367/54163
rs10123054	9	128452054	t	c	0.65	SBP	-0.6921	0.182	1.43E-04	31003	-0.2167	0.1298	9.51E-02	37754	-0.377	0.1057	3.61E-04	68757
						DBP	-0.5706	0.11	2.13E-07	31000	-0.0705	0.0798	3.77E-01	37754	-0.2428	0.0646	1.70E-04	68754
						PP	-0.0933	0.1302	4.74E-01	31000	-0.159	0.0927	8.61E-02	37754	-0.1369	0.0755	6.97E-02	68754
						HTN	-0.0667	0.021	1.48E-03	27582.1	-0.0131	0.0173	4.50E-01	38026	-0.0348	0.0134	9.22E-03	65608.1
						CPASSOC (SHom)	NA	NA	2.70E-06	31003/31000/27582	NA	NA	3.23E-01	37754/37754/38026	NA	NA	3.42E-05	68757/68754/65608
						CPASSOC (SHet)	NA	NA	1.85E-06	31003/31000/27582	NA	NA	6.78E-01	37754/37754/38026	NA	NA	6.89E-05	68757/68754/65608
rs28687694	9	128483092	t	c	0.26	SBP	0.8674	0.2036	2.05E-05	28472	-0.146	0.142	3.04E-01	37494	0.1856	0.1165	1.11E-01	65966
						DBP	0.5658	0.1233	4.43E-06	28469	-0.1233	0.0877	1.60E-01	37494	0.1081	0.0715	1.30E-01	



rs10842715	12	26487183	t	g	0.46	PP	-0.1279	0.1228	2.98E-01	30838	-0.0402	0.0926	6.64E-01	38701	-0.072	0.0739	3.30E-01	69539
						HTN	-0.1026	0.0204	4.79E-07	26649	-0.0133	0.0171	4.37E-01	38971	-0.0502	0.0131	1.29E-04	65620
						CPASSOC (SHom)	NA	NA	2.50E-04	30841/30838/26649	NA	NA	7.30E-01	38701/38701/38971	NA	NA	9.63E-03	69542/69539/65620
						CPASSOC (SHet)	NA	NA	4.26E-06	30841/30838/26649	NA	NA	4.64E-01	38701/38701/38971	NA	NA	1.81E-04	69542/69539/65620
12:53049050:AC_A	12	53049050	a	ac	0.86	SBP	-1.7032	0.4322	8.11E-05	17426	0.6576	0.2759	1.72E-02	28247	-0.0259	0.2326	9.11E-01	45673
						DBP	-1.1805	0.2708	1.30E-05	17426	0.0525	0.1626	7.47E-01	28247	-0.2741	0.1394	4.92E-02	45673
						PP	-0.46	0.3141	1.43E-01	15812	0.6155	0.1932	1.45E-03	28247	0.3202	0.1646	5.17E-02	44059
						HTN	-0.2433	0.0554	1.15E-05	11700	-0.0151	0.0431	7.26E-01	19441	-0.1011	0.034	2.95E-03	31141
rs113866309 <sup>b,c</sup>	12	66516948	t	c	0.98	CPASSOC (SHom)	NA	NA	7.67E-07	17426/17426/11700	NA	NA	9.72E-01	28247/28247/19441	NA	NA	1.13E-05	45673/45673/31141
						CPASSOC (SHet)	NA	NA	5.49E-06	17426/17426/11700	NA	NA	1.21E-01	28247/28247/19441	NA	NA	1.01E-05	45673/45673/31141
						SBP	-3.7312	0.8675	1.70E-05	23760	-12.0824	10.7806	2.60E-01	10729	-3.7821	0.8633	1.24E-05	34489
						DBP	-0.6665	0.5167	1.97E-01	23757	8.3116	7.3912	2.63E-01	10729	-0.2559	0.4539	2.33E-01	34486
rs144058433	13	73013077	t	c	0.14	PP	-3.2809	0.6275	1.71E-07	23757	<b>-9.7833</b>	<b>3.3063</b>	<b>1.50E-03</b>	<b>9684</b>	<b>-2.2172</b>	<b>0.5424</b>	<b>8.24E-09</b>	<b>33441</b>
						HTN	-0.2244	0.1033	2.99E-02	22043	-3.5217	3.3044	2.83E-01	10729	-0.1475	0.0943	2.74E-02	32772
						CPASSOC (SHom)	NA	NA	3.91E-03	23760/23757/22043	NA	NA	3.50E-01	10729/10729/10729	NA	NA	1.87E-02	34489/34486/32772
						CPASSOC (SHet)	NA	NA	1.40E-04	23760/23757/22043	NA	NA	1.60E-02	10729/10729/10729	NA	NA	4.78E-05	34489/34486/32772
rs2414856	15	65072461	a	g	0.51	SBP	1.1947	0.2826	2.37E-05	31969.9	-0.1628	0.255	5.23E-01	36119	0.4465	0.1893	1.84E-02	68088.9
						DBP	0.8518	0.1695	5.03E-07	31966.9	0.023	0.1622	8.87E-01	36119	0.4192	0.1172	3.48E-04	68085.9
						PP	0.3197	0.2002	1.10E-01	31966.9	-0.1381	0.1718	4.21E-01	36119	0.0561	0.1304	6.67E-01	68085.9
						HTN	0.1119	0.0327	6.29E-04	27732.3	-0.0032	0.0337	9.24E-01	36364	0.056	0.0235	1.69E-02	64096.3
rs12445099	16	57890233	a	g	0.67	CPASSOC (SHom)	NA	NA	1.08E-06	31969/31966/27732	NA	NA	5.35E-01	36119/36119/36364	NA	NA	3.00E-05	68089/68086/64096
						CPASSOC (SHet)	NA	NA	4.35E-06	31969/31966/27732	NA	NA	9.11E-01	36119/36119/36364	NA	NA	2.55E-04	68089/68086/64096
						SBP	0.6013	0.1944	1.98E-03	31970	0.2477	0.2368	2.95E-01	35367	0.4589	0.1502	2.25E-03	67337
						DBP	0.2529	0.117	3.07E-02	31967	0.0723	0.1436	6.14E-01	35367	0.1808	0.0907	4.62E-02	67334
rs12149202	16	85700360	a	g	0.11	PP	0.36	0.1373	8.74E-03	31967	0.2399	0.1813	1.86E-01	35367	0.3162	0.1095	3.86E-03	67334
						HTN	-0.1193	0.023	2.16E-07	27573.2	-0.0317	0.0303	2.94E-01	35599	0.064	0.0183	4.74E-04	63172.2
						CPASSOC (SHom)	NA	NA	3.40E-05	31970/31967/27573	NA	NA	7.75E-01	35367/35367/35599	NA	NA	1.04E-03	67337/67334/63172
						CPASSOC (SHet)	NA	NA	1.86E-06	31970/31967/27573	NA	NA	1.89E-01	35367/35367/35599	NA	NA	1.29E-05	67337/67334/63172
rs17721557	17	27260017	t	c	0.21	SBP	-1.3354	0.3011	9.21E-06	31970	0.0767	0.1592	6.30E-01	36873	-0.2319	0.1408	9.94E-02	68843
						DBP	-0.6867	0.1813	1.53E-04	31967	0.0948	0.0976	3.32E-01	36873	-0.0809	0.086	3.47E-01	68840
						PP	-0.7034	0.2168	1.18E-03	31967	-0.0135	0.1142	9.06E-01	36873	-0.1633	0.101	1.06E-01	68840
						HTN	-0.1877	0.0345	5.14E-08	27643.5	-0.0224	0.0205	2.73E-01	37140	-0.0655	0.0176	2.01E-04	64783.5
rs17721557	17	27260017	t	c	0.21	CPASSOC (SHom)	NA	NA	9.24E-08	31970/31967/27643	NA	NA	9.99E-01	36973/36873/37140	NA	NA	1.33E-05	68843/68840/64784
						CPASSOC (SHet)	NA	NA	2.98E-07	31970/31967/27643	NA	NA	4.49E-01	36973/36873/37140	NA	NA	7.52E-06	68843/68840/64784
						SBP	1.0488	0.2099	5.82E-07	30086	0.0711	0.2085	7.33E-01	37483	0.5566	0.1479	1.68E-04	67569
						DBP	0.5784	0.1266	4.87E-06	30083	0.1056	0.1271	4.06E-01	37483	0.343	0.0897	1.32E-04	67566
rs114296860	17	51285996	t	c	0.02	PP	0.5216	0.1497	4.93E-04	30083	-0.063	0.1532	6.81E-01	37483	0.236	0.1071	2.75E-02	67566
						HTN	0.0597	0.0245	1.47E-02	25498.2	0.0076	0.0273	7.81E-01	37756	0.0365	0.0182	4.55E-02	63254.2
						CPASSOC (SHom)	NA	NA	6.13E-06	30086/30083/25498	NA	NA	6.14E-01	37483/37483/37756	NA	NA	1.66E-04	67569/67566/63254
						CPASSOC (SHet)	NA	NA	2.22E-06	30086/30083/25498	NA	NA	5.88E-01	37483/37483/37756	NA	NA	1.24E-04	67569/67566/63254
rs2832976	21	32037484	t	c	0.16	SBP	2.5521	0.6484	8.29E-05	30321	-11.985	14.626	4.13E-01	9684	2.5236	0.6478	9.79E-05	40005
						DBP	1.6074	0.3904	3.84E-05	30318	-5.247	8.863	5.54E-01	9684	1.5941	0.39	4.37E-05	40002
						PP	1.1088	0.4557	1.50E-02	30318	-6.88	10.815	5.25E-01	9684	1.0946	0.4553	1.62E-02	40002
						HTN	-0.042	0.0772	5.86E-01	25456	-0.676	4.305	8.75E-01	9684	-0.0422	0.0772	5.85E-01	35140
rs62225706	22	26680705	a	c	0.03	CPASSOC (SHom)	NA	NA	7.16E-03	30321/30318/25456	NA	NA	5.80E-01	9684/9684/9684	NA	NA	2.69E-02	40005/40002/35140
						CPASSOC (SHet)	NA	NA	2.65E-07	30321/30318/25456	NA	NA	8.47E-01	9684/9684/9684	NA	NA	3.66E-06	40005/40002/35140
						SBP	-1.1975	0.2602	4.19E-06	31969.9	-0.0669	0.1387	6.30E-01	39617	-0.3172	0.1224	9.58E-03	71586.9
						DBP	-0.3333	0.1564	3.31E-02	31966.9	-0.0361	0.0862	6.75E-01	37007	-0.1054	0.0755	1.63E-01	68973.9
rs6006767	22	45927045	t	c	0.94	PP	-0.9467	0.1865	3.86E-07	31966.9	0.038	0.0992	7.02E-01	39617	-0.179	0.0876	4.09E-02	71583.9
						HTN	-0.0719	0.0302	1.72E-02	27732.2	-0.0097	0.0179	5.89E-01	39832	-0.0259	0.0154	9.27E-02	67564.2
						CPASSOC (SHom)	NA	NA	6.57E-04	31969/31969/27732	NA	NA	5.47E-01	39617/37007/39832	NA	NA	6.97E-03	71587/68974/67564
						CPASSOC (SHet)	NA	NA	3.54E-05	31969/31969/27732	NA	NA	8.52E-01	39617/37007/39832	NA	NA	1.29E-03	71587/68974/67564
rs6006767	22	45927045	t	c	0.94	SBP	-3.9669	0.8283	1.68E-06	16221	-0.0782	0.4006	8.45E-01	26143	-0.8154	0.3607	2.38E-02	42364
						DBP	-2.624	0.4943	1.10E-07	15169	-0.028	0.2441	9.09E-01	26143	-0.537	0.2189	1.42E-02	41312
						PP	-1.6075	0.6099	8.40E-03	16218	0.1566	0.3286	6.34E-01	26143	-0.2403	0.2893	4.06E-01	42361
						HTN	-0.2607	0.0964	6.85E-03	12891	-0.0344	0.0464	4.58E-01	26387	-0.077	0.0418	6.55E-02	39278
rs6006767	22	45927045	t	c	0.94	CPASSOC (SHom)	NA	NA	1.17E-06	16221/15169/12891	NA	NA	5.17E-01	26143/26143/26387	NA	NA	3.06E-05	42364/41312/39278
						CPASSOC (SHet)	NA	NA	4.62E-07	16221/15169/12891	NA	NA	7.73E-01	26143/26143/26387	NA	NA	2.57E-05	42364/41312/39278
						SBP	-1.0401	0.3723	5.21E-03	31970	-0.3444	0.2025	8.90E-02	37910	-0.5033	0.1779	4.67E-03	69880
						DBP	-1.1597	0.2295	4.37E-07	30918	-0.2582	0.1245	3.81E-02	38497	-0.4632	0.1094	2.31E-05	69415
rs6006767	22	45927045	t	c	0.94	PP	0.0491	0.2651	8.53E-01	31967	-0.1627	0.1418	2.51E-01	37910	-0.1156	0.125	3.55E-01	69877
						HTN	-0.0763	0.0455	9.35E-02	25742.1	-0.0151	0.0266	5.70E-01	38183	-0.0307	0.023	1.81E-01	63925.1
						CPASSOC (SHom)	NA	NA	2.63E-04	31970/30918/25742	NA	NA	2.63E-01	37910/38497/38183	NA	NA	1.36E-03	69880/69415/63925
						CPASSOC (SHet)	NA	NA	3.76E-06	31970/30918/25742	NA	NA	2.77E-01	37910/38497/38183	NA	NA	3.79E-05	69880/69415/63925

N: sample size for CPASSOC refers the sample sizes of SBP/DBP/HTN

<sup>a</sup> Variants identified reaching genome-wide significant threshold of  $5.0 \times 10^{-8}$  in discovery stage and successfully replicated with experimental significance in replication

<sup>b</sup> Variants identified not reaching genome-wide significant threshold of  $5.0 \times 10^{-8}$  in discovery stage but replicated with experimental significance in replication

<sup>c</sup> Novel blood pressure loci identified in current study

Bold statistics are the corresponding significant statistics for significant of identified variants