

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

ID	chr	pos	A1	A2	SBP				DBP				HTN				PP				CPASSOC-SHom		CPASSOC-SHet		1KG_African_freq	1KG_European_freq
					Effect	StdErr	P-value	N	Effect	StdErr	P-value	N	Effect	StdErr	P-value	N	Effect	StdErr	P-value	N	P-value	P-value				
rs11302595	1	38880204	t	c	0.99	-7.38	4.21	7.90E-02	5212	-2.19	2.04	2.80E-01	10249	-0.96	0.62	1.20E-01	9282	-11.25	2.27	6.80E-07	10249	9.19E-02	2.52E-01	0.99	1	
rs36064592	1	114462662	a	g	0.43	0.78	0.18	1.80E-05	31970	0.2	0.11	7.40E-02	31967	0.05	0.02	1.90E-02	28230	0.64	0.13	8.60E-07	31967	1.61E-03	1.51E-04	0.5	0.34	
rs12063100	1	188834544	t	g	0.02	2.95	0.88	8.30E-04	19870	1.13	0.53	3.20E-02	19867	-0.19	0.11	7.70E-02	16108	1.88	0.63	3.00E-03	19867	2.37E-01	4.76E-07	0.02	0	
rs59922837	2	154175435	a	g	0.01	4.55	1.21	1.70E-04	20703	3.54	0.7	4.50E-07	20700	0.36	0.14	1.10E-02	18451	0.67	0.83	4.20E-01	22314	1.39E-05	3.88E-06	0	0	
rs1918172	2	156888500	c	g	0.36	-0.92	0.18	2.90E-07	30714	-0.51	0.11	2.60E-06	30711	-0.03	0.02	9.30E-02	27244	-0.44	0.13	6.00E-04	30711	1.82E-05	1.04E-06	0.41	0.11	
rs7602674	2	184538648	t	c	0.39	-0.95	0.19	8.10E-07	30714	-0.36	0.12	2.00E-03	30711	-0.06	0.02	9.70E-03	27230	-0.61	0.14	1.20E-05	30711	6.63E-05	7.00E-06	0.34	0.47	
rs62180365	2	192934117	t	g	0.77	1.05	0.2	2.40E-07	31970	0.47	0.12	1.00E-04	31967	0.1	0.02	1.30E-05	27923	0.62	0.14	1.90E-05	31967	2.63E-07	6.41E-07	0.79	0.47	
2:210033781:AT_A^a	2	210033781	a	at	0.06	-1.39	0.39	4.00E-04	28554	0.07	0.23	7.50E-01	28551	-0.1	0.05	3.20E-02	20616	-1.62	0.29	3.10E-08	24802	4.67E-02	1.68E-06	0.06	0.13	
rs737126	2	231896779	a	g	0.24	0.77	0.23	7.20E-04	30841	0.61	0.13	6.00E-06	30838	0.12	0.03	3.30E-06	26789	0.16	0.16	3.30E-01	28703	7.79E-07	1.51E-06	0.28	0.25	
rs17042306	3	5381728	a	g	0.88	-1.25	0.28	1.10E-05	31970	-0.79	0.17	3.00E-06	31967	-0.13	0.03	1.30E-04	27728	-0.54	0.21	8.80E-03	30918	6.58E-07	5.69E-06	0.89	0.9	
rs114821199^a	3	40965875	a	g	0.01	4.42	1.04	2.30E-05	22648	0.2	0.6	7.40E-01	22645	0.18	0.12	1.40E-01	20396	4.21	0.73	1.00E-08	22645	2.92E-02	1.87E-04	0.02	0	
rs7651190^b	3	41765955	a	g	0.35	0.04	0.18	8.10E-01	30356	-0.45	0.11	4.20E-05	30353	-0.06	0.02	8.80E-03	26906	0.43	0.13	1.30E-03	30918	7.47E-03	6.87E-09	0.28	0.81	
rs147428270^b	3	41868721	t	c	0.63	0.09	0.21	6.80E-01	31970	-0.51	0.13	4.60E-05	31967	-0.05	0.02	5.80E-02	28443	0.47	0.15	2.00E-03	30918	2.16E-02	2.49E-08	0.57	0.97	
rs7372217	3	41990122	a	g	0.34	-0.14	0.19	4.60E-01	29585	-0.55	0.11	9.50E-07	29582	-0.07	0.02	1.40E-03	25731	0.33	0.14	1.60E-02	28533	3.55E-04	8.21E-06	0.29	0.8	
rs9864989	3	52684365	t	g	0.03	2.95	0.63	3.20E-06	19178	1.78	0.37	1.90E-06	19175	0.31	0.08	9.70E-05	15416	1.3	0.47	6.00E-03	19740	2.99E-07	2.59E-06	0.05	0	
rs7654819	4	11618714	a	c	0.27	-0.6	0.19	2.00E-03	31970	-0.4	0.12	5.20E-04	31967	0.04	0.02	1.10E-01	27987	-0.23	0.14	9.20E-02	31540	9.15E-02	5.77E-08	0.29	0.3	
rs192457787	4	58795698	a	c	0.99	-9.35	2.33	6.10E-05	14601	-0.95	1.28	4.60E-01	15515	-0.4	0.29	1.70E-01	14605	-8.43	1.61	1.60E-07	15515	2.60E-02	4.83E-04	1	1	
rs150834401	4	103164224	t	c	0.11	1.16	0.28	4.80E-05	31970	0.86	0.17	4.80E-07	31967	0.04	0.03	1.90E-01	27648	0.31	0.2	1.20E-01	31540	9.27E-05	4.11E-06	0.14	0	
rs62312401^a	4	116987529	a	g	0.94	1.64	0.4	3.80E-05	30356	1.31	0.24	3.50E-08	30353	0.13	0.05	5.00E-03	24655	0.61	0.29	3.50E-02	31540	1.91E-06	3.04E-07	0.96	0.77	
rs182783477	4	123592734	c	g	0.98	-2.82	0.7	6.10E-05	29578	-0.45	0.43	2.90E-01	29575	-0.1	0.08	2.20E-01	24849	-2.51	0.51	7.00E-07	29575	2.24E-02	4.86E-04	0.99	1	
rs115236533	5	19745715	c	g	0.01	-2.96	1.07	5.50E-03	22648	0.29	0.62	6.30E-01	22645	0.19	0.12	1.30E-01	20396	-2.92	0.74	7.70E-05	24259	9.37E-01	9.16E-07	0.01	0	
rs3535431	5	31910483	a	t	0.43	-0.87	0.23	1.20E-04	30356	-0.07	0.14	6.20E-01	30353	-0.03	0.03	2.60E-01	26120	-0.82	0.16	3.50E-07	31967	4.97E-02	9.08E-04	0.44	0.5	
rs143572614	5	62024475	c	g	0.99	7.93	2.8	4.60E-03	10582	6.21	1.54	5.80E-05	10579	1.44	0.29	7.80E-07	10636	2.06	1.98	3.00E-01	10579	2.81E-06	3.38E-06	0.99	1	
rs189315540	5	108796312	t	c	0.01	6.05	1.8	7.80E-04	16865	0.84	0.99	3.90E-01	17688	0.32	0.18	7.10E-02	18871	6.48	1.21	9.40E-08	17688	2.50E-02	5.49E-03	0.02	0	
rs2584077	6	46267046	a	c	0.01	-5.05	1.46	5.30E-04	17352	-4.16	0.83	4.90E-07	17349	-0.24	0.16	1.40E-01	17406	-0.86	1.04	4.10E-01	17349	1.64E-04	4.22E-06	0	0.06	
rs9385284	6	123400105	a	g	0.8	-0.47	0.25	6.10E-02	29227	-0.43	0.15	3.20E-03	29224	0.08	0.03	6.40E-03	25126	0.04	0.18	8.40E-01	30838	5.58E-01	5.56E-08	0.82	0.76	
rs4487596	6	123407496	t	c	0.8	-0.59	0.23	1.10E-02	30356	-0.4	0.14	4.10E-03	30353	0.05	0.03	5.20E-02	26266	-0.11	0.16	4.90E-01	31967	2.61E-01	3.92E-07	0.81	0.76	
rs76987554^{ab}	6	134080855	t	c	0.09	-1.85	0.31	2.20E-09	31970	-0.91	0.19	1.10E-06	31967	-0.12	0.04	9.20E-04	27480	-0.99	0.22	5.70E-06	31967	6.69E-08	1.84E-08	0.09	0	
rs79030490^{ab}	6	134087689	a	c	0.09	-1.83	0.31	3.00E-09	31970	-0.92	0.19	8.70E-07	31967	-0.12	0.04	7.00E-04	27480	-0.96	0.22	1.00E-05	31967	7.01E-08	2.50E-08	0.91	1	
rs62434120	6	150992370	t	c	0.15	-1.19	0.24	1.10E-06	31970	-0.69	0.15	2.80E-06	31967	-0.1	0.03	4.70E-04	27742	-0.55	0.17	1.50E-03	31967	5.89E-07	2.23E-06	0.17	0.08	
rs6969780	7	27159136	c	g	0.3	0.82	0.19	1.70E-05	31155	0.62	0.12	6.90E-08	31152	0.08	0.02	5.30E-04	26701	0.23	0.13	8.90E-02	31152	4.06E-07	5.97E-07	0.35	0.1	
rs10279895^{ab}	7	27328210	a	g	0.9	1.09	0.29	1.40E-04	31970	0.83	0.17	1.80E-06	31967	0.19	0.03	1.80E-08	26977	0.36	0.2	8.10E-02	31967	2.16E-08	3.24E-08	0.89	1	
rs11563582^{ab}	7	27351650	a	g	0.13	1.61	0.28	7.10E-09	30841	1.02	0.17	8.40E-10	30838	0.16	0.03	2.20E-06	26059	0.64	0.19	1.10E-03	30838	1.51E-10	1.08E-09	0.16	0.08	
rs1723953	7	45993668	a	c	0.03	1.87	0.56	9.00E-04	30393	-0.03	0.34	9.20E-01	30390	0.13	0.07	4.60E-02	26631	1.95	0.4	9.60E-07	30390	5.25E-02	3.58E-05	0.03	0	
rs11977526^b	7	46008110	a	g	0.34	-0.24	0.19	2.10E-01	29227	0.39	0.12	7.50E-04	29224	0.01	0.02	8.40E-01	25372	-0.67	0.14	9.50E-07	30838	4.10E-01	4.53E-09	0.35	0.41	
rs150785606	7	46990467	t	c	0.01	9.71	2.34	3.30E-05	10212	1.72	1.27	1.70E-01	11126	0.71	0.29	1.50E-02	10216	8.04	1.64	8.90E-07	11126	2.95E-03	2.69E-04	0	0	
7:80293263:A_AAT	7	80293263	a	aatactc	0.85	-0.78	0.29	8.00E-03	25479	-0.86	1.17	5.70E-07	25476	-0.13	0.04	4.10E-04	20999	0.15	0.21	4.80E-01	23862	1.11E-05	4.96E-06	0.82	1	
rs115476423^b	7	149199964	c	g	0.94	0.32	0.38	4.10E-01	31970	0.58	0.23	1.20E-02	31967	-0.14	0.05	2.20E-03	27226	-0.22	0.27	4.20E-01	31967	9.42E-01	4.99E-08	0.92	1	
rs115706913	8	14081817	t	c	0.95	0.77	0.43	7.10E-02	29227	0.36	0.25	1.50E-01	29224	0.26	0.05	2.70E-07	23954	0.33	0.3	2.80E-01	30838	6.40E-04	2.31E-06	0.93	0.07	
rs10096908	8	41641557	t	c	0.2	1.03	0.21	1.40E-06	31970	0.47	0.13	2.30E-04	31967	0.11	0.02	1.00E-05	27871	0.55	0.15	2.30E-04	31967	6.21E-07	1.63E-06	0.19	0.97	
rs7006531^{ab}																										