

Contents

Supplementary Table 1 Summary of datasets used in this study	2
Supplementary Table 2 Summary of imputation reference panels compared in our study	3
Supplementary Table 3 Summary of imputed variant counts and their overlap with WGS data across reference panels	4
Supplementary Table 4 Heterozygosity concordance rate across different R^2 thresholds	5
Supplementary Table 5 Mean IQS scores across different R^2 thresholds	6
Supplementary Table 6 Heterozygosity concordance rate across different R^2 thresholds for low-frequency variants ($MAF < 0.05$)	7
Supplementary Table 7 Mean IQS scores across different R^2 thresholds for low-frequency variants ($MAF < 0.05$)	8
Supplementary Table 8 Summary of genomic regions with the best performance for different references	9
Supplementary Table 14 Imputed vs. Actual Genotype Probability Table for N Individuals	10
Supplementary Table 15 Summary of SLE-associated variants used in this study	11

Supplementary Table 1 Summary of datasets used in this study

Platform	Chinese dataset	Thai dataset	Total
SNP array	3,194	3,803	6,997
WGS	1,263	56	1,319
Total individuals	4,457	3,859	8,316

Supplementary Table 2 Summary of imputation reference panels compared in our study

Reference Panels	Individuals	Percentage of Chinese	Percentage of East Asian	Average depth	Number of variants on autosomes
CHN100k	25,734	100%	100%	40	111,918,691
ChinaMAP	10,155	100%	100%	40.8	59,010,860
WBBC	4,489	100%	100%	13.9	35,616,674
SEAD	11,067	68.6%	82.3%	13.6-36	80,367,720
1KG Phase3 v5	2,504	12.0%	20.1%	30	49,143,605
TOPMed (r3)	133,597	3.3%	3.8%	38	445,600,184

Supplementary Table 3 Summary of imputed variant counts and their overlap with WGS data across reference panels

Dataset	CHN100k	ChinaMAP	WBBC	SEAD	1KG	TOPMed
The Chinese dataset						
Imputed variants	111,107,029	58,666,899	35,284,726	80,020,879	48,545,446	421,738,285
Variants overlapped with WGS	29,324,080	25,186,782	18,890,460	22,494,639	13,625,262	25,396,871
Variants overlapped with WGS (MAF ≤ 0.05)	24,342,624	20,289,892	14,630,413	17,474,800	8,794,001	20,720,838
Variants overlapped with WGS (MAF > 0.05)	4,981,456	4,896,890	4,260,047	5,019,839	4,831,261	4,676,033
The Thai dataset						
Imputed variants	111,150,206	58,280,146	35,616,674	80,367,720	48,890,301	421,781,122
Variants overlapped with WGS	9,895,577	9,590,338	8,314,681	10,226,492	9,113,067	9,773,641
Variants overlapped with WGS (MAF ≤ 0.05)	4,783,181	4,490,612	3,774,391	4,811,739	3,934,446	4,770,982
Variants overlapped with WGS (MAF > 0.05)	5,112,396	5,099,726	4,540,290	5,414,753	5,178,621	5,002,659

Note: Indels and SNVs within the human leukocyte antigens (HLA) region (chr6: 29,722,775-33,314,387) were excluded from the analysis. For the comparison, 42,750,853 SNVs outside the HLA region identified through WGS in the Chinese dataset and 12,597,713 SNVs outside the HLA region in the Thai dataset were included.

Supplementary Table 4 Heterozygosity concordance rate across different R² thresholds

R ² threshold	CHN100k	ChinaMAP	WBBC	SEAD	1KG	TOPMed
The Chinese dataset						
≥0.0	0.903 ± 0.010	0.918 ± 0.011	0.871 ± 0.011	0.880 ± 0.014	0.861 ± 0.005	0.873 ± 0.009
≥0.1	0.904 ± 0.009	0.919 ± 0.011	0.874 ± 0.010	0.884 ± 0.014	0.862 ± 0.005	0.873 ± 0.009
≥0.2	0.905 ± 0.009	0.919 ± 0.011	0.881 ± 0.010	0.891 ± 0.013	0.863 ± 0.005	0.874 ± 0.009
≥0.3	0.908 ± 0.009	0.920 ± 0.011	0.892 ± 0.010	0.902 ± 0.012	0.866 ± 0.005	0.875 ± 0.009
≥0.4	0.914 ± 0.009	0.922 ± 0.011	0.907 ± 0.009	0.916 ± 0.011	0.873 ± 0.005	0.878 ± 0.009
≥0.5	0.924 ± 0.008	0.927 ± 0.010	0.924 ± 0.008	0.931 ± 0.009	0.885 ± 0.004	0.887 ± 0.008
≥0.6	0.937 ± 0.007	0.936 ± 0.009	0.941 ± 0.007	0.947 ± 0.008	0.903 ± 0.004	0.903 ± 0.007
≥0.7	0.952 ± 0.006	0.949 ± 0.008	0.957 ± 0.006	0.961 ± 0.006	0.924 ± 0.003	0.926 ± 0.006
≥0.8	0.968 ± 0.005	0.965 ± 0.006	0.972 ± 0.004	0.975 ± 0.004	0.948 ± 0.003	0.953 ± 0.004
≥0.9	0.985 ± 0.003	0.983 ± 0.004	0.986 ± 0.003	0.988 ± 0.002	0.974 ± 0.002	0.980 ± 0.002
The Thai dataset						
≥0.0	0.911 ± 0.012	0.913 ± 0.018	0.887 ± 0.014	0.911 ± 0.007	0.904 ± 0.005	0.907 ± 0.005
≥0.1	0.911 ± 0.012	0.914 ± 0.018	0.891 ± 0.014	0.915 ± 0.007	0.904 ± 0.005	0.907 ± 0.005
≥0.2	0.913 ± 0.012	0.915 ± 0.018	0.897 ± 0.014	0.919 ± 0.007	0.904 ± 0.005	0.908 ± 0.005
≥0.3	0.916 ± 0.012	0.916 ± 0.017	0.905 ± 0.014	0.925 ± 0.007	0.906 ± 0.005	0.909 ± 0.005
≥0.4	0.920 ± 0.012	0.918 ± 0.017	0.913 ± 0.013	0.932 ± 0.007	0.909 ± 0.005	0.912 ± 0.005
≥0.5	0.927 ± 0.012	0.923 ± 0.017	0.924 ± 0.013	0.940 ± 0.007	0.916 ± 0.004	0.917 ± 0.005
≥0.6	0.936 ± 0.011	0.930 ± 0.016	0.935 ± 0.012	0.949 ± 0.006	0.925 ± 0.004	0.925 ± 0.004
≥0.7	0.947 ± 0.010	0.941 ± 0.015	0.948 ± 0.010	0.959 ± 0.005	0.937 ± 0.004	0.937 ± 0.004
≥0.8	0.961 ± 0.008	0.955 ± 0.012	0.963 ± 0.008	0.971 ± 0.004	0.952 ± 0.004	0.955 ± 0.004
≥0.9	0.979 ± 0.005	0.975 ± 0.007	0.980 ± 0.005	0.984 ± 0.003	0.972 ± 0.003	0.978 ± 0.003

Note: Mean ± stand deviation

Supplementary Table 5 Mean IQS scores across different R² thresholds

Imputation R²	CHN100k	ChinaMAP	WBBC	SEAD	1KG	TOPMed
The Chinese dataset						
≥0.0	0.702	0.742	0.623	0.633	0.635	0.657
≥0.1	0.720	0.756	0.669	0.682	0.646	0.666
≥0.2	0.732	0.761	0.698	0.709	0.657	0.676
≥0.3	0.747	0.768	0.728	0.738	0.675	0.688
≥0.4	0.768	0.779	0.760	0.769	0.703	0.702
≥0.5	0.794	0.797	0.795	0.803	0.740	0.724
≥0.6	0.826	0.824	0.831	0.839	0.782	0.759
≥0.7	0.863	0.859	0.870	0.877	0.830	0.805
≥0.8	0.904	0.900	0.909	0.915	0.882	0.863
≥0.9	0.948	0.947	0.949	0.953	0.938	0.929
The Thai dataset						
≥0.0	0.748	0.759	0.692	0.738	0.760	0.750
≥0.1	0.758	0.768	0.713	0.756	0.766	0.755
≥0.2	0.763	0.771	0.727	0.767	0.769	0.758
≥0.3	0.771	0.775	0.744	0.781	0.775	0.763
≥0.4	0.782	0.783	0.763	0.797	0.787	0.772
≥0.5	0.798	0.795	0.785	0.815	0.803	0.784
≥0.6	0.818	0.813	0.811	0.837	0.826	0.802
≥0.7	0.845	0.839	0.842	0.864	0.854	0.828
≥0.8	0.881	0.876	0.881	0.897	0.888	0.866
≥0.9	0.931	0.926	0.931	0.941	0.932	0.923

Supplementary Table 6 Heterozygosity concordance rate across different R² thresholds for low-frequency variants (MAF < 0.05)

Imputation R ²	CHN100k	ChinaMAP	WBBC	SEAD	1KG	TOPMed
The Chinese dataset						
≥0.0	0.758 ± 0.021	0.802 ± 0.026	0.665 ± 0.024	0.669 ± 0.034	0.664 ± 0.013	0.715 ± 0.021
≥0.1	0.765 ± 0.020	0.806 ± 0.025	0.698 ± 0.021	0.708 ± 0.032	0.667 ± 0.013	0.716 ± 0.021
≥0.2	0.774 ± 0.020	0.810 ± 0.024	0.739 ± 0.020	0.745 ± 0.031	0.675 ± 0.013	0.721 ± 0.021
≥0.3	0.791 ± 0.019	0.815 ± 0.023	0.785 ± 0.019	0.787 ± 0.028	0.692 ± 0.013	0.727 ± 0.021
≥0.4	0.816 ± 0.018	0.826 ± 0.022	0.828 ± 0.017	0.829 ± 0.024	0.724 ± 0.013	0.738 ± 0.021
≥0.5	0.847 ± 0.016	0.845 ± 0.020	0.869 ± 0.015	0.870 ± 0.019	0.767 ± 0.012	0.758 ± 0.020
≥0.6	0.881 ± 0.014	0.874 ± 0.017	0.905 ± 0.013	0.907 ± 0.014	0.816 ± 0.010	0.791 ± 0.017
≥0.7	0.917 ± 0.012	0.908 ± 0.014	0.934 ± 0.011	0.938 ± 0.010	0.868 ± 0.008	0.838 ± 0.014
≥0.8	0.950 ± 0.009	0.943 ± 0.011	0.959 ± 0.008	0.963 ± 0.007	0.919 ± 0.006	0.895 ± 0.010
≥0.9	0.977 ± 0.006	0.975 ± 0.007	0.980 ± 0.005	0.983 ± 0.004	0.964 ± 0.005	0.954 ± 0.006
The Thai dataset						
≥0.0	0.704 ± 0.026	0.711 ± 0.048	0.608 ± 0.032	0.694 ± 0.010	0.700 ± 0.020	0.724 ± 0.010
≥0.1	0.711 ± 0.026	0.715 ± 0.048	0.637 ± 0.031	0.717 ± 0.010	0.701 ± 0.020	0.725 ± 0.010
≥0.2	0.719 ± 0.027	0.720 ± 0.048	0.665 ± 0.034	0.737 ± 0.011	0.705 ± 0.021	0.729 ± 0.011
≥0.3	0.730 ± 0.029	0.726 ± 0.048	0.697 ± 0.037	0.762 ± 0.012	0.715 ± 0.020	0.737 ± 0.011
≥0.4	0.747 ± 0.032	0.737 ± 0.049	0.732 ± 0.039	0.790 ± 0.013	0.735 ± 0.019	0.749 ± 0.012
≥0.5	0.770 ± 0.034	0.754 ± 0.051	0.771 ± 0.038	0.822 ± 0.014	0.763 ± 0.016	0.766 ± 0.011
≥0.6	0.800 ± 0.034	0.780 ± 0.049	0.814 ± 0.035	0.857 ± 0.014	0.801 ± 0.012	0.789 ± 0.010
≥0.7	0.840 ± 0.030	0.818 ± 0.045	0.860 ± 0.030	0.895 ± 0.011	0.846 ± 0.009	0.822 ± 0.008
≥0.8	0.892 ± 0.022	0.874 ± 0.035	0.912 ± 0.022	0.934 ± 0.008	0.898 ± 0.006	0.868 ± 0.007
≥0.9	0.953 ± 0.012	0.942 ± 0.018	0.961 ± 0.011	0.972 ± 0.005	0.953 ± 0.005	0.932 ± 0.009

Note: Mean ± stand deviation

Supplementary Table 7 Mean IQS scores across different R^2 thresholds for low-frequency variants (MAF < 0.05)

Imputation R^2	CHN100k	ChinaMAP	WBBC	SEAD	1KG	TOPMed
The Chinese dataset						
≥0.0	0.623	0.669	0.528	0.541	0.533	0.575
≥0.1	0.648	0.688	0.590	0.606	0.545	0.585
≥0.2	0.664	0.696	0.631	0.645	0.557	0.597
≥0.3	0.685	0.705	0.674	0.686	0.579	0.611
≥0.4	0.714	0.721	0.720	0.729	0.614	0.630
≥0.5	0.749	0.746	0.767	0.775	0.662	0.658
≥0.6	0.791	0.782	0.815	0.823	0.719	0.699
≥0.7	0.839	0.828	0.862	0.870	0.787	0.755
≥0.8	0.892	0.882	0.908	0.915	0.862	0.827
≥0.9	0.945	0.941	0.950	0.956	0.936	0.911
The Thai dataset						
≥0.0	0.623	0.626	0.537	0.620	0.625	0.635
≥0.1	0.640	0.640	0.572	0.653	0.633	0.643
≥0.2	0.649	0.645	0.596	0.674	0.639	0.649
≥0.3	0.662	0.652	0.623	0.698	0.651	0.658
≥0.4	0.680	0.664	0.655	0.726	0.671	0.672
≥0.5	0.704	0.682	0.692	0.758	0.700	0.691
≥0.6	0.737	0.711	0.735	0.794	0.740	0.718
≥0.7	0.780	0.753	0.787	0.836	0.789	0.755
≥0.8	0.839	0.817	0.849	0.884	0.850	0.812
≥0.9	0.916	0.901	0.919	0.938	0.923	0.895

Supplementary Table 8 Summary of genomic regions with the best performance for different references

	CHN100k	ChinaMAP	WBBC	SEAD	1KG	TOPMed	Total
Chinese	1,486	24,343	62	25	283	153	26,352
Thai	3,289	8,239	63	3,031	8,098	3,309	26,029

Note: The imputation results for the Thai and Chinese datasets shared varying numbers of variants with the WGS data, leading to variations in the total number of windows between the two datasets.

Supplementary Table 14 Imputed vs. Actual Genotype Probability Table for N Individuals

		Actual			
		0/0	0/1	1/1	Total
Imputed	0/0	$\sum_{n=1}^{N_{11}} p_{11_n}$	$\sum_{n=1}^{N_{12}} p_{12_n}$	$\sum_{n=1}^{N_{13}} p_{13_n}$	$\sum_{j=1}^3 \sum_{n=1}^{N_{1j}} p_{1j_n} = Y_1$
	0/1	$\sum_{n=1}^{N_{21}} p_{21_n}$	$\sum_{n=1}^{N_{22}} p_{22_n}$	$\sum_{n=1}^{N_{23}} p_{23_n}$	$\sum_{j=1}^3 \sum_{n=1}^{N_{2j}} p_{2j_n} = Y_2$
	1/1	$\sum_{n=1}^{N_{31}} p_{31_n}$	$\sum_{n=1}^{N_{32}} p_{32_n}$	$\sum_{n=1}^{N_{33}} p_{33_n}$	$\sum_{j=1}^3 \sum_{n=1}^{N_{3j}} p_{3j_n} = Y_3$
	Total	$\sum_{i=1}^3 \sum_{n=1}^{N_{i1}} p_{i1_n} = W_1$	$\sum_{i=1}^3 \sum_{n=1}^{N_{i2}} p_{i2_n} = W_2$	$\sum_{i=1}^3 \sum_{n=1}^{N_{i3}} p_{i3_n} = W_3$	N

Note: p_{ij_n} denotes the genotype probability that the n^{th} individual is imputed with genotype i while actually possessing genotype j , where 1 corresponds to the homozygous reference genotype (0/0), 2 refers to the heterozygous genotype (0/1), and 3 denotes the alternative homozygous genotype (1/1). Each cell within this matrix represents the cumulative genotype probabilities for each combination of actual and imputed genotypic classes.

Supplementary Table 15 Summary of SLE-associated variants used in this study

SNP	Alt Allele	Effect Allele	OR	P	BETA	PMID
rs10018951	C	T	1.310	1.18E-14	0.270	PMID:33536424
rs10239000	A	G	0.841	1.51E-25	-0.173	PMID:33536424
rs10807150	C	T	0.800	6.06E-16	-0.223	PMID:33536424
rs10823829	T	C	1.099	1.05E-09	0.094	PMID:33536424
rs10896045	A	G	0.856	6.59E-26	-0.155	PMID:33536424
rs10995261	C	T	0.909	2.57E-08	-0.095	PMID:33536424
rs11032994	G	A	1.147	1.12E-17	0.137	PMID:33536424
rs11673604	T	C	0.874	4.21E-12	-0.135	PMID:33536424
rs116991837	G	A	2.654	3.82E-15	0.976	PMID:33536424
rs117821148	C	T	1.460	4.80E-08	0.378	PMID:33536424
rs118075465	G	A	1.140	1.16E-10	0.131	PMID:33536424
rs12120358	A	T	1.188	2.96E-11	0.172	PMID:33536424
rs12153670	A	G	1.150	7.65E-10	0.140	PMID:33536424
rs1234314	C	G	1.389	5.84E-11	0.329	PMID:33536424
rs12461589	C	T	0.898	5.00E-10	-0.108	PMID:33536424
rs12822507	A	G	0.860	2.20E-08	-0.151	PMID:33536424
rs12900339	A	G	0.850	4.73E-10	-0.163	PMID:33536424
rs12900640	A	C	0.908	2.42E-11	-0.096	PMID:33536424
rs13116227	C	T	1.340	3.05E-11	0.293	PMID:33536424
rs13244581	G	C	0.667	1.59E-20	-0.405	PMID:33536424
rs13259960	A	G	1.350	1.03E-11	0.300	PMID:33536424
rs13306575	G	A	1.311	2.28E-14	0.271	PMID:33536424

rs138305363	A	G	1.608	4.07E-08	0.475	PMID:33536424
rs143176121	T	C	3.425	1.58E-66	1.231	PMID:33536424
rs145720245	G	A	4.000	2.80E-10	1.386	PMID:33536424
rs146063533	C	T	1.612	9.44E-16	0.477	PMID:33536424
rs150724213	G	A	3.882	2.51E-15	1.356	PMID:33536424
rs16902895	A	G	0.891	1.48E-13	-0.115	PMID:33536424
rs17374162	G	A	0.917	3.02E-09	-0.087	PMID:33536424
rs1887428	G	C	0.806	4.49E-14	-0.215	PMID:33536424
rs2039982	C	T	1.242	1.85E-37	0.217	PMID:33536424
rs218174	A	G	0.892	1.83E-13	-0.114	PMID:33536424
rs2233302	C	G	0.760	1.17E-08	-0.274	PMID:33536424
rs2238577	C	T	0.885	1.83E-14	-0.122	PMID:33536424
rs2272736	G	A	0.819	6.37E-11	-0.200	PMID:33536424
rs231694	T	C	0.900	9.71E-09	-0.105	PMID:33536424
rs2362475	A	C	1.176	2.00E-09	0.163	PMID:33536424
rs2421184	A	G	0.840	4.67E-12	-0.174	PMID:33536424
rs244689	A	G	0.775	1.21E-20	-0.255	PMID:33536424
rs2540119	T	C	0.921	3.51E-08	-0.083	PMID:33536424
rs2549002	C	A	0.905	2.40E-10	-0.100	PMID:33536424
rs2671655	C	T	1.087	4.60E-08	0.083	PMID:33536424
rs2714333	T	C	0.322	1.00E-08	-1.135	PMID:33536424
rs2819426	G	C	0.824	2.51E-30	-0.194	PMID:33536424
rs28364822	T	A	1.672	1.19E-17	0.514	PMID:33536424
rs2855772	T	C	1.400	1.21E-15	0.336	PMID:33536424

rs34330	T	C	1.190	4.80E-12	0.174	
rs35032408	T	G	0.690	2.84E-08	-0.371	PMID:33536424
rs35966917	A	G	1.094	4.66E-09	0.090	PMID:33536424
rs35985016	A	G	1.186	1.95E-08	0.171	PMID:33536424
rs372605131	T	C	1.780	1.20E-08	0.577	PMID:33536424
rs3748079	C	T	0.532	1.78E-08	-0.631	PMID:33536424
rs3750996	A	G	0.857	1.89E-12	-0.154	PMID:33536424
rs3794986	G	T	0.890	1.46E-14	-0.117	PMID:33536424
rs3806357	G	A	1.106	4.25E-09	0.101	PMID:33536424
rs3857496	T	C	0.896	7.66E-09	-0.110	PMID:33536424
rs3999421	A	T	1.099	1.29E-09	0.094	PMID:33536424
rs41298401	C	G	0.773	5.04E-45	-0.258	PMID:33536424
rs4251697	G	A	0.637	1.17E-43	-0.451	PMID:33536424
rs447632	A	G	1.175	7.23E-28	0.161	PMID:33536424
rs4573208	G	A	1.173	1.53E-15	0.160	PMID:33536424
rs4598207	A	T	0.750	4.12E-60	-0.287	PMID:33536424
rs4622329	G	A	0.894	4.00E-15	-0.112	PMID:33536424
rs4643809	C	T	0.846	3.53E-24	-0.167	PMID:33536424
rs4649203	G	A	0.862	9.90E-09	-0.148	PMID:33536424
rs4801882	G	A	0.882	1.86E-18	-0.126	PMID:33536424
rs4819670	T	C	0.869	5.53E-11	-0.141	PMID:33536424
rs4821116	C	T	1.240	8.86E-46	0.215	PMID:33536424
rs4852324	T	C	0.790	5.70E-14	-0.236	PMID:33536424
rs4930642	A	G	0.873	6.16E-13	-0.135	PMID:33536424

rs4936441	C	G	1.215	5.71E-16	0.195	PMID:33536424
rs529561493	C	A	3.660	9.80E-09	1.297	PMID:33536424
rs530634980	C	T	2.016	5.10E-18	0.701	PMID:33536424
rs55882956	G	A	0.674	1.23E-16	-0.395	PMID:33536424
rs57095329	A	G	1.290	2.74E-08	0.255	PMID:33536424
rs57141708	G	A	1.183	6.84E-22	0.168	PMID:33536424
rs58107865	G	C	0.802	6.57E-25	-0.221	PMID:33536424
rs58164562	T	C	1.121	3.14E-12	0.114	PMID:33536424
rs5826945	A	T	1.196	9.67E-11	0.179	PMID:33536424
rs61759532	C	T	1.235	2.79E-11	0.211	PMID:33536424
rs6533951	A	G	0.900	1.25E-10	-0.105	PMID:33536424
rs6539078	T	C	1.119	9.49E-14	0.112	PMID:33536424
rs684150	C	T	0.914	4.32E-10	-0.090	PMID:33536424
rs6841907	T	C	1.104	1.10E-09	0.099	PMID:33536424
rs707149	A	G	1.235	3.58E-08	0.211	PMID:33536424
rs7072606	T	C	1.131	2.22E-12	0.123	PMID:33536424
rs7170151	C	T	1.107	3.20E-12	0.102	PMID:33536424
rs73954925	C	G	0.855	5.11E-11	-0.156	PMID:33536424
rs74989671	A	G	1.545	1.61E-08	0.435	PMID:33536424
rs75362385	G	T	0.887	8.40E-13	-0.120	PMID:33536424
rs7565158	G	T	1.096	2.88E-10	0.092	PMID:33536424
rs7572733	C	T	1.143	1.25E-14	0.134	PMID:33536424
rs75773410	A	G	1.292	3.84E-15	0.256	PMID:33536424
rs76107698	G	C	0.788	1.85E-30	-0.238	PMID:33536424

rs7637844	A	C	1.140	1.28E-08	0.131	PMID:33536424
rs77009341	G	C	2.089	6.39E-62	0.737	PMID:33536424
rs7725218	G	A	1.132	2.47E-17	0.124	PMID:33536424
rs77285596	T	G	0.734	2.20E-19	-0.309	PMID:33536424
rs77448389	A	G	1.170	7.30E-10	0.157	PMID:33536424
rs77465633	C	A	1.340	6.99E-18	0.293	PMID:33536424
rs77885959	T	G	0.590	3.16E-17	-0.527	PMID:33536424
rs77971648	T	C	0.775	3.16E-23	-0.255	PMID:33536424
rs780669	C	T	1.160	4.83E-09	0.148	PMID:33536424
rs7858766	T	C	0.878	2.25E-15	-0.130	PMID:33536424
rs7902146	C	T	0.900	3.34E-12	-0.105	PMID:33536424
rs7911501	G	A	2.100	2.00E-09	0.742	PMID:33536424
rs79171842	A	T	2.469	3.02E-23	0.904	PMID:33536424
rs79401250	T	G	0.853	1.48E-12	-0.159	PMID:33536424
rs794368	A	G	0.844	1.54E-26	-0.170	PMID:33536424
rs79774308	A	G	0.689	5.76E-10	-0.373	PMID:33536424
rs8016947	T	G	1.205	1.08E-13	0.186	PMID:33536424
rs9295676	G	T	1.105	7.94E-11	0.100	PMID:33536424
rs9322454	G	A	1.090	2.42E-08	0.086	PMID:33536424
rs933717	T	C	7.692	2.36E-10	2.040	PMID:33536424
rs9488914	C	T	0.862	1.14E-08	-0.149	PMID:33536424
rs9503037	A	G	1.135	1.36E-15	0.127	PMID:33536424
rs956237	G	A	1.107	4.47E-11	0.102	PMID:33536424
rs9651076	A	G	0.895	3.26E-13	-0.111	PMID:33536424

rs9736939	G	A	1.265	1.23E-58	0.235	<i>PMID:33536424</i>
rs117026326	C	T	2.994	7.35E-27	1.097	<i>PMID:39624492</i>
rs1143679	G	A	2.276	2.36E-06	0.822	<i>PMID:39624492</i>
rs2230926	T	G	2.001	5.76E-46	0.694	<i>PMID:39624492</i>
rs4728142	G	A	1.562	2.55E-45	0.446	<i>PMID:39624492</i>
rs11889341	C	T	1.543	3.79E-79	0.434	<i>PMID:39624492</i>
rs2205960	G	T	1.422	5.82E-46	0.352	<i>PMID:39624492</i>
rs2736340	C	T	1.403	1.29E-38	0.339	<i>PMID:39624492</i>
rs73135369	T	C	1.400	2.15E-11	0.336	<i>PMID:39624492</i>
rs1128334	C	T	1.373	1.70E-42	0.317	<i>PMID:39624492</i>
rs3734266	T	C	1.339	1.96E-18	0.292	<i>PMID:39624492</i>
rs2280381	C	T	1.323	6.75E-15	0.280	<i>PMID:39624492</i>
rs7726414	C	T	1.302	2.26E-10	0.264	<i>PMID:39624492</i>
rs1385374	C	T	1.290	1.35E-20	0.255	<i>PMID:39624492</i>
rs1418190	C	T	1.268	1.13E-15	0.237	<i>PMID:39624492</i>
rs10036748	C	T	1.250	3.22E-16	0.223	<i>PMID:39624492</i>
rs11773745	A	G	1.239	2.52E-11	0.214	<i>PMID:39624492</i>
rs6927090	G	T	1.233	3.48E-10	0.209	<i>PMID:39624492</i>
rs35426045	G	A	1.224	5.21E-07	0.202	<i>PMID:39624492</i>
rs7444	T	C	1.215	8.56E-18	0.195	<i>PMID:39624492</i>
rs2841280	G	C	1.210	6.12E-11	0.191	<i>PMID:39624492</i>
rs7329174	A	G	1.192	1.17E-07	0.176	<i>PMID:39624492</i>
rs9782955	T	C	1.184	2.60E-04	0.169	<i>PMID:39624492</i>
rs2297550	C	G	1.179	1.57E-08	0.165	<i>PMID:39624492</i>

rs2381401	C	T	1.179	1.11E-07	0.165	PMID:39624492
rs34562254	G	A	1.176	2.88E-08	0.162	PMID:39624492
rs1547624	A	T	1.172	4.55E-08	0.159	PMID:39624492
rs12132445	G	A	1.171	6.75E-08	0.158	PMID:39624492
rs61616683	C	T	1.168	8.15E-08	0.155	PMID:39624492
rs10999979	C	A	1.163	1.01E-07	0.151	PMID:39624492
rs7579944	T	C	1.163	3.17E-11	0.151	PMID:39624492
rs2732552	T	C	1.162	1.74E-08	0.150	PMID:39624492
rs7726159	C	A	1.156	4.72E-10	0.145	PMID:39624492
rs2934498	A	G	1.151	4.55E-06	0.141	PMID:39624492
rs76725306	G	A	1.150	1.38E-06	0.140	PMID:39624492
rs11679484	C	A	1.147	5.59E-05	0.137	PMID:39624492
rs4639966	T	C	1.147	5.20E-09	0.137	PMID:39624492
rs4948496	T	C	1.143	6.00E-06	0.134	PMID:39624492
rs8035957	T	C	1.136	2.43E-08	0.128	PMID:39624492
rs7941765	T	C	1.130	4.20E-04	0.122	PMID:39624492
rs1801274	A	G	1.127	1.79E-05	0.120	PMID:39624492
rs438613	T	C	1.125	6.46E-08	0.118	PMID:39624492
rs930297	C	T	1.120	2.67E-02	0.113	PMID:39624492
rs6074813	G	T	1.118	8.49E-05	0.112	PMID:39624492
rs4978037	T	C	1.117	7.36E-05	0.111	PMID:39624492
rs494003	G	A	1.113	2.08E-02	0.107	PMID:39624492
rs1405209	T	C	1.106	3.10E-04	0.101	PMID:39624492
rs2322659	T	C	1.106	7.38E-06	0.101	PMID:39624492

rs6762714	C	T	1.106	9.41E-03	0.101	PMID:39624492
rs2384991	A	C	1.101	2.88E-05	0.096	PMID:39624492
rs597325	A	G	1.094	8.56E-05	0.090	PMID:39624492
rs4690229	A	T	1.090	4.14E-03	0.086	PMID:39624492
rs1990760	C	T	1.078	6.94E-03	0.075	PMID:39624492
rs2289583	C	A	1.068	6.10E-02	0.066	PMID:39624492
rs6740462	C	A	1.066	3.38E-02	0.064	PMID:39624492
rs3024505	G	A	1.021	7.41E-01	0.021	PMID:39624492
rs2428	C	T	1.017	6.92E-01	0.017	PMID:39624492
rs2304256	C	A	0.993	7.58E-01	-0.007	PMID:39624492
rs2366293	G	C	0.970	7.23E-01	-0.030	PMID:39624492
rs9899849	G	A	0.969	3.32E-01	-0.031	PMID:39624492
rs4902562	A	G	0.967	2.70E-01	-0.034	PMID:39624492
rs17321999	C	A	0.939	1.24E-01	-0.063	PMID:39624492
rs6445975	G	T	0.933	9.66E-03	-0.069	PMID:39624492
rs12148050	A	G	0.930	1.04E-03	-0.073	PMID:39624492
rs4810485	T	G	0.929	1.20E-03	-0.074	PMID:39624492
rs13238909	G	A	0.915	1.97E-01	-0.089	PMID:39624492
rs3768792	G	A	0.914	9.61E-03	-0.090	PMID:39624492
rs4690055	G	A	0.911	4.14E-05	-0.093	PMID:39624492
rs2305772	G	A	0.905	1.73E-05	-0.100	PMID:39624492
rs10750836	C	T	0.897	1.67E-04	-0.109	PMID:39624492
rs10936599	C	T	0.895	4.50E-07	-0.111	PMID:39624492
rs1170426	C	T	0.893	1.44E-03	-0.113	PMID:39624492

rs763361	T	C	0.893	9.76E-07	-0.113	PMID:39624492
rs13260060	G	A	0.889	1.92E-08	-0.118	PMID:39624492
rs11603023	T	C	0.886	1.27E-06	-0.121	PMID:39624492
rs2445610	A	G	0.886	5.26E-08	-0.121	PMID:39624492
rs10419308	G	A	0.885	3.60E-02	-0.122	PMID:39624492
rs6702599	A	C	0.882	3.56E-02	-0.126	PMID:39624492
rs2731783	A	G	0.881	2.42E-05	-0.127	PMID:39624492
rs3087243	G	A	0.879	6.44E-06	-0.129	PMID:39624492
rs3795310	C	T	0.877	1.40E-03	-0.131	PMID:39624492
rs4745876	G	A	0.876	1.36E-06	-0.132	PMID:39624492
rs6871748	T	C	0.875	1.44E-05	-0.134	PMID:39624492
rs405858	C	T	0.872	1.70E-08	-0.137	PMID:39624492
rs1016140	G	T	0.870	2.95E-10	-0.139	PMID:39624492
rs1885889	A	G	0.870	7.93E-10	-0.139	PMID:39624492
rs223881	T	C	0.869	6.97E-10	-0.140	PMID:39624492
rs7975703	C	T	0.869	1.47E-06	-0.140	PMID:39624492
rs3760667	C	T	0.863	1.38E-06	-0.147	PMID:39624492
rs7815944	A	G	0.862	1.78E-09	-0.149	PMID:39624492
rs13344313	G	A	0.860	1.35E-05	-0.151	PMID:39624492
rs2009453	C	T	0.859	1.96E-11	-0.152	PMID:39624492
rs28411034	G	A	0.859	5.80E-06	-0.152	PMID:39624492
rs564799	C	T	0.859	8.84E-06	-0.152	PMID:39624492
rs869310	T	G	0.856	1.11E-05	-0.155	PMID:39624492
rs10028805	G	A	0.854	8.41E-11	-0.158	PMID:39624492

rs849142	T	C	0.854	2.68E-01	-0.158	PMID:39624492
rs4592664	T	C	0.852	2.37E-06	-0.160	PMID:39624492
rs6705628	C	T	0.851	4.71E-08	-0.161	PMID:39624492
rs9630991	G	A	0.850	3.34E-06	-0.163	PMID:39624492
rs4697651	C	T	0.848	4.49E-05	-0.165	PMID:39624492
rs34889541	G	A	0.847	1.38E-04	-0.166	PMID:39624492
rs12093154	G	A	0.844	4.12E-06	-0.170	PMID:39624492
rs12599402	T	C	0.843	1.63E-13	-0.171	PMID:39624492
rs463426	T	C	0.841	3.60E-14	-0.173	PMID:39624492
rs10845606	C	A	0.829	3.80E-09	-0.188	PMID:39624492
rs1131265	G	C	0.827	1.37E-14	-0.190	PMID:39624492
rs11644034	G	A	0.822	2.33E-04	-0.196	PMID:39624492
rs12802200	C	A	0.818	1.23E-02	-0.201	PMID:39624492
rs1308020	G	A	0.818	1.83E-09	-0.201	PMID:39624492
rs548234	C	T	0.801	2.39E-20	-0.222	PMID:39624492
rs1061502	T	C	0.795	2.25E-02	-0.229	PMID:39624492
rs7097397	G	A	0.783	4.79E-25	-0.245	PMID:39624492
rs2431697	T	C	0.779	1.57E-13	-0.250	PMID:39624492
rs11235604	C	T	0.778	1.26E-06	-0.251	PMID:39624492
rs729302	A	C	0.763	1.74E-28	-0.270	PMID:39624492
rs549669428	T	G	0.754	1.85E-05	-0.282	PMID:39624492
rs4917014	T	G	0.753	5.18E-29	-0.284	PMID:39624492
rs11264750	A	G	0.751	1.95E-12	-0.286	PMID:39624492
rs9387400	C	A	0.743	3.14E-08	-0.297	PMID:39624492

rs13385731	T	C	0.710	2.96E-23	-0.342	<i>PMID:39624492</i>
------------	---	---	-------	----------	--------	----------------------