Analysis Summary: Any Allergy

Phenotype Description

The "any_allergy" phenotype includes cases identified from the union of the following sources:

- "Allergies and Asthma" survey:
 - An allergic reaction (with either a positive allergy test, or with specific allergy symptoms) to any of the following:
 - Foods: chicken, eggs, milk, shellfish, fish, oats, peanut, soy, tree nuts, wheat, other
 - Plants: trees, weeds, grasses, other
 - · Animals: cat, dog, other
 - Drugs, penicillin, sulfa drug, mycin drug, aspirin
 - Other: dust mites, mold, latex
- Your Medical History survey:
 - "Have you ever been diagnosed by a doctor with any of the following types of allergies?" (Seasonal allergy: Yes, No, I don't know)
- Either "Allergies and Asthma" or Asthma survey:
 - Allergic asthma cases (an asthma diagnosis with allergic trigger)

We identified controls that reported having no allergies of any kind, based on information from many sources. A control had to provide at least one negative response and no positive responses to any of these questions:

- "Your Health Profile" survey
 - "Have you ever been diagnosed by a doctor with any of the following types of allergies?" (Yes, No, I'm not sure)
 - Seasonal allergies
 - Asthma
 - Environmental (but not seasonal) allergy
 - Food allergy
 - Drug allergy
- "Asthma Symptoms" survey
 - "Have you ever been diagnosed by a doctor with asthma or bronchial asthma?" (Yes, No, I'm not sure)
 - "Do you currently have allergies?" (Yes, No, I'm not sure)
 - "Have you ever had any of the following? Please check all that apply."
 - Positive allergen skin prick test or positive allergen blood test
 - Atopic dermatitis/Eczema (chronic itchy and scaly skin rashes caused by allergies)
 - Allergic rhinitis (stuffed or dripping nose caused by allergies)
 - Allergic conjunctivitis (red, itchy, or painful eyes caused by allergies)
- "Allergies and Asthma" survey
 - Questions about a total of 38 allergens, including foods, plants, animals, molds, latex, medicines, vaccines, and other
 - "Have you ever had an asthma attack?" (Yes, No, I'm not sure)

Phenotype Statistics

The following table shows demographics of unrelated, European individuals included in the GWAS.

Phenotype	Group	Total	М	F	(0,30]	(30,45]	(45,60]	(60,Inf]
any_allergy	case	66973	32632	34341	9019	19985	18498	19471
	control	113768	65619	48149	16330	32255	30626	34557

The following table shows the phenotypic distribution across 23andMe genotyping platforms for individuals included in the GWAS.

Phenotype	Group	Total	v1/v2	v3	v4
any_allergy	case	66973	7913	50747	8313
	control	113768	6231	78553	28984

Null Model with Covariates

The following table shows results of fitting a model for the trait based on just the covariates. Principal coordinates have been standardized, so these effect sizes are in units of standard deviations.

	Estimate	Std. Error	z value	Pr(> z)	LRT	Pr(>Chi)
age	-0.002544	0.00030	-8.5	2.3×10^{-17}		2.2×10 ⁻¹⁷
sexF	0.359546	0.00982	36.6	1.6×10^{-293}	1343.7	3.6×10^{-294}
pc.0	0.051553	0.00498	10.3	4.5×10^{-25}	108.4	2.2×10^{-25}
pc.1	-0.101442	0.00510	-19.9	6.5×10^{-88}	406.5	2.1×10^{-90}
pc.2	-0.064178	0.00503	-12.8	3.0×10^{-37}	164.4	1.2×10^{-37}
pc.3	0.025595	0.00490	5.2	1.7×10^{-7}	27.3	1.7×10^{-7}
pc.4	0.000556	0.00492	0.1	0.91	0.0	0.91

SNP-level QC information

The following table shows results for QC filters on the genotyped data:

	failed	passed
no filters	0	1030430
not V1/V2-only, chrM, chrY	33033	997397
parent-offspring test	2129	995294
MAF > 0%	3203	992310
HWE > 1e-20	48225	945039
gt.rate > 90%	30775	925423
batch effects	67182	893121

The following table shows results for QC filters on the imputed dosage data:

	failed	passed
no filters	0	13733809
MAF > 0%	0	13733809
imputation quality	0	13733809
batch effects	954316	12779493

The following table shows results for QC filters on the merged association test results:

	passed	total
imputed only	11972464	11972464
both passed	807014	12779478
genotyped only	86107	12865585
no test result	-5276	12860309
failed to converge	-14399	12845910

Genetic Association Tests

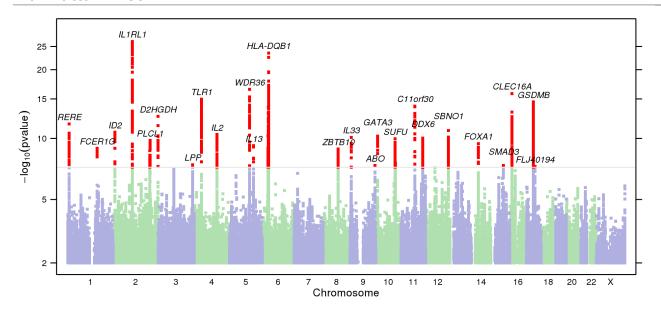
We performed logistic regression assuming an additive model for allelic effects, using the model:

$$any_allergy \sim age + sex + pc.0 + pc.1 + pc.2 + pc.3 + pc.4 + genotype$$

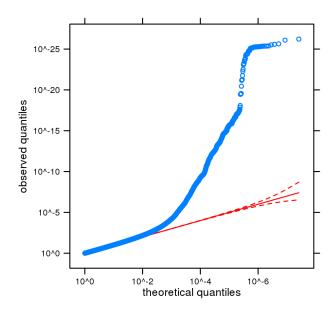
This genome-wide association analysis includes data from 66973 cases and 113768 controls of European ancestry, filtered to remove close relatives.

The results in this report have been adjusted for a genomic control inflation factor λ =1.210. The equivalent inflation factor for 1000 cases and 1000 controls λ_{1000} = 1.002 , and for 10000, λ_{10000} = 1.025 .

Manhattan Plot



Q-Q Plot of GWAS Results



Index SNPs for Strongest Associations

cytoband	assay.name	scaffold	position	alleles	src	pvalue	OR	95% CI	gene.context
_	rs950881	chr2	102932512		I	6.0×10 ⁻²⁷	0.890	[0.871,0.909]	-
2q12.1				- /		3.2×10 ⁻²⁴			[IL1RL1]
6p21.32	rs34004019	chr6	32626403	A/G	I			[0.884,0.920]	
5q22.1	rs1438673	chr5	110467499	C/T	I	3.2×10 ⁻¹⁷		[0.923,0.951]	WDR36-[]CAMK4
16p13.13	rs11644510	chr16	11277358	C/T	I	1.5×10 ⁻¹⁶	0.934		CLEC16A-[]SOCS1
4p14	rs11727978	chr4	38811051		I	1.1×10 ⁻¹⁵	1.083	[,,	TLR1-[]TLR6
17q12	rs4795400	chr17	38067020	C/T	I	2.8×10 ⁻¹⁵	0.941	,	•
11q13.5	rs7936323	chr11	76293758	A/G	I	1.1×10^{-14}	0.943	[0.929,0.957]	C11orf30[]LRRC32
2q37.3	rs35061832	chr2	242692490	C/T	I	2.8×10^{-13}	1.100	[1.073,1.129]	[D2HGDH]
1p36.23	rs4908769	chr1	8701288	C/T	I	2.3×10^{-12}	1.061	[1.044,1.079]	[RERE]
12q24.31	rs9739070	chr12	123771032	A/G	I	1.3×10^{-11}	1.067	[1.047,1.087]	CDK2AP1[]-SBNO1
2p25.1	rs367023	chr2	8450123	A/G	I	2.1×10^{-11}	0.945	[0.929,0.960]	[]ID2
4q27	rs148505069	chr4	123417564	A/G	I	3.8×10^{-11}	1.056	[1.039,1.073]	IL2[]IL21
10p14	rs1775550	chr10	9052742	A/G	I	5.6×10^{-11}	1.067	[1.047,1.088]	GATA3[]
9p24.1	rs10975488	chr9	6213829	A/G	I	7.7×10^{-11}	1.087	[1.060,1.115]	RANBP6[]-IL33
11q23.3	rs11217036	chr11	118675772	C/T	I	9.3×10^{-11}	0.939	[0.921,0.957]	DDX6[]CXCR5
10q24.32	rs201333164	chr10	104278261	D/I	I	1.1×10^{-10}	1.062	[1.042,1.081]	[SUFU]
2q33.1	rs2164068	chr2	198943852	A/T	I	1.6×10^{-10}	1.051	[1.035,1.067]	[PLCL1]
14q21.1	rs61977073	chr14	38151255	A/G	I	3.5×10^{-10}	1.061	[1.041,1.080]	FOXA1[]TTC6
5q31.1	rs1295686	chr5	131995843	C/T	I	5.5×10^{-10}	1.061	[1.041,1.080]	[IL13]
1q23.3	rs2070902	chr1	161187665	C/T	I	1.0×10^{-9}	1.055	[1.037,1.073]	[FCER1G]
8q21.13	rs7824394	chr8	81292599	A/C	I	1.2×10 ⁻⁹	0.952	[0.938,0.967]	TPD52[]ZBTB10
3q28	rs2030519	chr3	188119901	A/G	I			[1.028,1.059]	
15q22.33	rs17294280	chr15	67468285	A/G	I	3.6×10^{-8}		[1.034,1.073]	
9q34.2	rs2519093	chr9	136141870	C/T	I	3.6×10 ⁻⁸		[1.035,1.075]	•
17q21.32	rs28397663	chr17	47328183	C/T	I	4.3×10^{-8}		[1.029,1.062]	[FLJ40194]

Quality Statistics for Index SNPs

	i2	i2	i 4		h nala		fuan b				ما محمله	
assay.name	is.v2	is.v3	is.v4	gt.rate	hw.p.value	p.date	freq.b	avg.rsqr	min.rsqr	p.batch	dose.b	qc.mask
rs950881	TRUE	TRUE	FALSE	0.9999	0.011	0.012	0.1505	0.9922	0.9540	0.095	0.1501	v2v3v4
rs34004019	FALSE	FALSE	FALSE					0.7345	0.6651	0.021	0.2631	v2v3v4
rs1438673	FALSE	FALSE	FALSE					0.9859	0.9678	0.045	0.5036	v2v3v4
rs11644510	FALSE	FALSE	FALSE					0.9258	0.9121	0.34	0.3749	v2v3v4
rs11727978	FALSE	FALSE	FALSE					0.9783	0.9621	0.080	0.8063	v2v3v4
rs4795400	FALSE	TRUE	TRUE	0.9986	0.96	0.90	0.4481	0.9999	0.9985	0.26	0.4470	v2v3v4
rs7936323	FALSE	FALSE	FALSE					0.9923	0.9866	1.0	0.5171	v2v3v4
rs35061832	FALSE	FALSE	FALSE					0.5371	0.4886	6.7×10^{-6}	0.6795	v3
rs4908769	TRUE	FALSE	FALSE	0.9998	0.47	0.25	0.3280	0.9361	0.9106	0.00092	0.3216	v2v3v4
rs9739070	FALSE	FALSE	FALSE					0.9273	0.9058	0.11	0.7793	v2v3v4
rs367023	FALSE		FALSE					0.9879	0.9455	0.00048	0.2821	v2v3v4
rs148505069	FALSE	FALSE	FALSE					0.9804	0.9726	0.67	0.3267	v2v3v4
rs1775550	FALSE	FALSE						0.9934	0.9515	0.65	0.1812	
rs10975488	FALSE		FALSE					0.7519	0.7250	0.068	0.1353	
rs11217036	FALSE	FALSE	FALSE					0.9625	0.9566	0.021	0.1997	v2v3v4
rs201333164	FALSE	FALSE	FALSE					0.7051	0.6791	5.2×10^{-7}	0.5865	v2v3v4
rs2164068	FALSE	FALSE	FALSE					0.9784	0.9724	0.13	0.5052	v2v3v4
rs61977073	FALSE	FALSE	FALSE					0.9522	0.9315	0.94	0.2216	v2v3v4
rs1295686	TRUE	TRUE	TRUE	0.9997	0.028	0.058	0.2046	0.9994	0.9987	0.014	0.2058	v2v3v4
rs2070902	TRUE	TRUE	TRUE	0.9998	0.94	0.39	0.2506	0.9993	0.9987	0.31	0.2516	v2v3v4
rs7824394	FALSE	FALSE	FALSE					0.9629	0.9578	0.20	0.6217	v2v3v4
rs2030519	FALSE	FALSE	FALSE					0.9955	0.9848	0.00042	0.4914	v2v3v4
rs17294280	FALSE	FALSE	FALSE					0.8698	0.8235	0.26	0.2480	v2v3v4
rs2519093	FALSE	FALSE	FALSE					0.9922	0.9820	0.16	0.1962	v2v3v4
rs28397663	FALSE	FALSE	FALSE					0.9444	0.8911	0.00040	0.3626	v2v3v4

SNP Statistics in the GWAS Sample

assay.name	AA.0	AB.0	BB.0	im.num.0	dose.b.0	AA.1	AB.1	BB.1	im.num.1	dose.b.1
rs950881	60075	22387	2107	113768	0.1572	43271	14048	1177	66973	0.1402
rs34004019				113768	0.2703				66973	0.2535
rs1438673				113768	0.5091				66973	0.4912
rs11644510				113768	0.3810				66973	0.3655
rs11727978				113768	0.8034				66973	0.8172
rs4795400	31796	53500	22123	113768	0.4550	18375	29066	11545	66973	0.4421
rs7936323				113768	0.5254				66973	0.5113
rs35061832				78263	0.6754				50160	0.6876
rs4908769	3295	3070	730	113768	0.3193	4352	4468	1054	66973	0.3350
rs9739070				113768	0.7756				66973	0.7870
rs367023				113768	0.2890				66973	0.2804
rs148505069				113768	0.3245				66973	0.3376
rs1775550				113768	0.1778				66973	0.1870
rs10975488				113768	0.1308				66973	0.1380
rs11217036				113768	0.2038				66973	0.1935
rs201333164				113768	0.5837				66973	0.5956
rs2164068				113768	0.5022				66973	0.5153
rs61977073				113768	0.2174				66973	0.2261
rs1295686	72739	36353	4639	113768	0.2007	42074	21913	2965	66973	0.2081
rs2070902	64872	41985	6890	113768	0.2453	37053	25539	4373	66973	0.2562
rs7824394				113768	0.6271				66973	0.6166
rs2030519				113768	0.4854				66973	0.4958
rs17294280				113768	0.2447				66973	0.2525
rs2519093				113768	0.1924				66973	0.1998
rs28397663				113768	0.3612				66973	0.3718

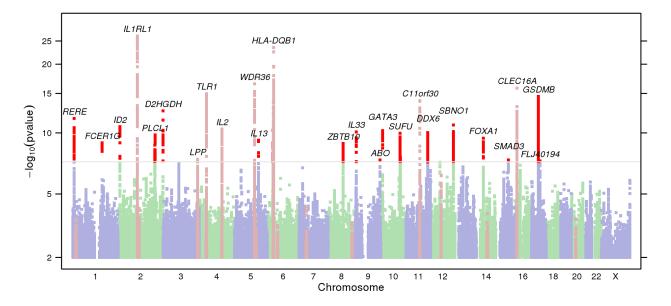
Annotations from NHGRI GWAS Catalog

The following table shows, for each index SNP, all entries in the NHGRI GWAS Catalog that are within 500kb and in at least moderate linkage disequilibrium ($r^2 > 0.5$).

region	position	our.name	our.pval	dist	rsqr	assay.name	pvalue	pubmed.id	trait	genes
2q12.1	102932512	rs950881	6.0×10 ⁻²⁷	-53048	0.829	rs10189629	2.0×10 ⁻¹⁶	23817569	Self-reported allergy	IL1RL2, IL1RL1
2q12.1	102932512	rs950881	6.0×10^{-27}	21105	0.968	rs3771180	2.0×10^{-15}	21804549	Asthma	IL1RL1
2q12.1	102932512	rs950881	6.0×10 ⁻²⁷	22570	0.968	rs13408661	1.0×10^{-9}	23028483	Asthma	IL1RL1, IL18R1
2q12.1	102932512	rs950881	6.0×10^{-27}	27698	0.948	rs3771175	5.0×10^{-11}	23817571	Allergic sensitization	IL1RL1, IL18R1, IL18RAP
2q12.1	102932512	rs950881	6.0×10 ⁻²⁷	34037	0.947	rs10197862	4.0×10^{-11}	24388013	Asthma and hay fever	IL1RL1
5q22.1	110467499		3.2×10 ⁻¹⁷	-61824		rs3806932	3.0×10 ⁻⁹	20208534	*	WDR36
5q22.1	110467499		3.2×10 ⁻¹⁷	-59497	0.556	rs1898671	5.0×10 ⁻⁶	22036096		TSLP
5q22.1	110467499		3.2×10 ⁻¹⁷	0		rs1438673	3.0×10 ⁻¹¹	24388013	9	WDR36
5q22.1	110467499		3.2×10 ⁻¹⁷	0		rs1438673	2.0×10 ⁻²⁰	23817569	Self-reported allergy	WDR36, CAMK4, TSLP
16p13.13		rs11644510	1.5×10 ⁻¹⁶	-66943		rs9923856	6.0×10 ⁻⁶	23042114		CLEC16A
16p13.13		rs11644510	1.5×10 ⁻¹⁶	-48646		rs62026376	1.0×10 ⁻⁸	24388013		CLEC16A
16p13.13		rs11644510	1.5×10 ⁻¹⁶	-46655		rs7203459	2.0×10 ⁻⁷	23817569	Self-reported allergy	CLEC16A
4p14		rs11727978	1.1×10 ⁻¹⁵	-26327		rs10004195	1.0×10 ⁻¹⁸	23652523	Helicobacter pylori serologic status	TLR10,TLR1,FAM114A1,TLR6,KLF3
		rs11727978	1.1×10 ⁻¹⁵	-18527		rs4543123	9.0×10 ⁻⁶		-	
4p14 4p14		rs11727978	1.1×10 ⁻¹⁵	-10327		rs4833095	5.0×10 ⁻¹²	23743675 24388013		Intergenic TLR1
							5.0×10 5.0×10 ⁻²¹		•	
4p14		rs11727978	1.1×10 ⁻¹⁵	500		rs2101521		23817569		TLR1,TLR6,TLR10
4p14		rs11727978	1.1×10 ⁻¹⁵	1825		rs17616434	5.0×10 ⁻¹¹	23817571	=	TLR1,TLR6, TLR10,
17q12		rs4795400	2.8×10 ⁻¹⁵	-154643		rs12946510	4.0×10 ⁻³⁸	23128233	•	IKZF3,ZPBP2,GSDMB,ORMDL3,GSDM
17q12	38067020	rs4795400	2.8×10 ⁻¹⁵	-144761	0.875	rs907092	8.0×10 ⁻⁶	19458352	Primary biliary cirrhosis Systemic lupus erythematosus and Systemic	IKZF3
17q12	38067020	rs4795400	2.8×10 ⁻¹⁵	-90551	0.751	rs9303277	7.0×10^{-6}	23740937		IKZF3
17q12		rs4795400	2.8×10 ⁻¹⁵			rs9303277	4.0×10 ⁻⁹		Primary biliary cirrhosis	IKZF3, ZPBP2,
17q12		rs4795400	2.8×10 ⁻¹⁵			rs9303277	2.0×10 ⁻⁹	20639880		IKZF3,ZPBP2,GSDMB,ORMDL3
17q12		rs4795400	2.8×10 ⁻¹⁵	-26257		rs2872507	2.0×10 ⁻⁶	21829393		ORMDL3
17q12		rs4795400	2.8×10 ⁻¹⁵	-26257		rs2872507	5.0×10 ⁻¹¹	21297633		IKZF3, ORMDL3,
17q12 17q12		rs4795400	2.8×10 ⁻¹⁵			rs2872507	2.0×10 ⁻⁹		Crohn's disease	GSMDL,ZPBP2,ORMDL3,IKZF3
17q12 17q12		rs4795400	2.8×10 ⁻¹⁵	-26257 -26257		rs2872507	9.0×10 ⁻⁷	20453842		IKZF3
			2.8×10 ⁻¹⁵				5.0×10 ⁻⁹			
17q12		rs4795400	2.8×10 2.8×10 ⁻¹⁵	-26257		rs2872507	5.0×10	18587394		ORMDL3
17q12		rs4795400		-15672		rs8067378	9.0×10 ⁻¹⁰	23817570		GSDMB
17q12		rs4795400	2.8×10 ⁻¹⁵	-9823		rs8069176	5.0×10 ⁻⁶		Fractional exhaled nitric oxide (childhood)	ZPBP2, GSDMB
17q12		rs4795400	2.8×10 ⁻¹⁵	-4824		rs2305480	6.0×10 ⁻²³	24241537		GSDMB
17q12		rs4795400	2.8×10 ⁻¹⁵	-4824		rs2305480	1.0×10 ⁻⁷	20860503		GSDMB
17q12		rs4795400	2.8×10 ⁻¹⁵	-4824		rs2305480	3.0×10^{-8}		Ulcerative colitis	ORMDL3,ZPBP2M,GSDML
17q12		rs4795400	2.8×10 ⁻¹⁵	-2615		rs11078927	2.0×10 ⁻¹⁶	21804549		GSDMB
17q12		rs4795400	2.8×10 ⁻¹⁵	-780		rs2290400	6.0×10 ⁻¹³		Type 1 diabetes	ORMDL3
17q12		rs4795400	2.8×10 ⁻¹⁵	2929		rs7216389	9.0×10 ⁻¹¹	17611496		ORMDL3
17q12		rs4795400	2.8×10 ⁻¹⁵	7011		rs9303280	9.0×10 ⁻⁹	23817569		GSDMB, IKZF3
17q12		rs4795400	2.8×10 ⁻¹⁵	22324		rs4794820	1.0×10 ⁻⁸	22561531	Asthma	ORMDL3
11q13.5	76293758	rs7936323	1.1×10 ⁻¹⁴	-23075	0.570	rs7130588	4.0×10 ⁻¹³	23886662	Atopic dermatitis	C11orf30,LRRC32
11q13.5	76293758	rs7936323	1.1×10 ⁻¹⁴	-23075	0.570	rs7130588	2.0×10 ⁻⁸	21907864	Asthma	LRRC32
11q13.5	76293758	rs7936323	1.1×10 ⁻¹⁴	5436	0.898	rs2155219	1.0×10 ⁻¹⁸	23817571	Allergic sensitization	C11orf30, LRRC32
11q13.5	76293758	rs7936323	1.1×10^{-14}	5436	0.898	rs2155219	2.0×10 ⁻¹⁹	23817569	Calf was auto d allows.	C11orf30, LRRC32
			14				10 10-36		Self-reported allergy	
11q13.5		rs7936323	1.1×10 ⁻¹⁴	5436		rs2155219	4.0×10 ⁻³⁶		Inflammatory bowel disease	Intergenic
11q13.5		rs7936323	1.1×10 ⁻¹⁴	5436		rs2155219	1.0×10 ⁻⁸		IgE grass sensitization	C11orf30, LRRC32
11q13.5		rs7936323	1.1×10 ⁻¹⁴	5436		rs2155219	4.0×10 ⁻⁸		Allergic rhinitis	C11orf30, LRRC32
11q13.5		rs7936323	1.1×10 ⁻¹⁴	5436		rs2155219	5.0×10 ⁻¹⁶		Ulcerative colitis	Intergenic
11q13.5		rs7936323	1.1×10 ⁻¹⁴	7558		rs7927894	8.0×10^{-10}	19349984		C11orf30
11q13.5		rs7936323	1.1×10 ⁻¹⁴	7558		rs7927894	1.0×10 ⁻⁹		Crohn's disease	C11orf30
11q13.5	76293758	rs7936323	1.1×10 ⁻¹⁴	7617	0.642	rs7927997	6.0×10 ⁻¹³	21102463	Crohn's disease Autism spectrum disorder, attention deficit- hyperactivity disorder, bipolar disorder, major depressive disorder, and schizophrenia	C11orf30
1p36.23	8701288	rs4908769	2.3×10 ⁻¹²	-278612	0.618	rs2252865	5.0×10^{-7}	23453885	(combined)	SLC45A1, RERE, ENO1
1p36.23	8701288	rs4908769	2.3×10 ⁻¹²	-278612	0.618	rs2252865	3.0×10^{-6}	21926974	Schizophrenia	
1p36.23	8701288	rs4908769	2.3×10 ⁻¹²	-253566	0.555	rs2120461	3.0×10^{-6}	22504420	Bone mineral density	RERE
12q24.31	123771032		1.3×10 ⁻¹¹			rs7296418	2.0×10 ⁻⁶		Platelet counts	ABCB9
12q24.31	123771032		1.3×10 ⁻¹¹			rs1727313	1.0×10 ⁻⁸		Type 2 diabetes	MPHOSPH9
	123771032		1.3×10 ⁻¹¹				7.0×10 ⁻⁷		Multiple sclerosis	MPHOSPH9
12427.JI	1201/1002	.35,35070	1.5~10	11730/	0.044	.31, 30100	7.0710	1,52,533	. ratapie salatosis	

12q24.31	123771032	rs9739070	1.3×10 ⁻¹¹	-39609	0.551	rs11532322	2.0×10 ⁻⁸	23974872	Schizophrenia	C12orf65, ABCB9,
12q24.31	123771032	rs9739070	1.3×10 ⁻¹¹	51679	0.936	rs7980687	8.0×10 ⁻⁹	22504419	Head circumference (infant)	SBNO1
12q24.31	123771032	rs9739070	1.3×10 ⁻¹¹	52514	0.936	rs11830103	4.0×10^{-15}	20881960	Height	SBNO1
2p25.1	8450123	rs367023	2.1×10 ⁻¹¹	-7875	0.878	rs10174949	1.0×10 ⁻⁷	23817569	Self-reported allergy	ID2
4q27		rs148505069	3.8×10 ⁻¹¹	-285072		rs4505848	5.0×10 ⁻¹³	19430480	**	IL2
4q27		rs148505069	3.8×10 ⁻¹¹	-219129		rs6534347	2.0×10 ⁻⁶	17554300		
4q27		rs148505069	3.8×10^{-11} 3.8×10^{-11}			rs17388568	4.0×10 ⁻⁸	23817569		ADAD1
4q27		rs148505069 rs148505069	3.8×10 -11 3.8×10 -11	-88202 -88202		rs17388568 rs17388568	6.0×10 ⁻⁶ 9.0×10 ⁻⁷	21829393	**	ADAD1
4q27 4q27		rs148505069	3.8×10 ⁻¹¹	-64132		rs17454584	6.0×10 ⁻¹⁰	21297633 23817571		IL21, IL2, ADAD1 IL2, ADAD1,
4q27		rs148505069	3.8×10 ⁻¹¹			rs2069772	1.0×10 ⁻⁶	22036096	_	IL2, ADAD1,
11q23.3		rs11217036	9.3×10 ⁻¹¹	-63991		rs10892279	1.0×10 ⁻¹²	21383967		DDX6
11q23.3		rs11217036	9.3×10 ⁻¹¹	68000	0.671	rs6421571	3.0×10 ⁻¹²	21399635		CXCR5
2q33.1	198943852	rs2164068	1.6×10 ⁻¹⁰	-46957	0.873	rs6738825	6.0×10 ⁻⁶	23983088	Dermatomyositis	PLCL1
2q33.1	198943852	rs2164068	1.6×10 ⁻¹⁰	-46957		rs6738825	4.0×10 ⁻⁹	21102463	Crohn's disease	PLCL1
2q33.1	198943852	rs2164068	1.6×10 ⁻¹⁰	-32686		rs67031482	4.0×10 ⁻⁶	23743675	Alcohol consumption	PLCL1
2q33.1	198943852		1.6×10 ⁻¹⁰	-29780		rs10497813	6.0×10 ⁻¹⁰	23817569		PLCL1
14q21.1		rs61977073	3.5×10 ⁻¹⁰	-74107		rs1998359	5.0×10 ⁻⁸	23817569		FOXA1, TTC6
5q31.1 5q31.1	131995843 131995843		5.5×10 ⁻¹⁰ 5.5×10 ⁻¹⁰	0	1.000	rs1295686 rs1295686	2.0×10 ⁻⁶ 2.0×10 ⁻¹⁷	24241537 23886662	, ,	IL13 IL13, RAD50
5q31.1	131995843		5.5×10 ⁻¹⁰	0	1.000	rs1295686	2.0×10 ⁻⁶		Atopic dermatitis Atopic dermatitis	KIF3A, IL13
5q31.1	131995843		5.5×10 ⁻¹⁰	0		rs1295686	1.0×10 ⁻⁷	20860503		IL13
5q31.1	131995843		5.5×10 ⁻¹⁰	121		rs20541	1.0×10 ⁻⁶	23817569		Intergenic
5q31.1	131995843		5.5×10 ⁻¹⁰	121	0.992	rs20541	1.0×10 ⁻⁸	22286212		IL13
5q31.1	131995843	rs1295686	5.5×10 ⁻¹⁰	121	0.992	rs20541	3.0×10^{-18}	22075330	IgE levels	IL13
5q31.1	131995843	rs1295686	5.5×10^{-10}	121	0.992	rs20541	5.0×10^{-15}	19169254	Psoriasis	IL13
8q21.13	81292599	rs7824394	1.2×10 ⁻⁹	-24444	0.791	rs6473223	8.0×10 ⁻⁸	23817569	Self-reported allergy	TPD52, ZBTB10
8q21.13		rs7824394	1.2×10 ⁻⁹	-720		rs7009110	4.0×10 ⁻⁹		Asthma and hay fever	ZBTB10
8q21.13		rs7824394	1.2×10 ⁻⁹	15551		rs7000782	1.0×10 ⁻⁶		Atopic dermatitis	ZBTB10
3q28	188119901		3.1×10^{-8} 3.1×10^{-8}	-47388		rs9865818	3.0×10 ⁻¹⁰ 9.0×10 ⁻⁸		Allergic sensitization	LPP, BCL6
3q28 3q28	188119901 188119901		3.1×10 ° 3.1×10 ⁻⁸	-32273 -7347		rs9851967 rs1464510	1.0×10 ⁻¹¹	22951725 20410501	_	LPP LPP
3q28	188119901		3.1×10 ⁻⁸	-7347 -7347		rs1464510	3.0×10 ⁻⁴⁰		Celiac disease	LPP
3q28	188119901		3.1×10 ⁻⁸	-7347		rs1464510	5.0×10 ⁻⁹	18311140		LPP
3q28	188119901		3.1×10 ⁻⁸	9078		rs9860547	1.0×10 ⁻⁹	23817569		LPP, BCL6
15q22.33	67468285	rs17294280	3.6×10 ⁻⁸	-25689	0.709	rs17293632	6.0×10^{-16}	23128233	Inflammatory bowel disease	SMAD3
15q22.33	67468285	rs17294280	3.6×10 ⁻⁸	-25689	0.709	rs17293632	3.0×10 ⁻¹⁹	21102463	Crohn's disease	SMAD3
15q22.33	67468285	rs17294280	3.6×10 ⁻⁸	-17980	0.702	rs17228058	1.0×10 ⁻⁸	23817569	Self-reported allergy	SMAD3
15q22.33		rs17294280	3.6×10 ⁻⁸	0		rs17294280	4.0×10 ⁻⁹	24388013	•	SMAD3
9q34.2	136141870		3.6×10 ⁻⁸	7529		rs507666	4.0×10 ⁻¹¹	24386095		ABO
9q34.2	136141870		3.6×10^{-8} 3.6×10^{-8}	7529	0.991		3.0×10 ⁻⁹¹ 5.0×10 ⁻²⁹	21533024		ABO
9q34.2 9q34.2	136141870 136141870		3.6×10 -8	7529 12005		rs507666 rs651007	6.0×10 ⁻²⁰	18604267	Soluble ICAM-1 Blood metabolite levels	ABO ABO
9q34.2 9q34.2	136141870		3.6×10 ⁻⁸	12005		rs651007	1.0×10 ⁻⁵⁶	24094242		SURF6, ABO
9q34.2	136141870		3.6×10 ⁻⁸	12005		rs651007	2.0×10 ⁻²⁵	23381943		ABO
9q34.2	136141870		3.6×10 ⁻⁸	12005		rs651007	6.0×10 ⁻⁹	21909109		ABO
9q34.2	136141870	rs2519093	3.6×10^{-8}	12005	0.826	rs651007	2.0×10 ⁻⁸²	20147318	E-selectin levels	ABO
9q34.2	136141870	rs2519093	3.6×10 ⁻⁸	12298	0.826	rs579459	2.0×10 ⁻³²	24586186	Urinary metabolites (H-NMR features)	ABO
9q34.2	136141870	rs2519093	3.6×10 ⁻⁸	12298	0.826	rs579459	3.0×10 ⁻⁸	24262325	Coronary artery disease or large artery stroke	ABO
9q34.2	136141870	rs2519093	3.6×10 ⁻⁸	12298	0.826	rs579459	2.0×10 ⁻⁹	24262325		ABO
9q34.2	136141870		3.6×10 ⁻⁸	12298		rs579459	2.0×10 ⁻⁷	24262325	Coronary artery disease	ABO
9q34.2	136141870	rs2519093	3.6×10 ⁻⁸	12298	0.826	rs579459	9.0×10^{-18}	23222517	Red blood cell traits	ABO
9q34.2	136141870	rs2519093	3.6×10 ⁻⁸	12298	0.826	rs579459	3.0×10 ⁻¹²³	22001757	Liver enzyme levels (alkaline phosphatase)	ABO
9q34.2	136141870		3.6×10 ⁻⁸	12298	0.826	rs579459	4.0×10 ⁻¹⁴	21378990	Coronary heart disease	ABO
9q34.2	136141870		3.6×10 ⁻⁸			rs579459	2.0×10 ⁻⁴¹	20167578		ABO
9q34.2	136141870		3.6×10 ⁻⁸	12298		rs579459	1.0×10 ⁻²⁹		Soluble E-selectin levels	ABO
9q34.2	136141870		3.6×10^{-8} 3.6×10^{-8}			rs649129	9.0×10 ⁻³⁷ 3.0×10 ⁻¹⁶		Blood metabolite ratios	ABO
9q34.2 9q34.2	136141870 136141870	rs2519093	3.6×10 ° 3.6×10 ⁻⁸			rs495828	3.0×10 10 3.0×10 ⁻¹²		Venous thromboembolism Red blood cell count	ABO ABO
9q34.2 9q34.2		rs2519093 rs2519093	3.6×10 -8			rs495828 rs495828	6.0×10 ⁻¹⁰	20139978	Hematological and biochemical traits	ABO ABO
9q34.2	136141870		3.6×10 ⁻⁸	12997		rs495828	3.0×10 ⁻⁸	20066004		ABO
9q34.2	136141870		3.6×10 ⁻⁸			rs635634	8.0×10 ⁻²²		LDL cholesterol	ABO
9q34.2		rs2519093	3.6×10 ⁻⁸		0.983	rs635634	9.0×10 ⁻²¹	20686565	Cholesterol, total	ABO
17q21.32	47328183	rs28397663	4.3×10 ⁻⁸	74624	0.911	rs12940887	2.0×10 ⁻⁷		Blood pressure	ZNF652
17q21.32	47328183	rs28397663	4.3×10 ⁻⁸	112283	0.867	rs16948048	5.0×10 ⁻⁹	19430483	Diastolic blood pressure	ZNF652, PHB

Replication of GWAS Catalog Results



The following table shows, for each GWAS Catalog result for similar traits, our association test result for our best available proxy (distance < 100kb, $r^2 > 0.8$).

region	position	our.name	our.pval	dist	rsqr	assay.name	pvalue	pubmed.id	trait	genes
2q12.1	102960210	rs3771175	5.2×10 ⁻²⁶	0	1.000	rs3771175	5.0×10 ⁻¹¹	23817571	Allergic sensitization	IL1RL1, IL18R1, IL18RAP
2q13	112470155	rs11122895	0.059	0	1.000	rs11122895	2.0×10^{-6}	23817571	Allergic sensitization	ANAPC1
3q28	188072513	rs9865818	3.9×10^{-6}	0	1.000	rs9865818	3.0×10^{-10}	23817571	Allergic sensitization	LPP, BCL6
4p14	38812876	rs17616434	6.0×10^{-14}	0	1.000	rs17616434	5.0×10^{-11}	23817571	Allergic sensitization	TLR1,TLR6, TLR10, MIR574, FAM114A1
4q27	123353432	rs17454584	6.6×10 ⁻⁹	0	1.000	rs17454584	6.0×10^{-10}	23817571	Allergic sensitization	IL2, ADAD1, KIAA1109, IL21
5q22.1	110190052	rs10056340	1.4×10^{-7}	0	1.000	rs10056340	5.0×10^{-14}	23817571	Allergic sensitization	SLC25A46, TSLP, WDR36, CAMK4
6p21.33	31354182	rs6932730			1.000	rs6932730	4.0×10^{-8}	23817571	Allergic sensitization	HLA-B, MICA, HLA-C, MICB
6p21.32	32626311	rs6906021	2.6×10 ⁻¹⁵	0	1.000	rs6906021	2.0×10^{-12}	23817571	Allergic sensitization	HLA-DQB1, HLA-DQA1,
6p12.1	56210764	rs16887812	0.74	0	1.000	rs16887812	7.0×10^{-6}	23817571	Allergic sensitization	COL21A1
8q24.21	128815029	rs4410871	0.0019	0	1.000	rs4410871	5.0×10^{-10}	23817571	Allergic sensitization	MYC, PVT1
11q13.5	76299194	rs2155219	1.1×10^{-13}	0	1.000	rs2155219	1.0×10^{-18}	23817571	Allergic sensitization	C11orf30, LRRC32
12q13.3	57489709	rs1059513	6.0×10^{-7}	0	1.000	rs1059513	1.0×10^{-14}	23817571	Allergic sensitization	STAT6
5q22.1	110146446	rs17513503	2.5×10 ⁻⁶	0	1.000	rs17513503	7.0×10^{-7}	22036096	Allergic rhinitis	TMEM232, SLCA25A46
5q22.1	110408002	rs1898671	1.3×10 ⁻¹⁵	0	1.000	rs1898671	5.0×10^{-6}	22036096	Allergic rhinitis	TSLP
5q23.1	115975656	rs6898653	0.92	0	1.000	rs6898653	1.0×10^{-6}	22036096	Allergic rhinitis	SEMA6A
7p14.1	42264679	rs4724100	0.74	0	1.000	rs4724100	2.0×10^{-6}	22036096	Allergic rhinitis	GLI3
11q13.5	76299194	rs2155219	1.1×10^{-13}	0	1.000	rs2155219	4.0×10^{-8}	22036096	Allergic rhinitis	C11orf30, LRRC32
14q23.1	60683430	rs216518	0.48	0	1.000	rs216518	2.0×10^{-6}	22036096	Allergic rhinitis	PPM1A, DHRS7
16p13.13	11158885	rs887864	2.3×10^{-9}	0	1.000	rs887864	1.0×10^{-6}	22036096	Allergic rhinitis	CLEC16A
20p11.21	25206654	rs1044573	0.26	0	1.000	rs1044573	1.0×10 ⁻⁶	22036096	Allergic rhinitis	ENTPD6

Nearby Nonsynonymous SNPs

region	position	our.name	our.pval	dist	rsqr	assay.name	gene	aa.chg
2q12.1	102932512	rs950881	6.0×10^{-27}	22956	0.557	rs1041973	IL1RL1	A78E
6p21.32	32626403	rs34004019	3.2×10^{-24}	-17277	0.528	rs1071630	HLA-DQA1	F41S
6p21.32	32626403	rs34004019	3.2×10^{-24}	6367	0.645	rs1049069	HLA-DQB1	Y62?
4p14	38811051	rs11727978	1.1×10^{-15}	-36162	0.823	rs4129009	TLR10	I775V
4p14	38811051	rs11727978	1.1×10^{-15}	-11341	0.675	rs4833095	TLR1	N248S
17q12	38067020	rs4795400	2.8×10^{-15}	-38386	0.807	rs11557467	ZPBP2	S173I
17q12	38067020	rs4795400	2.8×10^{-15}	-4824	0.974	rs2305480	GSDMB	P311S
17q12	38067020	rs4795400	2.8×10^{-15}	-4803	0.833	rs2305479	GSDMB	G304R
2q37.3	242692490	rs35061832	2.8×10^{-13}	-1815	0.741	rs1106639	D2HGDH	V338I
12q24.31	123771032	rs9739070	1.3×10^{-11}	35187	0.943	rs1060105	SBNO1	S729N
2q33.1	198943852	rs2164068	1.6×10^{-10}	6388	0.984	rs1064213	PLCL1	V667I
5q31.1	131995843	rs1295686	5.5×10^{-10}	121	0.992	rs20541	IL13	Q144R

Nearby Expression QTLs

region	position	our.name	our.pval	dist	rsqr	assay.name	eqtl.dist	eqtl.gene	eqtl.pval	eqtl.rsqr	tissue	pubmed.id
6p21.32	32626403	rs34004019	3.2×10^{-24}	-23973	0.826	rs17211510	24814	HLA-DQB1	0.00011	0.187	T-cell	19644074
6p21.32	32626403	rs34004019	3.2×10^{-24}	1503	0.518	rs1063349	81213	HLA-DQA2	2.2×10^{-47}	0.432	Lymphoblastoid	24037378
6p21.32	32626403	rs34004019	3.2×10^{-24}	10031	0.534	rs9274660	40478	HLA-DQA1	1.7×10^{-56}	0.493	Lymphoblastoid	24037378
6p21.32	32626403	rs34004019	3.2×10^{-24}	10031	0.534	rs9274660	274	HLA-DQB1	2.8×10^{-61}	0.522	Lymphoblastoid	24037378
5q22.1	110467499	rs1438673	3.2×10^{-17}	-60757	0.778	rs3806933	982	TSLP	5.8×10^{-9}	0.088	Lymphoblastoid	24037378
5q22.1	110467499	rs1438673	3.2×10^{-17}	-60757	0.778	rs3806933	0	TSLP	3.5×10^{-11}	0.454	Esophagus_Mucosa	23715323
5q22.1	110467499	rs1438673	3.2×10^{-17}	-58432	0.778	rs2289277	0	TSLP	2.8×10^{-8}	0.286	Skin_Sun_Exposed_Lower_leg	23715323
5q22.1	110467499	rs1438673	3.2×10^{-17}	-58432	0.778	rs2289277	0	TSLP	3.0×10^{-8}	0.293	Adipose_Subcutaneous	23715323
5q22.1	110467499	rs1438673	3.2×10^{-17}	-40171	0.826	rs10050834	0	TSLP	2.1×10^{-12}	0.390	Artery_Tibial	23715323
5q22.1	110467499	rs1438673	3.2×10^{-17}	254	0.836	rs1438672	0	TSLP	3.7×10^{-8}	0.287	Thyroid	23715323
4p14	38811051	rs11727978	1.1×10^{-15}	-331593	0.958	rs5743592	-5187	TLR1	9.4×10^{-7}		Liver	18462017
4p14	38811051	rs11727978	1.1×10^{-15}	-267229	0.766	rs17582830	-92536	TLR10	5.6×10^{-18}	0.300	Lymphoblastoid	17873874

1873 1179													
	4p14									2.5×10 ⁻¹⁵	0.258	Lymphoblastoid	
	4p14				-267229	0.766	rs17582830	-69329	TLR1		0.245	Lymphoblastoid	17873874
	4p14				-7988	0.958	rs5743592	25160	TLR6	1.4×10^{-8}	0.024	Monocyte	20502693
	4p14	38811051			-5032	0.975	rs5743563	22204	TLR6		0.183	Lymphoblastoid	19644074
	4p14				-4200	0.975	rs5743556	51587	TLR6		0.140	Lymphoblastoid	24037378
	4p14	38811051	rs11727978		-3687	0.957	rs201774433	22753	TLR10		0.116	Lymphoblastoid	24037378
1/2 2 38067020 rs4795400 2.8×10 ⁻¹⁵ -161913 0.708 rs9749737 172206 GSDMB 2.5×10 ⁻⁸ 0.08 0.40	4p14	38811051	rs11727978	1.1×10^{-15}	-2466	0.975	rs114719937	49853	TLR1		0.123	Lymphoblastoid	24037378
174 12 38067020 rs4795400 2.8×10 ⁻¹⁵ -90551 0.751 rs9303277 100827 ORNDI3 0.0 0.402 Lymphoblastoid 19644074 17412 38067020 rs4795400 2.8×10 ⁻¹⁵ -75882 0.817 rs9905995 0.6508 0.6508 2.4×10 ⁻¹⁶ 0.251 Tlyroid 23715323 17412 38067020 rs4795400 2.8×10 ⁻¹⁵ -15672 0.781 rs8067378 3500 GSDML 2.6×10 ⁻¹⁶ 0.651 Lymphoblastoid 19644074 17412 38067020 rs4795400 2.8×10 ⁻¹⁵ -15672 0.781 rs8067378 3500 GSDML 2.6×10 ⁻¹⁶ 0.651 Lymphoblastoid 19644074 17412 38067020 rs4795400 2.8×10 ⁻¹⁵ -15672 0.781 rs8067378 3500 GSDML 2.6×10 ⁻¹⁶ 0.651 Lymphoblastoid 19644074 17412 38067020 rs4795400 2.8×10 ⁻¹⁵ -1093 0.818 rs8067378 3500 GSDML 2.6×10 ⁻¹⁶ 0.651 Lymphoblastoid 24037378 17412 38067020 rs4795400 2.8×10 ⁻¹⁵ -1093 0.818 rs806402 47602 IK2F3 3.0×10 ⁻⁷ 0.235 Lymphoblastoid 24037378 17412 38067020 rs4795400 2.8×10 ⁻¹⁵ 1023 0.818 rs806402 47602 IK2F3 3.0×10 ⁻⁷ 0.020 Monocyte 20502693 17412 38067020 rs4795400 2.8×10 ⁻¹⁵ 1023 0.818 rs806402 rs4795405 0.9×10 ⁻¹⁵ 0.055 rs795763 0.9×10 ⁻¹⁵ 0.057 rs8064828 37818 SNR0925 0.8×10 ⁻¹⁵ 0.030 Heart_Left_Ventricle 22145964 1224431 123771032 rs9739070 1.3×10 ⁻¹¹ -13405 0.853 rs190640 18729 0.0×10 ⁻¹⁵ 0.0×10 ⁻¹⁵	4p14	38811051	rs11727978		-1127	0.983	rs73236625	59374	FAM114A1		0.092	Lymphoblastoid	24037378
17412 38067020 rs4795400 2.8x10 ⁻¹⁵ -90551 0.751 rs9303277 0 GSMB 2.4x10 ⁻¹³ 0.394 Whole Blood 23715323 17412 38067020 rs4795400 2.8x10 ⁻¹⁵ -1787 0.807 rs12950743 24764 ZPBP2 1.5x10 ⁻⁶ 0.661 Lymphoblastoid 24037378 17412 38067020 rs4795400 2.8x10 ⁻¹⁵ -15672 0.781 rs8067378 3506 0.8MD 2.6x10 ⁻⁶ 0.661 Lymphoblastoid 24037378 17412 38067020 rs4795400 2.8x10 ⁻¹⁵ -15672 0.781 rs8067378 3506 0.8MD 3.0x10 ⁻⁷ 0.252 Lymphoblastoid 24037378 17412 38067020 rs4795400 2.8x10 ⁻¹⁵ -15672 0.781 rs8067378 3506 0.8MD 3.0x10 ⁻⁷ 0.202 Monocyte 25050639 17412 38067020 rs4795400 2.8x10 ⁻¹⁵ 10.904 0.942 rs11651596 0 0.781 0.78067378 0.781 0	17q12	38067020	rs4795400	2.8×10^{-15}	-161913	0.708	rs9747973	172206	GSDMB	2.5×10 ⁻⁸	0.080	Lymphoblastoid	24037378
17412 38067020 rs4795400 2.8x10 ⁻¹⁵ -3582 0.817 rs9905959 0 PGAP3 9.7x10 ⁻⁷ 0.235 Thyroid 23715323 17412 38067020 rs4795400 2.8x10 ⁻¹⁵ -15672 0.781 rs8067378 32506 GSDML 2.6x10 ⁻⁶ 0.263 Lymphoblastoid 19644074 17412 38067020 rs4795400 2.8x10 ⁻¹⁵ -15672 0.781 rs8067378 32506 GSDML 2.6x10 ⁻⁶ 0.263 Lymphoblastoid 19644074 17412 38067020 rs4795400 2.8x10 ⁻¹⁵ -15672 0.781 rs8067378 32506 GSDML 2.6x10 ⁻⁶ 0.263 Lymphoblastoid 19644074 17412 38067020 rs4795400 2.8x10 ⁻¹⁵ -1093 0.942 rs1161596 0 0 ORMDI3 0.9116 1.3x10 ⁻⁷ 0.020 Monocyte 20502693 17412 38067020 rs4795400 2.8x10 ⁻¹⁵ 1023 0.818 rs869402 47602 IZE73 3.0x10 ⁻⁷ 0.020 Monocyte 20502693 1242431 123771032 rs9739070 1.3x10 ⁻¹¹ -15488 0.575 rs795463 0 ABCB9 1.2x10 ⁻⁶ 0.307 Heart_Left_Ventricle 23715323 12424.31 123771032 rs9739070 1.3x10 ⁻¹¹ -15488 0.838 rs1790116 18536 MPHOSPH9 1.8x10 ⁻⁷ 0.328 Esophagus_Muscularis 23715323 12424.31 123771032 rs9739070 1.3x10 ⁻¹¹ -14450 0.851 rs1106240 18729 CDICAPT RP11 4.4x10 ⁻⁷ 0.328 Esophagus_Muscularis 23715323 12424.31 123771032 rs9739070 1.3x10 ⁻¹¹ -14450 0.851 rs1106240 18729 CDICAPT RP11 4.1x10 ⁻⁷ 0.244 Sin_sun_Exposed_Lower_leg 23715323 12424.31 123771032 rs9739070 1.3x10 ⁻¹¹ -4450 0.956 rs187380 0 0.000248 0.00	17q12	38067020	rs4795400	2.8×10^{-15}	-90551	0.751	rs9303277	100827	ORMDL3		0.402	Lymphoblastoid	19644074
17412 38067020 rs4795400 2.8x10 ⁻¹⁵ -15787 0.807 rs12950743 24764 ZPBP2 1.5x10 ⁻¹⁶ 0.661 Lymphoblastoid 19644074 17412 38067020 rs4795400 2.8x10 ⁻¹⁵ -15672 0.781 rs8067378 32506 0.8DML 3.1x10 ⁻³⁷ 0.352 Lymphoblastoid 24037378 17412 38067020 rs4795400 2.8x10 ⁻¹⁵ -10904 0.942 rs11651596 0.00	17q12	38067020	rs4795400	2.8×10^{-15}	-90551	0.751	rs9303277	0	GSDMB	2.4×10^{-13}	0.394	Whole_Blood	23715323
17412 38067020 rs4795400 2.8x10 ⁻¹⁵ -15672 0.781 rs8067378 3250 GSML 2.6x10 ⁻¹⁶ 0.263 Lymphoblastoid 24037378 17412 38067020 rs4795400 2.8x10 ⁻¹⁵ -15672 0.781 rs8067378 3250 ORMDI3 5.7x10 ⁻⁹ 0.277 Whole_Biood 23715323 17412 38067020 rs4795400 2.8x10 ⁻¹⁵ 1023 0.818 rs869402 47602 18273 3.0x10 ⁻⁷ 0.020 Monocyte 20502693 122431 123771032 rs9739070 1.3x10 ⁻¹¹ -313413 0.555 rs7296418 0.0 ABCB9 1.2x10 ⁻⁶ 0.334 Espohagus_Muscularis 23715323 122431 123771032 rs9739070 1.3x10 ⁻¹¹ -152488 0.838 rs179016 1838 MPHOSPH9 1.8x10 ⁻⁷ 0.055 B-Cell 22446964 122431 123771032 rs9739070 1.3x10 ⁻¹¹ -152488 0.838 rs179016 1835 MPHOSPH9 1.8x10 ⁻⁷ 0.328 Espohagus_Muscularis 23715323 122431 123771032 rs9739070 1.3x10 ⁻¹¹ -146597 0.555 rs795763 0.856 rs795763 0.8665 rs795763	17q12	38067020	rs4795400	2.8×10^{-15}	-35882	0.817	rs9905959	0	PGAP3	9.7×10^{-7}	0.235	Thyroid	23715323
17412 38067020 rs4795400 2.8×10 ⁻¹⁵ -15672 0.781 rs8067378 3250 0.8MDL3 3.1×10 ⁻³⁷ 0.352 1/mphoblastoid 2.037378 2.037378 2.038067020 rs4795400 2.8×10 ⁻¹⁵ -1093 0.818 rs869402 4.0602 1.8x23 3.0×10 ⁻⁷ 0.020 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000 0.000000 0.000000 0.000000 0.0000000 0.00000000	17q12	38067020	rs4795400	2.8×10^{-15}	-17787	0.807	rs12950743	24764	ZPBP2	1.5×10^{-6}	0.061	Lymphoblastoid	24037378
17412 38067020 rs4795400 2.8×10 ⁻¹⁵ -1094 0.942 rs11651596 -1094	17q12	38067020	rs4795400	2.8×10^{-15}	-15672	0.781	rs8067378	9500	GSDML	2.6×10 ⁻⁶	0.263	Lymphoblastoid	19644074
17412 38067020 rs4795400 2.8×10 ⁻¹⁵ 1023 0.818 rs869402 47602 KZF3 3.0×10 ⁻⁷ 0.020 Monocyte 2.0502693 1.7412 1.23771032 rs9739070 1.3×10 ⁻¹¹ -1313413 0.565 rs7296418 0.0 AGD9 1.2×10 ⁻⁶ 0.307 Heart_Left_Ventricle 23715323 12q24.31 123771032 rs9739070 1.3×10 ⁻¹¹ -198537 0.572 rs10948428 37818 SNRNP35 7.0×10 ⁻⁵ 0.055 B-Cell 22446944 12q24.31 123771032 rs9739070 1.3×10 ⁻¹¹ -15488 0.838 rs1790116 18536 MPHOSPH9 1.8×10 ⁻⁷ 0.328 Esophagus_Muscularis 23715323 12q24.31 123771032 rs9739070 1.3×10 ⁻¹¹ -15488 0.838 rs1790116 18536 MPHOSPH9 3.8×10 ⁻⁷ 0.047 Monocyte 20502693 12q24.31 123771032 rs9739070 1.3×10 ⁻¹¹ -46152 0.936 rs58809476 0.0 CDK2AP1 1.2×10 ⁻⁶ 0.047 Monocyte 22446964 12q24.31 123771032 rs9739070 1.3×10 ⁻¹¹ -46152 0.936 rs58809476 0.0 CDK2AP1 1.2×10 ⁻⁶ 0.698 Esophagus_Muscularis 23715323 12q24.31 123771032 rs9739070 1.3×10 ⁻¹¹ -416152 0.936 rs1879380 0.0 CDK2AP1 1.3×10 ⁻¹² 0.698 Esophagus_Muscularis 23715323 12q24.31 123771032 rs9739070 1.3×10 ⁻¹¹ -416152 0.936 rs1879380 0.0 CDK2AP1 1.3×10 ⁻¹² 0.698 Esophagus_Muscularis 23715323 12q24.31 123771032 rs9739070 1.3×10 ⁻¹¹ -416152 0.936 rs1879380 0.0 CDK2AP1 1.3×10 ⁻¹² 0.698 Esophagus_Muscularis 23715323 12q24.31 123771032 rs9739070 1.3×10 ⁻¹¹ -41912 0.936 rs1879380 0.0 CDK2AP1 1.3×10 ⁻¹² 0.698 Esophagus_Muscularis 23715323 12q24.31 123771032 rs9739070 1.3×10 ⁻¹¹ -41912 0.936 rs1879380 0.0 CDK2AP1 0.0	17q12	38067020	rs4795400	2.8×10^{-15}	-15672	0.781	rs8067378	32506	ORMDL3	9.1×10^{-37}	0.352	Lymphoblastoid	24037378
17q12 38067020 rs4795400 2.8×10 ⁻¹⁵ 21397 0.865 rs4795405 0 PGAP3 1.3×10 ⁻⁷ 0.34 Esophagus Muscularis 23715323 12q24.31 123771032 rs9739070 1.3×10 ⁻¹¹ -13943 0.565 rs7296418 0 ABCB9 1.2×10 ⁻⁶ 0.307 Heart_Left_Ventricle 23715323 12q24.31 123771032 rs9739070 1.3×10 ⁻¹¹ -166979 0.655 rs7975763 0 MPHOSPH9 1.8×10 ⁻⁷ 0.328 Esophagus_Muscularis 23715323 12q24.31 123771032 rs9739070 1.3×10 ⁻¹¹ -144050 0.655 rs7975763 0 MPHOSPH9 3.0×10 ⁻¹⁶ 0.047 Monocyte 25052693 12q24.31 123771032 rs9739070 1.3×10 ⁻¹¹ -144050 0.851 rs1106240 118729 CDK2AP1 8.4×10 ⁻¹¹ 0.141 B-Cell 22446964 12q24.31 123771032 rs9739070 1.3×10 ⁻¹¹ -31921 0.366 rs1879380 0.660 CDK2AP1 1.2×10 ⁻²⁰ 0.698 Esophagus_Muscularis 23715323 12q24.31 123771032 rs9739070 1.3×10 ⁻¹¹ -31921 0.936 rs1879380 0.6600 CDK2AP1 1.3×10 ⁻²¹ 0.279 Monocyte 22446964 12q24.31 123771032 rs9739070 1.3×10 ⁻¹¹ -31921 0.936 rs1879380 0.0000 CDK2AP1 1.3×10 ⁻²¹ 0.279 Monocyte 22446964 12q24.31 123771032 rs9739070 1.3×10 ⁻¹¹ -31921 0.936 rs1879380 0.00000 CDK2AP1 1.3×10 ⁻²¹ 0.279 Monocyte 22446964 12q24.31 123771032 rs9739070 1.3×10 ⁻¹¹ -31921 0.936 rs1879380 0.000000 CDK2AP1 1.3×10 ⁻²¹ 0.279 Monocyte 23715323 12q24.31 123771032 rs9739070 1.3×10 ⁻¹¹ 62489 0.880 rs9300255 0.000000000000000000000000000000000	17q12	38067020	rs4795400	2.8×10^{-15}	-10904	0.942	rs11651596	0	ORMDL3	5.7×10 ⁻⁹	0.277	Whole_Blood	23715323
12q24.31 123771032 rs9739070 1.3x10 ⁻¹¹ -18517 0.572 rs1084828 378318 SNRNP35 7.0x10 ⁻⁵⁵ 0.055 B-Cell 22446964 12q24.31 123771032 rs9739070 1.3x10 ⁻¹¹ -16697 0.655 rs975763 0.000 MPHOSPH9 1.8x10 ⁻⁷⁵ 0.028 Esophagus_Muscularis 23715323 12q24.31 123771032 rs9739070 1.3x10 ⁻¹¹ -152488 0.838 rs1790116 118720 0.047	17q12	38067020	rs4795400	2.8×10^{-15}	1023	0.818	rs869402	47602	IKZF3	3.0×10^{-7}	0.020	Monocyte	20502693
12q24.31 123771032 rs9739070 1.3x10 ⁻¹¹ -166579 0.555 rs10848428 378318 SNRNP35 7.0x10 ⁻⁵ 0.055 B-Cell 22446964 12q24.31 123771032 rs9739070 1.3x10 ⁻¹¹ -166579 0.655 rs106240 118729 CDK2AP1 0.1041 0.047 Monocyte 0.2502693 12q24.31 123771032 rs9739070 1.3x10 ⁻¹¹ -144050 0.851 rs1106240 118729 CDK2AP1 0.4041 0.414 B-Cell 0.2446964 0.2446964 0.2446964 0.2446964 0.2454964 0.2454964 0.2454964 0.2454964 0.2454964 0.2454964 0.2454964 0.2454964 0.2454964 0.2454964 0.2454964 0.2454964 0.2454964 0.2454964 0.2454964 0.24549664 0.24549664 0.2454964 0.2454964 0.2454964 0.2454964 0.2454964 0.24549664 0.2454964 0.24549664 0.24549664 0.24549664 0.24549664 0.24549664 0.24549664 0.24549664 0.24549664 0.245496669 0.245496669 0.245496669 0.245496669 0.24	17q12	38067020	rs4795400	2.8×10^{-15}	21397	0.865	rs4795405	0	PGAP3	1.3×10^{-7}	0.334	Esophagus_Muscularis	23715323
12q24.31 123771032 rs9739070 1.3x10 ⁻¹¹ -166979 0.655 rs9755763 0 MPHOSPH9 1.8x10 ⁻⁷⁷ 0.328 Esophagus_Muscularis 23715323 12q24.31 123771032 rs9739070 1.3x10 ⁻¹¹ -144050 0.851 rs1106240 118750 CDK2AP1 0.1401 0.141 0.1	12q24.31	123771032	rs9739070	1.3×10^{-11}	-313413	0.565	rs7296418	0	ABCB9	1.2×10^{-6}	0.307	Heart_Left_Ventricle	23715323
12q24.31 123771032 rs9739070 1.3x10 ⁻¹¹ -152488 0.838 rs1790116 18536 MPHOSPH9 3.0x10 ⁻¹⁶ 0.047 Monocyte 20502693 12q24.31 123771032 rs9739070 1.3x10 ⁻¹¹ -138102 0.720 rs1727302 0.48CB9 2.6x10 ⁻⁶ 0.215 SkinSun_Exposed_Lower_leg 23715323 12q24.31 123771032 rs9739070 1.3x10 ⁻¹¹ -46152 0.936 rs1879380 6600 CDK2AP1 1.2x10 ⁻²⁰ 0.698 Esophagus_Mucosa 23715323 12q24.31 123771032 rs9739070 1.3x10 ⁻¹¹ -31921 0.936 rs1879380 0.800 Rs11 1.2x10 ⁻²⁰ 0.687 Esophagus_Mucosa 23715323 12q24.31 123771032 rs9739070 1.3x10 ⁻¹¹ -31921 0.936 rs1879380 0.828018.3 4.1x10 ⁻²⁰ 0.687 Esophagus_Mucosa 23715323 12q24.31 123771032 rs9739070 1.3x10 ⁻¹¹ -62489 0.880 rs9300255	12q24.31	123771032	rs9739070	1.3×10^{-11}	-198537	0.572	rs10848428	378318	SNRNP35	7.0×10^{-5}	0.055	B-Cell	22446964
12q24.31 123771032 rs9739070 1.3×10 ⁻¹¹ -144050 0.851 rs1106240 118729 CDK2AP1 8.4×10 ⁻¹¹ 0.141 B-Cell 22446964 12q24.31 123771032 rs9739070 1.3×10 ⁻¹¹ -46152 0.936 rs58699476 0.000 CDK2AP1 1.2×10 ⁻²⁰ 0.689 Scphagus_Mucosa 23715323 12q24.31 123771032 rs9739070 1.3×10 ⁻¹¹ -31921 0.936 rs1879380 0.000 CDK2AP1 1.3×10 ⁻²¹ 0.279 Monocyte 22446964 12q24.31 123771032 rs9739070 1.3×10 ⁻¹¹ -31921 0.936 rs1879380 0.000 CDK2AP1 1.3×10 ⁻²¹ 0.279 Monocyte 22446964 12q24.31 123771032 rs9739070 1.3×10 ⁻¹¹ -417 0.950 rs71444571 0.000 CDK2AP1 1.3×10 ⁻²¹ 0.249 Schipsus_Mucosa 23715323 12q24.31 123771032 rs9739070 1.3×10 ⁻¹¹ 62489 0.880 rs9300255 0.000 CDK2AP1 Rs11- 0.249 CDK2AP1 Rs11- 0.249 CDK2AP1 Rs11- 0.249 CDK2AP1	12q24.31	123771032	rs9739070	1.3×10^{-11}	-166979	0.655	rs7975763	0	MPHOSPH9	1.8×10^{-7}	0.328	Esophagus_Muscularis	23715323
12q24.31 123771032 rs9739070 1.3×10 ⁻¹¹ -46152 0.936 rs1879380 660 CDK2AP1 1.2×10 ⁻²⁰ 0.698 Esophagus_Mucosa 23715323 12q24.31 123771032 rs9739070 1.3×10 ⁻¹¹ -31921 0.936 rs1879380 6600 CDK2AP1 1.3×10 ⁻²¹ 0.279 Monocyte 22446964 Rp1- rs12471032 rs9739070 1.3×10 ⁻¹¹ -31921 0.936 rs1879380 0.0 282018.3 4.1×10 ⁻²⁰ 0.687 Esophagus_Mucosa 23715323 12q24.31 123771032 rs9739070 1.3×10 ⁻¹¹ -17 0.950 rs71444571 0.0 CDK2AP1 4.1×10 ⁻⁷ 0.244 Skin_Sun_Exposed_Lower_leg 23715323 12q24.31 123771032 rs9739070 1.3×10 ⁻¹¹ 62489 0.880 rs9300255 0.0 CDK2AP1 Rp1- rs12471 123771032 rs9739070 1.3×10 ⁻¹¹ 62489 0.880 rs9300255 0.0 CDK2AP1 Rp1- rs12471 123771032 rs9739070 1.3×10 ⁻¹¹ 62489 0.880 rs9300255 0.0 CDK2AP1 Rp1- rs12471032 rs9739070 1.3×10 ⁻¹¹ 1.4905 0.901 rs28855757 129056 CDK2AP1 1.0×10 ⁻¹⁹ 0.202 Lymphoblastoid 24037378 2725.1 8450123 rs367023 2.1×10 ⁻¹¹ -9901 0.627 rs6734135 377943 ID2 9.0×10 ⁻¹⁰ 0.002 Lymphoblastoid 24037378 2725.1 11675772 rs11217036 9.3×10 ⁻¹¹ -427276 0.603 rs12365699 317693 CCD153 0.0016 Liver 18462017 11q23.3 18675772 rs11217036 9.3×10 ⁻¹¹ -114915 0.555 rs11216943 865608 FXVD2 0.00026 0.168 T-cell 19644074 11q23.3 118675772 rs11217036 9.3×10 ⁻¹¹ -114915 0.550 rs1216943 865608 FXVD2 0.00026 0.168 T-cell 19644074 11q23.3 118675772 rs11217036 9.3×10 ⁻¹¹ -114915 0.550 rs1218657 0.790 PLCL1 3.0×10 ⁻¹⁸ 0.249 Stomach 23715323 11q23.3 118675772 rs11217036 9.3×10 ⁻¹¹ -114915 0.506 rs73001406 0.78 FRH 4.3×10 ⁻⁸ 0.260 Esophagus_Mucosa 23715323 11q23.3 118675772 rs11217036 9.3×10 ⁻¹¹ -114915 0.550 rs1318667 67998 PLCL1 3.0×10 ⁻¹⁸ 0.049 Stomach 23715323 11q23.3 118675772 rs11217036 0.3×10 ⁻¹¹ -114915 0.506 rs123366 0.953	12q24.31	123771032	rs9739070	1.3×10^{-11}	-152488	0.838	rs1790116	18536	MPHOSPH9	3.0×10^{-16}	0.047	Monocyte	20502693
12q24.31 123771032 rs9739070 1.3x10 ⁻¹¹ -46152 0.936 rs58809476 0.0 CDK2AP1 1.2x10 ⁻²⁰ 0.698 Esophagus_Mucosa 23715323 12q24.31 123771032 rs9739070 1.3x10 ⁻¹¹ -31921 0.936 rs1879380 0.0 282018.3 4.1x10 ⁻²⁰ 0.687 Esophagus_Mucosa 23715323 12q24.31 123771032 rs9739070 1.3x10 ⁻¹¹ -31921 0.950 rs1879380 0.0 282018.3 4.1x10 ⁻²⁰ 0.687 Esophagus_Mucosa 23715323 12q24.31 123771032 rs9739070 1.3x10 ⁻¹¹ 62489 0.880 rs9300255 0.0 CDK2AP1 4.1x10 ⁻⁷ 0.244 Esophagus_Mucosa 23715323 12q24.31 123771032 rs9739070 1.3x10 ⁻¹¹ 62489 0.880 rs9300255 0.0 CDK2AP1 3.8x10 ⁻⁷ 0.253 Adipose_Subcutaneous 23715323 12q24.31 123771032 rs9739070 1.3x10 ⁻¹¹ 62489 0.880 rs9300255 0.282018.3 2.1x10 ⁻⁷ 0.262 Adipose_Subcutaneous 23715323 12q24.31 123771032 rs9739070 1.3x10 ⁻¹¹ 62489 0.880 rs9300255 0.282018.3 2.1x10 ⁻⁷ 0.262 Adipose_Subcutaneous 23715323 12q24.31 123771032 rs9739070 1.3x10 ⁻¹¹ 62489 0.890 rs28855757 129056 CDK2AP1 1.0x10 ⁻¹⁹ 0.000 Lymphoblastoid 24037378 2p25.1 8450123 rs367023 2.1x10 ⁻¹¹ 64970 0.603 rs12365699 6.003 7.28255757 7.29056 7.2905 7.290	12q24.31	123771032	rs9739070	1.3×10^{-11}	-144050	0.851	rs1106240	118729	CDK2AP1	8.4×10^{-11}	0.141	B-Cell	22446964
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2q33.1 198943852 rs2164068 1.6×10 ⁻¹⁰ -63371 0.820 rs1318867 67998 PLCL1 3.0×10 ⁻²⁸ 0.083 Monocyte 20502693 2q33.1 198943852 rs2164068 1.6×10 ⁻¹⁰ -36709 0.857 rs9712275 0 PLCL1 3.0×10 ⁻¹¹ 0.341 Whole_Blood 23715323 5q31.1 131995843 rs1295686 5.5×10 ⁻¹⁰ 602 0.963 rs1295685 -265463 SLC22A5 0.00035 0.045 B-Cell 22446964 1q23.3 161187665 rs2070902 1.0×10 ⁻⁹ -28518 0.932 rs4233366 29543 FCER1G 1.4×10 ⁻¹¹ 0.151 Monocyte 22446964 1q23.3 161187665 rs2070902 1.0×10 ⁻⁹ -8981 0.557 rs3924264 162917 USF1 7.6×10 ⁻¹⁵ 0.043 Monocyte 20502693 1q23.3 161187665 rs2070902 1.0×10 ⁻⁹ 2048 0.549 rs4489574 0 FCER1G 2.7×10 ⁻⁹ 0.027 Monocyte<													
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1q23.3 161187665 rs2070902 1.0×10 ⁻⁹ -28518 0.932 rs4233366 29543 FCER1G 1.4×10 ⁻¹¹ 0.151 Monocyte 22446964 1q23.3 161187665 rs2070902 1.0×10 ⁻⁹ -8981 0.557 rs3924264 162917 USF1 7.6×10 ⁻¹⁵ 0.043 Monocyte 20502693 1q23.3 161187665 rs2070902 1.0×10 ⁻⁹ 2048 0.549 rs4489574 0 FCER1G 2.7×10 ⁻⁹ 0.027 Monocyte 20502693 3q28 188119901 rs2030519 3.1×10 ⁻⁸ -14845 0.947 rs9864529 641581 BCL6 5.2×10 ⁻¹⁰ 0.028 Monocyte 20502693 17q21.32 47328183 rs28397663 4.3×10 ⁻⁸ -47882 0.578 rs4794029 3296 GNGT2 1.5×10 ⁻¹⁵ 0.045 Monocyte 20502693	•											_	
1q23.3 161187665 rs2070902 1.0×10 ⁻⁹ -8981 0.557 rs3924264 162917 USF1 7.6×10 ⁻¹⁵ 0.043 Monocyte 20502693 1q23.3 161187665 rs2070902 1.0×10 ⁻⁹ 2048 0.549 rs4489574 0 FCER1G 2.7×10 ⁻⁹ 0.027 Monocyte 20502693 3q28 188119901 rs2030519 3.1×10 ⁻⁸ -14845 0.947 rs9864529 641581 BCL6 5.2×10 ⁻¹⁰ 0.028 Monocyte 20502693 17q21.32 47328183 rs28397663 4.3×10 ⁻⁸ -47882 0.578 rs4794029 3296 GNGT2 1.5×10 ⁻¹⁵ 0.045 Monocyte 20502693	•												
1q23.3 161187665 rs2070902 1.0×10 ⁻⁹ 2048 0.549 rs4489574 0 FCER1G 2.7×10 ⁻⁹ 0.027 Monocyte 20502693 3q28 188119901 rs2030519 3.1×10 ⁻⁸ -14845 0.947 rs9864529 641581 BCL6 5.2×10 ⁻¹⁰ 0.028 Monocyte 20502693 17q21.32 47328183 rs28397663 4.3×10 ⁻⁸ -47882 0.578 rs4794029 3296 GNGT2 1.5×10 ⁻¹⁵ 0.045 Monocyte 20502693												-	
3q28 188119901 rs2030519 3.1×10^{-8} -14845 0.947 rs9864529 641581 BCL6 5.2×10^{-10} 0.028 Monocyte 20502693 17q21.32 47328183 rs28397663 4.3×10^{-8} -47882 0.578 rs4794029 3296 GNGT2 1.5×10^{-15} 0.045 Monocyte 20502693												•	
17q21.32 47328183 rs28397663 4.3×10 ⁻⁸ -47882 0.578 rs4794029 3296 GNGT2 1.5×10 ⁻¹⁵ 0.045 Monocyte 20502693	•											-	
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Nearby Clinical Variants

	_		_						
source	region	our.name	our.pval	dist	rsqr	assay.name	gene	phenotype	accession
clinvar	4p14	rs11727978	1.1×10^{-15}	-11341	0.675	rs4833095	TLR1	Leprosy 5	NCBI curation
omim	4p14	rs11727978	1.1×10^{-15}	-11341	0.675	rs4833095	TLR1		
		rs1295686			0.992	rs20541	IL13	Asthma, susceptibility to	NCBI curation
clinvar	5q31.1	rs1295686	5.5×10^{-10}	121	0.992	rs20541	IL13	Allergic rhinitis	SNOMED CT61582004

Shared Associations with Other 23andMe Phenotypes

region	position	our.name	our.pval	dist	rsqr	assay.name	phenotype	pvalue	gene.context	match
1p36.23	8460247	rs138050288	4.9×10^{-11}	-11843	0.510	rs11121178	PD_all_pop_con	5.8×10^{-7}	[RERE]	
1p36.23	8460247	rs138050288	4.9×10^{-11}	0	1.000	rs138050288	any_animal_allergy	1.6×10^{-10}	[RERE]	TRUE
1p36.23	8460247	rs138050288	4.9×10^{-11}	0	1.000	rs138050288	any_plant_allergy	5.6×10^{-12}	[RERE]	TRUE
1p36.23	8460247	rs138050288	4.9×10^{-11}	0	1.000	rs138050288	dust_mites_allergy	1.2×10^{-8}	[RERE]	TRUE
1p36.23	8701288	rs4908769	2.3×10^{-12}	0	1.000	rs4908769	mold_allergy	9.6×10^{-8}	[RERE]	TRUE
1p36.23	8701288	rs4908769	2.3×10^{-12}	0	1.000	rs4908769	seasonal_allergies_broad	3.2×10^{-12}	[RERE]	TRUE
1p36.23	8817863	rs12403640	1.7×10^{-7}	76483	0.853	rs12068123	tonsillectomy	5.6×10^{-9}	RERE[]ENO1	FALSE
	25224625	6600055	c 4 40=5	•	4 000	6600055		4 4 40=7	DLGAP3[]	E41.05
1p34.3	35384605	rs6699355	6.4×10 ⁻⁵		1.000	rs6699355	iqb.nail_biting_frequency	1.1×10 ⁻⁷	ZMYM6NB	FALSE
1p31.1	72689882	rs201048040	1.8×10 ⁻⁵		1.000	rs201048040	any_immune	3.1×10^{-9}	[NEGR1]	TRUE
1p31.1	72753112		5.3×10 ⁻⁶	-28703	0.904	rs34723450	hayfever_all	2.6×10 ⁻⁸	[NEGR1]	TRUE
1p31.1	72729142	rs1620977	9.2×10 ⁻⁶	0	1.000	rs1620977	seasonal_allergies_broad	8.2×10^{-7}	[NEGR1]	TRUE
1p31.1	72729142	rs1620977	9.2×10 ⁻⁶	0	1.000	rs1620977	personality_ideas	3.9×10^{-7}	[NEGR1]	TRUE
1p31.1	72753112	rs61765650	5.3×10 ⁻⁶	-8162	0.904	rs34874247	any_asthma	4.6×10^{-7}	[NEGR1]	TRUE
1p31.1	72752230	rs2815765	1.0×10^{-5}	-3561	0.922	rs3101339	astigmatism	2.0×10^{-7}	NEGR1[]	TRUE
1p31.1	72752230	rs2815765	1.0×10^{-5}	-3561	0.922	rs3101339	iqb.lost_20lbs	1.6×10^{-8}	NEGR1[]	TRUE
1p31.1	72752230	rs2815765	1.0×10^{-5}	-3561	0.922	rs3101339	juvenile_obesity	6.9×10^{-9}	NEGR1[]	TRUE
1p31.1	72752230	rs2815765	1.0×10^{-5}	-3561	0.922	rs3101339	any_psychiatric	1.2×10^{-7}	NEGR1[]	TRUE
1p31.1	72752230	rs2815765	1.0×10^{-5}	-3561	0.922	rs3101339	depression	2.4×10^{-8}	NEGR1[]	TRUE
1p31.1	72753112	rs61765650	5.3×10 ⁻⁶	844	0.991	rs2568953	heart_metabolic_disease_burden	2.1×10^{-12}	NEGR1-[]	TRUE
1p31.1	72752230	rs2815765	1.0×10^{-5}	60899	1.000	rs1460943	obesity	6.5×10^{-10}	NEGR1[]	TRUE
1p31.1	72752230	rs2815765	1.0×10^{-5}	72914	0.933	rs6699744	bmi	4.1×10^{-26}	NEGR1[]	TRUE
1p31.1	72752230	rs2815765	1.0×10^{-5}	72914	0.933	rs6699744	weight	7.8×10^{-23}	NEGR1[]	TRUE
1p31.1	72752230	rs2815765	1.0×10^{-5}	85009	0.702	rs7531118	heart_metabolic_disease	2.9×10^{-14}	NEGR1[]	TRUE
1p31.1	72752230	rs2815765	1.0×10 ⁻⁵	85009	0.702	rs7531118	high_cholesterol_broad	6.5×10^{-7}	NEGR1[]	TRUE

1p31.1										
	72755105	rs2568952	1.1×10 ⁻⁵	97668	0.525	rs1961767	iqb.took_meds_depression_or_anxiety	4.2×10^{-7}	NEGR1[]	TRUE
1p31.1		rs2815757	5.8×10 ⁻⁶			rs2613476	any_plant_allergy	1.5×10 ⁻⁷	NEGR1[]	TRUE
1q21.3		rs12753254	5.0×10 ⁻⁵		0.960	rs11265613	eczema	3.7×10^{-7}	[IL6R]	TRUE
•			5.0×10 ⁻⁵					7.1×10^{-7}		
1q21.3		rs12753254				rs12730935	iqb.took_meds_anti_tnf_alpha		[IL6R]	FALSE
1q21.3		rs12753254	5.0×10 ⁻⁵			rs2228145	mosquito_severe	1.3×10 ⁻⁸	[IL6R]	TRUE
1q21.3	154416935	rs12753254	5.0×10 ⁻⁵	11348	0.927	rs12133641	mosquito_combined	3.8×10^{-9}	[IL6R]	FALSE
1-22.2	161187665	**2070002	1.0×10 ⁻⁹	20510	0.022	rs4233366	allaugia aethuan	4.8×10 ⁻⁸	B4GALT3	TRUE
1q23.3	10110/003	1520/0902	1.0×10 °	-28518	0.932	154233300	allergic_asthma	4.8×10 °	[]ADAMTS4 B4GALT3	IKUE
1q23.3	161187665	rs2070902	1.0×10 ⁻⁹	-28518	0 932	rs4233366	any_asthma	4.8×10^{-15}	[]ADAMTS4	TRUE
1925.5	101107003	132070302	1.0 ~ 10	20310	0.552	131233300	any_asanna	1.0 × 10	B4GALT3	IIIOL
1q23.3	161187665	rs2070902	1.0×10^{-9}	-28518	0.932	rs4233366	any_plant_allergy	3.4×10^{-7}	[]ADAMTS4	TRUE
•									B4GALT3	
1q23.3	161187665	rs2070902	1.0×10^{-9}	-28518	0.932	rs4233366	seasonal_allergies_broad	5.0×10^{-9}	[]ADAMTS4	TRUE
1q23.3	161187665	rs2070902	1.0×10^{-9}	0	1.000	rs2070902	any_animal_allergy	6.2×10^{-10}	[FCER1G]	TRUE
1q23.3	161187665	rs2070902	1.0×10^{-9}	0	1.000	rs2070902	hayfever_all	8.3×10^{-8}	[FCER1G]	TRUE
1q23.3	161187665	rs2070902	1.0×10^{-9}	0	1.000	rs2070902	igb.took_meds_asthma_or_lung	6.9×10^{-8}	[FCER1G]	TRUE
1q24.2	167436300	rs1617988	1.4×10^{-6}	-16461		rs2988279	dust_mites_allergy	1.7×10 ⁻⁸	[CD247]	TRUE
1q24.2	167436300		1.4×10 ⁻⁶	-2880		rs1723018	any_asthma	1.4×10 ⁻⁸	[CD247]	TRUE
1q24.2	167436300		1.4×10 ⁻⁶	-2023		rs2995091		5.7×10 ⁻⁸	[CD247]	TRUE
•							any_animal_allergy		-	
1q31.1		rs17374746	1.2×10 ⁻⁵	-14409		rs12034854	depression_anxiety_meds	1.1×10 ⁻⁷	[]FAM5C	TRUE
1q31.1		rs17374746	1.2×10 ⁻⁵			rs11802882	any_psychiatric	5.5×10 ⁻⁷	[]FAM5C	TRUE
1q31.1	190163532	rs1855240	1.9×10^{-5}	-33323	0.926	rs1333321	heart_metabolic_disease_burden	6.1×10^{-7}	[FAM5C]	TRUE
1q31.1	190270315	rs199810491	4.5×10^{-5}	-54128	0.522	rs1537429	heart_metabolic_disease	2.4×10^{-7}	[FAM5C]	
1q31.1	190335053	rs1442568	1.7×10^{-5}	90736	0.680	rs12089382	bmi	4.4×10^{-11}	[FAM5C]	TRUE
1q31.1	190335053	rs1442568	1.7×10^{-5}	90736	0.680	rs12089382	weight	8.6×10^{-12}	[FAM5C]	TRUE
2p25.1		rs367023	2.1×10 ⁻¹¹	-11430		rs346835	mosquito_combined	2.3×10^{-13}	[]ID2	FALSE
2p25.1		rs367023	2.1×10 ⁻¹¹	-11430		rs346835	other_animal_allergy	4.1×10 ⁻⁷	[]ID2	TRUE
2p25.1		rs367023	2.1×10 ⁻¹¹			rs367023	any_animal_allergy	9.9×10 ⁻¹⁹	[]ID2	TRUE
2p25.1		rs367023	2.1×10 ⁻¹¹	0	1.000	rs367023	any_food_allergy	3.1×10^{-10}	[]ID2	TRUE
2p25.1		rs367023	2.1×10 ⁻¹¹	0	1.000	rs367023	any_plant_allergy	1.4×10^{-11}	[]ID2	TRUE
2p25.1	8450123	rs367023	2.1×10^{-11}	0	1.000	rs367023	dust_mites_allergy	1.5×10^{-13}	[]ID2	TRUE
2p25.1	8450123	rs367023	2.1×10^{-11}	0	1.000	rs367023	hayfever_all	7.5×10^{-8}	[]ID2	TRUE
2p25.1	8450123	rs367023	2.1×10^{-11}	0	1.000	rs367023	mold_allergy	2.2×10^{-12}	[]ID2	TRUE
2p25.1	8450123	rs367023	2.1×10^{-11}	0	1.000	rs367023	mosquito_severe	1.0×10^{-7}	[]ID2	TRUE
2p25.1		rs367023	2.1×10 ⁻¹¹		1.000	rs367023	seasonal_allergies_broad	1.6×10 ⁻¹¹	[]ID2	TRUE
2p25.1		rs367023	2.1×10 ⁻¹¹	7957	0.694	rs13412757	any_asthma	1.3×10 ⁻⁸	[]ID2	TRUE
			2.1×10 2.1×10 ⁻¹¹							
2p25.1		rs367023		7957	0.694	rs13412757	insect_allergy 	3.9×10^{-8}	[]ID2	TRUE
2p23.2		rs11340945	1.3×10 ⁻⁵	-23716		rs906805	rosacea_all	5.5×10 ⁻⁹	BRE[]FOSL2	
2p23.2		rs11340945	1.3×10 ⁻⁵	-966		rs11127150	rosacea_dx	1.9×10 ⁻⁸	[FOSL2]	
2p23.2	28628595	rs11340945	1.3×10 ⁻⁵	18489	0.763	rs1509394	iqb.gray_amount	4.8×10^{-7}	FOSL2-[]PLB1	
2q12.1	102773999	rs2287048	2.4×10^{-18}	-34178	0.956	rs62156387	iqb.recharge_by_socializing	9.0×10^{-7}	IL1R2[]IL1R1	FALSE
			27					21	IL1RL2[]	
2q12.1	102932512	rs950881	6.0×10 ⁻²⁷	-18870	0.905	rs202011557	any_asthma	5.1×10^{-31}	IL1RL1	
2-12 1	102022512	**OF0001	6.0×10 ⁻²⁷	10200	0.027	ma11C00C44	any inanaya	1.4×10 ⁻¹²	IL1RL2[]	TDUE
2q12.1	102932512			-18298	0.937		any_immune		IL1RL1	TRUE
2q12.1	102932512		6.0×10 ⁻²⁷	-3895	0.958	rs72823628	juvenile_allergic_asthma	4.6×10^{-18}	[IL1RL1]	TRUE
2q12.1	102932512		6.0×10 ⁻²⁷		1.000	rs950881	any_animal_allergy	5.9×10 ⁻³⁷	[IL1RL1]	TRUE
2q12.1	102932512	rs950881	6.0×10^{-27}	0	1.000	rs950881	any_food_allergy	1.9×10^{-12}	[IL1RL1]	TRUE
2q12.1	102932512	rs950881	6.0×10^{-27}	0	1.000	rs950881	any_plant_allergy	1.6×10^{-25}	[IL1RL1]	TRUE
2q12.1	102932512	rs950881	6.0×10^{-27}	0	1.000	rs950881	dust_mites_allergy	8.6×10^{-27}	[IL1RL1]	TRUE
2q12.1	102932512	rs950881	6.0×10^{-27}	0	1.000	rs950881	hayfever all	9.7×10^{-18}	[IL1RL1]	TRUE
2q12.1	102932512		6.0×10 ⁻²⁷	0	1.000	rs950881	mold allergy	2.4×10 ⁻²³	[IL1RL1]	TRUE
	102932512		6.0×10 ⁻²⁷		1.000	rs950881	seasonal_allergies_broad	2.7×10 ⁻²⁸	[IL1RL1]	TRUE
2017 1		rcusnaai					seasonal_allergles_broad	5.7.10	[IL1RL1]	
2q12.1			6.0×10 = 27							TRUE
2q12.1	102932512	rs950881	6.0×10^{-27}	8525		rs116/9893	insect_allergy	5.2×10 ⁻⁸		TRUE
2q12.1 2q12.1	102932512 102932512	rs950881 rs950881	6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷	8525 27698	0.948	rs3771175	milk_allergy	5.1×10^{-8}	[IL1RL1]	TRUE
2q12.1 2q12.1 2q12.1	102932512 102932512 102966310	rs950881 rs950881 rs10208293	6.0×10^{-27} 6.0×10^{-27} 1.5×10^{-16}	8525 27698 0	0.948 1.000	rs3771175 rs10208293	milk_allergy allergic_asthma	5.1×10 ⁻⁸ 7.7×10 ⁻¹⁷	[IL1RL1] [IL1RL1]	TRUE
2q12.1 2q12.1	102932512 102932512 102966310	rs950881 rs950881	6.0×10^{-27} 6.0×10^{-27} 1.5×10^{-16} 1.5×10^{-16}	8525 27698 0 0	0.948 1.000 1.000	rs3771175 rs10208293 rs10208293	milk_allergy	5.1×10^{-8} 7.7×10^{-17} 2.6×10^{-13}	[IL1RL1]	
2q12.1 2q12.1 2q12.1	102932512 102932512 102966310 102966310	rs950881 rs950881 rs10208293	6.0×10^{-27} 6.0×10^{-27} 1.5×10^{-16} 1.5×10^{-16} 1.5×10^{-16}	8525 27698 0 0	0.948 1.000 1.000	rs3771175 rs10208293	milk_allergy allergic_asthma	5.1×10 ⁻⁸ 7.7×10 ⁻¹⁷	[IL1RL1] [IL1RL1]	TRUE
2q12.1 2q12.1 2q12.1 2q12.1	102932512 102932512 102966310 102966310	rs950881 rs950881 rs10208293 rs10208293 rs10208293	6.0×10^{-27} 6.0×10^{-27} 1.5×10^{-16} 1.5×10^{-16}	8525 27698 0 0	0.948 1.000 1.000 1.000	rs3771175 rs10208293 rs10208293	milk_allergy allergic_asthma juvenile_asthma	5.1×10^{-8} 7.7×10^{-17} 2.6×10^{-13}	[IL1RL1] [IL1RL1] [IL1RL1]	TRUE TRUE
2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1	102932512 102932512 102966310 102966310 102966310	rs950881 rs950881 rs10208293 rs10208293 rs10208293 rs950881	6.0×10^{-27} 6.0×10^{-27} 1.5×10^{-16} 1.5×10^{-16} 1.5×10^{-16} 6.0×10^{-27}	8525 27698 0 0 0 34278	0.948 1.000 1.000 1.000 0.833	rs3771175 rs10208293 rs10208293 rs10208293 rs10185897	milk_allergy allergic_asthma juvenile_asthma other_animal_allergy other_plant_allergy	5.1×10 ⁻⁸ 7.7×10 ⁻¹⁷ 2.6×10 ⁻¹³ 1.1×10 ⁻¹⁰ 3.8×10 ⁻⁷	[IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1]	TRUE TRUE TRUE TRUE
2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1	102932512 102932512 102966310 102966310 102966310 102932512 102932512	rs950881 rs950881 rs10208293 rs10208293 rs10208293 rs950881 rs950881	6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷	8525 27698 0 0 0 34278 64539	0.948 1.000 1.000 1.000 0.833 0.906	rs3771175 rs10208293 rs10208293 rs10208293 rs10185897 rs72823677	milk_allergy allergic_asthma juvenile_asthma other_animal_allergy other_plant_allergy iqb.took_meds_asthma_or_lung	5.1×10^{-8} 7.7×10^{-17} 2.6×10^{-13} 1.1×10^{-10} 3.8×10^{-7} 6.6×10^{-22}	[IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL18R1]	TRUE TRUE TRUE TRUE TRUE
2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1	102932512 102932512 102966310 102966310 102966310 102932512 102932512 102960210	rs950881 rs950881 rs10208293 rs10208293 rs10208293 rs950881 rs950881 rs3771175	6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 5.2×10 ⁻²⁶	8525 27698 0 0 0 34278 64539 97682	0.948 1.000 1.000 1.000 0.833 0.906 0.877	rs3771175 rs10208293 rs10208293 rs10208293 rs10185897 rs72823677 rs11465702	milk_allergy allergic_asthma juvenile_asthma other_animal_allergy other_plant_allergy iqb.took_meds_asthma_or_lung tree_nuts_allergy	5.1×10 ⁻⁸ 7.7×10 ⁻¹⁷ 2.6×10 ⁻¹³ 1.1×10 ⁻¹⁰ 3.8×10 ⁻⁷ 6.6×10 ⁻²² 1.7×10 ⁻⁷	[IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL1RR1] [IL18RAP]	TRUE TRUE TRUE TRUE TRUE TRUE
2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1	102932512 102932512 102966310 102966310 102966310 102932512 102932512 102960210 102966549	rs950881 rs950881 rs10208293 rs10208293 rs10208293 rs950881 rs950881 rs3771175 rs10197862	6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 5.2×10 ⁻²⁶ 7.4×10 ⁻²⁶	8525 27698 0 0 0 34278 64539 97682 96971	0.948 1.000 1.000 1.000 0.833 0.906 0.877 0.917	rs3771175 rs10208293 rs10208293 rs10208293 rs10185897 rs72823677 rs11465702 rs11465723	milk_allergy allergic_asthma juvenile_asthma other_animal_allergy other_plant_allergy iqb.took_meds_asthma_or_lung tree_nuts_allergy any_drug_allergy	5.1×10 ⁻⁸ 7.7×10 ⁻¹⁷ 2.6×10 ⁻¹³ 1.1×10 ⁻¹⁰ 3.8×10 ⁻⁷ 6.6×10 ⁻²² 1.7×10 ⁻⁷ 3.5×10 ⁻⁷	[IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL1RR1] [IL18RAP] [IL18RAP] ZSWIM2[]	TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE
2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1	102932512 102932512 102966310 102966310 102966310 102932512 102932512 102960210 102966549	rs950881 rs950881 rs10208293 rs10208293 rs10208293 rs950881 rs950881 rs3771175	6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 5.2×10 ⁻²⁶	8525 27698 0 0 0 34278 64539 97682 96971	0.948 1.000 1.000 1.000 0.833 0.906 0.877 0.917	rs3771175 rs10208293 rs10208293 rs10208293 rs10185897 rs72823677 rs11465702	milk_allergy allergic_asthma juvenile_asthma other_animal_allergy other_plant_allergy iqb.took_meds_asthma_or_lung tree_nuts_allergy	5.1×10 ⁻⁸ 7.7×10 ⁻¹⁷ 2.6×10 ⁻¹³ 1.1×10 ⁻¹⁰ 3.8×10 ⁻⁷ 6.6×10 ⁻²² 1.7×10 ⁻⁷	[IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL18RA1] [IL18RAP] [IL18RAP]	TRUE TRUE TRUE TRUE TRUE TRUE
2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1	102932512 102932512 102966310 102966310 102966310 102932512 102932512 102960210 102966549 188180409	rs950881 rs950881 rs10208293 rs10208293 rs10208293 rs950881 rs950881 rs3771175 rs10197862	6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 5.2×10 ⁻²⁶ 7.4×10 ⁻²⁶	8525 27698 0 0 0 34278 64539 97682 96971	0.948 1.000 1.000 1.000 0.833 0.906 0.877 0.917	rs3771175 rs10208293 rs10208293 rs10208293 rs10185897 rs72823677 rs11465702 rs11465723	milk_allergy allergic_asthma juvenile_asthma other_animal_allergy other_plant_allergy iqb.took_meds_asthma_or_lung tree_nuts_allergy any_drug_allergy	5.1×10 ⁻⁸ 7.7×10 ⁻¹⁷ 2.6×10 ⁻¹³ 1.1×10 ⁻¹⁰ 3.8×10 ⁻⁷ 6.6×10 ⁻²² 1.7×10 ⁻⁷ 3.5×10 ⁻⁷ 1.1×10 ⁻⁷ 7.3×10 ⁻⁷	[IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL1RR1] [IL18RAP] [IL18RAP] ZSWIM2[]	TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE
2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q32.1 2q33.1	102932512 102932512 102966310 102966310 102966310 102932512 102932512 102960210 102966549 188180409 198417987	rs950881 rs950881 rs10208293 rs10208293 rs10208293 rs950881 rs950881 rs3771175 rs10197862 rs62174474	6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 5.2×10 ⁻²⁶ 7.4×10 ⁻⁵	8525 27698 0 0 0 34278 64539 97682 96971 0 -89181	0.948 1.000 1.000 0.833 0.906 0.877 0.917 1.000 0.524	rs3771175 rs10208293 rs10208293 rs10208293 rs10208293 rs10185897 rs72823677 rs11465702 rs11465723 rs62174474 rs2564388	milk_allergy allergic_asthma juvenile_asthma other_animal_allergy other_plant_allergy iqb.took_meds_asthma_or_lung tree_nuts_allergy any_drug_allergy any_drug_allergy any_drug_allergy anxiety	5.1×10 ⁻⁸ 7.7×10 ⁻¹⁷ 2.6×10 ⁻¹³ 1.1×10 ⁻¹⁰ 3.8×10 ⁻⁷ 6.6×10 ⁻²² 1.7×10 ⁻⁷ 3.5×10 ⁻⁷ 1.1×10 ⁻⁷ 7.3×10 ⁻⁷	[IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL18RA] [IL18RAP] [IL18RAP] ZSWIM2[] CALCRL [COQ10B]	TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE
2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q2.1 2q33.1 2q33.1	102932512 102932512 102966310 102966310 102966310 102932512 102932512 102960210 102966549 188180409 198417987 198556418	rs950881 rs950881 rs10208293 rs10208293 rs10208293 rs950881 rs950881 rs3771175 rs10197862 rs62174474 rs58837777 rs75909879	6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 5.2×10 ⁻²⁶ 7.4×10 ⁻⁵ 1.5×10 ⁻⁶ 1.3×10 ⁻⁵	8525 27698 0 0 0 34278 64539 97682 96971 0 -89181 -71932	0.948 1.000 1.000 1.000 0.833 0.906 0.877 0.917 1.000 0.524 0.601	rs3771175 rs10208293 rs10208293 rs10208293 rs10185897 rs72823677 rs11465702 rs11465723	milk_allergy allergic_asthma juvenile_asthma other_animal_allergy other_plant_allergy iqb.took_meds_asthma_or_lung tree_nuts_allergy any_drug_allergy any_drug_allergy anxiety depression_anxiety_meds	5.1×10 ⁻⁸ 7.7×10 ⁻¹⁷ 2.6×10 ⁻¹³ 1.1×10 ⁻¹⁰ 3.8×10 ⁻⁷ 6.6×10 ⁻²² 1.7×10 ⁻⁷ 3.5×10 ⁻⁷ 1.1×10 ⁻⁷ 7.3×10 ⁻⁷ 5.2×10 ⁻⁹	[IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL18R1] [IL18RAP] [IL18RAP] ZSWIM2[] CALCRL	TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE
2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q2.1 2q33.1 2q33.1 2q33.1	102932512 102932512 102966310 102966310 102966310 102932512 102932512 102960210 102966549 188180409 198417987 198556418 198494065	rs950881 rs950881 rs10208293 rs10208293 rs10208293 rs950881 rs950881 rs3771175 rs10197862 rs62174474 rs58837777 rs75909879 rs61054961	6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 5.2×10 ⁻²⁶ 7.4×10 ⁻²⁶ 1.7×10 ⁻⁵ 1.5×10 ⁻⁶ 1.3×10 ⁻⁵ 8.2×10 ⁻⁹	8525 27698 0 0 0 34278 64539 97682 96971 0 -89181 -71932 74011	0.948 1.000 1.000 1.000 0.833 0.906 0.877 0.917 1.000 0.524 0.601 0.577	rs3771175 rs10208293 rs10208293 rs10208293 rs10185897 rs72823677 rs11465702 rs11465723 rs62174474 rs2564388 rs6714697 rs11687698	milk_allergy allergic_asthma juvenile_asthma other_animal_allergy other_plant_allergy iqb.took_meds_asthma_or_lung tree_nuts_allergy any_drug_allergy any_drug_allergy anxiety depression_anxiety_meds any_skin_cancer	5.1×10 ⁻⁸ 7.7×10 ⁻¹⁷ 2.6×10 ⁻¹³ 1.1×10 ⁻¹⁰ 3.8×10 ⁻⁷ 6.6×10 ⁻²² 1.7×10 ⁻⁷ 3.5×10 ⁻⁷ 1.1×10 ⁻⁷ 7.3×10 ⁻⁷ 5.2×10 ⁻⁹ 3.3×10 ⁻⁷	[IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL18RA1] [IL18RAP] [IL18RAP] ZSWIM2[] CALCRL [COQ10B] [RFTN2] RFTN2[]-MARS2	TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE
2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q32.1 2q33.1 2q33.1 2q33.1 2q33.1	102932512 102932512 102966310 102966310 102966310 102932512 102932512 102960210 102966549 188180409 198417987 198556418 198494065 198943852	rs950881 rs950881 rs10208293 rs10208293 rs10208293 rs950881 rs950881 rs3771175 rs10197862 rs62174474 rs58837777 rs75909879 rs61054961 rs2164068	6.0×10^{-27} 6.0×10^{-27} 6.0×10^{-27} 1.5×10^{-16} 1.5×10^{-16} 1.5×10^{-16} 6.0×10^{-27} 6.0×10^{-27} 5.2×10^{-26} 7.4×10^{-26} 1.7×10^{-5} 1.5×10^{-6} 1.3×10^{-5} 8.2×10^{-9} 1.6×10^{-10}	8525 27698 0 0 0 34278 64539 97682 96971 0 -89181 -71932 74011 -60900	0.948 1.000 1.000 0.833 0.906 0.877 0.917 1.000 0.524 0.601 0.577 0.862	rs3771175 rs10208293 rs10208293 rs10208293 rs10185897 rs72823677 rs11465702 rs11465723 rs62174474 rs2564388 rs6714697 rs11687698 rs11681663	milk_allergy allergic_asthma juvenile_asthma other_animal_allergy other_plant_allergy iqb.took_meds_asthma_or_lung tree_nuts_allergy any_drug_allergy any_drug_allergy anxiety depression_anxiety_meds any_skin_cancer morning_person	5.1×10 ⁻⁸ 7.7×10 ⁻¹⁷ 2.6×10 ⁻¹³ 1.1×10 ⁻¹⁰ 3.8×10 ⁻⁷ 6.6×10 ⁻²² 1.7×10 ⁻⁷ 3.5×10 ⁻⁷ 7.3×10 ⁻⁷ 7.3×10 ⁻⁷ 7.3×10 ⁻¹⁸	[IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL18RA1] [IL18RAP] [IL18RAP] ZSWIM2[] CALCRL [COQ10B] [RFTN2] RFTN2[]-MARS2 [PLCL1]	TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE
2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1	102932512 102932512 102966310 102966310 102966310 102932512 102932512 102960210 102966549 188180409 198417987 19855496465 198943852	rs950881 rs950881 rs10208293 rs10208293 rs950881 rs950881 rs3771175 rs10197862 rs62174474 rs58837777 rs75909879 rs61054961 rs2164068	6.0×10^{-27} 6.0×10^{-27} 1.5×10^{-16} 1.5×10^{-16} 1.5×10^{-16} 1.5×10^{-16} 6.0×10^{-27} 6.0×10^{-27} 5.2×10^{-26} 7.4×10^{-26} 1.7×10^{-5} 1.5×10^{-6} 1.3×10^{-5} 8.2×10^{-9} 1.6×10^{-10} 1.6×10^{-10}	8525 27698 0 0 0 34278 64539 97682 96971 0 -89181 -71932 74011 -60900 0	0.948 1.000 1.000 0.833 0.906 0.877 0.917 1.000 0.524 0.601 0.577 0.862 1.000	rs3771175 rs10208293 rs10208293 rs10208293 rs10185897 rs72823677 rs11465702 rs11465723 rs62174474 rs2564388 rs6714697 rs11687698 rs11681663 rs2164068	milk_allergy allergic_asthma juvenile_asthma other_animal_allergy other_plant_allergy iqb.took_meds_asthma_or_lung tree_nuts_allergy any_drug_allergy any_drug_allergy anxiety depression_anxiety_meds any_skin_cancer morning_person any_animal_allergy	5.1×10 ⁻⁸ 7.7×10 ⁻¹⁷ 2.6×10 ⁻¹³ 1.1×10 ⁻¹⁰ 3.8×10 ⁻⁷ 6.6×10 ⁻²² 1.7×10 ⁻⁷ 3.5×10 ⁻⁷ 1.1×10 ⁻⁷ 7.3×10 ⁻⁷ 5.2×10 ⁻⁹ 3.3×10 ⁻⁷ 7.3×10 ⁻¹⁸ 3.7×10 ⁻¹³	[IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL18R1] [IL18RAP] [IL18RAP] [IL18RAP] CALCRL [COQ10B] [RFTN2] RFTN2[]-MARS2 [PLCL1] [PLCL1]	TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE
2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1	102932512 102932512 102966310 102966310 102966310 102932512 102932512 102960210 102966549 188180409 198417987 198556418 198494065 198943852 198943852	rs950881 rs950881 rs10208293 rs10208293 rs950881 rs950881 rs3771175 rs10197862 rs62174474 rs58837777 rs75909879 rs51054961 rs2164068 rs2164068	6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 5.2×10 ⁻²⁶ 7.4×10 ⁻⁵ 1.7×10 ⁻⁵ 1.5×10 ⁻⁶ 1.3×10 ⁻⁵ 8.2×10 ⁻⁹ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰	8525 27698 0 0 34278 64539 97682 96971 0 -89181 -71932 74011 -609000 0	0.948 1.000 1.000 0.833 0.906 0.877 0.917 1.000 0.524 0.601 0.577 0.862 1.000 1.000	rs3771175 rs10208293 rs10208293 rs10208293 rs10208293 rs10185897 rs72823677 rs11465702 rs11465723 rs62174474 rs2564388 rs6714697 rs11687698 rs11681663 rs2164068 rs2164068	milk_allergy allergic_asthma juvenile_asthma other_animal_allergy other_plant_allergy iqb.took_meds_asthma_or_lung tree_nuts_allergy any_drug_allergy any_drug_allergy anxiety depression_anxiety_meds any_skin_cancer morning_person any_animal_allergy any_plant_allergy	5.1×10 ⁻⁸ 7.7×10 ⁻¹⁷ 2.6×10 ⁻¹³ 1.1×10 ⁻¹⁰ 3.8×10 ⁻⁷ 6.6×10 ⁻²² 1.7×10 ⁻⁷ 3.5×10 ⁻⁷ 1.1×10 ⁻⁷ 7.3×10 ⁻⁷ 5.2×10 ⁻⁹ 3.3×10 ⁻⁷ 7.3×10 ⁻¹⁸ 3.7×10 ⁻¹³ 2.0×10 ⁻¹¹	[IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL1RR1] [IL18RAP] [IL18RAP] [IL18RAP] [COQ10B] [RFTN2] RFTN2-[]-MARS2 [PLCL1] [PLCL1]	TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE
2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1	102932512 102932512 102966310 102966310 102966310 102932512 102932512 102960210 102966549 188180409 198417987 198556418 198494065 198943852 198943852	rs950881 rs950881 rs10208293 rs10208293 rs950881 rs950881 rs3771175 rs10197862 rs62174474 rs58837777 rs75909879 rs61054961 rs2164068 rs2164068 rs2164068	6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 5.2×10 ⁻²⁶ 7.4×10 ⁻⁵ 1.5×10 ⁻⁶ 1.3×10 ⁻⁵ 8.2×10 ⁻⁹ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰	8525 27698 0 0 34278 64539 97682 96971 0 -89181 -71932 74011 -60900 0	0.948 1.000 1.000 0.833 0.906 0.877 0.917 1.000 0.524 0.601 0.577 0.862 1.000 1.000	rs3771175 rs10208293 rs10208293 rs10208293 rs10208293 rs10208297 rs72823677 rs11465702 rs11465723 rs62174474 rs2564388 rs6714697 rs11687698 rs11681663 rs2164068 rs2164068	milk_allergy allergic_asthma juvenile_asthma other_animal_allergy other_plant_allergy iqb.took_meds_asthma_or_lung tree_nuts_allergy any_drug_allergy any_drug_allergy anyiety depression_anxiety_meds any_skin_cancer morning_person any_animal_allergy any_plant_allergy seasonal_allergies_broad	5.1×10 ⁻⁸ 7.7×10 ⁻¹⁷ 2.6×10 ⁻¹³ 1.1×10 ⁻¹⁰ 3.8×10 ⁻⁷ 6.6×10 ⁻²² 1.7×10 ⁻⁷ 3.5×10 ⁻⁷ 1.1×10 ⁻⁷ 7.3×10 ⁻⁷ 5.2×10 ⁻⁹ 3.3×10 ⁻⁷ 7.3×10 ⁻¹⁸ 3.7×10 ⁻¹⁸ 2.0×10 ⁻¹¹ 4.7×10 ⁻¹¹	[IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL1RR1] [IL18RAP] [IL18RAP] ZSWIM2[] CALCRL [COQ10B] [RFTN2] RFTN2-[]-MARS2 [PLCL1] [PLCL1] [PLCL1]	TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE
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2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q32.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1	102932512 102932512 102966310 102966310 102966310 102932512 102932512 102960210 102966549 188180409 198417987 198556418 198494065 198943852 198943852 198943852 198943852 198943852	rs950881 rs950881 rs10208293 rs10208293 rs10208293 rs10208293 rs950881 rs950881 rs3771175 rs10197862 rs62174474 rs58837777 rs75909879 rs61054961 rs2164068 rs2164068 rs2164068 rs2164068 rs2164068 rs2164068 rs2164068 rs2164068 rs2164068	6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 5.2×10 ⁻²⁶ 7.4×10 ⁻²⁶ 1.7×10 ⁻⁵ 1.5×10 ⁻⁶ 1.3×10 ⁻⁵ 8.2×10 ⁻⁹ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 5.6×10 ⁻⁵ 3.3×10 ⁻⁵ 1.5×10 ⁻⁵	8525 27698 0 0 0 34278 64539 97682 96971 0 -89181 -71932 74011 -60900 0 0 6388 85116 0 -12739	0.948 1.000 1.000 0.833 0.906 0.877 0.917 1.000 0.524 0.601 0.577 0.862 1.000 1.000 0.984 0.659 1.000	rs3771175 rs10208293 rs10208293 rs10208293 rs10208293 rs102185897 rs72823677 rs11465702 rs11465723 rs62174474 rs2564388 rs6714697 rs11687698 rs11681663 rs2164068 rs2164068 rs2164068 rs2164068 rs1064213 rs1456522 rs12618605 rs6738964	milk_allergy allergic_asthma juvenile_asthma other_animal_allergy other_plant_allergy iqb.took_meds_asthma_or_lung tree_nuts_allergy any_drug_allergy any_drug_allergy anxiety depression_anxiety_meds any_skin_cancer morning_person any_animal_allergy any_plant_allergy seasonal_allergies_broad dust_mites_allergy age_first_menses any_immune any_asthma	5.1×10 ⁻⁸ 7.7×10 ⁻¹⁷ 2.6×10 ⁻¹³ 1.1×10 ⁻¹⁰ 3.8×10 ⁻⁷ 6.6×10 ⁻²² 1.7×10 ⁻⁷ 3.5×10 ⁻⁷ 1.1×10 ⁻⁷ 7.3×10 ⁻⁷ 5.2×10 ⁻⁹ 3.3×10 ⁻⁷ 7.3×10 ⁻¹³ 2.0×10 ⁻¹¹ 4.7×10 ⁻¹¹ 1.7×10 ⁻¹¹ 8.9×10 ⁻¹⁰ 2.4×10 ⁻⁷ 4.7×10 ⁻⁷	[IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL18RAP] [IL18RAP] [IL18RAP] ZSWIM2[] CALCRL [COQ10B] [RFTN2] RFTN2[]-MARS2 [PLCL1]	TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE
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2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q32.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1	102932512 102932512 102966310 102966310 102966310 102932512 102932512 102960210 102966549 188180409 198417987 198556418 198494065 198943852 198943852 198943852 198943852 198943852 198943852	rs950881 rs950881 rs10208293 rs10208293 rs10208293 rs10208293 rs950881 rs950881 rs3771175 rs10197862 rs62174474 rs58837777 rs75909879 rs61054961 rs2164068 rs2164068 rs2164068 rs2164068 rs2164068 rs2164068 rs2164068 rs2164068 rs2164068	6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 5.2×10 ⁻²⁶ 7.4×10 ⁻²⁶ 1.7×10 ⁻⁵ 1.5×10 ⁻⁶ 1.3×10 ⁻⁵ 8.2×10 ⁻⁹ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 5.6×10 ⁻⁵ 3.3×10 ⁻⁵ 1.5×10 ⁻⁵ 1.5×10 ⁻⁵ 1.5×10 ⁻⁵ 1.5×10 ⁻⁵ 1.5×10 ⁻⁵ 3.4×10 ⁻⁵	8525 27698 0 0 34278 64539 97682 96971 0 -89181 -71932 74011 -60900 0 0 6388 85116 0 -12739	0.948 1.000 1.000 0.833 0.906 0.877 0.917 1.000 0.524 0.601 0.577 0.862 1.000 1.000 0.984 0.659 1.000 1.000	rs3771175 rs10208293 rs10208293 rs10208293 rs10208293 rs102185897 rs72823677 rs11465702 rs11465723 rs62174474 rs2564388 rs6714697 rs11687698 rs11681663 rs2164068 rs2164068 rs2164068 rs2164068 rs1064213 rs1456522 rs12618605 rs6738964	milk_allergy allergic_asthma juvenile_asthma other_animal_allergy other_plant_allergy iqb.took_meds_asthma_or_lung tree_nuts_allergy any_drug_allergy any_drug_allergy anxiety depression_anxiety_meds any_skin_cancer morning_person any_animal_allergy any_plant_allergy seasonal_allergies_broad dust_mites_allergy age_first_menses any_immune any_asthma	5.1×10 ⁻⁸ 7.7×10 ⁻¹⁷ 2.6×10 ⁻¹³ 1.1×10 ⁻¹⁰ 3.8×10 ⁻⁷ 6.6×10 ⁻²² 1.7×10 ⁻⁷ 3.5×10 ⁻⁷ 1.1×10 ⁻⁷ 7.3×10 ⁻⁷ 5.2×10 ⁻⁹ 3.3×10 ⁻⁷ 7.3×10 ⁻¹³ 2.0×10 ⁻¹¹ 4.7×10 ⁻¹¹ 1.7×10 ⁻¹¹ 8.9×10 ⁻¹⁰ 2.4×10 ⁻⁷ 4.7×10 ⁻⁷	[IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL18RAP] [IL18RAP] [IL18RAP] ZSWIM2[] CALCRL [COQ10B] [RFTN2] RFTN2[]-MARS2 [PLCL1]	TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE
2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.3 2q36.3	102932512 102932512 102966310 102966310 102966310 102932512 102932512 102960210 102966549 188180409 198417987 198556418 198494065 198943852 198943852 198943852 198943852 198943852 199684067 208339634 228751874 228751874	rs950881 rs950881 rs10208293 rs10208293 rs950881 rs950881 rs950881 rs3771175 rs10197862 rs62174474 rs58837777 rs75909879 rs61054961 rs2164068 rs2164068 rs2164068 rs2164068 rs2164068 rs2164068 rs2164068 rs2164068 rs2164068 rs2164068 rs2164068 rs2164068	6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 5.2×10 ⁻²⁶ 7.4×10 ⁻²⁶ 1.7×10 ⁻⁵ 1.5×10 ⁻⁶ 1.3×10 ⁻⁵ 8.2×10 ⁻⁹ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻⁵ 3.3×10 ⁻⁵ 1.5×10 ⁻⁵ 1.5×10 ⁻⁵	8525 27698 0 0 34278 64539 97682 96971 0 -89181 -71932 74011 -60900 0 0 6388 85116 0 -12739	0.948 1.000 1.000 1.000 0.833 0.906 0.877 0.917 1.000 0.524 0.601 0.577 0.862 1.000 1.000 0.984 0.659 1.000 1.000 0.847	rs3771175 rs10208293 rs10208293 rs10208293 rs10208293 rs102185897 rs72823677 rs11465702 rs11465723 rs62174474 rs2564388 rs6714697 rs11687698 rs11681663 rs2164068 rs2164068 rs2164068 rs2164068 rs2164068 rs1064213 rs1456522 rs12618605 rs6738964 rs1721359	milk_allergy allergic_asthma juvenile_asthma other_animal_allergy iqb.took_meds_asthma_or_lung tree_nuts_allergy any_drug_allergy any_drug_allergy any_idrug_allergy anxiety depression_anxiety_meds any_skin_cancer morning_person any_animal_allergy any_plant_allergy seasonal_allergies_broad dust_mites_allergy age_first_menses any_asthma any_animal_allergy bmi	5.1×10 ⁻⁸ 7.7×10 ⁻¹⁷ 2.6×10 ⁻¹³ 1.1×10 ⁻¹⁰ 3.8×10 ⁻⁷ 6.6×10 ⁻²² 1.7×10 ⁻⁷ 3.5×10 ⁻⁷ 1.1×10 ⁻⁷ 7.3×10 ⁻⁷ 5.2×10 ⁻⁹ 3.3×10 ⁻⁷ 7.3×10 ⁻¹⁸ 3.7×10 ⁻¹⁸ 3.7×10 ⁻¹¹ 4.7×10 ⁻¹¹ 4.7×10 ⁻¹¹ 8.9×10 ⁻¹⁰ 2.4×10 ⁻⁷ 4.7×10 ⁻⁷ 1.7×10 ⁻⁷	[IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL18R1] [IL18RAP] [IL18RAP] [IL18RAP] [COQ10B] [RFTN2] [RFTN2[]-MARS2 [PLCL1] [TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE
2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.3 2q36.3 2q36.3 2q36.3 2q37.3	102932512 102932512 102966310 102966310 102966310 102932512 102932512 102960210 102966549 188180409 198417987 198556418 198494065 198943852 198943852 198943852 198943852 198943852 198943852 198943852 198943852 198943852 198943852	rs950881 rs950881 rs10208293 rs10208293 rs950881 rs950881 rs950881 rs3771175 rs10197862 rs62174474 rs58837777 rs75909879 rs61054961 rs2164068 rs2164068 rs2164068 rs2164068 rs2164068 rs2164068 rs2164068 rs2164068 rs2164068 rs2164068 rs2164068	6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 5.2×10 ⁻²⁶ 7.4×10 ⁻²⁶ 1.7×10 ⁻⁵ 1.5×10 ⁻⁶ 1.3×10 ⁻⁵ 8.2×10 ⁻⁹ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 5.6×10 ⁻⁵ 3.3×10 ⁻⁵ 1.5×10 ⁻⁵ 1.5×10 ⁻⁵ 3.4×10 ⁻⁵ 3.4×10 ⁻⁵ 2.8×10 ⁻¹³	8525 27698 0 0 34278 64539 97682 96971 0 -89181 -71932 74011 -60900 0 0 6388 85116 0 -12739 0 -3139 -10461	0.948 1.000 1.000 1.000 0.833 0.906 0.877 0.917 1.000 0.524 0.601 0.577 0.862 1.000 1.000 0.984 0.659 1.000 1.000 1.000 1.000	rs3771175 rs10208293 rs10208293 rs10208293 rs10208293 rs10185897 rs72823677 rs11465702 rs11465723 rs62174474 rs2564388 rs6714697 rs11687698 rs11681663 rs2164068 rs2164068 rs2164068 rs2164068 rs2164068 rs2164068 rs1064213 rs1456522 rs12618605 rs6738964 rs1721359 rs61325615 rs78147778	milk_allergy allergic_asthma juvenile_asthma other_animal_allergy other_plant_allergy iqb.took_meds_asthma_or_lung tree_nuts_allergy any_drug_allergy any_drug_allergy any_drug_allergy anxiety depression_anxiety_meds any_skin_cancer morning_person any_animal_allergy any_plant_allergy seasonal_allergies_broad dust_mites_allergy age_first_menses any_immune any_animal_allergy bmi any_immune	5.1×10 ⁻⁸ 7.7×10 ⁻¹⁷ 2.6×10 ⁻¹³ 1.1×10 ⁻¹⁰ 3.8×10 ⁻⁷ 6.6×10 ⁻²² 1.7×10 ⁻⁷ 3.5×10 ⁻⁷ 1.1×10 ⁻⁷ 7.3×10 ⁻⁷ 5.2×10 ⁻⁹ 3.3×10 ⁻⁷ 7.3×10 ⁻¹³ 2.0×10 ⁻¹¹ 4.7×10 ⁻¹¹ 1.7×10 ⁻¹¹ 8.9×10 ⁻¹⁰ 2.4×10 ⁻⁷ 4.7×10 ⁻⁷ 1.7×10 ⁻⁷ 1.7×10 ⁻⁷ 1.2×10 ⁻⁸	[IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL1RR1] [IL18RAP] [IL18RAP] [IL18RAP] [ICOQ10B] [RFTN2-[]MARS2 [PLCL1]	TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE
2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.3 2q36.3 2q36.3 2q36.3 2q37.3	102932512 102932512 102966310 102966310 102966310 102932512 102932512 102960210 102966549 188180409 198417987 198556418 198494065 198943852 198943852 198943852 198943852 198943852 198943852 199684067 208339634 228751874 228751874 229021373 242692490 242692490	rs950881 rs950881 rs10208293 rs10208293 rs950881 rs950881 rs971175 rs10197862 rs62174474 rs58837777 rs75909879 rs61054961 rs2164068 rs2164068 rs2164068 rs2164068 rs164068 rs164068 rs164068 rs1721359 rs1721359 rs1721359 rs1721359 rs1721359 rs10333239 rs35061832	6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 5.2×10 ⁻²⁶ 7.4×10 ⁻²⁶ 1.7×10 ⁻⁵ 1.5×10 ⁻⁶ 1.3×10 ⁻⁵ 8.2×10 ⁻⁹ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻⁵ 3.3×10 ⁻⁵ 1.5×10 ⁻⁵ 3.4×10 ⁻⁵ 2.8×10 ⁻¹³ 2.8×10 ⁻¹³	8525 27698 0 0 34278 64539 97682 96971 0 -89181 -71932 74011 -60900 0 0 6388 85116 0 -12739 0 -31339 -10461 -10461	0.948 1.000 1.000 0.833 0.906 0.877 0.917 1.000 0.524 0.601 0.577 0.862 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000	rs3771175 rs10208293 rs10208293 rs10208293 rs10208293 rs10208293 rs10288297 rs72823677 rs11465702 rs11465723 rs62174474 rs2564388 rs6714697 rs11687698 rs11681663 rs2164068 rs2164068 rs2164068 rs2164068 rs2164068 rs1064213 rs1456522 rs12618605 rs6738964 rs1721359 rs61325615 rs78147778 rs78147778	milk_allergy allergic_asthma juvenile_asthma other_animal_allergy other_plant_allergy iqb.took_meds_asthma_or_lung tree_nuts_allergy any_drug_allergy any_drug_allergy any_drug_allergy anxiety depression_anxiety_meds any_skin_cancer morning_person any_animal_allergy any_plant_allergy seasonal_allergies_broad dust_mites_allergy age_first_menses any_immune any_asthma any_animal_allergy bmi any_immune other_animal_allergy	5.1×10 ⁻⁸ 7.7×10 ⁻¹⁷ 2.6×10 ⁻¹³ 1.1×10 ⁻¹⁰ 3.8×10 ⁻⁷ 6.6×10 ⁻²² 1.7×10 ⁻⁷ 3.5×10 ⁻⁷ 1.1×10 ⁻⁷ 7.3×10 ⁻⁷ 5.2×10 ⁻⁹ 3.3×10 ⁻⁷ 7.3×10 ⁻¹⁸ 3.7×10 ⁻¹¹ 4.7×10 ⁻¹¹ 1.7×10 ⁻¹¹ 8.9×10 ⁻¹⁰ 2.4×10 ⁻⁷ 4.7×10 ⁻⁷ 1.7×10 ⁻⁷ 6.2×10 ⁻⁷ 1.2×10 ⁻⁸ 7.6×10 ⁻⁸	[IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL18RAP] [IL18RAP] [IL18RAP] [ZSWIM2[] CALCRL [COQ10B] [RFTN2] [RFTN2[]-MARS2 [PLCL1] [PL	TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE
2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.3 2q36.3 2q36.3 2q36.3 2q36.3 2q37.3 2q37.3	102932512 102932512 102966310 102966310 102966310 102932512 102932512 102960210 102966549 188180409 198417987 198556418 198494065 198943852 198943852 198943852 198943852 198943852 198943852 198943852 198943852 198943852 198943852 198943852 198943852 198943852 198943852 198943852 198943852 198943852 198943852	rs950881 rs950881 rs10208293 rs10208293 rs10208293 rs950881 rs9771175 rs10197862 rs62174474 rs58837777 rs75909879 rs61054961 rs2164068 rs2164068 rs2164068 rs2164068 rs10931833 rs12618605 rs1721359	6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 5.2×10 ⁻²⁶ 7.4×10 ⁻²⁶ 1.7×10 ⁻⁵ 1.5×10 ⁻⁶ 1.3×10 ⁻⁵ 8.2×10 ⁻⁹ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.5×10 ⁻⁵ 3.3×10 ⁻⁵ 1.5×10 ⁻⁵ 3.3×10 ⁻⁵ 1.5×10 ⁻⁵ 3.4×10 ⁻⁵ 2.8×10 ⁻¹³ 2.8×10 ⁻¹³	8525 27698 0 0 34278 64539 97682 96971 0 -89181 -71932 74011 -60900 0 0 0 6388 85116 0 -12739 0 -3139 10461 -10461 -10461 -1815	0.948 1.000 1.000 0.833 0.906 0.877 0.917 1.000 0.524 0.601 0.577 0.862 1.000 1.000 0.984 0.659 1.000 1.000 0.847 0.724 0.724	rs3771175 rs10208293 rs10208293 rs10208293 rs10208293 rs10208293 rs10208293 rs208293 rs21208297 rs21823677 rs11465702 rs11465723 rs62174474 rs2564388 rs6714697 rs11687698 rs1681663 rs2164068 rs2164068 rs2164068 rs2164068 rs2164068 rs2164068 rs1064213 rs1456522 rs12618605 rs6738964 rs1721359 rs61325615 rs78147778 rs78147778 rs1106639	milk_allergy allergic_asthma juvenile_asthma other_animal_allergy other_plant_allergy iqb.took_meds_asthma_or_lung tree_nuts_allergy any_drug_allergy any_drug_allergy any_drug_allergy anxiety depression_anxiety_meds any_skin_cancer morning_person any_animal_allergy seasonal_allergy seasonal_allergy seasonal_allergy age_first_menses any_immune any_asthma any_animal_allergy bmi any_immune other_animal_allergy other_plant_allergy	5.1×10 ⁻⁸ 7.7×10 ⁻¹⁷ 2.6×10 ⁻¹³ 1.1×10 ⁻¹⁰ 3.8×10 ⁻⁷ 6.6×10 ⁻²² 1.7×10 ⁻⁷ 3.5×10 ⁻⁷ 1.1×10 ⁻⁷ 7.3×10 ⁻⁷ 5.2×10 ⁻⁹ 3.3×10 ⁻⁷ 7.3×10 ⁻¹⁸ 3.7×10 ⁻¹¹ 4.7×10 ⁻¹¹ 1.7×10 ⁻¹¹ 8.9×10 ⁻¹⁰ 2.4×10 ⁻⁷ 4.7×10 ⁻⁷ 1.7×10 ⁻⁷ 6.2×10 ⁻⁷ 1.2×10 ⁻⁸ 1.8×10 ⁻⁸	[IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL18RAP] [IL18RAP] [IL18RAP] ZSWIM2[] CALCRL [COQ10B] [RFTN2-[]-MARS2 [PLCL1] [PLCL	TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE
2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q32.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.3 2q36.3 2q36.3 2q36.3 2q37.3 2q37.3	102932512 102932512 102966310 102966310 102966310 102932512 102932512 102960210 102966549 188180409 198417987 198556418 198943852 198943852 198943852 198943852 198943852 198943852 198943852 198943852 198943852 198943852 198943852 198943852 198943852 194067 208339634 228751874 228751874 229021373 242692490 242692490 242692490	rs950881 rs950881 rs10208293 rs10208293 rs10208293 rs10208293 rs950881 rs950881 rs3771175 rs10197862 rs62174474 rs58837777 rs75909879 rs61054961 rs2164068	6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 5.2×10 ⁻²⁶ 7.4×10 ⁻²⁶ 1.7×10 ⁻⁵ 1.5×10 ⁻⁶ 1.3×10 ⁻⁵ 8.2×10 ⁻⁹ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻⁵ 3.3×10 ⁻⁵ 1.5×10 ⁻⁵ 3.4×10 ⁻⁵ 2.8×10 ⁻¹³ 2.8×10 ⁻¹³ 2.8×10 ⁻¹³ 2.8×10 ⁻¹³	8525 27698 0 0 34278 64539 97682 96971 0 -89181 -71932 74011 -60900 0 0 6388 85116 0 -12739 0 -3139 -10461 -10461 -10461 -10461 -10461	0.948 1.000 1.000 0.833 0.906 0.877 0.917 1.000 0.524 0.601 0.577 0.862 1.000 1.000 1.000 1.000 1.000 0.847 0.659 1.000 1.000 0.847 0.724 0.724 0.724 0.724	rs3771175 rs10208293 rs10208293 rs10208293 rs10208293 rs10208293 rs102185897 rs72823677 rs11465702 rs11465723 rs62174474 rs2564388 rs6714697 rs11687698 rs11681663 rs2164068 rs2164068 rs2164068 rs2164068 rs1064213 rs1456522 rs12618605 rs6738964 rs1721359 rs61325615 rs78147778 rs78147778 rs78147778 rs31106639 rs34290285	milk_allergy allergic_asthma juvenile_asthma other_animal_allergy other_plant_allergy iqb.took_meds_asthma_or_lung tree_nuts_allergy any_drug_allergy any_drug_allergy any_drug_allergy anxiety depression_anxiety_meds any_skin_cancer morning_person any_animal_allergy seasonal_allergy seasonal_allergys seasonal_allergy age_first_menses any_immune any_asthma any_animal_allergy bmi any_immune other_animal_allergy other_plant_allergy allergic_asthma	5.1×10 ⁻⁸ 7.7×10 ⁻¹⁷ 2.6×10 ⁻¹³ 1.1×10 ⁻¹⁰ 3.8×10 ⁻⁷ 6.6×10 ⁻²² 1.7×10 ⁻⁷ 3.5×10 ⁻⁷ 1.1×10 ⁻⁷ 7.3×10 ⁻⁷ 5.2×10 ⁻⁹ 3.3×10 ⁻⁷ 7.3×10 ⁻¹⁸ 3.7×10 ⁻¹⁸ 3.7×10 ⁻¹¹ 4.7×10 ⁻¹¹ 1.7×10 ⁻¹¹ 8.9×10 ⁻¹⁰ 2.4×10 ⁻⁷ 4.7×10 ⁻⁷ 1.2×10 ⁻⁷ 1.2×10 ⁻⁷ 1.2×10 ⁻⁸ 7.6×10 ⁻⁸ 1.8×10 ⁻⁸ 2.6×10 ⁻¹³	[IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL18RAP] [IL18RAP] [IL18RAP] [IL18RAP] [ICOQ10B] [RFTN2] [RFTN2-[]-MARS2 [PLCL1]	TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE
2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.3 2q36.3 2q36.3 2q36.3 2q37.3 2q37.3	102932512 102932512 102966310 102966310 102966310 102932512 102932512 102960210 102966549 188180409 198417987 198556418 198494065 198943852 198943852 198943852 198943852 198943852 198943852 198943852 198943852 198943852 198943852 198943852 198943852 198943852 198943852 198943852 198943852	rs950881 rs950881 rs10208293 rs10208293 rs10208293 rs950881 rs950881 rs3771175 rs10197862 rs62174474 rs58837777 rs75909879 rs61054961 rs2164068 rs2164068 rs2164068 rs2164068 rs2164068 rs2164068 rs2164068 rs10931833 rs12618605 rs1721359	6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 5.2×10 ⁻²⁶ 7.4×10 ⁻²⁶ 1.7×10 ⁻⁵ 1.5×10 ⁻⁶ 1.3×10 ⁻⁵ 8.2×10 ⁻⁹ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 5.6×10 ⁻⁵ 3.3×10 ⁻⁵ 1.5×10 ⁻⁵ 3.3×10 ⁻⁵ 1.5×10 ⁻⁵ 2.8×10 ⁻¹³ 2.8×10 ⁻¹³ 2.8×10 ⁻¹³ 2.8×10 ⁻¹³ 2.8×10 ⁻¹³	8525 27698 0 0 34278 64539 97682 96971 0 -89181 -71932 74011 -60900 0 0 6388 85116 0 -12739 0 -3139 -10461 -10461 -10461 -1815 6150 6150	0.948 1.000 1.000 1.000 0.833 0.906 0.877 0.917 1.000 0.524 0.601 0.577 0.862 1.000 1.000 0.984 0.659 1.000 1.000 0.847 0.724 0.724 0.724 0.636 0.636	rs3771175 rs10208293 rs10208293 rs10208293 rs10208293 rs10185897 rs72823677 rs11465702 rs11465723 rs62174474 rs2564388 rs6714697 rs11687698 rs11681663 rs2164068 rs2164068 rs2164068 rs2164068 rs1064213 rs1456522 rs12618605 rs6738964 rs1721359 rs61325615 rs781477778 rs781477778 rs781477778 rs781477778 rs1106639 rs34290285	milk_allergy allergic_asthma juvenile_asthma other_animal_allergy other_plant_allergy iqb.took_meds_asthma_or_lung tree_nuts_allergy any_drug_allergy any_drug_allergy any_idrug_allergy anxiety depression_anxiety_meds any_skin_cancer morning_person any_animal_allergy any_plant_allergy seasonal_allergies_broad dust_mites_allergy age_first_menses any_immune any_asthma any_animal_allergy bmi any_immune other_animal_allergy other_plant_allergy allergic_asthma any_animal_allergy	5.1×10 ⁻⁸ 7.7×10 ⁻¹⁷ 2.6×10 ⁻¹³ 1.1×10 ⁻¹⁰ 3.8×10 ⁻⁷ 6.6×10 ⁻²² 1.7×10 ⁻⁷ 3.5×10 ⁻⁷ 1.1×10 ⁻⁷ 7.3×10 ⁻⁷ 5.2×10 ⁻⁹ 3.3×10 ⁻⁷ 7.3×10 ⁻¹⁸ 3.7×10 ⁻¹³ 2.0×10 ⁻¹¹ 4.7×10 ⁻¹¹ 1.7×10 ⁻¹¹ 8.9×10 ⁻¹⁰ 2.4×10 ⁻⁷ 4.7×10 ⁻⁷ 1.2×10 ⁻⁸ 7.6×10 ⁻⁸ 7.6×10 ⁻⁸ 1.8×10 ⁻⁸ 2.6×10 ⁻¹³ 9.9×10 ⁻²⁰	[IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL1RR1] [IL18RAP] [IL18RAP] [IL18RAP] [IL18RAP] [IL18RAP] [ICOUTOB] [RFTN2] [RFTN2[]-MARS2 [PLCL1] [PLC	TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE
2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.3 2q36.3 2q36.3 2q36.3 2q37.3 2q37.3 2q37.3	102932512 102932512 102966310 102966310 102966310 102932512 102932512 102932512 102960210 102966549 188180409 198417987 198556418 198494065 198943852 198943852 198943852 198943852 19964067 208339634 228751874 228751874 229021373 242692490 242692490 242692490 242692490	rs950881 rs950881 rs10208293 rs10208293 rs950881 rs950881 rs950881 rs3771175 rs10197862 rs62174474 rs58837777 rs75909879 rs61054961 rs2164068	6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 5.2×10 ⁻²⁶ 7.4×10 ⁻²⁶ 1.7×10 ⁻⁵ 1.5×10 ⁻⁶ 1.3×10 ⁻⁶ 1.3×10 ⁻⁹ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 5.6×10 ⁻⁵ 3.3×10 ⁻⁵ 1.5×10 ⁻⁵ 1.5×10 ⁻⁵ 1.5×10 ⁻⁵ 2.8×10 ⁻¹³	8525 27698 0 0 34278 64539 97682 96971 0 -89181 -71932 74011 -60900 0 0 6388 85116 0 -12739 0 -3139 -10461 -10461 -10461 -1815 6150 6150 6150	0.948 1.000 1.000 0.833 0.906 0.877 0.917 1.000 0.524 0.601 0.572 1.000 0.847 0.724 0.724 0.724 0.724 0.636 0.636 0.636	rs3771175 rs10208293 rs10208293 rs10208293 rs10208293 rs10208293 rs10185897 rs72823677 rs11465702 rs11465723 rs62174474 rs2564388 rs6714697 rs11687698 rs11681663 rs2164068 rs2164008 rs2164008 rs2164008 rs2164008 rs34290285 rs34290285	milk_allergy allergic_asthma juvenile_asthma other_animal_allergy iqb.took_meds_asthma_or_lung tree_nuts_allergy any_drug_allergy any_drug_allergy any_drug_allergy anxiety depression_anxiety_meds any_skin_cancer morning_person any_animal_allergy any_plant_allergy seasonal_allergies_broad dust_mites_allergy age_first_menses any_animal_allergy bmi any_animal_allergy bmi any_immune other_animal_allergy allergic_asthma any_animal_allergy allergic_asthma any_animal_allergy	5.1×10 ⁻⁸ 7.7×10 ⁻¹⁷ 2.6×10 ⁻¹³ 1.1×10 ⁻¹⁰ 3.8×10 ⁻⁷ 6.6×10 ⁻²² 1.7×10 ⁻⁷ 3.5×10 ⁻⁷ 1.1×10 ⁻⁷ 7.3×10 ⁻⁷ 5.2×10 ⁻⁹ 3.3×10 ⁻⁷ 7.3×10 ⁻¹³ 2.0×10 ⁻¹¹ 4.7×10 ⁻¹¹ 1.7×10 ⁻¹¹ 8.9×10 ⁻¹⁰ 2.4×10 ⁻⁷ 4.7×10 ⁻⁷ 1.7×10 ⁻⁷ 1.2×10 ⁻⁸ 7.6×10 ⁻⁸ 7.6×10 ⁻⁸ 1.8×10 ⁻⁸ 2.6×10 ⁻¹³ 9.9×10 ⁻²⁰ 1.8×10 ⁻¹⁵	[IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL1RR1] [IL18RAP] [IL18RAP] [IL18RAP] [IL18RAP] [COQ10B] [RFTN2] [RFTN2[]MARS2 [PLCL1] [PLCL1	TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE
2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.3 2q36.3 2q36.3 2q36.3 2q37.3 2q37.3 2q37.3 2q37.3	102932512 102932512 102966310 102966310 102966310 102932512 102932512 102960210 102966549 188180409 198417987 198556418 198494065 198943852 198943852 198943852 198943852 198943852 198943852 198943852 199684067 208339634 228751874 229721373 242692490 242692490 242692490 242692490 242692490	rs950881 rs950881 rs10208293 rs10208293 rs950881 rs950881 rs950881 rs3771175 rs10197862 rs62174474 rs58837777 rs75909879 rs75909879 rs2164068 rs235061832 rs235061832 rs235061832 rs235061832 rs235061832 rs235061832 rs235061832 rs235061832 rs235061832 rs235061832 rs235061832 rs235061832	6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 5.2×10 ⁻²⁶ 7.4×10 ⁻²⁶ 1.7×10 ⁻⁵ 1.5×10 ⁻⁶ 1.3×10 ⁻⁵ 8.2×10 ⁻⁹ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 5.6×10 ⁻⁵ 3.3×10 ⁻⁵ 1.5×10 ⁻⁵ 3.4×10 ⁻⁵ 3.4×10 ⁻⁵ 2.8×10 ⁻¹³	8525 27698 0 0 34278 64539 97682 96971 0 -89181 -71932 74011 -60900 0 0 6388 85116 0 -12739 0 -3139 -10461 -10461 -1815 6150 6150 6150 6150	0.948 1.000 1.000 1.000 0.833 0.906 0.877 0.917 1.000 0.524 0.601 0.577 0.862 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 0.844 0.659 1.000 1.000 1.000 0.847 0.724 0.724 0.724 0.724 0.636 0.636 0.636	rs3771175 rs10208293 rs10208293 rs10208293 rs10208293 rs10208293 rs10185897 rs72823677 rs11465702 rs11465723 rs62174474 rs2564388 rs6714697 rs11687698 rs11681663 rs2164068 rs3164008 rs34290285 rs34290285 rs34290285 rs34290285	milk_allergy allergic_asthma juvenile_asthma other_animal_allergy other_plant_allergy iqb.took_meds_asthma_or_lung tree_nuts_allergy any_drug_allergy any_drug_allergy any_drug_allergy anxiety depression_anxiety_meds any_skin_cancer morning_person any_animal_allergy any_plant_allergy seasonal_allergies_broad dust_mites_allergy age_first_menses any_immune any_asthma any_animal_allergy bmi any_immune other_animal_allergy allergic_asthma any_animal_allergy allergic_asthma any_animal_allergy any_asthma any_animal_allergy allergic_asthma any_animal_allergy any_asthma hayfever_all	5.1×10 ⁻⁸ 7.7×10 ⁻¹⁷ 2.6×10 ⁻¹³ 1.1×10 ⁻¹⁰ 3.8×10 ⁻⁷ 6.6×10 ⁻²² 1.7×10 ⁻⁷ 3.5×10 ⁻⁷ 1.1×10 ⁻⁷ 7.3×10 ⁻⁷ 5.2×10 ⁻⁹ 3.3×10 ⁻⁷ 7.3×10 ⁻¹³ 2.0×10 ⁻¹¹ 4.7×10 ⁻¹¹ 1.7×10 ⁻¹¹ 8.9×10 ⁻¹⁰ 2.4×10 ⁻⁷ 4.7×10 ⁻⁷ 1.7×10 ⁻⁷ 6.2×10 ⁻⁸ 7.6×10 ⁻⁸ 1.8×10 ⁻⁸ 2.6×10 ⁻¹³ 9.9×10 ⁻²⁰ 1.8×10 ⁻¹⁵ 1.1×10 ⁻¹⁰	[IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL1RR1] [IL18RAP] [IL18RAP] [IL18RAP] [ICOQ10B] [RFTN2] [RFTN2-[]-MARS2 [PLCL1] [PLCL1] [PLCL1] [PLCL1] [PLCL1] [PLCL1] [PLCL1] [PLCL1] [PLCL1] [DAW1] [DAW1] [DAW1] [SPHKAP] [D2HGDH]	TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE
2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.3 2q36.3 2q36.3 2q36.3 2q37.3 2q37.3 2q37.3	102932512 102932512 102966310 102966310 102966310 102932512 102932512 102960210 102966549 188180409 198417987 198556418 198494065 198943852 198943852 198943852 198943852 198943852 198943852 198943852 199684067 208339634 228751874 229721373 242692490 242692490 242692490 242692490 242692490	rs950881 rs950881 rs10208293 rs10208293 rs950881 rs950881 rs950881 rs3771175 rs10197862 rs62174474 rs58837777 rs75909879 rs61054961 rs2164068	6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 5.2×10 ⁻²⁶ 7.4×10 ⁻²⁶ 1.7×10 ⁻⁵ 1.5×10 ⁻⁶ 1.3×10 ⁻⁶ 1.3×10 ⁻⁹ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 5.6×10 ⁻⁵ 3.3×10 ⁻⁵ 1.5×10 ⁻⁵ 1.5×10 ⁻⁵ 1.5×10 ⁻⁵ 2.8×10 ⁻¹³	8525 27698 0 0 34278 64539 97682 96971 0 -89181 -71932 74011 -60900 0 0 6388 85116 0 -12739 0 -3139 -10461 -10461 -1815 6150 6150 6150 6150	0.948 1.000 1.000 1.000 0.833 0.906 0.877 0.917 1.000 0.524 0.601 0.577 0.862 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 0.844 0.659 1.000 1.000 1.000 0.847 0.724 0.724 0.724 0.724 0.636 0.636 0.636	rs3771175 rs10208293 rs10208293 rs10208293 rs10208293 rs10208293 rs10185897 rs72823677 rs11465702 rs11465723 rs62174474 rs2564388 rs6714697 rs11687698 rs11681663 rs2164068 rs2164008 rs2164008 rs2164008 rs2164008 rs34290285 rs34290285	milk_allergy allergic_asthma juvenile_asthma other_animal_allergy iqb.took_meds_asthma_or_lung tree_nuts_allergy any_drug_allergy any_drug_allergy any_drug_allergy anxiety depression_anxiety_meds any_skin_cancer morning_person any_animal_allergy any_plant_allergy seasonal_allergies_broad dust_mites_allergy age_first_menses any_animal_allergy bmi any_animal_allergy bmi any_immune other_animal_allergy allergic_asthma any_animal_allergy allergic_asthma any_animal_allergy	5.1×10 ⁻⁸ 7.7×10 ⁻¹⁷ 2.6×10 ⁻¹³ 1.1×10 ⁻¹⁰ 3.8×10 ⁻⁷ 6.6×10 ⁻²² 1.7×10 ⁻⁷ 3.5×10 ⁻⁷ 1.1×10 ⁻⁷ 7.3×10 ⁻⁷ 5.2×10 ⁻⁹ 3.3×10 ⁻⁷ 7.3×10 ⁻¹³ 2.0×10 ⁻¹¹ 4.7×10 ⁻¹¹ 1.7×10 ⁻¹¹ 8.9×10 ⁻¹⁰ 2.4×10 ⁻⁷ 4.7×10 ⁻⁷ 1.7×10 ⁻⁷ 1.2×10 ⁻⁸ 7.6×10 ⁻⁸ 7.6×10 ⁻⁸ 1.8×10 ⁻⁸ 2.6×10 ⁻¹³ 9.9×10 ⁻²⁰ 1.8×10 ⁻¹⁵	[IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL18RAP] [IL18RAP] [IL18RAP] [IL18RAP] [ICOQ10B] [RFTN2-[] CALCRL [COQ10B] [RFTN2-[]-MARS2 [PLCL1] [PL	TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE
2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.3 2q36.3 2q36.3 2q36.3 2q37.3 2q37.3 2q37.3 2q37.3 2q37.3	102932512 102932512 102966310 102966310 102966310 102932512 102932512 102960210 102966549 188180409 198417987 198556418 198494065 198943852 198943852 198943852 198943852 198943852 199684067 208339634 228751874 228751874 229021373 242692490 242692490 242692490 242692490 242692490 242692490 242692490 242692490	rs950881 rs950881 rs10208293 rs10208293 rs950881 rs950881 rs950881 rs3771175 rs10197862 rs62174474 rs58837777 rs75909879 rs61054961 rs2164068 rs235061832	6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 5.2×10 ⁻²⁶ 7.4×10 ⁻²⁶ 1.7×10 ⁻⁵ 1.5×10 ⁻⁶ 1.3×10 ⁻⁹ 8.2×10 ⁻⁹ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 5.6×10 ⁻⁵ 3.3×10 ⁻⁵ 1.5×10 ⁻⁵ 1.5×10 ⁻⁵ 1.5×10 ⁻⁵ 2.8×10 ⁻¹³	8525 27698 0 0 34278 64539 97682 96971 0 -89181 -71932 74011 -60900 0 6388 85116 0 -12739 0 -3139 -10461 -10461 -10461 -1815 6150 6150 6150 6150	0.948 1.000 1.000 1.000 0.833 0.906 0.877 0.917 1.000 0.524 0.601 0.577 0.862 1.000 1.000 0.984 0.659 1.000 1.000 0.847 0.724 0.724 0.724 0.636 0.636 0.636 0.636	rs3771175 rs10208293 rs10208293 rs10208293 rs10208293 rs10185897 rs72823677 rs11465702 rs11465723 rs62174474 rs2564388 rs6714697 rs11687698 rs11681663 rs2164068 rs2164068 rs2164068 rs1064213 rs1456522 rs12618605 rs6738964 rs1721359 rs61325615 rs781477778 rs781477778 rs781477778 rs781477778 rs781477778 rs781477778 rs781490285 rs34290285 rs34290285 rs34290285 rs34290285	milk_allergy allergic_asthma juvenile_asthma other_animal_allergy other_plant_allergy iqb.took_meds_asthma_or_lung tree_nuts_allergy any_drug_allergy any_drug_allergy any_idrug_allergy anxiety depression_anxiety_meds any_skin_cancer morning_person any_animal_allergy any_plant_allergy seasonal_allergies_broad dust_mites_allergy age_first_menses any_immune any_asthma any_animal_allergy bmi any_immune other_animal_allergy other_plant_allergy allergic_asthma any_animal_allergy any_asthma any_animal_allergy any_asthma hayfever_all juvenile_allergic_asthma	5.1×10 ⁻⁸ 7.7×10 ⁻¹⁷ 2.6×10 ⁻¹³ 1.1×10 ⁻¹⁰ 3.8×10 ⁻⁷ 6.6×10 ⁻²² 1.7×10 ⁻⁷ 3.5×10 ⁻⁷ 1.1×10 ⁻⁷ 7.3×10 ⁻⁷ 5.2×10 ⁻⁹ 3.3×10 ⁻⁷ 7.3×10 ⁻¹³ 2.0×10 ⁻¹¹ 4.7×10 ⁻¹¹ 4.7×10 ⁻¹¹ 8.9×10 ⁻¹⁰ 2.4×10 ⁻⁷ 4.7×10 ⁻⁷ 1.7×10 ⁻⁷ 1.2×10 ⁻⁸ 7.6×10 ⁻⁸ 1.8×10 ⁻⁸ 2.6×10 ⁻¹³ 9.9×10 ⁻²⁰ 1.8×10 ⁻¹⁵ 1.1×10 ⁻¹⁰ 4.3×10 ⁻⁹	[IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL1RR1] [IL18RAP] [IL18RAP] [IL18RAP] [IL18RAP] [ICOQ10B] [RFTN2] [RFTN2[]-MARS2 [PLCL1] [PLCL1	TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE
2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.3 2q36.3 2q36.3 2q36.3 2q37.3 2q37.3 2q37.3 2q37.3	102932512 102932512 102966310 102966310 102966310 102932512 102932512 102932512 102960210 102966549 188180409 198417987 198556418 198494065 198943852 198943852 198943852 198943852 198943852 198943852 19964067 208339634 228751874 228751874 229021373 242692490 242692490 242692490 242692490 242692490 242692490 242692490 242692490 242692490	rs950881 rs950881 rs10208293 rs10208293 rs950881 rs950881 rs950881 rs3771175 rs10197862 rs62174474 rs58837777 rs75909879 rs61054961 rs2164068 rs235061832 rs235061832 rs235061832 rs235061832 rs235061832 rs235061832 rs235061832 rs235061832 rs235061832 rs235061832 rs235061832 rs235061832 rs235061832 rs235061832 rs235061832 rs235061832 rs235061832 rs235061832	6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 5.2×10 ⁻²⁶ 7.4×10 ⁻²⁶ 1.7×10 ⁻⁵ 1.5×10 ⁻⁶ 1.3×10 ⁻⁵ 8.2×10 ⁻⁹ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.5×10 ⁻⁵ 3.3×10 ⁻⁵ 1.5×10 ⁻⁵ 3.4×10 ⁻⁵ 2.8×10 ⁻¹³	8525 27698 0 0 34278 64539 97682 96971 0 -89181 -71932 74011 -60900 0 6388 85116 0 -12739 0 -3139 -10461 -10461 -1815 6150 6150 6150 6150 6150 18792	0.948 1.000 1.000 1.000 0.833 0.906 0.877 0.917 1.000 0.524 0.601 0.577 0.862 1.000 1.000 1.000 1.000 1.000 1.000 0.847 0.724 0.724 0.724 0.724 0.724 0.636 0.636 0.636 0.636	rs3771175 rs10208293 rs10208293 rs10208293 rs10208293 rs10208293 rs10185897 rs72823677 rs11465702 rs11465723 rs62174474 rs2564388 rs6714697 rs11687698 rs11681663 rs2164068 rs34290285 rs34290285 rs34290285 rs34290285 rs34290285 rs34290285	milk_allergy allergic_asthma juvenile_asthma other_animal_allergy iqb.took_meds_asthma_or_lung tree_nuts_allergy any_drug_allergy any_drug_allergy any_drug_allergy any_skin_cancer morning_person any_animal_allergy any_plant_allergy seasonal_allergies_broad dust_mites_allergy age_first_menses any_animal_allergy bmi any_animal_allergy bmi any_immune other_animal_allergy allergic_asthma any_asthma any_animal_allergy allergic_asthma hayfever_all juvenile_allergic_asthma iqb.took_meds_asthma_or_lung	5.1×10 ⁻⁸ 7.7×10 ⁻¹⁷ 2.6×10 ⁻¹³ 1.1×10 ⁻¹⁰ 3.8×10 ⁻⁷ 6.6×10 ⁻²² 1.7×10 ⁻⁷ 3.5×10 ⁻⁷ 1.1×10 ⁻⁷ 7.3×10 ⁻⁷ 5.2×10 ⁻⁹ 3.3×10 ⁻⁷ 7.3×10 ⁻¹³ 2.0×10 ⁻¹¹ 4.7×10 ⁻¹¹ 1.7×10 ⁻¹¹ 8.9×10 ⁻¹⁰ 2.4×10 ⁻⁷ 4.7×10 ⁻⁷ 1.2×10 ⁻⁸ 7.6×10 ⁻⁸ 1.8×10 ⁻⁸ 2.6×10 ⁻¹³ 9.9×10 ⁻²⁰ 1.8×10 ⁻¹⁵ 1.1×10 ⁻¹⁰ 4.3×10 ⁻⁹ 5.6×10 ⁻²²	[IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL1RR1] [IL18RAP] [IL18RAP] [IL18RAP] [IL18RAP] [ICOQ10B] [RFTN2] [RFTN2[]-MARS2 [PLCL1] [PLCL1	TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE
2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q12.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.1 2q33.3 2q36.3 2q36.3 2q36.3 2q37.3 2q37.3 2q37.3 2q37.3 2q37.3	102932512 102932512 102966310 102966310 102966310 102932512 102932512 102932512 102960210 102966549 188180409 198417987 198556418 198494065 198943852 198943852 198943852 198943852 198943852 198943852 19964067 208339634 228751874 228751874 229021373 242692490 242692490 242692490 242692490 242692490 242692490 242692490 242692490 242692490	rs950881 rs950881 rs10208293 rs10208293 rs950881 rs950881 rs950881 rs3771175 rs10197862 rs62174474 rs58837777 rs75909879 rs61054961 rs2164068 rs235061832	6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 1.5×10 ⁻¹⁶ 6.0×10 ⁻²⁷ 6.0×10 ⁻²⁷ 5.2×10 ⁻²⁶ 7.4×10 ⁻²⁶ 1.7×10 ⁻⁵ 1.5×10 ⁻⁶ 1.3×10 ⁻⁹ 8.2×10 ⁻⁹ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 1.6×10 ⁻¹⁰ 5.6×10 ⁻⁵ 3.3×10 ⁻⁵ 1.5×10 ⁻⁵ 1.5×10 ⁻⁵ 1.5×10 ⁻⁵ 2.8×10 ⁻¹³	8525 27698 0 0 34278 64539 97682 96971 0 -89181 -71932 74011 -60900 0 6388 85116 0 -12739 0 -3139 -10461 -10461 -1815 6150 6150 6150 6150 6150 18792	0.948 1.000 1.000 1.000 0.833 0.906 0.877 0.917 1.000 0.524 0.601 0.577 0.862 1.000 1.000 1.000 1.000 1.000 1.000 0.847 0.724 0.724 0.724 0.724 0.724 0.636 0.636 0.636 0.636	rs3771175 rs10208293 rs10208293 rs10208293 rs10208293 rs10185897 rs72823677 rs11465702 rs11465723 rs62174474 rs2564388 rs6714697 rs11687698 rs11681663 rs2164068 rs2164068 rs2164068 rs1064213 rs1456522 rs12618605 rs6738964 rs1721359 rs61325615 rs781477778 rs781477778 rs781477778 rs781477778 rs781477778 rs781477778 rs781490285 rs34290285 rs34290285 rs34290285 rs34290285	milk_allergy allergic_asthma juvenile_asthma other_animal_allergy other_plant_allergy iqb.took_meds_asthma_or_lung tree_nuts_allergy any_drug_allergy any_drug_allergy any_idrug_allergy anxiety depression_anxiety_meds any_skin_cancer morning_person any_animal_allergy any_plant_allergy seasonal_allergies_broad dust_mites_allergy age_first_menses any_immune any_asthma any_animal_allergy bmi any_immune other_animal_allergy other_plant_allergy allergic_asthma any_animal_allergy any_asthma any_animal_allergy any_asthma hayfever_all juvenile_allergic_asthma	5.1×10 ⁻⁸ 7.7×10 ⁻¹⁷ 2.6×10 ⁻¹³ 1.1×10 ⁻¹⁰ 3.8×10 ⁻⁷ 6.6×10 ⁻²² 1.7×10 ⁻⁷ 3.5×10 ⁻⁷ 1.1×10 ⁻⁷ 7.3×10 ⁻⁷ 5.2×10 ⁻⁹ 3.3×10 ⁻⁷ 7.3×10 ⁻¹³ 2.0×10 ⁻¹¹ 4.7×10 ⁻¹¹ 4.7×10 ⁻¹¹ 8.9×10 ⁻¹⁰ 2.4×10 ⁻⁷ 4.7×10 ⁻⁷ 1.7×10 ⁻⁷ 1.2×10 ⁻⁸ 7.6×10 ⁻⁸ 1.8×10 ⁻⁸ 2.6×10 ⁻¹³ 9.9×10 ⁻²⁰ 1.8×10 ⁻¹⁵ 1.1×10 ⁻¹⁰ 4.3×10 ⁻⁹	[IL1RL1] [IL1RL1] [IL1RL1] [IL1RL1] [IL1RR1] [IL18RAP] [IL18RAP] [IL18RAP] [IL18RAP] [ICOQ10B] [RFTN2] [RFTN2[]-MARS2 [PLCL1] [PLCL1	TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE

2q37.3	242703317	rs146871826	1.5×10 ⁻⁹	24692	0.526	rs62193062	dust_mites_allergy	5.7×10 ⁻¹¹	[GAL3ST2]	TRUE
2q37.3		rs146871826	1.5×10 ⁻⁹			rs62193062	mold allergy	8.1×10 ⁻¹¹	[GAL3ST2]	TRUE
2q37.3		rs146871826	1.5×10 ⁻⁹			rs62193062	seasonal_allergies_broad	1.7×10 ⁻¹⁸	[GAL3ST2]	TRUE
2q37.3	242703363	rs6754066	5.3×10 ⁻⁹	36399	0.532	rs73106178	any_food_allergy	9.4×10^{-8}	[GAL3ST2]	TRUE
3p12.1	85007576	3:85007576:C_CCA	1.3×10^{-5}	0	1.000	3:85007576:C_CCA	any_drug_allergy	4.7×10^{-8}	[]CADM2	TRUE
3p12.1	85007576	3:85007576:C_CCA	1.3×10^{-5}	0	1.000	3:85007576:C_CCA	penicillin_allergy	3.3×10^{-7}	[]CADM2	TRUE
3p12.1	85397224	rs67824428	2.7×10 ⁻⁶			rs146511066	personality_conscientiousness	2.3×10 ⁻⁷	[CADM2]	
3p12.1	85518580	rs2875907	1.0×10^{-5}	-99009	0.503	rs140717279	personality_neuroticism	6.2×10 ⁻⁷	[CADM2]	
3p12.1		rs143013783	7.5×10 ⁻⁸			rs10433500	iqb.adventurous	1.8×10 ⁻⁹	[CADM2]	
3p12.1		rs62252499	8.7×10 ⁻⁸			rs62252499	any_plant_allergy	8.4×10 ⁻⁹	[CADM2]	TRUE
3p12.1		rs4856586	2.3×10 ⁻⁷	-2504		rs199744186	adhd_add_meds	2.2×10 ⁻⁹	[CADM2]	
3q13.33	121715319		2.8×10 ⁻⁵			rs2001212	any_immune	5.4×10 ⁻⁷	[ILDR1]	TRUE
3q23	141093285		8.3×10 ⁻⁵ 8.3×10 ⁻⁵			rs9866391	nearsightedness	7.7×10 ⁻¹⁹	[ZBTB38]	FALSE
3q23	141093285 141093285		8.3×10 ⁻⁵		1.000	rs7624084 rs6440003	myopia_v_hyperopia	3.7×10 ⁻¹³ 1.1×10 ⁻¹⁵	[ZBTB38]	TRUE FALSE
3q23 3q23	141093285		8.3×10 ⁻⁵			rs199550106	haircolor any_animal_allergy	4.2×10 ⁻⁷	[ZBTB38] [ZBTB38]	FALSE
3q23	141093285		8.3×10 ⁻⁵			rs13077048	farsightedness	5.9×10 ⁻⁹	[ZBTB38]	TRUE
3q23	141093285		8.3×10 ⁻⁵			rs13077048	iqb.farsighted	7.3×10 ⁻⁹	[ZBTB38]	TRUE
3q23	141093285		8.3×10 ⁻⁵			rs13068733	height	9.1×10 ⁻¹¹⁹	[ZBTB38]	TRUE
3q23	141093285		8.3×10 ⁻⁵			rs6763927	weight	1.2×10 ⁻²⁴	[ZBTB38]	TRUE
3q23	141093285	rs7624084	8.3×10^{-5}	54129	0.801	rs7650602	shoe_size_normalized	4.8×10^{-13}	[ZBTB38]	TRUE
3q23	141093285	rs7624084	8.3×10^{-5}	56741	0.796	rs7625643	male_pattern_meta	4.0×10^{-7}	[ZBTB38]	FALSE
3q23	141093285	rs7624084	8.3×10^{-5}	56741	0.796	rs7625643	iqb.stretch_marks	2.5×10^{-7}	[ZBTB38]	TRUE
3q23	141093285		8.3×10 ⁻⁵			rs7625643	stretch_marks_any	8.2×10 ⁻⁷	[ZBTB38]	TRUE
3q27.3	187643346		2.5×10 ⁻⁷			rs763342	other_animal_allergy	3.0×10 ⁻⁷	BCL6[]LPP	TRUE
3q28	188119901		3.1×10^{-8}			rs11715549	squamous_cell_carcinoma	8.7×10 ⁻⁸	[LPP]	TRUE
3q28	188119901		3.1×10 ⁻⁸			rs191177147	any_skin_cancer	8.1×10 ⁻¹⁰	[LPP]	TRUE
3q28	188119901 188119901		3.1×10^{-8} 3.1×10^{-8}	-27355		rs191177147 rs9834159	basal_cell_carcinoma	2.2×10^{-11} 1.5×10^{-10}	[LPP] [LPP]	TRUE TRUE
3q28 3q28	188119901		3.1×10^{-8}			rs6790260	any_non_melanoma_skin_cancer dust_mites_allergy	1.8×10 ⁻¹¹	[LPP]	TRUE
3q28	188119901		3.1×10^{-8}			rs2030519	any_plant_allergy	7.1×10 ⁻¹⁰	[LPP]	TRUE
3q28	188119901		3.1×10 ⁻⁸			rs2030519	seasonal_allergies_broad	2.4×10 ⁻⁹	[LPP]	TRUE
3q28	188119901		3.1×10 ⁻⁸	5661	0.693	rs200794374	mosquito_combined	4.2×10 ⁻⁹	[LPP]	
3q28	188119901	rs2030519	3.1×10^{-8}	13538		rs6808893	any_animal_allergy	1.5×10^{-16}	[LPP]	TRUE
3q28	188119901	rs2030519	3.1×10^{-8}	15882	0.665	rs12485444	hypothyroidism	5.5×10^{-7}	[LPP]	FALSE
3q28	188398976	rs113387455	4.6×10^{-6}	1581	0.764	rs56328339	any_immune	1.8×10^{-8}	[LPP]	TRUE
3q28	188398976	rs113387455	4.6×10^{-6}	3495	0.792	rs73196739	any_asthma	6.5×10^{-9}	[LPP]	TRUE
3q29	196459301		6.6×10 ⁻⁵			rs9858181	psoriasis	1.2×10 ⁻⁷	[CEP19]	TRUE
4p15.1		rs35543451	5.4×10 ⁻⁵			rs10654614	mold_allergy	6.4×10 ⁻⁷	[]	
4p14		rs11727978	1.1×10 ⁻¹⁵			rs67719080	other_animal_allergy	1.2×10 ⁻⁸	TLR10-[]TLR1	TRUE
4p14		rs5743551	3.8×10 ⁻¹⁵			rs5743618	allergic_asthma	8.1×10 ⁻¹¹	[TLR1]	TRUE
4p14		rs5743551	3.8×10^{-15}			rs5743618	any_animal_allergy	2.3×10^{-31} 3.9×10^{-11}	[TLR1]	TRUE
4p14		rs5743551	3.8×10^{-15} 3.8×10^{-15}			rs5743618 rs5743618	any_asthma	4.3×10 ⁻²³	[TLR1] [TLR1]	TRUE
4p14 4p14		rs5743551 rs5743551	3.8×10 ⁻¹⁵			rs5743618 rs5743618	any_plant_allergy dust_mites_allergy	2.3×10 ⁻¹⁵	[TLR1]	TRUE TRUE
4p14		rs5743551	3.8×10 ⁻¹⁵			rs5743618	hayfever_all	8.7×10 ⁻¹³	[TLR1]	TRUE
4p14		rs5743551	3.8×10 ⁻¹⁵			rs5743618	iqb.took_meds_asthma_or_lung	3.4×10^{-15}	[TLR1]	TRUE
4p14		rs5743551	3.8×10 ⁻¹⁵			rs5743618	juvenile allergic asthma	4.9×10 ⁻¹²	[TLR1]	TRUE
4p14		rs5743551	3.8×10^{-15}			rs5743618	mold_allergy	5.3×10^{-10}	[TLR1]	TRUE
4p14	38807654	rs5743551	3.8×10^{-15}	-9006	0.690	rs5743618	seasonal_allergies_broad	2.4×10^{-22}	[TLR1]	TRUE
4p14	38811051	rs11727978	1.1×10^{-15}	35928	0.694	rs7687447	rosacea_all	2.6×10^{-9}	[TLR6]	TRUE
4=14	20011051	ma11707070	1.1×10 ⁻¹⁵	E1070	0.705	rs3860069	any food allows:	6.3×10 ⁻⁷	TLR6-[]-	TRUE
4p14	30011031	rs11727978	1.1×10	510/0	0.705	183800009	any_food_allergy		FAM114A1 BANK1[]	IKUE
4q24	103188709	rs13107325	9.7×10^{-5}	-41821	0.820	rs35225200	iqb.rotator_cuff_tear	4.3×10^{-7}	SLC39A8	TRUE
4q24	103188709	rs13107325	9.7×10 ⁻⁵	0	1.000	rs13107325	iqb.excess_hair	3.8×10^{-8}	[SLC39A8]	TRUE
4q24		rs13107325	9.7×10 ⁻⁵			rs13107325	any_animal_allergy	2.3×10 ⁻⁷	[SLC39A8]	TRUE
4q24		rs13107325	9.7×10 ⁻⁵			rs13107325	bmi	7.7×10 ⁻³⁰	[SLC39A8]	TRUE
4q24		rs13107325	9.7×10 ⁻⁵			rs13107325	high_plasma_glucose	9.0×10 ⁻⁷	[SLC39A8]	TRUE
4q24		rs13107325	9.7×10 ⁻⁵ 9.7×10 ⁻⁵	0	1.000	rs13107325	iqb.low_hdl	3.6×10^{-14}	[SLC39A8]	TRUE
4q24		rs13107325	9.7×10 ⁻⁵			rs13107325 rs13107325	obesity	3.0×10 ⁻⁹ 2.3×10 ⁻¹⁷	[SLC39A8]	TRUE TRUE
4q24 4q24		rs13107325 rs13107325	9.7×10 ⁻⁵			rs13107325 rs13107325	weight height	6.0×10 ⁻¹¹	[SLC39A8] [SLC39A8]	FALSE
4q24 4q24		rs13107325	9.7×10 ⁻⁵			rs13107325	iqb.arthritis_any	2.2×10 ⁻⁷	[SLC39A8]	TRUE
4q24		rs13107325	9.7×10 ⁻⁵	0		rs13107325	osteoarthritis_broad	1.3×10 ⁻⁸	[SLC39A8]	TRUE
4q24	103188709	rs13107325	9.7×10^{-5}	9373		rs13135092	iqb.stretch_marks	3.0×10^{-10}	[SLC39A8]	TRUE
4q24	103188709	rs13107325	9.7×10^{-5}			rs13135092	stretch_marks_any	4.1×10^{-9}	[SLC39A8]	TRUE
4q27	123215381	rs28854492	4.2×10^{-11}	67781	0.878	rs201757131	allergic_asthma	8.4×10^{-7}	[KIAA1109]	
4q27	123215381	rs28854492	4.2×10^{-11}	67782	0.954	rs33976078	any_asthma	8.5×10^{-8}	[KIAA1109]	
4q27		rs148505069	3.8×10 ⁻¹¹			rs148505069	any_immune	4.3×10 ⁻¹¹	IL2[]IL21	TRUE
4q27		rs148505069	3.8×10 ⁻¹¹	0	1.000	rs148505069	any_plant_allergy	4.8×10 ⁻¹⁰	IL2[]IL21	TRUE
4q27		rs148505069	3.8×10 ⁻¹¹			rs148505069	seasonal_allergies_broad	1.4×10 ⁻¹⁰	IL2[]IL21	TRUE
4q27		rs148505069	3.8×10^{-11}			rs72669177	dust_mites_allergy	3.0×10 ⁻⁸	IL2[]IL21	TRUE
4q27		rs148505069	3.8×10^{-11} 3.8×10^{-11}			rs72669177	iqb.took_meds_asthma_or_lung	2.9×10 ⁻⁷ 1.8×10 ⁻¹⁵	IL2[]IL21	TRUE
4q27 4q27		rs148505069 rs148505069	3.8×10 ¹¹ 3.8×10 ⁻¹¹			rs146583707 rs146583707	any_animal_allergy mold_allergy	1.8×10 ⁻¹³ 8.2×10 ⁻⁷	IL2[]IL21 IL2[]IL21	TRUE TRUE
4q27 5p15.1		rs34875944	3.8×10 ⁻¹ 3.1×10 ⁻⁵			rs6896380	moid_allergy any_drug_allergy	9.2×10 ⁻⁷	[MYO10]	TRUE
5p15.1		rs34875944	3.1×10 ⁻⁵			rs6896380	any_plant_allergy	5.1×10 ⁻⁷	[MYO10]	TRUE
5p15.1		rs34875944	3.1×10 ⁻⁵			rs6896380	dust_mites_allergy	2.9×10 ⁻⁹	[MYO10]	TRUE
5p15.1		rs34875944	3.1×10 ⁻⁵			rs6896380	seasonal_allergies_broad	8.6×10 ⁻⁷	[MYO10]	TRUE
5p13.2		rs7717955	2.2×10 ⁻⁷			rs931555	any_autoimmune	7.7×10 ⁻⁷	[SPEF2]	TRUE
5p13.2		rs7717955	2.2×10^{-7}			rs34463936	eczema	1.4×10^{-11}	SPEF2[]-IL7R	TRUE
5p13.2	35862841	rs7717955	2.2×10^{-7}	-5137	0.993	rs11567694	mold_allergy	5.9×10 ⁻⁹	[IL7R]	TRUE
5p13.2		rs7717955	2.2×10 ⁻⁷			rs10213865	any_animal_allergy	5.6×10 ⁻⁸	[IL7R]	TRUE
5p13.2		rs7717955	2.2×10 ⁻⁷			rs7717955	any_immune	4.6×10 ⁻⁹	[IL7R]	TRUE
5p13.2		rs7717955	2.2×10 ⁻⁷			rs7717955	any_plant_allergy	1.9×10 ⁻⁹	[IL7R]	TRUE
5p13.2	35862841	rs7717955	2.2×10 ⁻⁷	0	1.000	rs7717955	seasonal_allergies_broad	1.1×10 ⁻¹⁰	[IL7R]	TRUE

5p13.1	40492655	rs7714574	7.7×10^{-6}	-1865	0.942	rs10440635	hayfever_all	1.5×10^{-7}	[]PTGER4	TRUE
5p13.1	40492655	rs7714574	7.7×10^{-6}	0	1.000	rs7714574	any_animal_allergy	1.2×10^{-10}	[]PTGER4	TRUE
5p13.1	40492655	rs7714574	7.7×10^{-6}	0	1.000	rs7714574	any_plant_allergy	4.0×10^{-12}	[]PTGER4	TRUE
5p13.1	40492655	rs7714574	7.7×10^{-6}	0	1.000	rs7714574	seasonal_allergies_broad	7.9×10^{-9}	[]PTGER4	TRUE
									TMEM161B[]	
5q14.3	88030670	rs13158247	4.5×10^{-5}	-37955	0.885	rs5869436	iqb.cry_easily	2.6×10^{-9}	MEF2C	
F-22.1	110102117	72776704	1 110=6	20002	0.530	200077516	and board	7.510=7	SLC25A46[]	
5q22.1	110183117	rs72776704	1.1×10 ⁻⁶	28003	0.539	rs200877516	gerd_broad	7.5×10 ⁻⁷	TSLP SLC25A46[]-	
5q22.1	110401872	rs1837253	1.1×10 ⁻⁹	0	1.000	rs1837253	any_asthma	3.3×10^{-31}	TSLP	TRUE
5422.2	110 1010/ 2	101007200		·	1.000	101007200	any_asama		SLC25A46[]-	
5q22.1	110401872	rs1837253	1.1×10^{-9}	0	1.000	rs1837253	hayfever_all	1.5×10^{-15}	TSLP	TRUE
									SLC25A46[]-	
5q22.1	110401872	rs183/253	1.1×10 ⁻⁹	0	1.000	rs1837253	iqb.took_meds_asthma_or_lung	1.8×10 ⁻²⁴	TSLP SLC25A46[]-	TRUE
5q22.1	110401872	rs1837253	1.1×10 ⁻⁹	0	1.000	rs1837253	juvenile allergic asthma	1.4×10^{-13}	TSLP	TRUE
5422.2	110 1010/ 2	.01007.200		•	1.000	101007200	javama_anargia_asamia		SLC25A46[]-	
5q22.1	110401872	rs1837253	1.1×10^{-9}	0	1.000	rs1837253	juvenile_asthma	2.8×10^{-11}	TSLP	TRUE
								=15	SLC25A46[]-	
5q22.1	110401872		1.1×10 ⁻⁹			rs1837253	mold_allergy	5.0×10 ⁻¹⁵	TSLP	TRUE
5q22.1	110467499	rs1438673	3.2×10 ⁻¹⁷	-37011	0.579	rs17623144	allergic_asthma	7.9×10^{-14}	[WDR36]	TRUE
5q22.1	110467499	rc1438673	3.2×10 ⁻¹⁷	0	1.000	rs1438673	any_animal_allergy	1.2×10 ⁻²⁹	WDR36-[] CAMK4	TRUE
3422.1	110107133	131 130073	5.2.10	Ū	1.000	131 130073	any_annial_anergy		WDR36-[]	THOL
5q22.1	110467499	rs1438673	3.2×10^{-17}	0	1.000	rs1438673	any_food_allergy	1.3×10^{-8}	CAMK4	TRUE
			17					10	WDR36-[]	
5q22.1	110467499	rs14386/3	3.2×10 ⁻¹⁷	0	1.000	rs1438673	any_plant_allergy	3.4×10^{-19}	CAMK4	TRUE
5q22.1	110467499	rs1438673	3.2×10 ⁻¹⁷	0	1.000	rs1438673	dust_mites_allergy	2.8×10 ⁻¹⁹	WDR36-[] CAMK4	TRUE
3422.1	110107133	131 130073	5.2.10	Ū	1.000	131 130073	dust_inices_unergy		WDR36-[]	THOL
5q22.1	110467499	rs1438673	3.2×10^{-17}	0	1.000	rs1438673	other_animal_allergy	1.7×10^{-10}	CAMK4	TRUE
			17						WDR36-[]	
5q22.1	110467499	rs1438673	3.2×10^{-17}	0	1.000	rs1438673	seasonal_allergies_broad	8.2×10^{-21}	CAMK4	TRUE
5q31.1	131580220	rc6971350	2.9×10 ⁻⁵	-1612	0.060	rs4705927	mosquito_severe	8.1×10 ⁻¹⁶	P4HA2[] PDLIM4	TRUE
•	131793772		7.8×10 ⁻⁷	10195		rs10060626	high cholesterol broad	8.7×10 ⁻⁷		TRUE
5q31.1							3 — —		C5orf56-[]IRF1	
5q31.1	131989136	rs309130/	3.8×10 ⁻⁶	-87911	0.983	rs2244012	any_asthma	2.1×10 ⁻¹⁶	[RAD50]	TRUE
5q31.1	131989136	rs3091307	3.8×10^{-6}	0	1.000	rs3091307	mold_allergy	2.3×10^{-7}	RAD50-[]-IL13	TRUE
5q31.1	131995843	rs1295686	5.5×10^{-10}	0	1.000	rs1295686	seasonal_allergies_broad	1.1×10^{-8}	[IL13]	TRUE
5q31.1	131995843	rs1295686	5.5×10^{-10}	121	0.992	rs20541	psoriasis	7.2×10^{-12}	[IL13]	FALSE
5q31.1	131995843		5.5×10 ⁻¹⁰	121		rs20541	•	8.6×10 ⁻⁷	[IL13]	TRUE
•							other_animal_allergy			
5q31.1	131995843		5.5×10 ⁻¹⁰			rs20541	iqb.shampoo_type	3.8×10 ⁻⁷	[IL13]	FALSE
5q31.1	131995843	rs1295686	5.5×10^{-10}	121	0.992	rs20541	rosacea_all	1.4×10^{-17}	[IL13]	FALSE
5q31.1	131995843	rs1295686	5.5×10^{-10}	121	0.992	rs20541	rosacea_dx	2.4×10^{-7}	[IL13]	FALSE
5q31.1	131995843	rs1295686	5.5×10^{-10}	602	0.963	rs1295685	iqb.alcohol_flush	3.4×10^{-9}	[IL13]	FALSE
5q31.1	131995843		5.5×10 ⁻¹⁰			rs848	any_animal_allergy	1.9×10 ⁻¹³	[IL13]	TRUE
•										
5q31.1	131995843		5.5×10 ⁻¹⁰	657	0.963	rs848	any_food_allergy	1.6×10 ⁻⁷	[IL13]	TRUE
5q31.1	131995843	rs1295686	5.5×10 ⁻¹⁰	657	0.963	rs848	any_plant_allergy	1.5×10 ⁻¹⁰	[IL13]	TRUE
5q31.1	131995843	rs1295686	5.5×10^{-10}	657	0.963	rs848	dust_mites_allergy	2.6×10^{-7}	[IL13]	TRUE
5q31.1	131995843	rs1295686	5.5×10^{-10}	657	0.963	rs848	eczema	7.9×10^{-21}	[IL13]	TRUE
5q31.1	131995843		5.5×10 ⁻¹⁰		0.963	rs848	insect_allergy	3.3×10 ⁻⁷	[IL13]	TRUE
•	131995843		5.5×10 ⁻¹⁰			rs848	,	1.2×10 ⁻¹⁰		
5q31.1				657	0.963		iqb.took_meds_asthma_or_lung		[IL13]	TRUE
5q31.1	131999494		3.2×10 ⁻⁷			rs2243210	other_food_allergy	5.3×10 ⁻⁷	IL13-[]-IL4	TRUE
5q31.1	132007974	rs34142320	8.9×10^{-6}	0	1.000	rs34142320	peanut_allergy	3.2×10^{-8}	IL13[]-IL4	TRUE
Ea21 2	140222157	rc272270E	1.5×10 ⁻⁵	-35220	0.742	rs11167605	dust mites allergy	4.0×10 ⁻⁸	ZMAT2[] AX746964	TRUE
5q31.3	140222157	183/33/05	1.5×10 °	-35220	0.742	181110/003	dust_mites_allergy	4.0×10 -	GNPDA1[]	IKUE
5q31.3	141489921	rs12653866	5.4×10 ⁻⁵	-43618	0.560	rs12654522	any_autoimmune	3.5×10^{-7}	NDFIP1	TRUE
5q31.3		rs72418053				rs10068717	. –	3.3×10 ⁻⁷	[NDFIP1]	
•							any_animal_allergy			TDUE
5q31.3		rs72418053	1.1×10 ⁻⁵			rs72418053	any_immune	1.3×10 ⁻⁷	[NDFIP1]	TRUE
5q31.3		rs72418053	1.1×10 ⁻⁵			rs200634877	any_asthma	2.5×10 ⁻⁸	[NDFIP1]	
6p22.1	28331818	rs35875412	7.4×10^{-5}	-90829	0.503	rs202185649	vitiligo	4.6×10^{-8}	[ZSCAN26]	
	20224040	2525442	7.4.40=5	64004	0 674	2700004		4 2 40=12	PGBD1[]	TOUE
6p22.1		rs35875412	7.4×10 ⁻⁵			rs2799081	nearsightedness	1.2×10 ⁻¹²	ZSCAN31	TRUE
6p22.1	28400295	rs7765989	3.9×10^{-5}	-99959	0.841	rs17312661	adhd_add_meds	3.4×10^{-7}	[ZSCAN31]	FALSE
C-22.1	20400205	7765000	2 010=5	04433	0.000	1 401 26720	doubel community	F 610=7	ZSCAN31-[]	
6p22.1	28400295	rs7765989	3.9×10 ⁻⁵	-94432	0.838	rs140136728	dental_superstar	5.6×10 ⁻⁷	ZKSCAN3 ZSCAN31-[]-	
6p22.1	28400295	rs7765989	3.9×10 ⁻⁵	-88874	0.820	rs6456816	nose_concavity	9.5×10^{-7}	ZKSCAN31-[]-	FALSE
	00233			2007 7	020				SCAND3[]	
6p22.1	28565827	rs6901724	6.8×10^{-6}	0	1.000	rs6901724	mold_allergy	8.1×10^{-7}	TRIM27	TRUE
6p22.1		rs1064588	5.2×10 ⁻¹¹			rs1064588	dust_mites_allergy	4.1×10^{-7}	[HLA-A]	TRUE
6p22.1		rs1064588	5.2×10 ⁻¹¹	0	1.000	rs1064588	mold allergy	4.3×10 ⁻⁷	[HLA-A]	TRUE
		rs9366752	4.2×10 ⁻⁶			rs10947050	chicken_pox	1.1×10 ⁻¹⁰	[RNF39]	TRUE
6p22.1	JUUZ40//	137300732	4.2×10	13014	0.004	131074/030	cincken_pox	1.1 \ 10	MUC22[]	TRUE
6p21.33	31043568	rs78868039	5.8×10^{-5}	-6690	0.534	rs62399063	blood sugar meds	3.9×10^{-8}	C6orf15	TRUE
6p21.33		rs9264185	3.1×10 ⁻⁵			rs1639110	any_autoimmune	8.1×10 ⁻⁷⁰	HCG27[]HLA-C	
6p21.33	31359394		5.4×10 ⁻⁹			rs79158921	depression_anxiety_meds	4.3×10 ⁻¹⁰	HLA-C[]MICA	FALSE
							. – .–			
6p21.33		rs76819587	1.2×10 ⁻⁵			rs4947308	iqb.iodine_treatment_ever	1.2×10 ⁻⁹	HLA-C[]MICA	FALSE
6p21.33		rs2516465	1.5×10 ⁻¹⁴			rs2428494	allergic_asthma	6.6×10 ⁻¹⁰	HLA-C[]MICA	TRUE
6p21.33	31414906	rs2516465	1.5×10^{-14}	-92709	0.561	rs2428494	juvenile_allergic_asthma	2.2×10^{-9}	HLA-C[]MICA	TRUE
6p21.33	31324641	rs1050518	7.9×10^{-11}	23	0.646	rs9266184	any_skin_cancer	1.5×10^{-7}	HLA-C[]MICA	FALSE
6p21.33		rs9405084	3.2×10 ⁻⁸			rs2523589	acid_reflux	9.0×10 ⁻⁷	HLA-C[]MICA	FALSE
			1.1×10 ⁻⁶					8.8×10 ⁻⁸		
6p21.33		rs67643039				rs13196525	iqb.dandruff_frequency	_	HLA-C[]MICA	FALSE
6p21.33	31359394		5.4×10 ⁻⁹			rs10649173	cavities_many	5.2×10 ⁻⁷	HLA-C[]-MICA	
6p21.33	31359394	rs762460	5.4×10^{-9}	4037	0.596	rs10649173	number_of_cavities	1.5×10^{-8}	HLA-C[]-MICA	
6p21.33	31371521	rs2252223	4.7×10^{-12}	-6918	0.787	rs2905708	other_animal_allergy	8.6×10^{-9}	HLA-C[]-MICA	TRUE
6p21.33		rs2596465	6.8×10 ⁻⁷			rs2596465	iqb.mononucleosis	2.5×10 ⁻⁹	MICA[]MICB	FALSE
6p21.33		rs3130901	9.5×10 ⁻⁷			rs9267091	iqb.ever_diagnosed_autoimmune	6.9×10 ⁻²¹	MICA[]MICB	TRUE
								_		TRUE
6p21.33		rs28895016	4.0×10 ⁻⁷			rs369630161	gender_difference_male	4.4×10 ⁻⁷	[CSNK2B]	
6p21.33	31749804	rs743399	2.3×10 ⁻⁶			rs2395079	juvenile_asthma	4.3×10 ⁻⁷	C6orf48[]-NEU1	TRUE
6p21.33	31941629	rs116420479	6.3×10^{-7}	-11278	0.530	rs2734331	iqb.low_hdl	3.6×10^{-7}	[SKIV2L]	FALSE
6p21.33	31894626	rs3020644	1.9×10^{-5}	78390	0.532	rs28361032	tongue_flip	1.9×10^{-7}	C4B_2-[]CYP21A2	TRUE
6p21.32		rs3134950	3.1×10 ⁻⁶			rs3096698	any_cvd	1.2×10 ⁻⁹	FKBPL-[]-PRRT1	TRUE
			3.1×10 ⁻⁶					6.3×10 ⁻¹⁰		
6p21.32	32127477	rs3134950	3.1×10 °	-20338	0.602	rs3096698	blood_pressure_meds	0.3×10 -3	FKBPL-[]-PRRT1	TRUE

6-21 22	22127477	2124050	6	20220	0.602		hish bland amazana	0	EVDDL [] DDDT1	TDUE
6p21.32 6p21.32	3212/4//	rs3134950 rs204999	3.1×10 ⁻⁶ 8.6×10 ⁻⁹	-20338 39837		rs3096698 rs3134940	high_blood_pressure bmi	3.0×10 ⁻⁹ 2.3×10 ⁻⁸	FKBPL-[]-PRRT1 [RNF5,AGER]	TRUE TRUE
6p21.32	32383050	rs4959027	3.0×10 ⁻⁶	46532	0.558	rs9268851	multiple_sclerosis	5.3×10 ⁻⁸⁵	HLA-DRA[] HLA-DRB5	TRUE
6p21.32	32573471	rs9270965	2.5×10 ⁻⁵	-12047	0.657	rs9270591	eczema	3.0×10 ⁻⁹	HLA-DRB5[] HLA-DQA1	FALSE
6p21.32	32667595	rs1794279	4.6×10 ⁻⁵	-89962	0.656	rs535777	hyperthyroidism	5.8×10 ⁻¹⁹	HLA-DRB5[] HLA-DQA1	TRUE
6p21.32	32583490	rs35534739	8.0×10 ⁻⁷	-878	0.522	rs3104414	rheumatoid_arthritis	2.8×10 ⁻³⁹	HLA-DRB5[] HLA-DQA1	FALSE
6p21.32		rs141215917	2.1×10 ⁻⁶			rs36014219	actinic_keratosis	5.8×10 ⁻⁷	HLA-DRB5[] HLA-DQA1	
6p21.32		rs1063355	4.3×10 ⁻¹³			rs9271385	juvenile_asthma	3.2×10 ⁻¹¹	HLA-DRB5[] HLA-DQA1	TRUE
6p21.32		rs12211942	2.9×10 ⁻⁶	16657		rs9271465	iqb.bronchitis_frequency	1.6×10 ⁻¹⁵	HLA-DRB5[] HLA-DQA1	TRUE
•		rs2516051	7.7×10 ⁻⁵					7.6×10 ⁻¹⁰	HLA-DRB5[]	FALSE
6p21.32			2.7×10 ⁻¹⁰	-12741		rs9271601	any_skin_cancer	7.0×10 ⁻⁷	HLA-DQA1 HLA-DRB5[]	
6p21.32		rs9272320	1.3×10 ⁻⁵			rs9271602	milk_allergy	1.8×10 ⁻⁴⁰	HLA-DQA1 HLA-DRB5[]-	TRUE
6p21.32		rs9272231	3.2×10 ⁻²⁴			rs9272226	iqb.plantar_warts	1.8×10 1.2×10 ⁻²⁰	HLA-DQA1 HLA-DRB5[]-	TRUE
6p21.32		rs34004019	3.2×10 2.	-22987		rs9272266	any_immune		HLA-DQA1 HLA-DRB5[]-	TRUE
6p21.32		rs34004019		-22987		rs9272266	hayfever_all	4.4×10 ⁻¹⁹	HLA-DQA1 HLA-DRB5[]-	TRUE
6p21.32		rs34004019	3.2×10 ⁻²⁴			rs3104367	allergic_asthma	3.4×10 ⁻¹³	HLA-DQA1 HLA-DRB5[]-	TRUE
6p21.32		rs34004019	3.2×10 ⁻²⁴			rs3104367	any_asthma	1.0×10 ⁻⁴⁰	HLA-DQA1 HLA-DRB5[]-	TRUE
6p21.32		rs34004019	3.2×10 ⁻²⁴		0.504	rs3104367	iqb.took_meds_asthma_or_lung	5.3×10 ⁻³⁹	HLA-DQA1 HLA-DQA1	TRUE
6p21.32		rs34004019	3.2×10 ⁻²⁴		1.000	rs34004019	any_animal_allergy	2.6×10 ⁻⁴⁸	[]HLA-DQB1 HLA-DQA1	TRUE
6p21.32	32626403	rs34004019	3.2×10 ⁻²⁴	0	1.000	rs34004019	any_food_allergy	1.6×10 ⁻⁹	[]HLA-DQB1 HLA-DQA1	TRUE
6p21.32	32626403	rs34004019	3.2×10 ⁻²⁴	0	1.000	rs34004019	any_plant_allergy	3.1×10 ⁻³⁰	[]HLA-DQB1 HLA-DQA1	TRUE
6p21.32	32626403	rs34004019	3.2×10 ⁻²⁴	0	1.000	rs34004019	other_animal_allergy	1.1×10 ⁻¹⁸	[]HLA-DQB1 HLA-DQA1	TRUE
6p21.32		rs34004019	3.2×10 ⁻²⁴		1.000	rs34004019	seasonal_allergies_broad	4.1×10 ⁻³⁰	[]HLA-DQB1 HLA-DQA1	TRUE
6p21.32	32667595	rs1794279	4.6×10 ⁻⁵			rs9273369	iqb.celiac_w_biopsy	4.6×10 ⁻⁷⁵	[]HLA-DQB1 HLA-DQA1	TRUE
6p21.32		rs28672722	1.4×10 ⁻¹⁸	-45	0.527	rs9273370	hypothyroidism	4.5×10 ⁻³⁴	[]HLA-DQB1 HLA-DQA1	TRUE
6p21.32	32636235	rs9274652	4.3×10 ⁻¹⁶	-9336	0.510	rs4713571	dust_mites_allergy	7.3×10 ⁻¹⁹	[]HLA-DQB1 HLA-DQA1	TRUE
6p21.32 6p21.32		rs9274652 rs34865969	4.3×10 ⁻¹⁶ 2.6×10 ⁻⁶			rs4713571 rs36205178	mold_allergy scarlet_fever	4.8×10^{-17} 9.5×10^{-14}	[]HLA-DQB1 [HLA-DQB1]	TRUE FALSE
6p21.32		rs1063348	7.9×10^{-14}	44		rs1063346	juvenile_allergic_asthma	6.3×10 ⁻¹³	[HLA-DQB1]	TRUE
6p21.32	32627934	rs9273463	1.9×10 ⁻¹³	6168	0.522	rs200464814	any_drug_allergy	1.6×10 ⁻⁸	[HLA-DQB1] HLA-DQB1[]	
6p21.32	32667473	rs1794514	1.0×10 ⁻⁵	-15832	0.523	rs3134977	iqb.gluten_intolerance	1.9×10 ⁻⁴⁰	HLA-DQA2 HLA-DQB1[]	TRUE
6p21.32	32626492	rs9273370	2.2×10 ⁻⁸	27234	0.504	rs9275170	acid_reflux_meds	6.8×10 ⁻¹⁰	HLA-DQA2 HLA-DQB1[]	TRUE
6p21.32	32658429	rs9368737	4.6×10 ⁻⁷	15325	0.524	rs28772279	lightheaded	3.7×10 ⁻⁷	HLA-DQA2 HLA-DQB1[]	TRUE
6p21.32	32673077	rs9275485	3.8×10 ⁻⁶	817	0.525	rs1794269	juvenile_t1d	1.2×10 ⁻⁵⁹	HLA-DQA2 HLA-DQB1[]	FALSE
6p21.32	32626249	rs6928482	2.3×10 ⁻⁷	51663	0.622	rs9275563	iqb.oral_corticosteroid_ever	3.5×10 ⁻⁷	HLA-DQA2 HLA-DQB1[]	TRUE
6p21.32 6p21.32		rs6928482 rs115591082	2.3×10 ⁻⁷ 7.6×10 ⁻⁶			rs9275563 rs143970236	iqb.pneumonia_frequency iqb.iodine_treatment_ever	1.4×10 ⁻¹¹ 5.4×10 ⁻⁸	HLA-DQA2 [TAP2]	TRUE
6p21.32	33540209		2.5×10 ⁻⁵			rs511515	sunburns	2.0×10 ⁻²⁵	[BAK1]	TRUE
6p21.31	33647058	rs10947428	4.9×10^{-7}	0	1.000	rs10947428	mold_allergy	1.2×10 ⁻⁷	[ITPR3]	TRUE
6q22.31		rs12211678	2.6×10 ⁻⁶			rs12204589	seasonal_allergies_broad	2.1×10 ⁻⁸	MAN1A1[]	TRUE
6q22.31		rs199534472	5.0×10 ⁻⁵		1.000	rs9489833	penicillin_allergy	5.7×10 ⁻⁷	MAN1A1[]	
6q26	164141649 167422812		1.7×10 ⁻⁵ 7.9×10 ⁻⁵			rs4709752 rs239931	any_plant_allergy any animal allergy	7.6×10 ⁻⁷ 7.6×10 ⁻⁷	QKI[] [FGFR1OP]	TRUE TRUE
6q27							arry_arritriar_arrer gy		FGFR1OP-[]	
6q27	167422812		7.9×10 ⁻⁵			rs162297	juvenile_asthma	8.3×10 ⁻⁷	CCR6	TRUE
7p21.1 7p21.1		rs17364847 rs79580155	2.2×10^{-6} 4.0×10^{-5}	12149 63195		rs17455862 rs739751	height other animal allergy	2.5×10^{-13} 4.5×10^{-7}	[ITGB8] [ITGB8]	TRUE TRUE
/p21.1			_				other_animal_anergy		ITGB8[]	
7p21.1 7p15.1		rs10270615 rs66537264	2.1×10 ⁻⁶ 7.0×10 ⁻⁵			rs35120688 rs9648346	any_animal_allergy any_animal_allergy	2.8×10 ⁻⁸ 1.6×10 ⁻⁸	ABCB5 [JAZF1]	TRUE TRUE
7p12.2		rs62447171	5.0×10 ⁻⁵			rs876037	tonsillectomy	1.1×10 ⁻¹¹	C7orf72[] IKZF1	TRUE
7p12.2		rs2085423	1.7×10 ⁻⁵			rs963594	mosquito_combined	7.4×10 ⁻¹¹	C7orf72[] IKZF1	FALSE
7q11.23		rs17806725	3.2×10 ⁻⁵			rs1181900	any_plant_allergy	1.8×10 ⁻⁷	[GSAP]	TRUE
7q11.23	77035392	rs6949654	7.0×10^{-5}	3553	0.509	rs2190097	any_animal_allergy	8.9×10^{-7}	[GSAP]	TRUE
8p12	35117349	rs10091394	3.4×10 ⁻⁵	-80915	0.526	rs13253948	insomnia	5.3×10 ⁻⁷	[]UNC5D TPD52[]	TRUE
8q21.13	81292599	rs7824394	1.2×10 ⁻⁹	-30055	0.672	rs62517192	any_immune	9.7×10 ⁻¹⁰	ZBTB10 TPD52[]	TRUE
8q21.13	81286298	rs6986109	1.9×10 ⁻⁹	-23505	0.574	rs67939787	any_plant_allergy	3.7×10 ⁻⁸	ZBTB10 TPD52[]	TRUE
8q21.13	81292599	rs7824394	1.2×10 ⁻⁹	-29703	0.771	rs7824993	eggs_allergy	8.7×10 ⁻⁷	ZBTB10 TPD52[]	TRUE
8q21.13	81292599	rs7824394	1.2×10 ⁻⁹	-27022	0.709	rs2370613	dust_mites_allergy	6.5×10 ⁻¹¹	ZBTB10 TPD52[]	TRUE
8q21.13	81292599	rs7824394	1.2×10 ⁻⁹	-9424	0.750	rs7837219	hayfever_all	1.2×10 ⁻⁹	ZBTB10 TPD52[]	TRUE
8q21.13	81292599	rs7824394	1.2×10 ⁻⁹	-7460	0.934	rs10957978	any_asthma	1.1×10 ⁻¹¹	ZBTB10 TPD52[]	TRUE
8q21.13	81292599	rs7824394	1.2×10 ⁻⁹	-6301	0.731	rs6986109	mold_allergy	1.2×10 ⁻⁹	ZBTB10 TPD52[]	TRUE
8q21.13	81292599	rs7824394	1.2×10 ⁻⁹	-6301	0.731	rs6986109	seasonal_allergies_broad	4.3×10 ⁻⁹	ZBTB10 TPD52[]	TRUE
8q21.13	81292599	rs7824394	1.2×10 ⁻⁹	0	1.000	rs7824394	any_animal_allergy	8.1×10 ⁻¹¹	ZBTB10	TRUE

8q21.13	91202500	rs7824394	1.2×10 ⁻⁹	0	1 000	rs7824394	eczema	3.3×10 ⁻¹¹	TPD52[]	TRUE
0421.13	01292399	15/024394	1.2×10	U	1.000	15/024394	eczema	3.3×10	ZBTB10 TPD52[]	IKUE
8q21.13	81292599	rs7824394	1.2×10 ⁻⁹	11977	0.674	rs4739739	igb.took_meds_asthma_or_lung	1.3×10^{-7}	ZBTB10	TRUE
9p24.1	4980929	rs141192940	5.3×10^{-5}	3601	0.672	rs1887428	crohns_or_ulcerative_colitis	8.7×10^{-9}	RCL1[]JAK2	
9p24.1	4980929	rs141192940	5.3×10^{-5}	17472	0.588	rs7868130	blood_disorder	5.8×10^{-14}	[JAK2]	
9p24.1	4980929	rs141192940	5.3×10^{-5}	17472	0.588	rs7868130	mpn_narrow	5.7×10 ⁻⁵⁹	[JAK2]	
9p24.1	4980929	rs141192940	5.3×10^{-5}	17472	0.588	rs7868130	mpn_or_v617f	4.7×10^{-92}	[JAK2]	
9p24.1	4980929	rs141192940	5.3×10^{-5}	29162	0.582	rs10974910	jak2_v617f_cc	2.0×10^{-36}	[JAK2]	
9p24.1	5130965	rs10974978	2.1×10^{-5}	-51137	0.791	rs10974952	iqb.took_meds_asthma_or_lung	3.4×10^{-7}	[JAK2]	TRUE
9p24.1	5130965		2.1×10 ⁻⁵			rs3780381	seasonal_allergies_broad	4.1×10 ⁻⁷	[JAK2]	TRUE
9p24.1	5130965	rs10974978	2.1×10 ⁻⁵			rs12349508	heartburn	5.4×10 ⁻⁷	[INSL6]	TRUE
9p24.1	6021398	rs148813004	8.6×10 ⁻⁶	0	1.000	rs148813004	any_food_allergy	5.4×10 ⁻⁷	RANBP6-[]IL33	TRUE
9p24.1	6208030	rs144829310	3.3×10 ⁻¹⁰	-31159	0.949	rs72699188	juvenile_asthma	1.1×10 ⁻⁷	RANBP6[] IL33	TRUE
3p2 1.1	0200030	13111023310		31133	0.515	13/2033100	javenne_astima		RANBP6[]	INOL
9p24.1	6208030	rs144829310	3.3×10^{-10}	-30577	0.969	rs9775039	any_animal_allergy	8.1×10^{-15}	IL33	TRUE
9p24.1	6208030	rs144829310	3.3×10 ⁻¹⁰	_30577	0.060	rs9775039	any_plant_allergy	1.0×10 ⁻¹³	RANBP6[] IL33	TRUE
3p24.1	0200030	15144029310		-30377	0.505	153773033	any_plant_allergy		RANBP6[]	INUL
9p24.1	6208030	rs144829310	3.3×10^{-10}	-30577	0.969	rs9775039	dust_mites_allergy	1.3×10^{-8}	IL33	TRUE
9p24.1	6208030	rs144829310	3.3×10 ⁻¹⁰	-30577	0.969	rs9775039	iqb.took_meds_asthma_or_lung	2.3×10 ⁻²⁰	RANBP6[] IL33	TRUE
9p24.1	0200030	15144029310	3.3×10	-303//	0.909	189773039	iqb.took_iiieus_astiiiia_oi_iuiig	2.3×10	RANBP6[]	IKUE
9p24.1	6208030	rs144829310	3.3×10^{-10}	-30577	0.969	rs9775039	mold_allergy	1.0×10^{-12}	IL33	TRUE
0-24 1	6200020	ma144020210	3.3×10 ⁻¹⁰	20577	0.000	**077E030	concern allowaice broad	5.2×10 ⁻¹⁴	RANBP6[]	TDUE
9p24.1	6208030	rs144829310	3.3×10	-305//	0.969	rs9775039	seasonal_allergies_broad	5.2×10 -	IL33 RANBP6[]	TRUE
9p24.1	6208030	rs144829310	3.3×10^{-10}	-26505	0.614	rs4529511	iqb.chronic_sinus_infections	1.6×10^{-7}	IL33	TRUE
		1.1.000010	2 2 40=10	47054	0.050	1010006		F 0 40=15	RANBP6[]	TD.115
9p24.1	6208030	rs144829310	3.3×10^{-10}	-17954	0.959	rs1342326	allergic_asthma	5.3×10 ⁻¹⁵	IL33 RANBP6[]	TRUE
9p24.1	6208030	rs144829310	3.3×10^{-10}	-17954	0.959	rs1342326	juvenile_allergic_asthma	1.2×10^{-13}	IL33	TRUE
9p24.1	6208030	rs144829310	3.3×10^{-10}	0	1.000	rs144829310	any_asthma	1.3×10^{-31}	RANBP6[]-IL33	TRUE
9p24.1	6213829	rs10975488	7.7×10^{-11}	0	1.000	rs10975488	hayfever_all	1.6×10^{-14}	RANBP6[]-IL33	TRUE
			0				, –		IL33[]	
9p24.1	6187132	rs76962799	4.9×10^{-8}	95379	0.653	rs78757963	any_drug_allergy	1.1×10^{-7}	TPD52L3 IL33[]	TRUE
9p24.1	6297108	rs143305466	1.0×10^{-6}	-4506	0.748	rs744567	iqb.travel_preferences	8.8×10^{-7}	TPD52L3	TRUE
9q22.33	101799399		1.5×10 ⁻⁵	20445		rs7038068	iqb.took_meds_asthma_or_lung	1.8×10 ⁻⁸	[COL15A1]	TRUE
9q33.2		rs10760123	2.2×10 ⁻⁵			rs10760127	back_hair	5.0×10^{-8}	TRAF1-[]C5	FALSE
9q34.2	136139907		3.0×10^{-7}	-6999		rs8176719	iqb.lipoma	2.1×10 ⁻⁸	[ABO]	
9q34.2		9:136138765:GCGCC	2.3×10 ⁻⁶		1.000	9:136138765:GCGCC	gallstones_or_gall_bladder_removal	5.9×10^{-8}	[ABO]	TRUE
9q34.2	136141870		3.6×10^{-8}			rs8176680	healthy_old	9.6×10 ⁻⁷	[ABO]	
9q34.2	136141870		3.6×10 ⁻⁸	-1963		rs8176680	iqb.low_hdl	6.3×10 ⁻⁷	[ABO]	
9q34.2	136141870		3.6×10 ⁻⁸			rs2519093	any_animal_allergy	1.5×10^{-11}	[ABO]	TRUE
9q34.2			3.6×10 ⁻⁸			rs2519093	dust_mites_allergy	2.9×10^{-9}	[ABO]	TRUE
9q34.2			3.6×10 ⁻⁸			rs2519093	mold_allergy	1.7×10 ⁻⁸	[ABO]	TRUE
9q34.2	136141870		3.6×10^{-8}			rs2519093	high_cholesterol_broad	1.9×10^{-36}	[ABO]	TRUE
9q34.2	136137106	rs687289	2.0×10^{-6}	7202	0.753	rs576123	any_plant_allergy	8.2×10^{-11}	[ABO]	TRUE
9q34.2	136137106		2.0×10^{-6}			rs576123	seasonal_allergies_broad	7.0×10^{-11}	[ABO]	TRUE
9q34.2	136139907	rs8176680	3.0×10^{-7}	6170	0.607	rs676996	igb.need_braces	1.9×10^{-7}	[ABO]	
9q34.2	136146448	9:136146448:TAAGA	2.6×10^{-5}	0	1.000	9:136146448:TAAGA	hemorrhoids	4.2×10^{-7}	[ABO]	FALSE
9q34.2	136141870	rs2519093	3.6×10^{-8}	4727	0.575	rs550057	iqb.blood_donation_frequency	4.0×10^{-12}	[ABO]	FALSE
9q34.2	136149095	9:136149095:CA_C	7.1×10^{-6}	0	1.000	9:136149095:CA_C	iqb.childhood_ear_infections	3.7×10^{-11}	[ABO]	TRUE
9q34.2	136141870	rs2519093	3.6×10^{-8}	7529	0.991	rs507666	iqb.took_meds_blood_thinners	5.9×10^{-25}	[ABO]	TRUE
9q34.2	136141870	rs2519093	3.6×10^{-8}	7529	0.991	rs507666	iqb.varicose_veins_legs	9.4×10^{-25}	[ABO]	TRUE
9q34.2	136139907	rs8176680	3.0×10^{-7}	9593	0.656	rs529565	blood_clots	7.1×10^{-63}	[ABO]	
9q34.2	136149709	9:136149709:AC_A	6.6×10^{-7}	0	1.000	9:136149709:AC_A	heart_metabolic_disease	1.2×10^{-8}	[ABO]	TRUE
9q34.2	136149709	9:136149709:AC_A	6.6×10^{-7}	0	1.000	9:136149709:AC_A	heart_metabolic_disease_burden	2.8×10^{-7}	[ABO]	TRUE
9q34.2	136141870	rs2519093	3.6×10 ⁻⁸			rs635634	iqb.warfarin_ever	5.4×10 ⁻¹⁹	ABO-[]SURF6	TRUE
9q34.2	136141870	rs2519093	3.6×10 ⁻⁸	13130	0.983	rs635634	tonsillectomy	8.5×10 ⁻⁹	ABO-[]SURF6	TRUE
10p15.1	6066195	rs12358961	3.0×10^{-5}	1493	0.983	rs2025345	seasonal_allergies_broad	9.3×10 ⁻⁷	[IL2RA]	TRUE
10p15.1		rs4747846	7.4×10 ⁻⁶	0	1.000	rs4747846	dust_mites_allergy	7.5×10 ⁻⁷	[IL2RA]	TRUE
10p14		rs61228150	1.1×10 ⁻⁵			rs61228150	dust_mites_allergy	3.0×10^{-10}	GATA3[]	TRUE
10p14		rs61840192	6.9×10 ⁻¹¹			rs61840192	iqb.took_meds_asthma_or_lung	1.2×10 ⁻⁹	GATA3[]	TRUE
10p14		rs61840192	6.9×10 ⁻¹¹			rs61840192	seasonal_allergies_broad	7.1×10 ⁻¹³	GATA3[]	TRUE
10p14		rs61840192	6.9×10 ⁻¹¹			rs61840192	scarlet_fever	5.8×10 ⁻⁷	GATA3[]	TRUE
10p14		rs12413578	1.1×10 ⁻⁶			rs12413578	any_asthma	8.1×10 ⁻¹²	GATA3[]	TRUE
10p14		rs61840192	6.9×10 ⁻¹¹			rs962993	any_plant_allergy	6.8×10 ⁻¹³	GATA3[]	TRUE
10p14		rs1775550	5.6×10^{-11} 6.9×10^{-11}			rs6602349	any_animal_allergy	8.4×10 ⁻¹⁶ 6.5×10 ⁻⁸	GATA3[]	TRUE
10p14		rs61840192				rs2197415	any_food_allergy	6.5×10 ° 2.1×10 ⁻⁸	GATA3[]	TRUE
10p14		rs1775550	5.6×10^{-11} 2.6×10^{-10}			rs2797272	iqb.snore	4.7×10 ⁻¹⁰	GATA3[]	TRUE
•		rs201041406	2.6×10^{-10} 2.6×10^{-10}			rs11593589	mold_allergy	5.8×10^{-13}	[TMEM180]	
10q24.32	104319131	rs201041406	2.6×10	-90832	0.518	rs11593589	seasonal_allergies_broad	5.8×10	[TMEM180] TMEM180[]-	
10q24.32	104319131	rs201041406	2.6×10 ⁻¹⁰	-82124	0.564	rs12569526	height	2.7×10 ⁻²⁴	ACTR1A	
10q24.32	104228299	rs11593589	3.6×10^{-10}	29796	0.619	rs715440	any_animal_allergy	7.6×10^{-10}	[ACTR1A]	TRUE
•	104228299		3.6×10 ⁻¹⁰			rs715440	any_food_allergy	3.0×10^{-8}	[ACTR1A]	TRUE
10q24.32	104278261	rs201333164	1.1×10^{-10}	0	1.000	rs201333164	insect_allergy	3.4×10 ⁻⁸	[SUFU]	TRUE
		rs201041406	2.6×10 ⁻¹⁰			rs9783158	any_plant_allergy	8.9×10^{-14}	[SUFU]	
•		rs201041406	2.6×10 ⁻¹⁰			rs9783158	dust_mites_allergy	6.3×10 ⁻⁹	[SUFU]	
•		rs201041406	2.6×10 ⁻¹⁰			rs200553041	other_animal_allergy	4.1×10 ⁻⁷	[SUFU]	
10q24.32	104707211	rs34957371	5.8×10^{-7}	-48193	0.544	rs7909591	ever_tobacco_user	2.3×10^{-8}	[AS3MT]	
11q12.2	61262710	rs12806665	9.7×10 ⁻⁵	-2405	0 021	rs11230714	blood_pressure_meds	1.2×10 ⁻⁷	PPP1R32-[] LRRC10B	FALSE
11412.2	01203/10	1312000003	J./ \1U -	2403	0.521	1311230/17	5100u_pressure_ilicus		PPP1R32[]-	IALJE
11q12.2	61263710	rs12806665	9.7×10^{-5}			rs11230727	high_blood_pressure	7.2×10 ⁻⁸	LRRC10B	FALSE
11q13.5	76299431	rs55646091	2.1×10^{-9}	-50801	0.906	rs61894547	mosquito_combined	5.5×10^{-7}	[C11orf30]	FALSE
11-12 5	76200044	rs34455012	1.2×10 ⁻¹³	22200	0 516	rc10000221	other animal allered	4 2 4 10 - 8	C11orf30[]	
11q13.5		15344330112	LZXIU *3	-23389	0.516	rs10899231	other_animal_allergy	4.3×10^{-8}	LRRC32	
	70299044		112::10						C11orf30[1	
11013 5						rs7114362	other food allergy	9 9×10-7	C11orf30[] LRRC32	TRUE
11q13.5		rs7936323	1.1×10 ⁻¹⁴			rs7114362	other_food_allergy	9.9×10 ⁻⁷		TRUE

11q13.5	76293758	rs7936323	1.1×10 ⁻¹⁴	-32	0.974	rs7936312	allergic_asthma	3.2×10 ⁻⁷	LRRC32	TRUE
11-12 5	76202750	ma7026222		22	0.074	ma7026212		7.1×10 ⁻¹³	C11orf30[]	TDUE
11q13.5	76293758	rs/936323	1.1×10 ⁻¹⁴	-32	0.974	rs7936312	any_immune	7.1×10 13	LRRC32 C11orf30[]	TRUE
11q13.5	76293758	rs7936323	1.1×10^{-14}	0	1.000	rs7936323	any_animal_allergy	1.7×10^{-18}	LRRC32	TRUE
11q13.5	76293758	rs7936323	1.1×10 ⁻¹⁴	0	1.000	rs7936323	any_asthma	1.4×10^{-16}	C11orf30[] LRRC32	TRUE
							. –		C11orf30[]	
11q13.5	76293758	rs7936323	1.1×10 ⁻¹⁴	0	1.000	rs7936323	any_plant_allergy	4.8×10^{-15}	LRRC32	TRUE
11q13.5	76293758	rs7936323	1.1×10^{-14}	0	1.000	rs7936323	dust_mites_allergy	1.9×10^{-18}	C11orf30[] LRRC32	TRUE
	76202750	7006000				7025222			C11orf30[]	TD.1.5
11q13.5	76293758	rs/936323	1.1×10 ⁻¹⁴	0	1.000	rs7936323	eczema	5.8×10 ⁻¹⁶	LRRC32 C11orf30[]	TRUE
11q13.5	76293758	rs7936323	1.1×10^{-14}	0	1.000	rs7936323	hayfever_all	5.6×10^{-11}	LRRC32	TRUE
11q13.5	76293758	rs7936323	1.1×10 ⁻¹⁴	0	1.000	rs7936323	insect_allergy	2.2×10 ⁻⁷	C11orf30[] LRRC32	TRUE
11415.5	70233730	137 530323		O	1.000	137 330323	msect_diletgy		C11orf30[]	
11q13.5	76293758	rs7936323	1.1×10^{-14}	0	1.000	rs7936323	iqb.took_meds_asthma_or_lung	4.0×10^{-20}	LRRC32	TRUE
11q13.5	76293758	rs7936323	1.1×10^{-14}	0	1.000	rs7936323	juvenile_allergic_asthma	2.3×10 ⁻⁹	C11orf30[] LRRC32	TRUE
									C11orf30[]	
11q13.5	76293758	rs/936323	1.1×10 ⁻¹⁴	0	1.000	rs7936323	juvenile_asthma	6.9×10 ⁻⁹	LRRC32 C11orf30[]	TRUE
11q13.5	76293758	rs7936323	1.1×10^{-14}	0	1.000	rs7936323	mold_allergy	6.0×10^{-13}	LRRC32	TRUE
11q13.5	76293758	rs7936323	1.1×10 ⁻¹⁴	0	1.000	rs7936323	seasonal_allergies_broad	3.0×10 ⁻¹⁶	C11orf30[] LRRC32	TRUE
11415.5	70293730	137930323		U	1.000	137930323	seasonal_anergies_broad		C11orf30[]	INOL
11q13.5	76293758	rs7936323	1.1×10^{-14}	5436	0.898	rs2155219	any_food_allergy	9.2×10 ⁻¹²	LRRC32	TRUE
11q13.5	76293758	rs7936323	1.1×10 ⁻¹⁴	5436	0.898	rs2155219	tree_nuts_allergy	1.0×10^{-8}	C11orf30[] LRRC32	TRUE
									C11orf30[]	
11q13.5	76293758		1.1×10 ⁻¹⁴			rs7930763	food_allergy	3.9×10 ⁻⁹	LRRC32	TRUE
11q23.1		rs200687381	9.6×10 ⁻⁷ 9.6×10 ⁻⁷	-33699		rs663763 rs200687381	high_blood_pressure	2.3×10 ⁻⁷ 3.4×10 ⁻¹⁰	[LAYN]	TDUE
11q23.1		rs200687381	9.6×10 ⁷ 9.6×10 ⁻⁷				any_plant_allergy		LAYN[]SIK2	TRUE
11q23.1		rs200687381	_			rs200687381	dust_mites_allergy	1.3×10 ⁻⁷	LAYN[]SIK2	TRUE
11q23.1		rs200687381	9.6×10 ⁻⁷			rs567040	seasonal_allergies_broad	8.4×10 ⁻⁹	LAYN[]SIK2	
11q23.1		rs200687381	9.6×10 ⁻⁷			rs10532521	iqb.gap_between_teeth	3.9×10 ⁻⁹	[SIK2]	
11q23.1		rs200687381	9.6×10 ⁻⁷			rs11828343	any_animal_allergy	7.1×10^{-10}	[SIK2]	TD115
11q23.3	116872034		3.4×10^{-6}			rs10892057	any_plant_allergy	3.1×10^{-7}	[SIK3]	TRUE
11q23.3	116872034		3.4×10^{-6}			rs10892057	seasonal_allergies_broad	5.8×10 ⁻⁷	[SIK3]	TRUE
11q23.3		rs111765459	7.3×10 ⁻⁶	13279	0.922	rs2277287	any_animal_allergy	4.0×10 ⁻⁷	[PCSK7]	TRUE
11q23.3	118575261	11:118575261:A_ATT	9.9×10 ⁻¹¹	0		11:118575261:A_ATT	any_plant_allergy	9.9×10 ⁻¹¹	TREH[]DDX6	TRUE
11q23.3	118590078	rs470203	1.7×10 ⁻¹⁰	0	1.000	rs470203	any_animal_allergy	3.8×10^{-9}	TREH[]DDX6	TRUE
11q23.3	118590078	rs470203	1.7×10^{-10}	0	1.000	rs470203	dust_mites_allergy	9.7×10^{-11}	TREH[]DDX6	TRUE
11q23.3	118675772	rs11217036	9.3×10^{-11}	-68461	0.843	rs56267528	iqb.took_meds_asthma_or_lung	7.6×10^{-8}	TREH[]DDX6	TRUE
11q23.3	118721699	rs7125066	1.1×10^{-8}	0	1.000	rs7125066	mold_allergy	5.2×10^{-8}	DDX6[]CXCR5	TRUE
11q23.3	118675772	rs11217036	9.3×10^{-11}	62509	0.523	rs7119038	any_asthma	9.3×10^{-8}	DDX6[]CXCR5	TRUE
11q23.3	118675772	rs11217036	9.3×10^{-11}	62509	0.523	rs7119038	any_immune	7.7×10^{-7}	DDX6[]CXCR5	TRUE
11q23.3	118675772	rs11217036	9.3×10^{-11}	66952	0.569	rs7125333	seasonal_allergies_broad	4.3×10^{-11}	DDX6[]CXCR5	TRUE
11q23.3	118675772	rs11217036	9.3×10^{-11}	68624	0.678	rs7117313	hayfever_all	1.6×10^{-7}	DDX6[]CXCR5	TRUE
			_				. –		SPATA19[]	
11q25	133754975		2.5×10 ⁻⁷			rs329664	any_neurological	9.0×10 ⁻⁹	IGSF9B	TRUE
12q13.12	50345671	rs11169225	5.4×10 ⁻⁸			rs3759124	iqb.sweat_during_workout	2.9×10 ⁻⁹	FAIM2[]-AQP2	FALSE
12q13.12	50345671	rs11169225	5.4×10 ⁻⁸			rs11169225	any_animal_allergy	7.1×10 ⁻⁹	[AQP2]	TRUE
12q13.12	50345671	rs11169225	5.4×10^{-8}	0	1.000	rs11169225	seasonal_allergies_broad	4.6×10^{-8}	[AQP2]	TRUE
12q13.12		rs56709084	7.8×10 ⁻⁵	31555	0.540	rs10219559	any_cvd	1.3×10 ⁻⁷	[LIMA1]	TRUE
12q13.2	56427808	rs1702877	8.0×10^{-5}	-24231	0.965	rs772921	any_autoimmune	7.7×10^{-7}	SUOX-[]IKZF4	TRUE
12q13.2	56427808	rs1702877	8.0×10^{-5}	0	1.000	rs1702877	any_immune	2.7×10^{-7}	[IKZF4]	TRUE
12q13.2	56427808	rs1702877	8.0×10^{-5}	27486	0.947	rs2640564	vitiligo	3.8×10^{-10}	RPS26[]ERBB3	TRUE
12q13.2	56427808	rs1702877	8.0×10^{-5}	39779	0.554	rs7312770	hypothyroidism	8.0×10^{-8}	RPS26[]-ERBB3	TRUE
12q13.2	56427808	rs1702877	8.0×10^{-5}	39779	0.554	rs7312770	pcos	8.9×10^{-7}	RPS26[]-ERBB3	TRUE
12q13.3	57493727	rs3024971	5.2×10^{-7}	0	1.000	rs3024971	any_animal_allergy	4.5×10^{-11}	[STAT6]	TRUE
12q13.3	57493727		5.2×10 ⁻⁷			rs3024971	mosquito_combined	9.4×10^{-16}	[STAT6]	FALSE
12q13.3	57493727		5.2×10^{-7}			rs3024971	mosquito_severe	5.3×10^{-10}	[STAT6]	TRUE
12q13.3	57510309		4.3×10^{-5}			rs167769	juvenile_allergic_asthma	5.7×10 ⁻⁷	[STAT6]	TRUE
12q13.3	57510309		4.3×10 ⁻⁵			rs3001426	any_asthma	1.4×10 ⁻¹⁰	STAT6-[]LRP1	TRUE
12q13.3	57510309		4.3×10^{-5}			rs11172113	iqb.red_wine_headache	1.5×10^{-12}	[LRP1]	FALSE
12q13.3	57510309		4.3×10 ⁻⁵			rs11172113	migraine_diagnosis	5.6×10 ⁻³⁶	[LRP1]	FALSE
12q21.33	90301665		7.5×10 ⁻⁷			rs4240744	seasonal_allergies_broad	4.5×10 ⁻⁷	ATP2B1[]	TRUE
12q21.33	90301665		7.5×10 ⁻⁷			rs7972542	any_plant_allergy	2.5×10 ⁻⁷	ATP2B1[]	TRUE
12q21.33	90303567		2.4×10^{-6}			rs7294671	other_plant_allergy	1.6×10^{-7}	ATP2B1[]	TRUE
12q21.33	92573643		8.8×10 ⁻⁵			rs1658685	eyecolor_herc2_blue	3.3×10^{-10}	[LOC256021]	TRUE
			_				, – –		BTG1[]	
12q21.33	92573643	rs790468	8.8×10^{-5}	-5810	0.979	rs790464	eyecolor_simple	3.2×10^{-7}	CLLU10S	TRUE
12q23.3										
	107350088	rs2041895	8.6×10 ⁻⁶	-27173	0.532	rs10861679	height		RIC8B[] C12orf23	TRUE
•	107350088					rs10861679	height	1.5×10 ⁻¹¹	RIC8B[] C12orf23 FAM109A[]-	TRUE
•	107350088 111910219		_			rs10861679 rs10774624	height iqb.took_meds_blood_thinners		C12orf23 FAM109A[]- SH2B3	TRUE FALSE
12q24.12	111910219	rs10774625	4.1×10 ⁻⁵	-76431	0.835	rs10774624	iqb.took_meds_blood_thinners	1.5×10 ⁻¹¹ 2.6×10 ⁻⁷	C12orf23 FAM109A[]- SH2B3 FAM109A[]-	FALSE
12q24.12 12q24.12	111910219 111910219	rs10774625 rs10774625	4.1×10 ⁻⁵ 4.1×10 ⁻⁵	-76431 -76431	0.835 0.835	rs10774624 rs10774624	iqb.took_meds_blood_thinners any_cvd	1.5×10^{-11} 2.6×10^{-7} 9.0×10^{-11}	C12orf23 FAM109A[]- SH2B3 FAM109A[]- SH2B3	FALSE FALSE
12q24.12 12q24.12 12q24.12	111910219 111910219 111910219	rs10774625 rs10774625 rs10774625	4.1×10 ⁻⁵ 4.1×10 ⁻⁵ 4.1×10 ⁻⁵	-76431 -76431 -45170	0.835 0.835 0.886	rs10774624 rs10774624 rs7310615	iqb.took_meds_blood_thinners any_cvd high_blood_pressure	1.5×10^{-11} 2.6×10^{-7} 9.0×10^{-11} 1.8×10^{-13}	C12orf23 FAM109A[]- SH2B3 FAM109A[]- SH2B3 [SH2B3]	FALSE FALSE
12q24.12 12q24.12 12q24.12 12q24.12	111910219 111910219 111910219 111910219	rs10774625 rs10774625 rs10774625 rs10774625	4.1×10 ⁻⁵ 4.1×10 ⁻⁵ 4.1×10 ⁻⁵ 4.1×10 ⁻⁵	-76431 -76431 -45170 -25611	0.835 0.835 0.886 0.934	rs10774624 rs10774624 rs7310615 rs3184504	iqb.took_meds_blood_thinners any_cvd high_blood_pressure iqb.ever_diagnosed_autoimmune	1.5×10^{-11} 2.6×10^{-7} 9.0×10^{-11} 1.8×10^{-13} 1.3×10^{-15}	C12orf23 FAM109A[]- SH2B3 FAM109A[]- SH2B3 [SH2B3] [SH2B3]	FALSE FALSE FALSE
12q24.12 12q24.12 12q24.12 12q24.12 12q24.12	111910219 111910219 111910219 111910219 111910219	rs10774625 rs10774625 rs10774625 rs10774625 rs10774625	4.1×10 ⁻⁵ 4.1×10 ⁻⁵ 4.1×10 ⁻⁵ 4.1×10 ⁻⁵ 4.1×10 ⁻⁵	-76431 -76431 -45170 -25611 -25611	0.835 0.835 0.886 0.934 0.934	rs10774624 rs10774624 rs7310615 rs3184504 rs3184504	iqb.took_meds_blood_thinners any_cvd high_blood_pressure iqb.ever_diagnosed_autoimmune jak2_v617f_cc	1.5×10^{-11} 2.6×10^{-7} 9.0×10^{-11} 1.8×10^{-13} 1.3×10^{-15} 3.6×10^{-8}	C12orf23 FAM109A[]- SH2B3 FAM109A[]- SH2B3 [SH2B3] [SH2B3] [SH2B3]	FALSE FALSE FALSE FALSE
12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12	111910219 111910219 111910219 111910219 111910219 111910219	rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625	4.1×10 ⁻⁵ 4.1×10 ⁻⁵ 4.1×10 ⁻⁵ 4.1×10 ⁻⁵ 4.1×10 ⁻⁵ 4.1×10 ⁻⁵	-76431 -76431 -45170 -25611 -25611 -25611	0.835 0.835 0.886 0.934 0.934 0.934	rs10774624 rs10774624 rs7310615 rs3184504 rs3184504 rs3184504	iqb.took_meds_blood_thinners any_cvd high_blood_pressure iqb.ever_diagnosed_autoimmune jak2_v617f_cc mpn_narrow	1.5×10^{-11} 2.6×10^{-7} 9.0×10^{-11} 1.8×10^{-13} 1.3×10^{-15} 3.6×10^{-8} 3.3×10^{-7}	C120rf23 FAM109A[]- SH2B3 FAM109A[]- SH2B3 [SH2B3] [SH2B3] [SH2B3] [SH2B3]	FALSE FALSE FALSE FALSE FALSE
12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12	111910219 111910219 111910219 111910219 111910219 111910219 111910219	rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625	4.1×10 ⁻⁵	-76431 -76431 -45170 -25611 -25611 -25611	0.835 0.835 0.886 0.934 0.934 0.934 0.934	rs10774624 rs10774624 rs7310615 rs3184504 rs3184504 rs3184504 rs3184504	iqb.took_meds_blood_thinners any_cvd high_blood_pressure iqb.ever_diagnosed_autoimmune jak2_v617f_cc mpn_narrow mpn_or_v617f	1.5×10^{-11} 2.6×10^{-7} 9.0×10^{-11} 1.8×10^{-13} 1.3×10^{-15} 3.6×10^{-8} 3.3×10^{-7} 1.0×10^{-13}	C12off23 FAM109A[]- SH2B3 FAM109A[]- SH2B3 [SH2B3] [SH2B3] [SH2B3] [SH2B3] [SH2B3] [SH2B3]	FALSE FALSE FALSE FALSE FALSE FALSE
12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12	111910219 111910219 111910219 111910219 111910219 111910219 111910219 111910219	rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625	4.1×10 ⁻⁵	-76431 -76431 -45170 -25611 -25611 -25611 -25611	0.835 0.835 0.886 0.934 0.934 0.934 0.934	rs10774624 rs10774624 rs7310615 rs3184504 rs3184504 rs3184504 rs3184504 rs3184504	iqb.took_meds_blood_thinners any_cvd high_blood_pressure iqb.ever_diagnosed_autoimmune jak2_v617f_cc mpn_narrow	1.5×10^{-11} 2.6×10^{-7} 9.0×10^{-11} 1.8×10^{-13} 1.3×10^{-15} 3.6×10^{-8} 3.3×10^{-7} 1.0×10^{-13} 3.1×10^{-10}	C12orf23 FAM109A[]- SH2B3 FAM109A[]- SH2B3 [SH2B3] [SH2B3] [SH2B3] [SH2B3] [SH2B3] [SH2B3] [SH2B3]	FALSE FALSE FALSE FALSE FALSE FALSE FALSE
12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12	111910219 111910219 111910219 111910219 111910219 111910219 111910219	rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625	4.1×10 ⁻⁵	-76431 -76431 -45170 -25611 -25611 -25611 -25611	0.835 0.835 0.886 0.934 0.934 0.934 0.934	rs10774624 rs10774624 rs7310615 rs3184504 rs3184504 rs3184504 rs3184504	iqb.took_meds_blood_thinners any_cvd high_blood_pressure iqb.ever_diagnosed_autoimmune jak2_v617f_cc mpn_narrow mpn_or_v617f	1.5×10^{-11} 2.6×10^{-7} 9.0×10^{-11} 1.8×10^{-13} 1.3×10^{-15} 3.6×10^{-8} 3.3×10^{-7} 1.0×10^{-13} 3.1×10^{-10} 6.1×10^{-9}	C12off23 FAM109A[]- SH2B3 FAM109A[]- SH2B3 [SH2B3] [SH2B3] [SH2B3] [SH2B3] [SH2B3] [SH2B3]	FALSE FALSE FALSE FALSE FALSE FALSE
12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12	111910219 111910219 111910219 111910219 111910219 111910219 111910219 111910219	rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625	4.1×10 ⁻⁵	-76431 -76431 -45170 -25611 -25611 -25611 -25611 -25611	0.835 0.835 0.886 0.934 0.934 0.934 0.934 0.934	rs10774624 rs10774624 rs7310615 rs3184504 rs3184504 rs3184504 rs3184504 rs3184504	iqb.took_meds_blood_thinners any_cvd high_blood_pressure iqb.ever_diagnosed_autoimmune jak2_v617f_cc mpn_narrow mpn_or_v617f tonsillectomy	1.5×10^{-11} 2.6×10^{-7} 9.0×10^{-11} 1.8×10^{-13} 1.3×10^{-15} 3.6×10^{-8} 3.3×10^{-7} 1.0×10^{-13} 3.1×10^{-10}	C12orf23 FAM109A[]- SH2B3 FAM109A[]- SH2B3 [SH2B3] [SH2B3] [SH2B3] [SH2B3] [SH2B3] [SH2B3] [SH2B3]	FALSE FALSE FALSE FALSE FALSE FALSE FALSE
12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12	111910219 111910219 111910219 111910219 111910219 111910219 111910219 111910219	rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625	4.1×10 ⁻⁵	-76431 -76431 -45170 -25611 -25611 -25611 -25611 -25611 -2788	0.835 0.835 0.886 0.934 0.934 0.934 0.934 0.934 1.000	rs10774624 rs10774624 rs7310615 rs3184504 rs3184504 rs3184504 rs3184504 rs3184504 rs3184504	iqb.took_meds_blood_thinners any_cvd high_blood_pressure iqb.ever_diagnosed_autoimmune jak2_v617f_cc mpn_narrow mpn_or_v617f tonsillectomy bmi	1.5×10^{-11} 2.6×10^{-7} 9.0×10^{-11} 1.8×10^{-13} 1.3×10^{-15} 3.6×10^{-8} 3.3×10^{-7} 1.0×10^{-13} 3.1×10^{-10} 6.1×10^{-9}	C12orf23 FAM109A[]- SH2B3 FAM109A[]- SH2B3 [SH2B3] [SH2B3] [SH2B3] [SH2B3] [SH2B3] [SH2B3] [SH2B3] [SH2B3] [SH2B3]	FALSE FALSE FALSE FALSE FALSE FALSE FALSE
12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12	111910219 111910219 111910219 111910219 111910219 111910219 111910219 111910219 111910219 111910219	rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625	4.1×10 ⁻⁵	-76431 -76431 -45170 -25611 -25611 -25611 -25611 -25611 -2788 0	0.835 0.835 0.886 0.934 0.934 0.934 0.934 0.934 1.000 1.000	rs10774624 rs10774624 rs7310615 rs3184504 rs3184504 rs3184504 rs3184504 rs3184504 rs3184504 rs3184504	iqb.took_meds_blood_thinners any_cvd high_blood_pressure iqb.ever_diagnosed_autoimmune jak2_v617f_cc mpn_narrow mpn_or_v617f tonsillectomy bmi any_animal_allergy	1.5×10 ⁻¹¹ 2.6×10 ⁻⁷ 9.0×10 ⁻¹¹ 1.8×10 ⁻¹³ 1.3×10 ⁻¹⁵ 3.6×10 ⁻⁸ 3.3×10 ⁻⁷ 1.0×10 ⁻¹³ 3.1×10 ⁻¹⁰ 6.1×10 ⁻⁹ 2.2×10 ⁻¹²	C120rf23 FAM109A[]- SH2B3 FAM109A[]- SH2B3 [SH2B3]	FALSE FALSE FALSE FALSE FALSE FALSE FALSE TRUE
12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12	111910219 111910219 111910219 111910219 111910219 111910219 111910219 111910219 111910219 111910219 111910219	rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625	4.1×10 ⁻⁵	-76431 -76431 -45170 -25611 -25611 -25611 -25611 -25611 -2788 0	0.835 0.835 0.886 0.934 0.934 0.934 0.934 1.000 1.000	rs10774624 rs10774624 rs7310615 rs3184504 rs3184504 rs3184504 rs3184504 rs3184504 rs3184504 rs3184504 rs35350651 rs10774625	iqb.took_meds_blood_thinners any_cvd high_blood_pressure iqb.ever_diagnosed_autoimmune jak2_v617f_cc mpn_narrow mpn_or_v617f tonsillectomy bmi any_animal_allergy blood_pressure_meds hypothyroidism	1.5×10 ⁻¹¹ 2.6×10 ⁻⁷ 9.0×10 ⁻¹¹ 1.8×10 ⁻¹³ 1.3×10 ⁻¹⁵ 3.6×10 ⁻⁸ 3.3×10 ⁻⁷ 1.0×10 ⁻¹³ 3.1×10 ⁻¹⁰ 6.1×10 ⁻⁹ 2.2×10 ⁻¹² 1.0×10 ⁻¹⁷	C120rf23 FAM109A[]- SH2B3 FAM109A[]- SH2B3 [SH2B3]	FALSE TRUE FALSE FALSE
12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12	111910219 111910219 111910219 111910219 111910219 111910219 111910219 111910219 111910219 111910219 111910219 111910219 111910219	rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625	4.1×10 ⁻⁵	-76431 -76431 -45170 -25611 -25611 -25611 -25611 -25611 -2788 0 0 63139	0.835 0.835 0.886 0.934 0.934 0.934 0.934 1.000 1.000 0.871	rs10774624 rs10774624 rs7310615 rs3184504 rs3184504 rs3184504 rs3184504 rs3184504 rs3184504 rs3184504 rs35350651 rs10774625 rs10774625 rs597808	iqb.took_meds_blood_thinners any_cvd high_blood_pressure iqb.ever_diagnosed_autoimmune jak2_v617f_cc mpn_narrow mpn_or_v617f tonsillectomy bmi any_animal_allergy blood_pressure_meds hypothyroidism rosacea_all	1.5×10 ⁻¹¹ 2.6×10 ⁻⁷ 9.0×10 ⁻¹¹ 1.8×10 ⁻¹³ 1.3×10 ⁻¹⁵ 3.6×10 ⁻⁸ 3.3×10 ⁻⁷ 1.0×10 ⁻¹³ 3.1×10 ⁻¹⁰ 6.1×10 ⁻⁹ 2.2×10 ⁻¹² 1.0×10 ⁻¹⁷ 1.4×10 ⁻²⁶ 6.3×10 ⁻⁸	C120rf23 FAM109A[]- SH2B3 FAM109A[]- SH2B3 [SH2B3] [ATXN2] [ATXN2] [ATXN2]	FALSE
12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12	111910219 111910219 111910219 111910219 111910219 111910219 111910219 111910219 111910219 111910219 111910219	rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625	4.1×10 ⁻⁵	-76431 -76431 -45170 -25611 -25611 -25611 -25611 -25611 -2788 0 0 63139	0.835 0.835 0.886 0.934 0.934 0.934 0.934 1.000 1.000 0.871	rs10774624 rs10774624 rs7310615 rs3184504 rs3184504 rs3184504 rs3184504 rs3184504 rs3184504 rs3184504 rs35350651 rs10774625	iqb.took_meds_blood_thinners any_cvd high_blood_pressure iqb.ever_diagnosed_autoimmune jak2_v617f_cc mpn_narrow mpn_or_v617f tonsillectomy bmi any_animal_allergy blood_pressure_meds hypothyroidism	1.5×10^{-11} 2.6×10^{-7} 9.0×10^{-11} 1.8×10^{-13} 1.3×10^{-15} 3.6×10^{-8} 3.3×10^{-7} 1.0×10^{-13} 3.1×10^{-10} 6.1×10^{-9} 2.2×10^{-12} 1.0×10^{-17} 1.4×10^{-26}	C120rf23 FAM109A[]- SH2B3 FAM109A[]- SH2B3 [SH2B3]	FALSE TRUE FALSE FALSE
12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12 12q24.12	111910219 111910219 111910219 111910219 111910219 111910219 111910219 111910219 111910219 111910219 111910219 111910219 111910219	rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625 rs10774625	4.1×10 ⁻⁵	-76431 -76431 -45170 -25611 -25611 -25611 -25611 -25611 -2788 0 0 63139 97537	0.835 0.835 0.886 0.934 0.934 0.934 0.934 1.000 1.000 0.871 0.933	rs10774624 rs10774624 rs7310615 rs3184504 rs3184504 rs3184504 rs3184504 rs3184504 rs3184504 rs3184504 rs35350651 rs10774625 rs10774625 rs597808	iqb.took_meds_blood_thinners any_cvd high_blood_pressure iqb.ever_diagnosed_autoimmune jak2_v617f_cc mpn_narrow mpn_or_v617f tonsillectomy bmi any_animal_allergy blood_pressure_meds hypothyroidism rosacea_all	1.5×10 ⁻¹¹ 2.6×10 ⁻⁷ 9.0×10 ⁻¹¹ 1.8×10 ⁻¹³ 1.3×10 ⁻¹⁵ 3.6×10 ⁻⁸ 3.3×10 ⁻⁷ 1.0×10 ⁻¹³ 3.1×10 ⁻¹⁰ 6.1×10 ⁻⁹ 2.2×10 ⁻¹² 1.0×10 ⁻¹⁷ 1.4×10 ⁻²⁶ 6.3×10 ⁻⁸	C120rf23 FAM109A[]- SH2B3 FAM109A[]- SH2B3 [SH2B3] [ATXN2] [ATXN2] [ATXN2]	FALSE

12q24.31	121363836	rs2649994	7.2×10 ⁻⁵	46842	0.639	rs66627474	any_plant_allergy	5.9×10^{-7}	SPPL3[]-HNF1A	TRUE
12a24.31	123771032	rs9739070	1.3×10 ⁻¹¹	-28340	0.661	rs63406760	any_animal_allergy	2.3×10 ⁻⁹	C12orf65[]- CDK2AP1	
	123771032		1.3×10 ⁻¹¹			rs63406760	any_plant_allergy	2.4×10 ⁻¹²	C12orf65[]- CDK2AP1	
									C12orf65[]-	
	123771032		1.3×10 ⁻¹¹ 8.1×10 ⁻¹¹			rs63406760	seasonal_allergies_broad	5.3×10 ⁻¹² 6.3×10 ⁻⁷	CDK2AP1	TDUE
	123817796				0.844	rs6576	any_food_allergy		[SETD8]	TRUE
	123817796		8.1×10 ⁻¹¹	75138	0.844	rs6576	dust_mites_allergy	4.6×10^{-10}	[SETD8]	TRUE
	123817796		8.1×10 ⁻¹¹		0.844	rs6576	mold_allergy	8.2×10 ⁻⁹	[SETD8]	TRUE
12q24.31	123817796	rs12316131	8.1×10^{-11}	75138	0.844	rs6576	height	1.4×10^{-17}	[SETD8] SLC25A15[]	FALSE
13q14.11	41582138	rs61962744	4.6×10 ⁻⁵	-98281	0.559	rs200638693	rosacea_dx	3.5×10^{-8}	ELF1 AKAP11[]	
13q14.11	42988546	rs7328203	1.6×10 ⁻⁷	-29413	0.688	rs58973023	iqb.dot_bone_loss	1.9×10 ⁻⁹	TNFSF11 AKAP11[]	FALSE
13q14.11	42988546	rs7328203	1.6×10 ⁻⁷	-22852	0.688	rs8001611	osteoporosis	2.9×10 ⁻⁸	TNFSF11 AKAP11[]	FALSE
13q14.11	42988546	rs7328203	1.6×10 ⁻⁷	-22852	0.688	rs8001611	osteoporosis_broad	8.9×10^{-12}	TNFSF11	FALSE
13q14.11	42988546	rs7328203	1.6×10 ⁻⁷	0	1.000	rs7328203	any_animal_allergy	1.0×10 ⁻⁹	AKAP11[] TNFSF11	TRUE
13q14.11	42988546	rs7328203	1.6×10 ⁻⁷	0	1.000	rs7328203	dust_mites_allergy	2.1×10 ⁻⁸	AKAP11[] TNFSF11	TRUE
13q14.11	42988546	rs7328203	1.6×10 ⁻⁷	0	1.000	rs7328203	seasonal_allergies_broad	2.4×10 ⁻⁹	AKAP11[] TNFSF11	TRUE
13q14.11	42988546	rs7328203	1.6×10 ⁻⁷	378	0.937	rs7327510	any_plant_allergy	7.2×10 ⁻¹⁰	AKAP11[] TNFSF11	TRUE
			4.6.40=7	0000		0500100		4.2.40=7	AKAP11[]	TD.1.
13q14.11		rs7328203	1.6×10 ⁻⁷			rs9533100	tonsillectomy	1.2×10 ⁻⁷	TNFSF11	TRUE
13q14.3	54002500		7.0×10 ⁻⁵	-17786		rs9527077	other_allergy_general	3.0×10 ⁻⁷	OLFM4[]	TRUE
13q14.3		rs967302	7.0×10 ⁻⁵	46989	0.739	rs17574479	any_immune	3.5×10^{-7}	OLFM4[]	TRUE
13q21.32	67798928		2.9×10 ⁻⁶			rs71427643	any_plant_allergy	3.3×10^{-7}	[PCDH9]	TRUE
13q21.32	67798928	rs700329	2.9×10^{-6}	-10149	1.000	rs9317655	seasonal_allergies_broad	3.9×10^{-7}	[PCDH9]	TRUE
13q22.1	73649152	rs45597035	6.2×10 ⁻⁵	0	1.000	rs45597035	dust_mites_allergy	9.2×10^{-7}	[KLF5]	TRUE
13q32.3	100087719	rs9300546	4.6×10 ⁻⁵	-14054	0.854	rs6491500	dust_mites_allergy	1.3×10 ⁻⁷	UBAC2[] TM9SF2	TRUE
14q21.1	38058622	rs3832946	1.1×10 ⁻⁵	-33524	0.663	rs148131694	tonsillectomy	7.8×10 ⁻¹³	MIPOL1-[] FOXA1	
14q21.1		rs61977073	3.5×10^{-10}	-58841		rs464306	any_animal_allergy	1.3×10^{-11}	FOXA1[]TTC6	TRUE
14q21.1		rs61977073	3.5×10 ⁻¹⁰	-23380		rs9671863	any_plant_allergy	1.3×10 ⁻⁹	FOXA1[]TTC6	TRUE
14q21.1		rs61977073	3.5×10 ⁻¹⁰			rs61977073	seasonal_allergies_broad	4.7×10 ⁻¹¹	FOXA1[]TTC6	TRUE
14q21.1		rs61977073	3.5×10 ⁻¹⁰			rs1022804	dust_mites_allergy	2.1×10 ⁻⁷	FOXA1[]TTC6	TRUE
14q32.2		rs4905754	1.3×10 ⁻⁵			rs11851619	any_plant_allergy	8.4×10 ⁻⁷	[]-C14orf177	TRUE
14q32.2		rs4905754	1.3×10 ⁻⁵			rs61981314	dust_mites_allergy	8.3×10 ⁻⁷	[]-C14orf177	TRUE
15q15.1		rs11855854	3.4×10 ⁻⁵	16079		rs13329237	height	7.5×10 ⁻¹¹	INO80[]EXD1	FALSE
15q15.1 15q15.1		rs28374715	1.2×10 ⁻⁵			rs369676616		5.1×10 ⁻⁷	[CHP1]	IALSL
		rs111421683	3.2×10^{-7}			rs111421683	poison_oak	2.0×10 ⁻⁷		TRUE
15q15.1			3.2×10 ⁻⁷			rs12440111	any_animal_allergy	4.3×10 ⁻⁷	[RTF1]	
15q15.1		rs111421683 rs111421683	3.2×10 ⁻⁷			rs12440111	dust_mites_allergy	8.4×10 ⁻⁹	RTF1-[]-ITPKA	TRUE TRUE
15q15.1							insect_allergy		RTF1-[]-ITPKA	IKUE
15q22.2		rs36042015	3.5×10 ⁻⁷			rs10519068	any_asthma	3.8×10 ⁻¹¹	RORA[]	
15q22.2		rs36042015	3.5×10 ⁻⁷			rs200066091	iqb.took_meds_asthma_or_lung	1.6×10 ⁻¹⁰	RORA[]	
15q22.2		rs36042015	3.5×10^{-7}			rs36042015	any_animal_allergy	2.4×10 ⁻¹¹	RORA[]	TRUE
15q22.2		rs36042015	3.5×10 ⁻⁷			rs36042015	dust_mites_allergy	2.2×10 ⁻⁷	RORA[]	TRUE
15q22.33		rs12592283	3.3×10 ⁻⁷			rs12592283	seasonal_allergies_broad	1.8×10 ⁻⁸	[SMAD3]	TRUE
15q22.33		rs17294280	3.6×10 ⁻⁸			rs72743461	juvenile_asthma	8.9×10^{-7}	[SMAD3]	TRUE
15q22.33		rs17294280	3.6×10 ⁻⁸	-25689		rs17293632	allergic_asthma	6.2×10 ⁻⁹	[SMAD3]	TRUE
15q22.33		rs17294280				rs17293632	hayfever_all	5.6×10^{-13}	[SMAD3]	TRUE
15q22.33	67468285	rs17294280		-25689	0.709	rs17293632	iqb.took_meds_asthma_or_lung	4.8×10 ⁻²¹	[SMAD3]	TRUE
15q22.33	67468285	rs17294280	3.6×10^{-8}	-25689	0.709	rs17293632	juvenile_allergic_asthma	7.3×10^{-12}	[SMAD3]	TRUE
15q22.33	67468285	rs17294280	3.6×10^{-8}	-19922	0.695	rs56375023	any_asthma	2.4×10^{-21}	[SMAD3]	TRUE
15q22.33	67468285	rs17294280	3.6×10^{-8}	-17980	0.702	rs17228058	thyroid_cancer	5.0×10^{-10}	[SMAD3]	TRUE
15q22.33	67468285	rs17294280	3.6×10^{-8}	-3994	0.786	rs72743477	any_food_allergy	2.2×10^{-8}	[SMAD3]	TRUE
15q22.33	67468285	rs17294280	3.6×10^{-8}	0	1.000	rs17294280	any_animal_allergy	5.2×10^{-13}	[SMAD3]	TRUE
15q22.33	67468285	rs17294280	3.6×10^{-8}	0	1.000	rs17294280	any_plant_allergy	1.6×10^{-9}	[SMAD3]	TRUE
15q22.33	67468285	rs17294280	3.6×10^{-8}	0	1.000	rs17294280	dust_mites_allergy	2.2×10^{-9}	[SMAD3]	TRUE
15q22.33	67468285	rs17294280	3.6×10^{-8}		1.000	rs17294280	mold_allergy	2.2×10^{-8}	[SMAD3]	TRUE
16p13.13		rs2110605	7.3×10^{-14}			rs71404439	iqb.shampoo_type	5.9×10^{-10}	[CLEC16A]	
16p13.13		rs2110605	7.3×10^{-14}			rs7197754	mold_allergy	1.4×10^{-10}	[CLEC16A]	TRUE
16p13.13		rs111306289	2.8×10^{-13}	-34074	0.609	rs887864	severe_acne	5.7×10^{-11}	[CLEC16A]	
16p13.13		rs111306289	2.8×10 ⁻¹³			rs725613	iqb.acne_as_teenager	3.5×10^{-15}	[CLEC16A]	
16p13.13		rs2110605	7.3×10 ⁻¹⁴			rs9941107	sulfa_drug_allergy	3.3×10 ⁻⁸	[CLEC16A]	TRUE
16p13.13	11206463		7.3×10 ⁻¹⁴			rs998592	any_drug_allergy	1.7×10 ⁻¹¹	[CLEC16A]	TRUE
16p13.13		rs11644510	1.5×10 ⁻¹⁶			rs62026377	other_animal_allergy	7.0×10 ⁻⁷	[CLEC16A]	TRUE
16p13.13	11244658		4.6×10 ⁻⁶			rs2041733	eczema	9.2×10 ⁻¹²	[CLEC16A]	TRUE
16p13.13		rs11644510	1.5×10 ⁻¹⁶			rs7203459	any_asthma	3.5×10^{-15}	[CLEC16A]	TRUE
16p13.13		rs11644510	1.5×10 ⁻¹⁶			rs7203459	iqb.took_meds_asthma_or_lung	4.6×10^{-14}	[CLEC16A]	TRUE
16p13.13		rs111306289	2.8×10 ⁻¹³			rs2867880	allergic_asthma	2.6×10 ⁻⁸	[CLEC16A]	INOL
16p13.13		rs11644510	1.5×10 ⁻¹⁶			rs11644510	any_animal_allergy	2.7×10 ⁻¹⁷	CLEC16A-[] SOCS1	TRUE
•			1.5×10 ⁻¹⁶					2.5×10 ⁻¹⁰	CLEC16A-[]	
16p13.13		rs11644510				rs11644510	any_food_allergy		SOCS1 CLEC16A-[]	TRUE
16p13.13		rs11644510	1.5×10 ⁻¹⁶			rs11644510	any_immune	4.7×10 ⁻⁷	SOCS1 CLEC16A-[]	TRUE
16p13.13		rs11644510	1.5×10 ⁻¹⁶			rs11644510	any_plant_allergy	3.6×10 ⁻¹³	SOCS1 CLEC16A-[]	TRUE
16p13.13		rs11644510	1.5×10 ⁻¹⁶			rs11644510	dust_mites_allergy	2.3×10 ⁻¹²	SOCS1 CLEC16A-[]	TRUE
16p13.13		rs11644510	1.5×10 ⁻¹⁶			rs11644510	hayfever_all	1.8×10 ⁻¹³	SOCS1 CLEC16A-[]	TRUE
16p13.13		rs11644510	1.5×10^{-16} 1.5×10^{-16}			rs11644510	seasonal_allergies_broad	1.1×10^{-16} 1.6×10^{-7}	SOCS1 CLEC16A-[]	TRUE
16p13.13	11277358	rs11644510	1.3×10 -0	2273	0.593	rs28534539	juvenile_allergic_asthma	1.0×10 '	SOCS1 CLEC16A[]	TRUE
16p13.13	11295972	rs37940	9.0×10 ⁻⁶	0	1.000	rs37940	other_plant_allergy	4.0×10 ⁻⁷	SOCS1	TRUE

16p12.1	27403469	rs1119132	1.0×10 ⁻⁵	10909	0.848	rs6498021	any_animal_allergy	8.4×10^{-10}	IL4R[]IL21R	TRUE
16p11.2	28347140	rs2726036	1.8×10 ⁻⁶	-9101	0.742	rs2726033	obesity	3.0×10 ⁻⁷	SBK1-[]NPIPL1	FALSE
16p11.2	28565953		4.5×10 ⁻⁷			rs137892064	-	2.3×10 ⁻⁷	[NPIPL1]	TRUE
			3.8×10 ⁻⁷				any_food_allergy	_		
16p11.2		rs56396270				rs149299	heart_metabolic_disease	2.1×10 ⁻⁷	[NPIPL1]	FALSE
16p11.2	28620572		9.2×10 ⁻⁸			rs189278832	iqb.stretch_marks	7.3×10 ⁻¹¹	[NPIPL1]	FALSE
16p11.2	28620572		9.2×10 ⁻⁸			rs189278832	stretch_marks_any	7.8×10 ⁻¹¹	[NPIPL1]	FALSE
16p11.2	28620572	rs750155	9.2×10 ⁻⁸			rs231976	mosquito_severe	1.7×10 ⁻⁷	[NPIPL1]	TRUE
16p11.2	28620572	rs750155	9.2×10^{-8}	-13040	0.512	rs4115668	any_plant_allergy	3.8×10^{-8}	[NPIPL1,SULT1A2]	TRUE
16p11.2	28608341	rs762633	3.2×10^{-7}	9547	0.675	rs74459546	stretch_marks_qtl	1.0×10^{-8}	[NPIPL1,SULT1A1]	FALSE
16p11.2	28620572	rs750155	9.2×10^{-8}	0	1.000	rs750155	seasonal_allergies_broad	6.1×10^{-8}	[NPIPL1,SULT1A1]	TRUE
16p11.2	28913787	rs7189927	2.4×10^{-7}	-47871	0.846	rs7187333	bmi	2.6×10^{-17}	[NPIPL1]	FALSE
16p11.2	28913787		2.4×10^{-7}			rs199766562	weight	9.6×10^{-21}	[NPIPL1]	
16p11.2	28913787		2.4×10^{-7}	-14994		rs6565259	iqb.ingrown_hair_bumps	1.4×10 ⁻⁷	[NPIPL1,ATP2A1]	FALSE
16p11.2	28913787		2.4×10 ⁻⁷	5554		rs7206214	shoe_size_normalized	5.5×10 ⁻¹¹	[NPIPL1,RABEP2]	FALSE
10011.2	20313707	13/10/32/	2.4710	3334	0.500	13/200214	3110e_312e_1101111dit2ed	3.3×10	ADAMTS18[]	IALSL
16q23.1	77506441	rs2199534	7.0×10 ⁻⁵	-3837	0.585	rs2220809	iqb.acne_as_teenager	1.8×10^{-8}	NUDT7	TRUE
17p13.3	2481492	rs140600009	2.6×10 ⁻⁵	50780	0.611	rs1266472	seasonal_allergies_broad	1.0×10^{-7}	[PAFAH1B1]	TRUE
17p13.2		rs34210653	1.6×10 ⁻⁶			rs34210653	any_animal_allergy	1.3×10^{-10}	[ALOX15]	TRUE
17p13.2		rs34210653	1.6×10 ⁻⁶			rs34210653	seasonal_allergies_broad	5.6×10 ⁻⁷	[ALOX15]	TRUE
17p13.1		rs67486302	2.2×10 ⁻⁵			rs55785967	height	2.6×10 ⁻²⁰	CHRNB1[]-ZBTB4	
17p13.1 17p13.1		rs11078680	1.1×10 ⁻⁵			rs7209131	_	4.3×10 ⁻⁹	[ZBTB4]	TRUE
•			1.1×10 ⁻⁵			rs8076642	myopia_v_hyperopia	1.6×10 ⁻⁸		
17p13.1	7380428	rs11078680	1.1×10 -	-2444	0.940	1580/0042	glasses_any	1.6×10 -	[ZBTB4] POLR2A[]	FALSE
17p13.1	7386428	rs11078680	1.1×10^{-5}	42893	0.767	rs11658305	nearsightedness	7.9×10^{-15}		FALSE
17p12		rs56142648	9.8×10 ⁻⁶			rs9897249	any_plant_allergy	9.8×10 ⁻⁷	[SHISA6]	TRUE
17p12		rs56142648	9.8×10 ⁻⁶			rs9897249	seasonal_allergies_broad	4.4×10 ⁻⁷	[SHISA6]	TRUE
17p12		rs9303035	6.5×10 ⁻⁵	764		rs8066969	depression anxiety meds	3.9×10 ⁻⁷	[SHISA6]	TRUE
•	37829570		7.9×10 ⁻⁶			rs2952155	chronic_bronchitis	4.9×10 ⁻¹⁰	[ERBB2]	TRUE
17q12			2.6×10 ⁻¹³			rs4795393		5.3×10 ⁻⁷		
17q12		rs12946510					crohns_or_ulcerative_colitis		MIEN1-[]-GRB7	FALSE
17q12	38067020		2.8×10^{-15}			rs11655198	any_asthma	1.0×10^{-63}	[ZPBP2]	TRUE
17q12	38067020		2.8×10 ⁻¹⁵			rs12939457	any_plant_allergy	1.6×10 ⁻¹²	[ZPBP2]	TRUE
17q12		rs4795400	2.8×10 ⁻¹⁵	-34832		rs12939457	hayfever_all	1.7×10 ⁻¹⁹	[ZPBP2]	TRUE
17q12	38067020	rs4795400	2.8×10^{-15}	-4078	0.922	rs35196450	any_food_allergy	9.8×10^{-8}	[GSDMB]	
17q12	38067020	rs4795400	2.8×10^{-15}	-4078	0.922	rs35196450	mold_allergy	2.8×10^{-12}	[GSDMB]	
17q12	38067020	rs4795400	2.8×10^{-15}	-4078	0.922	rs35196450	seasonal_allergies_broad	1.5×10^{-14}	[GSDMB]	
17q12	38062943	17:38062943:CA_C	5.5×10^{-15}	0	1.000	17:38062943:CA_C	igb.took_meds_asthma_or_lung	1.2×10^{-36}	[GSDMB]	TRUE
17q12	38062943	17:38062943:CA_C	5.5×10^{-15}	0	1.000	17:38062943:CA_C	juvenile_allergic_asthma	2.5×10^{-32}	[GSDMB]	TRUE
17q12	38062943	17:38062943:CA C	5.5×10^{-15}	0	1.000	17:38062943:CA C	tree_nuts_allergy	6.2×10^{-8}	[GSDMB]	TRUE
17q12	38067020	_	2.8×10^{-15}			rs2290400	juvenile_asthma	1.0×10^{-28}	[GSDMB]	TRUE
17q12	38067020		2.8×10^{-15}			rs869402	allergic_asthma	2.5×10 ⁻²³	[GSDMB]	TRUE
17q12	38067020		2.8×10 ⁻¹⁵			rs1011082	any_animal_allergy	4.1×10^{-19}	[GSDMB]	TRUE
17q12	38067020		2.8×10 ⁻¹⁵			rs9303279	dust_mites_allergy	4.9×10 ⁻¹⁵	[GSDMB]	TRUE
•	38121993		1.5×10 ⁻¹⁰			rs5820312		1.5×10 ⁻⁸	[GSDMA]	INUL
17q21.1	36121993	153694194	1.5×10	1251	0.///	183820312	nonallergic_asthma	1.5×10 -	B4GALNT2[]-	
17q21.32	47328183	rs28397663	4.3×10^{-8}	-47882	0.578	rs4794029	nearsightedness	1.0×10^{-8}	GNGT2	FALSE
4									PHOSPHO1[]-	
17q21.32	47328183	rs28397663	4.3×10^{-8}	-7765	0.620	rs36006455	glasses_any	5.4×10^{-7}	FLJ40194	FALSE
17q21.32	47328183	rs28397663	4.3×10^{-8}	0	1.000	rs28397663	dust_mites_allergy	5.9×10^{-7}	[FLJ40194]	TRUE
17q21.32	47328183	rs28397663	4.3×10^{-8}	0	1.000	rs28397663	seasonal_allergies_broad	4.2×10^{-7}	[FLJ40194]	TRUE
17q21.32	47328183	rs28397663	4.3×10^{-8}	76445		rs62076439	any_animal_allergy	2.0×10^{-10}	[ZNF652]	TRUE
17q21.32	47328183	rs28397663	4.3×10^{-8}	76445	0.889	rs62076439	any_asthma	5.1×10^{-7}	[ZNF652]	TRUE
17q21.33		rs202005205	2.4×10 ⁻⁶	-16621		rs12937923	iqb.excess_hair	5.6×10 ⁻⁸	[ZNF652]	
17q21.32		rs28397663	4.3×10 ⁻⁸			rs35073649	any cvd	1.5×10 ⁻⁹	[ZNF652]	TRUE
17q21.33		17:47444572:A_AGC	3.5×10 ⁻⁵			17:47444572:A_AGC	blood_pressure_meds	4.1×10 ⁻¹⁰	ZNF652-[]PHB	TRUE
17q21.33 17q21.33			3.3 ^ 10	U				4.1 ^ 10		TRUE
17q21.33 17q23.3		17·47444572·A ACC	3 5 ~ 10 - 5	Λ		17.4744372.A_AGC		1 1 × 10 – 10	7NE652-[1DHR	INUL
		17:47444572:A_AGC	3.5×10^{-5}			rc2727247	high_blood_pressure	4.4×10 ⁻¹⁰	ZNF652-[]PHB	TDIJE
	61979122	rs2665820	3.5×10 ⁻⁵ 8.7×10 ⁻⁵	3	0.995	rs2727347	penicillin_allergy	3.8×10^{-7}	CSH1-[]-CSHL1	TRUE
17q24.2	61979122 66015108	rs2665820 rs201402027	3.5×10^{-5} 8.7×10^{-5} 2.6×10^{-5}	3 -67468	0.995 0.515	rs12449442	penicillin_allergy weight	3.8×10 ⁻⁷ 4.6×10 ⁻⁷	CSH1-[]-CSHL1 [BPTF]	
17q24.2 19p13.3	61979122 66015108 1162376	rs2665820 rs201402027 rs11084888	3.5×10 ⁻⁵ 8.7×10 ⁻⁵ 2.6×10 ⁻⁵ 9.6×10 ⁻⁶	3 -67468 -2199	0.995 0.515 0.716	rs12449442 rs60634368	penicillin_allergy weight height	3.8×10 ⁻⁷ 4.6×10 ⁻⁷ 2.9×10 ⁻⁷	CSH1-[]-CSHL1 [BPTF] [SBNO2]	TRUE FALSE
17q24.2 19p13.3 19p13.3	61979122 66015108 1162376 1162376	rs2665820 rs201402027 rs11084888 rs11084888	3.5×10 ⁻⁵ 8.7×10 ⁻⁵ 2.6×10 ⁻⁵ 9.6×10 ⁻⁶ 9.6×10 ⁻⁶	3 -67468 -2199 4236	0.995 0.515 0.716 0.891	rs12449442 rs60634368 rs201183181	penicillin_allergy weight height any_plant_allergy	3.8×10 ⁻⁷ 4.6×10 ⁻⁷ 2.9×10 ⁻⁷ 2.3×10 ⁻⁷	CSH1-[]-CSHL1 [BPTF] [SBNO2] [SBNO2]	
17q24.2 19p13.3 19p13.3 19p13.3	61979122 66015108 1162376 1162376 1162376	rs2665820 rs201402027 rs11084888 rs11084888 rs11084888	3.5×10 ⁻⁵ 8.7×10 ⁻⁵ 2.6×10 ⁻⁵ 9.6×10 ⁻⁶ 9.6×10 ⁻⁶	3 -67468 -2199 4236 4236	0.995 0.515 0.716 0.891 0.891	rs12449442 rs60634368 rs201183181 rs201183181	penicillin_allergy weight height any_plant_allergy hayfever_all	3.8×10 ⁻⁷ 4.6×10 ⁻⁷ 2.9×10 ⁻⁷ 2.3×10 ⁻⁷ 5.4×10 ⁻⁷	CSH1-[]-CSHL1 [BPTF] [SBNO2] [SBNO2] [SBNO2]	FALSE
17q24.2 19p13.3 19p13.3 19p13.3 19p13.3	61979122 66015108 1162376 1162376 1162376 1219553	rs2665820 rs201402027 rs11084888 rs11084888 rs11084888 rs11084889	3.5×10 ⁻⁵ 8.7×10 ⁻⁵ 2.6×10 ⁻⁵ 9.6×10 ⁻⁶ 9.6×10 ⁻⁶ 9.6×10 ⁻⁶ 4.9×10 ⁻⁵	3 -67468 -2199 4236 4236 -15336	0.995 0.515 0.716 0.891 0.891 0.906	rs12449442 rs60634368 rs201183181 rs201183181 rs7254997	penicillin_allergy weight height any_plant_allergy hayfever_all insect_allergy	3.8×10 ⁻⁷ 4.6×10 ⁻⁷ 2.9×10 ⁻⁷ 2.3×10 ⁻⁷ 5.4×10 ⁻⁷ 3.9×10 ⁻⁷	CSH1-[]-CSHL1 [BPTF] [SBNO2] [SBNO2] [SBNO2] SBNO2[]-STK11	FALSE TRUE
17q24.2 19p13.3 19p13.3 19p13.3	61979122 66015108 1162376 1162376 1162376 1219553	rs2665820 rs201402027 rs11084888 rs11084888 rs11084888	3.5×10 ⁻⁵ 8.7×10 ⁻⁵ 2.6×10 ⁻⁵ 9.6×10 ⁻⁶ 9.6×10 ⁻⁶	3 -67468 -2199 4236 4236 -15336	0.995 0.515 0.716 0.891 0.891 0.906	rs12449442 rs60634368 rs201183181 rs201183181	penicillin_allergy weight height any_plant_allergy hayfever_all	3.8×10 ⁻⁷ 4.6×10 ⁻⁷ 2.9×10 ⁻⁷ 2.3×10 ⁻⁷ 5.4×10 ⁻⁷	CSH1-[]-CSHL1 [BPTF] [SBNO2] [SBNO2] [SBNO2] SBNO2[]-STK11 [STK11]	FALSE
17q24.2 19p13.3 19p13.3 19p13.3 19p13.3 19p13.3	61979122 66015108 1162376 1162376 1162376 1219553 1219553	rs2665820 rs201402027 rs11084888 rs11084888 rs11084888 rs11084889 rs11084889	3.5×10 ⁻⁵ 8.7×10 ⁻⁵ 2.6×10 ⁻⁵ 9.6×10 ⁻⁶ 9.6×10 ⁻⁶ 4.9×10 ⁻⁵ 4.9×10 ⁻⁵	3 -67468 -2199 4236 4236 -15336 -11481	0.995 0.515 0.716 0.891 0.891 0.906 0.937	rs12449442 rs60634368 rs201183181 rs201183181 rs7254997 rs7256801	penicillin_allergy weight height any_plant_allergy hayfever_all insect_allergy any_animal_allergy	3.8×10 ⁻⁷ 4.6×10 ⁻⁷ 2.9×10 ⁻⁷ 2.3×10 ⁻⁷ 5.4×10 ⁻⁷ 3.9×10 ⁻⁷ 7.6×10 ⁻⁷	CSH1-[]-CSHL1 [BPTF] [SBN02] [SBN02] [SBN02] SBN02[]-STK11 [STK11] ARRDC2[]	TRUE TRUE
17q24.2 19p13.3 19p13.3 19p13.3 19p13.3	61979122 66015108 1162376 1162376 1162376 1219553 1219553	rs2665820 rs201402027 rs11084888 rs11084888 rs11084888 rs11084889	3.5×10 ⁻⁵ 8.7×10 ⁻⁵ 2.6×10 ⁻⁵ 9.6×10 ⁻⁶ 9.6×10 ⁻⁶ 9.6×10 ⁻⁶ 4.9×10 ⁻⁵	3 -67468 -2199 4236 4236 -15336 -11481	0.995 0.515 0.716 0.891 0.891 0.906 0.937	rs12449442 rs60634368 rs201183181 rs201183181 rs7254997	penicillin_allergy weight height any_plant_allergy hayfever_all insect_allergy	3.8×10 ⁻⁷ 4.6×10 ⁻⁷ 2.9×10 ⁻⁷ 2.3×10 ⁻⁷ 5.4×10 ⁻⁷ 3.9×10 ⁻⁷	CSH1-[]-CSHL1 [BPTF] [SBN02] [SBN02] [SBN02] SBN02[]-STK11 [STK11] ARRDC2[] IL12RB1	FALSE TRUE
17q24.2 19p13.3 19p13.3 19p13.3 19p13.3 19p13.3	61979122 66015108 1162376 1162376 1162376 1219553 1219553 18125240	rs2665820 rs201402027 rs11084888 rs11084888 rs11084888 rs11084889 rs11084889	3.5×10 ⁻⁵ 8.7×10 ⁻⁵ 2.6×10 ⁻⁶ 9.6×10 ⁻⁶ 9.6×10 ⁻⁶ 4.9×10 ⁻⁵ 4.9×10 ⁻⁵	3 -67468 -2199 4236 4236 -15336 -11481 456	0.995 0.515 0.716 0.891 0.891 0.906 0.937	rs12449442 rs60634368 rs201183181 rs201183181 rs7254997 rs7256801	penicillin_allergy weight height any_plant_allergy hayfever_all insect_allergy any_animal_allergy iqb.sweat_during_workout	3.8×10 ⁻⁷ 4.6×10 ⁻⁷ 2.9×10 ⁻⁷ 2.3×10 ⁻⁷ 5.4×10 ⁻⁷ 3.9×10 ⁻⁷ 7.6×10 ⁻⁷	CSH1-[]-CSHL1 [BPTF] [SBN02] [SBN02] [SBN02] SBN02[]-STK11 [STK11] ARRDC2[] IL12RB1 SLC7A10-[]	TRUE TRUE FALSE
17q24.2 19p13.3 19p13.3 19p13.3 19p13.3 19p13.3 19p13.11	61979122 66015108 1162376 1162376 1162376 1219553 1219553 18125240 33721455	rs2665820 rs201402027 rs11084888 rs11084888 rs11084888 rs11084889 rs11084889 rs73026614 rs10414065	3.5×10 ⁻⁵ 8.7×10 ⁻⁵ 2.6×10 ⁻⁶ 9.6×10 ⁻⁶ 9.6×10 ⁻⁶ 4.9×10 ⁻⁵ 4.9×10 ⁻⁵ 1.9×10 ⁻⁵	3 -67468 -2199 4236 4236 -15336 -11481 456	0.995 0.515 0.716 0.891 0.891 0.906 0.937 0.575	rs12449442 rs60634368 rs201183181 rs201183181 rs7254997 rs7256801 rs437940 rs10414065	penicillin_allergy weight height any_plant_allergy hayfever_all insect_allergy any_animal_allergy	3.8×10 ⁻⁷ 4.6×10 ⁻⁷ 2.9×10 ⁻⁷ 2.3×10 ⁻⁷ 5.4×10 ⁻⁷ 3.9×10 ⁻⁷ 7.6×10 ⁻⁷ 1.1×10 ⁻⁷ 6.1×10 ⁻¹¹	CSH1-[]-CSHL1 [BPTF] [SBN02] [SBN02] [SBN02] SBN02[]-STK11 [STK11] ARRDC2[] IL12RB1	TRUE TRUE FALSE TRUE
17q24.2 19p13.3 19p13.3 19p13.3 19p13.3 19p13.3	61979122 66015108 1162376 1162376 1162376 1219553 1219553 18125240 33721455	rs2665820 rs201402027 rs11084888 rs11084888 rs11084888 rs11084889 rs11084889	3.5×10 ⁻⁵ 8.7×10 ⁻⁵ 2.6×10 ⁻⁶ 9.6×10 ⁻⁶ 9.6×10 ⁻⁶ 4.9×10 ⁻⁵ 4.9×10 ⁻⁵	3 -67468 -2199 4236 4236 -15336 -11481 456	0.995 0.515 0.716 0.891 0.891 0.906 0.937 0.575	rs12449442 rs60634368 rs201183181 rs201183181 rs7254997 rs7256801 rs437940	penicillin_allergy weight height any_plant_allergy hayfever_all insect_allergy any_animal_allergy iqb.sweat_during_workout	3.8×10 ⁻⁷ 4.6×10 ⁻⁷ 2.9×10 ⁻⁷ 2.3×10 ⁻⁷ 5.4×10 ⁻⁷ 3.9×10 ⁻⁷ 7.6×10 ⁻⁷	CSH1-[]-CSHL1 [BPTF] [SBN02] [SBN02] [SBN02-] SBN02[]-STK11 [STK11] ARRDC2[] IL12RB1 SLC7A10-[] CEBPA SLC7A10-[] CEBPA	TRUE TRUE FALSE
17q24.2 19p13.3 19p13.3 19p13.3 19p13.3 19p13.3 19p13.11 19q13.11	61979122 66015108 1162376 1162376 1162376 1219553 1219553 18125240 33721455	rs2665820 rs201402027 rs11084888 rs11084888 rs11084888 rs11084889 rs11084889 rs73026614 rs10414065	3.5×10 ⁻⁵ 8.7×10 ⁻⁵ 2.6×10 ⁻⁶ 9.6×10 ⁻⁶ 9.6×10 ⁻⁶ 4.9×10 ⁻⁵ 4.9×10 ⁻⁵ 1.9×10 ⁻⁵	3 -67468 -2199 4236 4236 -15336 -11481 456 0	0.995 0.515 0.716 0.891 0.891 0.906 0.937 0.575 1.000	rs12449442 rs60634368 rs201183181 rs201183181 rs7254997 rs7256801 rs437940 rs10414065	penicillin_allergy weight height any_plant_allergy hayfever_all insect_allergy any_animal_allergy iqb.sweat_during_workout any_animal_allergy any_food_allergy	3.8×10 ⁻⁷ 4.6×10 ⁻⁷ 2.9×10 ⁻⁷ 2.3×10 ⁻⁷ 5.4×10 ⁻⁷ 3.9×10 ⁻⁷ 7.6×10 ⁻⁷ 1.1×10 ⁻⁷ 6.1×10 ⁻¹¹ 4.3×10 ⁻⁸	CSH1-[]-CSHL1 [BPTF] [SBN02] [SBN02] [SBN02] [STK11] ARRDC2[] IL12RB1 SLC7A10-[] CEBPA SLC7A10-[] CEBPA SLC7A10-[]	TRUE TRUE FALSE TRUE TRUE
17q24.2 19p13.3 19p13.3 19p13.3 19p13.3 19p13.3 19p13.11	61979122 66015108 1162376 1162376 1162376 1219553 1219553 18125240 33721455	rs2665820 rs201402027 rs11084888 rs11084888 rs11084888 rs11084889 rs11084889 rs73026614 rs10414065	3.5×10 ⁻⁵ 8.7×10 ⁻⁵ 2.6×10 ⁻⁶ 9.6×10 ⁻⁶ 9.6×10 ⁻⁶ 4.9×10 ⁻⁵ 4.9×10 ⁻⁵ 1.9×10 ⁻⁵	3 -67468 -2199 4236 4236 -15336 -11481 456 0	0.995 0.515 0.716 0.891 0.891 0.906 0.937 0.575 1.000	rs12449442 rs60634368 rs201183181 rs201183181 rs7254997 rs7256801 rs437940 rs10414065	penicillin_allergy weight height any_plant_allergy hayfever_all insect_allergy any_animal_allergy iqb.sweat_during_workout any_animal_allergy	3.8×10 ⁻⁷ 4.6×10 ⁻⁷ 2.9×10 ⁻⁷ 2.3×10 ⁻⁷ 5.4×10 ⁻⁷ 3.9×10 ⁻⁷ 7.6×10 ⁻⁷ 1.1×10 ⁻⁷ 6.1×10 ⁻¹¹	CSH1-[]-CSHL1 [BPTF] [SBN02] [SBN02] [SBN02-] [SBN02[]-STK11 [STK11] ARRDC2[] IL12RB1 SLC7A10-[] CEBPA SLC7A10-[] CEBPA SLC7A10-[] CEBPA	TRUE TRUE FALSE TRUE
17q24.2 19p13.3 19p13.3 19p13.3 19p13.3 19p13.3 19p13.11 19q13.11 19q13.11	61979122 66015108 1162376 1162376 1162375 1219553 1219553 18125240 33721455 33721455	rs2665820 rs201402027 rs11084888 rs11084888 rs11084888 rs11084889 rs11084889 rs73026614 rs10414065 rs10414065	3.5×10 ⁻⁵ 8.7×10 ⁻⁵ 2.6×10 ⁻⁵ 9.6×10 ⁻⁶ 9.6×10 ⁻⁶ 9.6×10 ⁻⁶ 4.9×10 ⁻⁵ 4.9×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁵	3 -67468 -2199 4236 4236 -15336 -11481 456 0	0.995 0.515 0.716 0.891 0.891 0.906 0.937 0.575 1.000 1.000	rs12449442 rs60634368 rs201183181 rs201183181 rs7254997 rs7256801 rs437940 rs10414065 rs10414065	penicillin_allergy weight height any_plant_allergy hayfever_all insect_allergy any_animal_allergy iqb.sweat_during_workout any_animal_allergy any_food_allergy dust_mites_allergy	3.8×10 ⁻⁷ 4.6×10 ⁻⁷ 2.9×10 ⁻⁷ 2.3×10 ⁻⁷ 5.4×10 ⁻⁷ 3.9×10 ⁻⁷ 7.6×10 ⁻⁷ 1.1×10 ⁻⁷ 6.1×10 ⁻¹¹ 4.3×10 ⁻⁸ 3.5×10 ⁻⁸	CSH1-[]-CSHL1 [BPTF] [SBN02] [SBN02] [SBN02-]]-STK11 [STK11] ARRDC2[] IL12RB1 SLC7A10-[] CEBPA SLC7A10-[] CEBPA SLC7A10-[] CEBPA SLC7A10-[]	TRUE TRUE FALSE TRUE TRUE TRUE
17q24.2 19p13.3 19p13.3 19p13.3 19p13.3 19p13.3 19p13.11 19q13.11	61979122 66015108 1162376 1162376 1162375 1219553 1219553 18125240 33721455 33721455	rs2665820 rs201402027 rs11084888 rs11084888 rs11084888 rs11084889 rs11084889 rs73026614 rs10414065	3.5×10 ⁻⁵ 8.7×10 ⁻⁵ 2.6×10 ⁻⁶ 9.6×10 ⁻⁶ 9.6×10 ⁻⁶ 4.9×10 ⁻⁵ 4.9×10 ⁻⁵ 1.9×10 ⁻⁵	3 -67468 -2199 4236 4236 -15336 -11481 456 0	0.995 0.515 0.716 0.891 0.891 0.906 0.937 0.575 1.000 1.000	rs12449442 rs60634368 rs201183181 rs201183181 rs7254997 rs7256801 rs437940 rs10414065	penicillin_allergy weight height any_plant_allergy hayfever_all insect_allergy any_animal_allergy iqb.sweat_during_workout any_animal_allergy any_food_allergy	3.8×10 ⁻⁷ 4.6×10 ⁻⁷ 2.9×10 ⁻⁷ 2.9×10 ⁻⁷ 5.4×10 ⁻⁷ 3.9×10 ⁻⁷ 7.6×10 ⁻⁷ 1.1×10 ⁻⁷ 6.1×10 ⁻¹¹ 4.3×10 ⁻⁸ 3.5×10 ⁻⁸ 3.5×10 ⁻⁷	CSH1-[]-CSHL1 [BPTF] [SBN02] [SBN02] [SBN02] SBN02[]-STK11 [STK11] ARRDC2[] IL12RB1 SLC7A10-[] CEBPA SLC7A10-[] CEBPA SLC7A10-[] CEBPA SLC7A10-[] CEBPA SLC7A10-[]	TRUE TRUE FALSE TRUE TRUE
17q24.2 19p13.3 19p13.3 19p13.3 19p13.3 19p13.3 19p13.11 19q13.11 19q13.11	61979122 66015108 1162376 1162376 1219553 1219553 18125240 33721455 33721455 33721455	rs2665820 rs201402027 rs11084888 rs11084888 rs11084888 rs11084889 rs11084889 rs73026614 rs10414065 rs10414065	3.5×10 ⁻⁵ 8.7×10 ⁻⁵ 2.6×10 ⁻⁵ 9.6×10 ⁻⁶ 9.6×10 ⁻⁶ 9.6×10 ⁻⁶ 4.9×10 ⁻⁵ 4.9×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁵	3 -67468 -2199 4236 4236 -15336 -11481 456 0 0 0	0.995 0.515 0.716 0.891 0.891 0.906 0.937 0.575 1.000 1.000	rs12449442 rs60634368 rs201183181 rs201183181 rs7254997 rs7256801 rs437940 rs10414065 rs10414065	penicillin_allergy weight height any_plant_allergy hayfever_all insect_allergy any_animal_allergy iqb.sweat_during_workout any_animal_allergy any_food_allergy dust_mites_allergy	3.8×10 ⁻⁷ 4.6×10 ⁻⁷ 2.9×10 ⁻⁷ 2.3×10 ⁻⁷ 5.4×10 ⁻⁷ 3.9×10 ⁻⁷ 7.6×10 ⁻⁷ 1.1×10 ⁻⁷ 6.1×10 ⁻¹¹ 4.3×10 ⁻⁸ 3.5×10 ⁻⁸	CSH1-[]-CSHL1 [BPTF] [SBN02] [SBN02] [SBN02-]]-STK11 [STK11] ARRDC2[] IL12RB1 SLC7A10-[] CEBPA SLC7A10-[] CEBPA SLC7A10-[] CEBPA SLC7A10-[]	TRUE TRUE FALSE TRUE TRUE TRUE
17q24.2 19p13.3 19p13.3 19p13.3 19p13.3 19p13.3 19p13.11 19q13.11 19q13.11 19q13.11	61979122 66015108 1162376 1162376 1219553 1219553 18125240 33721455 33721455 33721455	rs2665820 rs201402027 rs11084888 rs11084888 rs11084888 rs11084889 rs73026614 rs10414065 rs10414065 rs10414065 rs10414065 rs10414065	3.5×10 ⁻⁵ 8.7×10 ⁻⁵ 2.6×10 ⁻⁶ 9.6×10 ⁻⁶ 9.6×10 ⁻⁶ 4.9×10 ⁻⁵ 4.9×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁵	3 -67468 -2199 4236 -15336 -11481 456 0 0 0 -5122	0.995 0.515 0.716 0.891 0.906 0.937 0.575 1.000 1.000 1.000 0.500	rs12449442 rs60634368 rs201183181 rs201183181 rs7254997 rs7256801 rs437940 rs10414065 rs10414065 rs10414065	penicillin_allergy weight height any_plant_allergy hayfever_all insect_allergy any_animal_allergy iqb.sweat_during_workout any_animal_allergy any_food_allergy dust_mites_allergy other_food_allergy	3.8×10 ⁻⁷ 4.6×10 ⁻⁷ 2.9×10 ⁻⁷ 2.9×10 ⁻⁷ 5.4×10 ⁻⁷ 3.9×10 ⁻⁷ 7.6×10 ⁻⁷ 1.1×10 ⁻⁷ 6.1×10 ⁻¹¹ 4.3×10 ⁻⁸ 3.5×10 ⁻⁸ 3.5×10 ⁻⁷	CSH1-[]-CSHL1 [BPTF] [SBN02] [SBN02] [SBN02-] [SBN02[]-STK11 [STK11] ARRDC2[] IL12RB1 SLC7A10-[] CEBPA SLC7A10-[] CEBPA SLC7A10-[] CEBPA SLC7A10-[] CEBPA SLC7A10-[] CEBPA SLC7A10-[]	TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE
17q24.2 19p13.3 19p13.3 19p13.3 19p13.3 19p13.3 19p13.11 19q13.11 19q13.11 19q13.11 19q13.11 20q13.2	61979122 66015108 1162376 1162376 1162375 1219553 1219553 18125240 33721455 33721455 33721455 33721455	rs2665820 rs201402027 rs11084888 rs11084888 rs11084888 rs11084889 rs73026614 rs10414065 rs10414065 rs10414065 rs10414065 rs10414065 rs10414065	3.5×10 ⁻⁵ 8.7×10 ⁻⁵ 2.6×10 ⁻⁶ 9.6×10 ⁻⁶ 9.6×10 ⁻⁶ 4.9×10 ⁻⁵ 4.9×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁵ 5.4×10 ⁻⁵	3 -67468 -2199 4236 4236 -15336 -11481 456 0 0 0 -5122 -12908	0.995 0.515 0.716 0.891 0.906 0.937 0.575 1.000 1.000 1.000 0.500 0.764	rs12449442 rs60634368 rs201183181 rs201183181 rs7254997 rs7256801 rs437940 rs10414065 rs10414065 rs10414065 rs10414065 rs2766670	penicillin_allergy weight height any_plant_allergy hayfever_all insect_allergy any_animal_allergy iqb.sweat_during_workout any_animal_allergy any_food_allergy dust_mites_allergy dust_mites_allergy dust_mites_allergy	3.8×10 ⁻⁷ 4.6×10 ⁻⁷ 2.9×10 ⁻⁷ 2.3×10 ⁻⁷ 5.4×10 ⁻⁷ 3.9×10 ⁻⁷ 7.6×10 ⁻⁷ 1.1×10 ⁻⁷ 6.1×10 ⁻¹¹ 4.3×10 ⁻⁸ 3.5×10 ⁻⁸ 3.5×10 ⁻⁷ 1.6×10 ⁻⁷	CSH1-[]-CSHL1 [BPTF] [SBN02] [SBN02] [SBN02-] [STK11] [STK11] ARRDC2[] IL12RB1 SLC7A10-[] CEBPA SLC7A10-[] CEBPA SLC7A10-[] CEBPA SLC7A10-[] CEBPA TSHZ2[]- ZNF217	TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE
17q24.2 19p13.3 19p13.3 19p13.3 19p13.3 19p13.1 19q13.11 19q13.11 19q13.11 19q13.11 20q13.2 20q13.33	61979122 66015108 1162376 1162376 1162375 1219553 1219553 18125240 33721455 33721455 33721455 52184944 62288752	rs2665820 rs201402027 rs11084888 rs11084888 rs11084889 rs11084889 rs73026614 rs10414065 rs10414065 rs10414065 rs10414065 rs10414065 rs10414065	3.5×10 ⁻⁵ 8.7×10 ⁻⁵ 2.6×10 ⁻⁶ 9.6×10 ⁻⁶ 9.6×10 ⁻⁶ 9.6×10 ⁻⁶ 4.9×10 ⁻⁵ 4.9×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁵ 5.4×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁶	3 -67468 -2199 4236 4236 -15336 -11481 456 0 0 0 -5122 -12908 -10830	0.995 0.515 0.716 0.891 0.906 0.937 0.575 1.000 1.000 1.000 0.500 0.764 0.662	rs12449442 rs60634368 rs201183181 rs201183181 rs7254997 rs7256801 rs437940 rs10414065 rs10414065 rs10414065 rs10414065 rs2766670 rs6010986	penicillin_allergy weight height any_plant_allergy hayfever_all insect_allergy any_animal_allergy iqb.sweat_during_workout any_animal_allergy any_food_allergy dust_mites_allergy dust_mites_allergy dust_mites_allergy myopia_v_hyperopia	3.8×10 ⁻⁷ 4.6×10 ⁻⁷ 2.9×10 ⁻⁷ 2.9×10 ⁻⁷ 5.4×10 ⁻⁷ 3.9×10 ⁻⁷ 7.6×10 ⁻⁷ 1.1×10 ⁻⁷ 6.1×10 ⁻¹¹ 4.3×10 ⁻⁸ 3.5×10 ⁻⁸ 3.5×10 ⁻⁷ 1.6×10 ⁻⁷ 1.5×10 ⁻⁷	CSH1-[]-CSHL1 [BPTF] [SBN02] [SBN02] [SBN02-] [STK11] ARRDC2[] [L12RB1 SLC7A10-[] CEBPA SLC7A10-[] CEBPA SLC7A10-[] CEBPA SLC7A10-[] CEBPA TSHZ2[]- ZNF217 [STMN3]	TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE
17q24.2 19p13.3 19p13.3 19p13.3 19p13.3 19p13.3 19p13.11 19q13.11 19q13.11 19q13.11 20q13.2 20q13.33 20q13.33	61979122 66015108 1162376 1162376 1162375 1219553 1219553 18125240 33721455 33721455 33721455 52184944 62288752 62288752	rs2665820 rs201402027 rs11084888 rs11084888 rs11084889 rs11084889 rs73026614 rs10414065 rs10414065 rs10414065 rs10414065 rs10414065 rs10414065	3.5×10 ⁻⁵ 8.7×10 ⁻⁵ 2.6×10 ⁻⁶ 9.6×10 ⁻⁶ 9.6×10 ⁻⁶ 4.9×10 ⁻⁵ 4.9×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁶ 1.9×10 ⁻⁶	3 -67468 -2199 4236 4236 -15336 -11481 456 0 0 0 -5122 -12908 -10830 26650	0.995 0.515 0.716 0.891 0.906 0.937 0.575 1.000 1.000 1.000 0.500 0.500 0.764 0.662 0.704	rs12449442 rs60634368 rs201183181 rs201183181 rs7254997 rs7256801 rs437940 rs10414065 rs10414065 rs10414065 rs10414065 rs2766670 rs6010986 rs4809319	penicillin_allergy weight height any_plant_allergy hayfever_all insect_allergy any_animal_allergy iqb.sweat_during_workout any_animal_allergy any_food_allergy dust_mites_allergy dust_mites_allergy dust_mites_allergy myopia_y_hyperopia nearsightedness	3.8×10 ⁻⁷ 4.6×10 ⁻⁷ 2.9×10 ⁻⁷ 2.3×10 ⁻⁷ 5.4×10 ⁻⁷ 3.9×10 ⁻⁷ 7.6×10 ⁻⁷ 1.1×10 ⁻⁷ 6.1×10 ⁻¹¹ 4.3×10 ⁻⁸ 3.5×10 ⁻⁸ 3.5×10 ⁻⁷ 1.6×10 ⁻⁷ 1.5×10 ⁻⁷ 7.5×10 ⁻⁹	CSH1-[]-CSHL1 [BPTF] [SBN02] [SBN02-] [SBN02-]]-STK11 [STK11] ARRDC2[] IL12RB1 SLC7A10-[] CEBPA TSH22[]- ZNF217 [STMN3] [STMN3]	TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE
17q24.2 19p13.3 19p13.3 19p13.3 19p13.3 19p13.3 19p13.11 19q13.11 19q13.11 19q13.11 20q13.2 20q13.33 20q13.33 20q13.33 20q13.33	61979122 66015108 1162376 1162376 1219553 1219553 1219553 33721455 33721455 33721455 33721455 52184944 62288752 62288752 62288752 62288752	rs2665820 rs201402027 rs11084888 rs11084888 rs11084889 rs11084889 rs73026614 rs10414065 rs10414065 rs10414065 rs10414065 rs155926 rs3761124 rs3761124 rs3761124	3.5×10 ⁻⁵ 8.7×10 ⁻⁵ 2.6×10 ⁻⁶ 9.6×10 ⁻⁶ 9.6×10 ⁻⁶ 4.9×10 ⁻⁵ 4.9×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁶ 1.9×10 ⁻⁶ 1.9×10 ⁻⁶	3 -67468 -2199 4236 4236 4236 -15336 -11481 456 0 0 0 -51202 -12908 -10830 26650 39990	0.995 0.515 0.716 0.891 0.906 0.937 0.575 1.000 1.000 1.000 0.500 0.764 0.662 0.704 0.747	rs12449442 rs60634368 rs201183181 rs201183181 rs7254997 rs7256801 rs437940 rs10414065 rs10414065 rs10414065 rs10414065 rs2766670 rs6010986 rs4809319 rs201926957 rs909341	penicillin_allergy weight height any_plant_allergy hayfever_all insect_allergy any_animal_allergy iqb.sweat_during_workout any_animal_allergy any_food_allergy dust_mites_allergy other_food_allergy dust_mites_allergy myopia_v_hyperopia nearsightedness seasonal_allergies_broad eczema	3.8×10 ⁻⁷ 4.6×10 ⁻⁷ 2.9×10 ⁻⁷ 2.3×10 ⁻⁷ 5.4×10 ⁻⁷ 3.9×10 ⁻⁷ 7.6×10 ⁻⁷ 1.1×10 ⁻⁷ 6.1×10 ⁻¹¹ 4.3×10 ⁻⁸ 3.5×10 ⁻⁸ 3.5×10 ⁻⁷ 1.6×10 ⁻⁷ 1.5×10 ⁻⁷ 7.5×10 ⁻⁹ 1.9×10 ⁻⁷ 2.1×10 ⁻¹⁹	CSH1-[]-CSHL1 [BPTF] [SBN02] [SBN02] [SBN02-[]-STK11 [STK11] ARRDC2[] IL12RB1 SLC7A10-[] CEBPA SLC7A10-[] CEBPA SLC7A10-[] CEBPA SLC7A10-[] CEBPA TSHZ2[]- ZNF217 [STMN3] [STMN3] [RTEL1] [TNFRSF6B]	TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE
17q24.2 19p13.3 19p13.3 19p13.3 19p13.3 19p13.3 19p13.11 19q13.11 19q13.11 19q13.11 20q13.2 20q13.33 20q13.33 20q13.33 20q13.33 20q13.33	61979122 66015108 1162376 1162376 1162376 1219553 1219553 18125240 33721455 33721455 33721455 52184944 62288752 62288752 62288752 62288752 62288752	rs2665820 rs201402027 rs11084888 rs11084888 rs11084889 rs11084889 rs73026614 rs10414065 rs10414065 rs10414065 rs104124 rs3761124 rs3761124 rs3761124 rs3761124	3.5×10 ⁻⁵ 8.7×10 ⁻⁵ 2.6×10 ⁻⁶ 9.6×10 ⁻⁶ 9.6×10 ⁻⁶ 4.9×10 ⁻⁵ 4.9×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁶ 1.9×10 ⁻⁶ 1.9×10 ⁻⁶ 1.9×10 ⁻⁶ 1.9×10 ⁻⁶	3 -67468 -2199 4236 4236 -15336 -11481 456 0 0 0 -5122 -12908 -10830 26650 39990 60935	0.995 0.515 0.716 0.891 0.906 0.937 0.575 1.000 1.000 1.000 0.500 0.764 0.662 0.704 0.747 0.582	rs12449442 rs60634368 rs201183181 rs201183181 rs7254997 rs7256801 rs437940 rs10414065 rs10414065 rs10414065 rs10414065 rs2766670 rs6010986 rs4809319 rs201926957 rs909341 rs202143810	penicillin_allergy weight height any_plant_allergy hayfever_all insect_allergy any_animal_allergy iqb.sweat_during_workout any_animal_allergy any_food_allergy dust_mites_allergy other_food_allergy dust_mites_allergy myopia_y_hyperopia nearsightedness seasonal_allergies_broad eczema prostate_cancer	3.8×10 ⁻⁷ 4.6×10 ⁻⁷ 2.9×10 ⁻⁷ 2.9×10 ⁻⁷ 5.4×10 ⁻⁷ 5.4×10 ⁻⁷ 7.6×10 ⁻⁷ 1.1×10 ⁻⁷ 6.1×10 ⁻¹¹ 4.3×10 ⁻⁸ 3.5×10 ⁻⁸ 3.5×10 ⁻⁷ 1.6×10 ⁻⁷ 7.5×10 ⁻⁹ 1.9×10 ⁻⁷ 2.1×10 ⁻¹⁹ 1.0×10 ⁻⁷	CSH1-[]-CSHL1 [BPTF] [SBN02] [SBN02] [SBN02-] SBN02[]-STK11 [STK11] ARRDC2[] IL12RB1 SLC7A10-[] CEBPA SLC7A10-[] CEBPA SLC7A10-[] CEBPA TSHZ2[]- ZNF217 [STMN3] [STMN3] [RTEL1] [TNFRSF6B] [ZGPAT]	TRUE TRUE FALSE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRU
17q24.2 19p13.3 19p13.3 19p13.3 19p13.3 19p13.3 19p13.11 19q13.11 19q13.11 20q13.2 20q13.33 20q13.33 20q13.33 20q13.33 20q13.33 20q13.33 20q13.33	61979122 66015108 1162376 1162376 1162375 1219553 1219553 18125240 33721455 33721455 33721455 52184944 62288752 62288752 62288752 62288752 62288752 6238752 6238752 6238752	rs2665820 rs201402027 rs11084888 rs11084888 rs11084888 rs11084889 rs73026614 rs10414065 rs10414065 rs10414065 rs10414065 rs1555926 rs3761124 rs3761124 rs3761124 rs3761124 rs3761124 rs3761124 rs3761124 rs3761124 rs3761124	3.5×10 ⁻⁵ 8.7×10 ⁻⁵ 2.6×10 ⁻⁶ 9.6×10 ⁻⁶ 9.6×10 ⁻⁶ 9.6×10 ⁻⁵ 4.9×10 ⁻⁵ 4.9×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁶	3 -67468 -2199 4236 -15336 -11481 456 0 0 0 -5122 -12908 -10830 26650 39990 60935 37044	0.995 0.515 0.716 0.891 0.906 0.937 0.575 1.000 1.000 1.000 0.500 0.764 0.662 0.704 0.747 0.582 0.518	rs12449442 rs60634368 rs201183181 rs201183181 rs7254997 rs7256801 rs437940 rs10414065 rs10414065 rs10414065 rs10414065 rs2766670 rs6010986 rs4809319 rs201926957 rs909341 rs202143810 rs8125514	penicillin_allergy weight height any_plant_allergy hayfever_all insect_allergy any_animal_allergy iqb.sweat_during_workout any_animal_allergy any_food_allergy dust_mites_allergy other_food_allergy dust_mites_allergy myopia_v_hyperopia nearsightedness seasonal_allergies_broad eczema prostate_cancer height	3.8×10 ⁻⁷ 4.6×10 ⁻⁷ 2.9×10 ⁻⁷ 2.9×10 ⁻⁷ 5.4×10 ⁻⁷ 3.9×10 ⁻⁷ 7.6×10 ⁻⁷ 1.1×10 ⁻⁷ 6.1×10 ⁻¹¹ 4.3×10 ⁻⁸ 3.5×10 ⁻⁸ 3.5×10 ⁻⁷ 1.6×10 ⁻⁷ 1.5×10 ⁻⁷ 7.5×10 ⁻⁹ 1.9×10 ⁻⁷ 2.1×10 ⁻¹⁹ 1.0×10 ⁻⁷ 2.5×10 ⁻⁷	CSH1-[]-CSHL1 [BPTF] [SBN02] [SBN02] [SBN02-] [SBN02[]-STK11 [STK11] ARRDC2[] IL12RB1 SLC7A10-[] CEBPA SLC7A10-[] CEBPA SLC7A10-[] CEBPA TSHZ2[]- ZNF217 [STMN3] [STMN3] [RTEL1] [TNPRSF6B] [ZGPAT] [ZGPAT]	TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE
17q24.2 19p13.3 19p13.3 19p13.3 19p13.3 19p13.1 19q13.11 19q13.11 19q13.11 20q13.2 20q13.33 20q13.33 20q13.33 20q13.33 20q13.33 20q13.33 20q13.33 20q13.33	61979122 66015108 1162376 1162376 1162375 1219553 1219553 1219553 33721455 33721455 33721455 52184944 62288752 62288752 62288752 62288752 62288752 6238752 6238752 62315593 40644110	rs2665820 rs201402027 rs11084888 rs11084888 rs11084888 rs11084889 rs73026614 rs10414065 rs10414065 rs10414065 rs104124 rs3761124 rs3761124 rs3761124 rs3761124 rs3761124 rs3761124 rs3761124 rs3781092 rs145104523	3.5×10 ⁻⁵ 8.7×10 ⁻⁵ 2.6×10 ⁻⁶ 9.6×10 ⁻⁶ 9.6×10 ⁻⁶ 4.9×10 ⁻⁵ 4.9×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁶	3 -67468 -2199 4236 4236 -15336 -11481 456 0 0 0 -5122 -12908 -10830 26650 39990 60935 37044 -88549	0.995 0.515 0.716 0.891 0.906 0.937 0.575 1.000 1.000 1.000 0.500 0.764 0.662 0.704 0.747 0.582 0.518 0.988	rs12449442 rs60634368 rs201183181 rs201183181 rs7254997 rs7256801 rs437940 rs10414065 rs10414065 rs10414065 rs10414065 rs2766670 rs6010986 rs4809319 rs201926957 rs909341 rs202143810 rs8125514 rs117143374	penicillin_allergy weight height any_plant_allergy hayfever_all insect_allergy any_animal_allergy iqb.sweat_during_workout any_animal_allergy any_food_allergy dust_mites_allergy other_food_allergy dust_mites_allergy myopia_v_hyperopia nearsightedness seasonal_allergies_broad eczema prostate_cancer height age_first_menses	3.8×10 ⁻⁷ 4.6×10 ⁻⁷ 2.9×10 ⁻⁷ 2.9×10 ⁻⁷ 5.4×10 ⁻⁷ 5.4×10 ⁻⁷ 7.6×10 ⁻⁷ 1.1×10 ⁻⁷ 6.1×10 ⁻¹¹ 4.3×10 ⁻⁸ 3.5×10 ⁻⁸ 3.5×10 ⁻⁷ 1.6×10 ⁻⁷ 1.5×10 ⁻⁷ 7.5×10 ⁻⁹ 1.9×10 ⁻⁷ 2.1×10 ⁻¹⁹ 1.0×10 ⁻⁷ 2.5×10 ⁻⁷ 4.4×10 ⁻⁸	CSH1-[]-CSHL1 [BPTF] [SBN02] [SBN02] [SBN02-] [SBN02[]-STK11 [STK11] ARRDC2[] IL12RB1 SLC7A10-[] CEBPA SLC7A10-[] CEBPA SLC7A10-[] CEBPA TSHZ2[]- ZNF217 [STMN3] [STMN3] [RTEL1] [TNFRSF6B] [ZGPAT] [ZGPAT] PSMG1[]-BRWD1	TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE
17q24.2 19p13.3 19p13.3 19p13.3 19p13.3 19p13.3 19p13.11 19q13.11 19q13.11 19q13.11 20q13.2 20q13.33 20q13.33 20q13.33 20q13.33 20q13.33 21q22.2 21q22.2	61979122 66015108 1162376 1162376 1219553 1219553 1219553 33721455 33721455 33721455 52184944 62288752 62288752 62288752 62288752 62288752 62288752 62288752 62288752 6248752 6248752 6258752 6258752 626315593 40644110 40594877	rs2665820 rs201402027 rs11084888 rs11084888 rs11084889 rs11084889 rs73026614 rs10414065 rs10414065 rs10414065 rs10414065 rs1055926 rs3761124 rs3761124 rs3761124 rs3761124 rs3761124 rs3761124 rs3761124 rs3761124 rs376122 rs145104523 21:40594877:A_AG	3.5×10 ⁻⁵ 8.7×10 ⁻⁵ 2.6×10 ⁻⁶ 9.6×10 ⁻⁶ 9.6×10 ⁻⁶ 4.9×10 ⁻⁵ 4.9×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁶	3 -67468 -2199 4236 4236 -15336 -11481 456 0 0 0 -5122 -12908 -10830 26650 39990 60935 37044 -88549	0.995 0.515 0.716 0.891 0.906 0.937 0.575 1.000 1.000 1.000 0.500 0.764 0.662 0.704 0.747 0.582 0.518 0.988 1.000	rs12449442 rs60634368 rs201183181 rs201183181 rs7254997 rs7256801 rs437940 rs10414065 rs10414065 rs10414065 rs10414065 rs2766670 rs6010986 rs4809319 rs201926957 rs909341 rs202143810 rs8125514 rs117143374 21:40594877:A_AG	penicillin_allergy weight height any_plant_allergy hayfever_all insect_allergy any_animal_allergy iqb.sweat_during_workout any_animal_allergy any_food_allergy dust_mites_allergy other_food_allergy dust_mites_allergy myopia_v_hyperopia nearsightedness seasonal_allergies_broad eczema prostate_cancer height age_first_menses any_plant_allergy	3.8×10 ⁻⁷ 4.6×10 ⁻⁷ 2.9×10 ⁻⁷ 2.9×10 ⁻⁷ 5.4×10 ⁻⁷ 3.9×10 ⁻⁷ 7.6×10 ⁻⁷ 1.1×10 ⁻⁷ 6.1×10 ⁻¹¹ 4.3×10 ⁻⁸ 3.5×10 ⁻⁸ 3.5×10 ⁻⁷ 1.6×10 ⁻⁷ 1.5×10 ⁻⁷ 2.1×10 ⁻¹⁹ 1.0×10 ⁻⁷ 2.5×10 ⁻⁷ 4.4×10 ⁻⁸ 6.0×10 ⁻⁷	CSH1-[]-CSHL1 [BPTF] [SBN02] [SBN02] [SBN02-[]-STK11 [STK11] ARRDC2[] IL12RB1 SLC7A10-[] CEBPA SLC7A10-[] CEBPA SLC7A10-[] CEBPA TSHZ2[]- ZNF217 [STMN3] [STMN3] [RTEL1] [TNFRSF6B] [ZGPAT] [SGPAT] [SRWD1]	TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE
17q24.2 19p13.3 19p13.3 19p13.3 19p13.3 19p13.1 19q13.11 19q13.11 19q13.11 20q13.2 20q13.33 20q13.33 20q13.33 20q13.33 20q13.33 20q13.33 20q13.33 20q13.33	61979122 66015108 1162376 1162376 1219553 1219553 1219553 33721455 33721455 33721455 52184944 62288752 62288752 62288752 62288752 62288752 62288752 62288752 62288752 6248752 6248752 6258752 6258752 626315593 40644110 40594877	rs2665820 rs201402027 rs11084888 rs11084888 rs11084888 rs11084889 rs73026614 rs10414065 rs10414065 rs10414065 rs104124 rs3761124 rs3761124 rs3761124 rs3761124 rs3761124 rs3761124 rs3761124 rs3781092 rs145104523	3.5×10 ⁻⁵ 8.7×10 ⁻⁵ 2.6×10 ⁻⁶ 9.6×10 ⁻⁶ 9.6×10 ⁻⁶ 4.9×10 ⁻⁵ 4.9×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁶	3 -67468 -2199 4236 4236 -15336 -11481 456 0 0 0 -5122 -12908 -10830 26650 39990 60935 37044 -88549	0.995 0.515 0.716 0.891 0.906 0.937 0.575 1.000 1.000 1.000 0.500 0.764 0.662 0.704 0.747 0.582 0.518 0.988 1.000	rs12449442 rs60634368 rs201183181 rs201183181 rs7254997 rs7256801 rs437940 rs10414065 rs10414065 rs10414065 rs10414065 rs2766670 rs6010986 rs4809319 rs201926957 rs909341 rs202143810 rs8125514 rs117143374	penicillin_allergy weight height any_plant_allergy hayfever_all insect_allergy any_animal_allergy iqb.sweat_during_workout any_animal_allergy any_food_allergy dust_mites_allergy other_food_allergy dust_mites_allergy myopia_v_hyperopia nearsightedness seasonal_allergies_broad eczema prostate_cancer height age_first_menses	3.8×10 ⁻⁷ 4.6×10 ⁻⁷ 2.9×10 ⁻⁷ 2.9×10 ⁻⁷ 5.4×10 ⁻⁷ 5.4×10 ⁻⁷ 7.6×10 ⁻⁷ 1.1×10 ⁻⁷ 6.1×10 ⁻¹¹ 4.3×10 ⁻⁸ 3.5×10 ⁻⁸ 3.5×10 ⁻⁷ 1.6×10 ⁻⁷ 1.5×10 ⁻⁷ 7.5×10 ⁻⁹ 1.9×10 ⁻⁷ 2.1×10 ⁻¹⁹ 1.0×10 ⁻⁷ 2.5×10 ⁻⁷ 4.4×10 ⁻⁸	CSH1-[]-CSHL1 [BPTF] [SBN02] [SBN02] [SBN02-[]-STK11 [STK11] ARRDC2[] IL12RB1 SLC7A10-[] CEBPA SLC7A10-[] CEBPA SLC7A10-[] CEBPA SLC7A10-[] CEBPA SLC7A10-[] CEBPA SLTSH12[]- ZNF217 [STMN3] [STMN3] [RTEL1] [TNFRSF6B] [ZGPAT] [ZGPAT] PSMG1[]-BRWD1 [BRWD1]	TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE
17q24.2 19p13.3 19p13.3 19p13.3 19p13.3 19p13.3 19p13.11 19q13.11 19q13.11 20q13.2 20q13.33 20q13.33 20q13.33 20q13.33 20q13.33 20q13.33 20q13.33 20q13.33	61979122 66015108 1162376 1162376 1162375 1219553 1219553 18125240 33721455 33721455 33721455 52184944 62288752 62288752 62288752 62288752 62288752 62288752 62315593 40644110 40594877 40685662	rs2665820 rs201402027 rs11084888 rs11084888 rs11084888 rs11084889 rs11084889 rs73026614 rs10414065 rs10414065 rs10414065 rs10414065 rs10414065 rs1555926 rs3761124 rs3761124 rs3761124 rs3761124 rs3761124 rs3761124 rs3781092 rs145104523 21:40594877:A_AG rs11910906	3.5×10 ⁻⁵ 8.7×10 ⁻⁵ 2.6×10 ⁻⁶ 9.6×10 ⁻⁶ 9.6×10 ⁻⁶ 9.6×10 ⁻⁵ 4.9×10 ⁻⁵ 4.9×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁶	3 -67468 -2199 4236 -15336 -11481 456 0 0 0 -5122 -12908 -10830 26650 39990 60935 37044 -88549 0 -64259	0.995 0.515 0.716 0.891 0.906 0.937 0.575 1.000 1.000 1.000 0.764 0.662 0.704 0.747 0.582 0.518 0.988 1.000 0.598	rs12449442 rs60634368 rs201183181 rs201183181 rs7254997 rs7256801 rs437940 rs10414065 rs10414065 rs10414065 rs10414065 rs2766670 rs6010986 rs4809319 rs201926957 rs909341 rs202143810 rs8125514 rs117143374 21:40594877:A_AG rs35265000	penicillin_allergy weight height any_plant_allergy hayfever_all insect_allergy any_animal_allergy iqb.sweat_during_workout any_animal_allergy any_food_allergy dust_mites_allergy other_food_allergy dust_mites_allergy dust_mites_allergy myopia_v_hyperopia nearsightedness seasonal_allergies_broad eczema prostate_cancer height age_first_menses any_plant_allergy ever_tobacco_user	3.8×10 ⁻⁷ 4.6×10 ⁻⁷ 2.9×10 ⁻⁷ 2.9×10 ⁻⁷ 5.4×10 ⁻⁷ 3.9×10 ⁻⁷ 7.6×10 ⁻⁷ 1.1×10 ⁻⁷ 6.1×10 ⁻¹¹ 4.3×10 ⁻⁸ 3.5×10 ⁻⁸ 3.5×10 ⁻⁷ 1.6×10 ⁻⁷ 7.5×10 ⁻⁹ 1.9×10 ⁻⁷ 2.1×10 ⁻¹⁹ 1.0×10 ⁻⁷ 2.5×10 ⁻⁷ 4.4×10 ⁻⁸ 6.0×10 ⁻⁷ 2.3×10 ⁻¹⁰	CSH1-[]-CSHL1 [BPTF] [SBN02] [SBN02] [SBN02-] [SBN02-[]-STK11 [STK11] ARRDC2[] IL12RB1 SLC7A10-[] CEBPA SLC7A10-[] CEBPA SLC7A10-[] CEBPA TSHZ2[]- ZNF217 [STMN3] [STMN3] [RTEL1] [TNFRSF6B] [ZGPAT] [ZGPAT] PSMG1[]-BRWD1 [BRWD1] BRWD1] BRWD1-IT2[]-	TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE
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17q24.2 19p13.3 19p13.3 19p13.3 19p13.3 19p13.3 19p13.11 19q13.11 19q13.11 20q13.2 20q13.33 20q13.33 20q13.33 20q13.33 20q13.33 21q22.2 21q22.2 21q22.2 21q22.2	61979122 66015108 1162376 1162376 1219553 1219553 1219553 33721455 33721455 33721455 52184944 62288752 62288752 62288752 62288752 62288752 6244110 40594877 40685662 44840873 44840873	rs2665820 rs201402027 rs11084888 rs11084888 rs11084889 rs11084889 rs1084889 rs73026614 rs10414065 rs10414065 rs10414065 rs104124 rs3761124 rs3761124 rs3761124 rs3761124 rs3761124 rs3761124 rs3761124 rs3761124 rs376124 rs376129 rs145104523 21:40594877:A_AG rs11910906 rs75559179	3.5×10 ⁻⁵ 8.7×10 ⁻⁵ 2.6×10 ⁻⁶ 9.6×10 ⁻⁶ 9.6×10 ⁻⁶ 9.6×10 ⁻⁵ 4.9×10 ⁻⁵ 4.9×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁶	3 -67468 -2199 4236 4236 -15336 -11481 456 0 0 0 -5122 -12908 -10830 26650 39990 60935 37044 -88549 0 -64259 23300 5553 5553	0.995 0.515 0.716 0.891 0.906 0.937 0.575 1.000 1.000 1.000 0.500 0.764 0.662 0.704 0.582 0.518 0.988 1.000 0.598	rs12449442 rs60634368 rs201183181 rs201183181 rs7254997 rs7256801 rs437940 rs10414065 rs10414065 rs10414065 rs10414065 rs2766670 rs6010986 rs4809319 rs201926957 rs909341 rs202143810 rs8125514 rs117143374 21:40594877:A_AG rs35265000 rs201178342 rs76081789	penicillin_allergy weight height any_plant_allergy hayfever_all insect_allergy any_animal_allergy iqb.sweat_during_workout any_animal_allergy any_food_allergy dust_mites_allergy other_food_allergy dust_mites_allergy myopia_v_hyperopia nearsightedness seasonal_allergies_broad eczema prostate_cancer height age_first_menses any_plant_allergy ever_tobacco_user iqb.age_started_reading any_plant_allergy	3.8×10 ⁻⁷ 4.6×10 ⁻⁷ 2.9×10 ⁻⁷ 2.9×10 ⁻⁷ 5.4×10 ⁻⁷ 3.9×10 ⁻⁷ 7.6×10 ⁻⁷ 1.1×10 ⁻⁷ 6.1×10 ⁻¹¹ 4.3×10 ⁻⁸ 3.5×10 ⁻⁸ 3.5×10 ⁻⁷ 1.6×10 ⁻⁷ 1.5×10 ⁻⁷ 2.1×10 ⁻¹⁹ 1.0×10 ⁻⁷ 2.1×10 ⁻¹⁹ 2.1×10 ⁻¹⁹ 1.0×10 ⁻⁷ 2.3×10 ⁻¹⁰ 7.7×10 ⁻⁷ 5.4×10 ⁻⁷ 5.4×10 ⁻⁷	CSH1-[]-CSHL1 [BPTF] [SBN02] [SBN02] [SBN02-] [SBN02-[]-STK11 [STK11] ARRDC2[] IL12RB1 SLC7A10-[] CEBPA SLC7A10-[] CEBPA SLC7A10-[] CEBPA TSHZ2[]- ZNF217 [STMN3] [STMN3] [RTEL1] [TNFRSF6B] [ZGPAT] [ZGPAT] [JGPAT] [BRWD1] [BRWD1] [BRWD1] BRWD1-IT2[]- HMGN1 [SIK1] [SIK1] [EP300]	TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE
17q24.2 19p13.3 19p13.3 19p13.3 19p13.3 19p13.3 19p13.11 19q13.11 19q13.11 20q13.2 20q13.33 20q13.33 20q13.33 20q13.33 20q13.33 21q22.2 21q22.2 21q22.2 21q22.2 21q22.3 21q22.3 22q13.2	61979122 66015108 1162376 1162376 1162375 1219553 1219553 18125240 33721455 33721455 33721455 52184944 62288752 62288752 62288752 62288752 62315593 40644110 40594877 40685662 44840873 44840873 44840873 41545623	rs2665820 rs201402027 rs11084888 rs11084888 rs11084888 rs11084889 rs11084889 rs73026614 rs10414065 rs10414065 rs10414065 rs10414065 rs10414065 rs1555926 rs3761124 rs3761124 rs3761124 rs3761124 rs3761124 rs3761124 rs3781092 rs145104523 21:40594877:A_AG rs11910906 rs75559179 rs75559179 rs75559179	3.5×10 ⁻⁵ 8.7×10 ⁻⁵ 2.6×10 ⁻⁶ 9.6×10 ⁻⁶ 9.6×10 ⁻⁶ 9.6×10 ⁻⁵ 4.9×10 ⁻⁵ 4.9×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁶	3 -67468 -2199 4236 -15336 -11481 456 0 0 0 -5122 -12908 -10830 26650 39990 60935 37044 -88549 0 -64259 23300 5553 5553 0	0.995 0.515 0.716 0.891 0.906 0.937 0.575 1.000 1.000 1.000 0.764 0.662 0.704 0.747 0.582 0.518 0.988 1.000 0.598 0.528 0.824 0.824 1.000	rs12449442 rs60634368 rs201183181 rs201183181 rs7254997 rs7256801 rs437940 rs10414065 rs10414065 rs10414065 rs10414065 rs2766670 rs6010986 rs4809319 rs201926957 rs909341 rs202143810 rs8125514 rs117143374 21:40594877:A_AG rs35265000 rs201178342 rs76081789 rs76081789 rs117597170	penicillin_allergy weight height any_plant_allergy hayfever_all insect_allergy any_animal_allergy iqb.sweat_during_workout any_animal_allergy any_food_allergy dust_mites_allergy dust_mites_allergy dust_mites_allergy dust_mites_allergy myopia_v_hyperopia nearsightedness seasonal_allergies_broad eczema prostate_cancer height age_first_menses any_plant_allergy ever_tobacco_user iqb.age_started_reading any_plant_allergy seasonal_allergies_broad dust_mites_allergy	3.8×10 ⁻⁷ 4.6×10 ⁻⁷ 2.9×10 ⁻⁷ 2.9×10 ⁻⁷ 5.4×10 ⁻⁷ 3.9×10 ⁻⁷ 7.6×10 ⁻⁷ 1.1×10 ⁻⁷ 6.1×10 ⁻¹¹ 4.3×10 ⁻⁸ 3.5×10 ⁻⁸ 3.5×10 ⁻⁷ 1.6×10 ⁻⁷ 1.5×10 ⁻⁷ 7.5×10 ⁻⁹ 1.9×10 ⁻⁷ 2.1×10 ⁻¹⁹ 1.0×10 ⁻⁷ 2.3×10 ⁻¹⁰ 7.7×10 ⁻⁷ 5.4×10 ⁻⁷ 1.3×10 ⁻⁷ 2.6×10 ⁻⁸	CSH1-[]-CSHL1 [BPTF] [SBN02] [SBN02] [SBN02-[]-STK11 [STK11] ARRDC2[] IL12RB1 SLC7A10-[] CEBPA SLC7A10-[] CEBPA SLC7A10-[] CEBPA SLC7A10-[] CEBPA TSH22[]- ZNF217 [STMN3] [RTEL1] [TNFRSF6B] [ZGPAT] PSMG1[]-BRWD1 [BRWD1] [BRWD1] BRWD1-IT2[]- INFRNSI [SIK1]	TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE
17q24.2 19p13.3 19p13.3 19p13.3 19p13.3 19p13.3 19p13.11 19q13.11 19q13.11 19q13.11 20q13.2 20q13.33 20q13.33 20q13.33 20q13.33 20q13.33 21q22.2 21q22.2 21q22.2 21q22.2	61979122 66015108 1162376 1162376 1219553 1219553 1219553 33721455 33721455 33721455 52184944 62288752 62288752 62288752 62288752 62288752 6244110 40594877 40685662 44840873 44840873	rs2665820 rs201402027 rs11084888 rs11084888 rs11084888 rs11084889 rs11084889 rs73026614 rs10414065 rs10414065 rs10414065 rs10414065 rs10414065 rs1555926 rs3761124 rs3761124 rs3761124 rs3761124 rs3761124 rs3761124 rs3781092 rs145104523 21:40594877:A_AG rs11910906 rs75559179 rs75559179 rs75559179	3.5×10 ⁻⁵ 8.7×10 ⁻⁵ 2.6×10 ⁻⁶ 9.6×10 ⁻⁶ 9.6×10 ⁻⁶ 9.6×10 ⁻⁵ 4.9×10 ⁻⁵ 4.9×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁶	3 -67468 -2199 4236 -15336 -11481 456 0 0 0 -5122 -12908 -10830 26650 39990 60935 37044 -88549 0 -64259 23300 5553 5553 0	0.995 0.515 0.716 0.891 0.906 0.937 0.575 1.000 1.000 1.000 0.764 0.662 0.704 0.747 0.582 0.518 0.988 1.000 0.598 0.528 0.824 0.824 1.000	rs12449442 rs60634368 rs201183181 rs201183181 rs7254997 rs7256801 rs437940 rs10414065 rs10414065 rs10414065 rs10414065 rs2766670 rs6010986 rs4809319 rs201926957 rs909341 rs202143810 rs8125514 rs117143374 21:40594877:A_AG rs35265000 rs201178342 rs76081789 rs76081789	penicillin_allergy weight height any_plant_allergy hayfever_all insect_allergy any_animal_allergy iqb.sweat_during_workout any_animal_allergy any_food_allergy dust_mites_allergy other_food_allergy dust_mites_allergy myopia_v_hyperopia nearsightedness seasonal_allergies_broad eczema prostate_cancer height age_first_menses any_plant_allergy ever_tobacco_user iqb.age_started_reading any_plant_allergy seasonal_allergies_broad	3.8×10 ⁻⁷ 4.6×10 ⁻⁷ 2.9×10 ⁻⁷ 2.9×10 ⁻⁷ 5.4×10 ⁻⁷ 3.9×10 ⁻⁷ 7.6×10 ⁻⁷ 1.1×10 ⁻⁷ 6.1×10 ⁻¹¹ 4.3×10 ⁻⁸ 3.5×10 ⁻⁸ 3.5×10 ⁻⁷ 1.6×10 ⁻⁷ 1.5×10 ⁻⁷ 2.1×10 ⁻¹⁹ 1.0×10 ⁻⁷ 2.5×10 ⁻⁷ 4.4×10 ⁻⁸ 6.0×10 ⁻⁷ 2.3×10 ⁻¹⁰ 7.7×10 ⁻⁷ 7.5×10 ⁻⁷ 1.3×10 ⁻⁷	CSH1-[]-CSHL1 [BPTF] [SBN02] [SBN02] [SBN02-[]-STK11 [STK11] ARRDC2[] IL12RB1 SLC7A10-[] CEBPA SLC7A10-[] CEBPA SLC7A10-[] CEBPA TSHZ2[]- ZNF217 [STMN3] [RTEL1] [TNFRSF6B] [ZGPAT] [ZGPAT] [SGMD1] [BRWD1] [BRWD1] [BRWD1] [BRWD1-IT2[]- HMGN1 [SIK1] [SIK1] [EP300] RRP7A[]- SERHL2	TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE
17q24.2 19p13.3 19p13.3 19p13.3 19p13.3 19p13.3 19p13.11 19q13.11 19q13.11 20q13.2 20q13.33 20q13.33 20q13.33 20q13.33 20q13.33 21q22.2 21q22.2 21q22.2 21q22.2 21q22.2 21q22.3 22q13.2	61979122 66015108 1162376 1162376 1162375 1219553 1219553 18125240 33721455 33721455 33721455 52184944 62288752 62288752 62288752 62288752 62315593 40644110 40594877 40685662 44840873 44840873 44840873 41545623	rs2665820 rs201402027 rs11084888 rs11084888 rs11084889 rs11084889 rs11084889 rs73026614 rs10414065 rs10414065 rs10414065 rs10414065 rs10414065 rs1761124 rs3761124 rs3761124 rs3761124 rs3761124 rs3761124 rs3761124 rs3761124 rs3761126 rs1910906 rs19594877:A_AG rs11910906 rs75559179 rs75559179 rs17597170 rs136986	3.5×10 ⁻⁵ 8.7×10 ⁻⁵ 2.6×10 ⁻⁶ 9.6×10 ⁻⁶ 9.6×10 ⁻⁶ 9.6×10 ⁻⁵ 4.9×10 ⁻⁵ 4.9×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁵ 1.9×10 ⁻⁶	3 -67468 -2199 4236 -15336 -11481 456 0 0 0 -5122 -12908 -10830 26650 39990 60935 37044 -88549 0 -64259 23300 5553 5553 0	0.995 0.515 0.716 0.891 0.906 0.937 0.575 1.000 1.000 1.000 0.500 0.764 0.662 0.704 0.582 0.518 0.988 1.000 0.598 0.528 0.824 1.000	rs12449442 rs60634368 rs201183181 rs201183181 rs7254997 rs7256801 rs437940 rs10414065 rs10414065 rs10414065 rs10414065 rs2766670 rs6010986 rs4809319 rs201926957 rs909341 rs202143810 rs8125514 rs117143374 21:40594877:A_AG rs35265000 rs201178342 rs76081789 rs76081789 rs117597170	penicillin_allergy weight height any_plant_allergy hayfever_all insect_allergy any_animal_allergy iqb.sweat_during_workout any_animal_allergy any_food_allergy dust_mites_allergy dust_mites_allergy dust_mites_allergy dust_mites_allergy myopia_v_hyperopia nearsightedness seasonal_allergies_broad eczema prostate_cancer height age_first_menses any_plant_allergy ever_tobacco_user iqb.age_started_reading any_plant_allergy seasonal_allergies_broad dust_mites_allergy	3.8×10 ⁻⁷ 4.6×10 ⁻⁷ 2.9×10 ⁻⁷ 2.9×10 ⁻⁷ 5.4×10 ⁻⁷ 3.9×10 ⁻⁷ 7.6×10 ⁻⁷ 1.1×10 ⁻⁷ 6.1×10 ⁻¹¹ 4.3×10 ⁻⁸ 3.5×10 ⁻⁸ 3.5×10 ⁻⁷ 1.6×10 ⁻⁷ 1.5×10 ⁻⁷ 7.5×10 ⁻⁹ 1.9×10 ⁻⁷ 2.1×10 ⁻¹⁹ 1.0×10 ⁻⁷ 2.3×10 ⁻¹⁰ 7.7×10 ⁻⁷ 5.4×10 ⁻⁷ 1.3×10 ⁻⁷ 2.6×10 ⁻⁸	CSH1-[]-CSHL1 [BPTF] [SBN02] [SBN02] [SBN02-] [SBN02-[]-STK11 [STK11] ARRDC2[] IL12RB1 SLC7A10-[] CEBPA SLC7A10-[] CEBPA SLC7A10-[] CEBPA TSH22[]- ZNF217 [STMN3] [STMN3] [RTEL1] [TNFRSF6B] [ZGPAT] [ZGPAT] [ZGPAT] [SMD1] [BRWD1] [BRWD1] [BRWD1] [BRWD1] [BRWD1] [SIK1] [SIK1] [EP300] [RP7A[]-	TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE

22q13.2	42945888 rs136986	2.2×10 ⁻⁵	-4498 0.506	rs136978	seasonal_allergies_broad	4.7×10 ⁻⁹	RRP7A[]- SERHL2 RRP7A[]-	TRUE
22q13.2	42945888 rs136986	2.2×10^{-5}	-1910 0.512	rs200044896	leg_jiggle	9.9×10^{-8}	SERHL2	
Xq28	155176144 rs7053404	1.6×10^{-6}	0 1.000	rs7053404	any_animal_allergy	7.6×10 ⁻⁷	VAMP7-[]IL9R	TRUE
Xq28	155185332 rs74887446	1.3×10^{-6}	0 1.000	rs74887446	mold_allergy	1.5×10 ⁻⁸	VAMP7[]IL9R	TRUE
Xn28	155185332 rs74887446	1 3×10 ⁻⁶	0 1 000	rs74887446	seasonal allergies broad	8 3×10 ⁻⁷	VAMP7[]11 9R	TRUE

Regional Association Plots

