

Associations and interactions of genetic polymorphisms in innate immunity genes with early viral infections and susceptibility to asthma and asthma-related phenotypes

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Background: The innate immune system is essential for host survival because of its ability to recognize invading pathogens and mount defensive responses.

Objectives: We sought to identify genetic associations of innate immunity genes with atopy and asthma and interactions with early viral infections (first 12 months of life) in a high-risk birth cohort.

Methods: Three Canadian family-based studies and 1 Australian population-based case-control study (n = 5565) were used to

investigate associations of 321 single nucleotide polymorphisms (SNPs) in 26 innate immunity genes with atopy, asthma, atopic asthma, and airway hyperresponsiveness. Interactions between innate immunity genes and early viral exposure to 3 common viruses (parainfluenza, respiratory syncytial virus, and picornavirus) were examined in the Canadian Asthma Primary Prevention Study by using both an affected-only family-based transmission disequilibrium test and case-control methods.

Results: In a joint analysis of all 4 cohorts, IL-1 receptor 2 (*IL1R2*) and Toll-like receptor 1 (*TLR1*) SNPs were associated with atopy after correction for multiple comparisons. In addition, an *NFKB1A* SNP was associated with atopic asthma. Six SNPs (rs1519309 [*TLR3*], rs740044 [*IL1R2*], rs4543123 [*TLR1*], rs5741812 [*LBP*], rs917998 [*IL18RAP*], and rs3136641 [*NFKB1B*]) were significant ($P < .05$, confirmed with 30,000 permutations) in both the combined analysis of main genetic effects and SNP-virus interaction analyses in both case-control and family-based methods. The *TLR1* variant (rs4543123) was associated with both multiple viruses (respiratory syncytial virus and parainfluenza virus) and multiple phenotypes. **Conclusion:** We have identified novel susceptibility genes for asthma and related traits and interactions between these genes and early-life viral infections. (J Allergy Clin Immunol 2012;■■■:■■■-■■■.)

Key words: Asthma, atopy, atopic asthma, airway hyperresponsiveness, genetics, association, gene-environment interactions, viral exposures

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The worldwide prevalence of asthma and other allergic diseases has increased during the past 2 decades, particularly in developed countries.¹⁻³ Currently, asthma affects 8% to 10% of the population in the United States and is the most common chronic disease in children. The innate immune system plays an important role in the development of allergic disorders by sensing various microbial compounds and mounting defensive responses. The hygiene hypothesis states that early childhood exposure to infection or endotoxins alters the T_H1/T_H2 balance, attenuating the T_H2 immune response and thus inhibiting the development of asthma and other allergic diseases.⁴ In contrast, a microbe-free environment can polarize T_H cells to a T_H2 immune response and therefore predispose to the development of atopy.

A vital part of the innate immune response is the IL-1 receptor (IL-1R)/Toll-like receptor (TLR) superfamily.⁵ The genes of the IL-1R/TLR pathways are widely expressed in different cell types in the human lung.⁶ The IL-1R subgroup has been implicated in

Abbreviations used

AHR:	Airway hyperresponsiveness
CAPPS:	Canadian Asthma Primary Prevention Study
GWIS:	Genome-wide interaction study
IL-1R:	IL-1 receptor
LD:	Linkage disequilibrium
OR:	Odds ratio
PIV:	Parainfluenza virus
QQ:	Quantile-quantile
RSV:	Respiratory syncytial virus
SAGE:	Study of Asthma Genes and the Environment Study
SLSJ:	Saguenay–Lac-Saint-Jean and Quebec City Familial Asthma Collection
SNP:	Single nucleotide polymorphism
TLR:	Toll-like receptor

the development of atopy and asthma,⁷⁻⁹ and genetic associations with atopic diseases have been reported.⁸ Single nucleotide polymorphisms (SNPs) of *TLR2*,^{10,11} *TLR4*,¹¹ *TLR6*,¹² *TLR9*,^{11,13} and *TLR10*¹⁴ have also been reported to be associated with asthma or allergic diseases. There has been no report yet on genetic variants of Toll/IL-1 receptor adaptors in allergic diseases.

Viral infections are well recognized as an environmental risk factor for both the development of asthma and asthma exacerbations,¹⁵⁻²¹ although it is not clear whether viruses are causal, affecting and modifying the growth and development of the immune system, or whether the relationship is indicative of a susceptible subject with impaired lung function and innate immune responses or a combination of the two.^{20,22,23} The “2-hit” hypothesis has been postulated, whereby viral infections promote asthma mainly in predisposed children.²⁰ It is entirely plausible that viral infections initiate asthma in children genetically predisposed to the disease. If we are going to understand the cause of asthma, we need to examine the larger complex picture of genetic susceptibility, environmental exposures, and their interactions.

The aim of this study was to identify novel genetic associations and potential gene-environment interactions between innate immunity genes and early viral infections (first 12 months of life) with 3 common respiratory viruses (parainfluenza virus [PIV], respiratory syncytial virus [RSV], and picornavirus) that have been implicated in the onset or exacerbation of asthma in children. Main genetic effects and interactions were tested for 4 allergic phenotypes: atopy, asthma, atopic asthma, and airway hyperresponsiveness (AHR). Innate immunity genes that were associated with asthma and atopic diseases in other populations were also investigated in our study cohorts, and these data have been previously reported.²⁴ We considered a variety of analytic approaches, including a genome-wide interaction study (GWIS), but given that we expected interaction effects to be modest (odds ratio [OR] < 2) and our small sample size (approximately 280 children), we believed that the multiple testing burden of a GWIS would overwhelm these modest effects. A more hypothesis-based pathway approach could have been undertaken, and this approach would have increased our power. However, our prior knowledge of biological pathways and gene-virus interactions is limited, and we believed our analyses could benefit from a more general approach. As such, we chose to look at a class of genes (innate immunity) with strong

biological plausibility of involvement in gene interactions with the 3 common respiratory tract viruses. This nested hypothesis-based approach represents a compromise, it reduces the number of statistical tests performed compared with a GWIS, but it is not as focused as a genetic pathway approach.

METHODS

Study populations

Four well-characterized groups were used for this study of asthma and asthma-related phenotypes (Table 1). Informed consent was obtained from each patient or his or her guardians, and the study was approved by the research ethics board of each recruiting center.

The Canadian Asthma Primary Prevention Study (CAPPS)

This prospective birth cohort assessed the effectiveness of a multifaceted intervention program designed to prevent the development of asthma and other atopic disorders in 549 high-risk children who had a family history of allergies.²⁵ The children were recruited from Vancouver and Winnipeg, Canada, and have been assessed by a pediatric allergist at 3 time points for the presence of allergic phenotypes. A total of 545 families were initially recruited into the study, and 380 families were available for analysis by the end of 7 years of follow-up.²⁶ The presence of PIV, RSV, or picornavirus was tested at 2 weeks and 3, 8, and 12 months of age, as previously described.^{19,27,28} Details of the laboratory protocols have been previously published.^{19,27,28} Nasal swabs were tested for each virus, and the sensitivity for detection by means of RT-PCR was 10² to 10³ copies of virus-specific nucleic acid within a specimen.¹⁹

The Study of Asthma Genes and the Environment (SAGE)

This study included 723 children and their parents who were recruited from a population-based sample of 16,320 children born in Manitoba, Canada, in 1995.²⁹⁻³¹ A total of 3,586 children participated in a survey in 2002, of whom 392 had asthma, 192 had hay fever or food allergy, and 3,002 had none of these conditions.

All children with asthma or allergy were invited to participate in a nested case-control study in addition to a sample of control subjects representative of both urban and rural environments.

The Saguenay–Lac-Saint-Jean and Québec City Familial Asthma Collection (SLSJ)

This collection is comprised of 306 families from the Saguenay–Lac-Saint-Jean (n = 227) and Québec City (n = 79) regions of Québec, Canada.³²⁻³⁴ A family was deemed acceptable for the study on identification of an asthmatic proband whose 4 grandparents were of French-Canadian ancestry. Each subject completed a modified American Thoracic Society respiratory questionnaire.

The Busselton Health Study Population. Residents of the town of Busselton in the southwest of Western Australia have been involved in a series of health surveys since 1966. Subjects attended one of 6 cross-sectional surveys from 1966 to 1981 and the follow-up survey in 1994. A nested case-control study was designed from this population that included subjects who participated in 1 or more surveys and had a methacholine challenge. Cases and control subjects were defined by the presence (n = 644) or absence (n = 749) of asthma.^{35,36}

Phenotype definitions

Asthma was defined as doctor-diagnosed asthma at 7 years of age in the CAPPS and SAGE cohorts based on history and physical examination without knowledge of the results of methacholine and allergy skin tests. In the SLSJ sample asthma was diagnosed by asthma specialists, and in the Busselton Study asthma was defined as self-reported doctor-diagnosed asthma. Atopy was defined as at least 1 positive response (ie, wheal diameter ≥3 mm or more than that elicited by the negative control at 10 minutes). AHR was defined as a PC₂₀ FEV₁ of less than 3.2 mg/mL for CAPPS and SAGE subjects or less than 8 mg/mL for SLSJ subjects or a PD₂₀ of 3.9 μmol or less for Busselton subjects. Because AHR is more prevalent in children,^{37,38} we used a PC₂₀ of less than 3.2 mg/mL because it yields the greatest sum of sensitivity and

TABLE I. Sample size and characteristics of the 4 study populations

Study design	Family-based trios				Case-control	
Sample	CAPPS	SAGE	SLSJ	Total	Busselton	Total
Families	545	723	306	1574		
Subjects genotyped	1316	1466	1234	4016	1549	1549
				No. of cases	No. of control subjects	
Complete trios						
Asthma*†	57	139	379	575	644	751
Atopy*†	135	190	362	687	620	575
AHR*†	170	120	278	568	213	814
Atopic asthma*†	43	92	305	440	382	400
Characteristics						
Sex, male/female	1.05/1	1.26/1	1/1.32	1/1.46	1/1.26	
Ethnicity, white	301 (79%)	525 (73%)	100%	100%	100%	

*Indicates the number of complete trios (genotypes on both parents and the affected child) with this phenotype classification who were eligible for the analysis (ie, passed all QC controls) in each study.

†In the Busselton Study this indicates the number of cases with the phenotype and the number of control subjects for that phenotype.

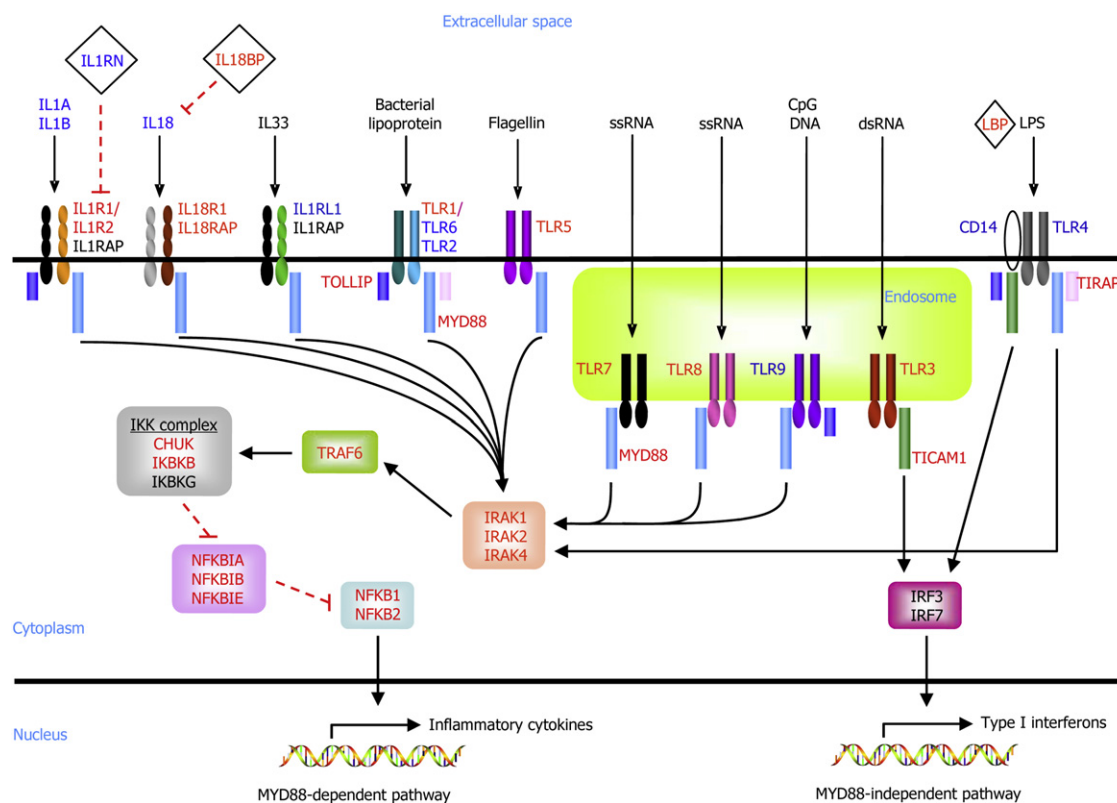


FIG 1. IL-1R/TLR signaling pathways. Genes reported in the current study are highlighted in red, and genes reported in our previous study²⁴ are highlighted in blue.

specificity in children.³⁷ Atopic asthma was defined as patients given a diagnosis of both asthma and atopy.

Gene/TagSNP selection and genotyping

Twenty-six candidate innate immunity genes that had comprehensive SNP discovery data available from the Innate Immunity and SeattleSNPs Programs for Genomic Applications were selected (see Table E1 in this article's Online Repository at www.jacionline.org). Fig 1 shows genes in the innate immune system, and those included in this study are indicated in red. We have

previously studied²⁴ 11 other innate immunity genes in the same study populations (see Table E1); for these genes, main genetic effects are not presented, but we do present the SNP-virus interaction effects.

TagSNPs were selected by using an "LD-tag SNP" approach and a linkage disequilibrium (LD) selection algorithm developed by Carlson et al.³⁹ The details of the genotyping and data cleaning have been previously published.²⁴ A total of 321 SNPs were studied, and SNPs were retained for analysis if they had a minimum call rate of 90%, a maximum of 4 Mendelian errors, and a maximum of 1 reproducibility error and showed consistency with Hardy-Weinberg equilibrium at a *P* value of greater than .001.

TABLE II. Clinical characteristics of subjects in the viral analyses

	All	Asthma		Atopy		Atopic asthma		AHR	
		Control subjects	Cases	Control subjects	Cases	Control subjects	Cases	Control subjects	Cases
No. included	280	225	55	158	115	144	40	100	155
Sex (% male)	53.9	50.7	69.1	47.5	60.9	45.8	70.0	53.0	55.5
Mother allergic (%)	60.0	56.9	72.7	53.8	70.4	52.1	75.0	62.0	62.6
Father allergic (%)	50.4	53.8	36.4	50.6	51.3	53.5	40.0	50.0	52.3
Maternal education (% high)	62.9	62.2	65.5	62.7	60.9	63.2	65.0	59.0	62.6
Mother smoking during pregnancy (%)	5.7	6.2	3.6	6.3	6.1	6.9	2.5	9.0	3.9
Duration of breast-feeding (%)									
Never	7.5	7.6	7.3	8.2	7.8	7.6	7.5	9.0	5.8
<4 mo	12.5	11.6	16.4	10.8	13.9	10.4	17.5	17.0	10.3
≥4 mo	80.0	80.8	76.3	81.0	78.3	82.0	75.0	74.0	83.9
Smoke exposure in the house (%)	20.0	19.6	21.8	21.5	20.0	21.5	20.0	22.0	20.6
Dog at home (%)	27.5	26.7	30.9	31.6	21.7	29.9	22.5	36.0	22.6
Cat at home (%)	20.4	19.6	23.6	21.7	20.0	21.5	27.5	26.0	16.1
Other children <12 y at home (%)									
0	7.5	6.2	12.7	7.0	7.8	6.9	15.0	9.0	6.5
1	56.1	56.4	54.5	53.2	59.1	52.1	52.5	54.0	56.1
≥2	26.8	27.1	25.5	29.7	23.5	31.3	27.5	28.0	28.4
Day care age 1 (%)	7.9	7.6	9.1	7.6	7.0	6.3	5.0	6.0	8.4
RSV (%)									
All	39.3	38.7	41.8	39.9	39.1	38.2	37.5	43.0	38.0
Center, Vancouver	13.9	15.1	9.1	17.1	10.4	17.4	7.5	16.0	12.9
Intervention	7.9	8.4	5.5	10.1	5.2	10.4	5.0	9.0	7.7
Control	6.0	6.7	3.6	7.0	5.2	7.0	2.5	7.0	5.2
Center, Winnipeg	25.4	23.6	32.7	22.8	28.7	20.8	30.0	27.0	25.1
Intervention	13.6	14.2	10.9	11.4	17.4	12.5	15.0	14.0	14.2
Control	11.8	9.4	21.8	11.4	11.3	8.3	15.0	13.0	10.9
PIV (%)									
All	46.8	45.8	50.9	47.5	45.2	47.2	50.0	48.0	47.7
Center, Vancouver	28.2	29.3	23.6	33.5	20.9	33.3	17.5	32.0	29.0
Intervention	15.7	16.9	10.9	17.7	13.0	18.1	10.0	20.0	15.5
Control	12.5	12.4	12.7	15.8	7.9	15.2	7.5	12.0	13.5
Center, Winnipeg	18.6	16.5	27.3	14.0	24.3	13.9	32.5	16.0	18.7
Intervention	8.9	8.9	9.1	5.7	13.9	6.3	12.5	8.0	9.0
Control	9.7	7.6	18.2	8.3	10.4	7.7	20.0	8.0	9.7
Picornavirus (%)									
All	66.8	68.9	58.2	67.1	65.2	68.1	55.0	65.0	67.1
Center, Vancouver	35.0	37.8	23.6	40.5	27.0	42.4	22.5	37.0	35.5
Intervention	19.3	21.3	10.9	22.2	14.8	23.6	12.5	23.0	19.4
Control	15.7	16.5	12.7	18.3	12.2	18.8	10.0	14.0	16.1
Center, Winnipeg	31.8	31.1	34.6	26.6	38.2	25.7	32.5	28.0	31.6
Intervention	16.8	17.3	14.5	10.2	26.1	11.1	20.0	15.0	16.1
Control	15.0	13.8	20.1	16.4	12.1	14.6	12.5	13.0	15.5
Center, Vancouver (%)	44.6	48.0	30.9	51.3	34.8	52.1	25.0	47.0	45.2
Center, Winnipeg (%)	55.4	52.0	69.1	48.7	65.2	47.9	75.0	53.0	54.8
Intervention (%)	52.9	55.6	41.8	47.5	60.0	50.7	52.5	51.0	56.1

Note: This table includes information for 280 CAPPS white children having asthma status and viral information.

Day care age 1 (%), Percentage attending day care before age 1 y; *Smoke exposure in the house (%)*, percentage with smokers living in the home.

Statistical analysis and correction for multiple testing

Associations between SNPs and the 4 phenotypes were tested by using a general additive allelic likelihood ratio test, as implemented in UNPHASED,^{40,41} which uses a retrospective conditional likelihood similar to the transmission disequilibrium test⁴² for the family-based studies and a standard retrospective case-control likelihood for case-control designs.

The details of the statistical analysis and correction for multiple testing have been previously published.^{24,43}

Viral main effects

Main effects of viral infection were tested in CAPPS. A child was considered exposed to a specific viral subtype if they had a positive PCR result for that virus

during the first 12 months of life. ORs were calculated by using logistic regression, with viral exposure as the predictor and asthma, atopy, atopic asthma, and AHR as dependent variables. Risks for asthma, atopy, and atopic asthma were evaluated at 3 times points (12 and 24 months and 7 years of life). Clinical characteristics for the CAPPS cohort are provided in Table II. Because the incidence for asthma, atopy, and atopic asthma (all 7 year phenotypes) differed significantly by recruitment center (Table II) and intervention status, a center and intervention covariates were included in the regression equation to adjust for these effects.

Viral interactions

Interactions between viral exposures and SNPs were tested with the inclusion of an interaction term (SNP-virus exposure) in the logistic regression

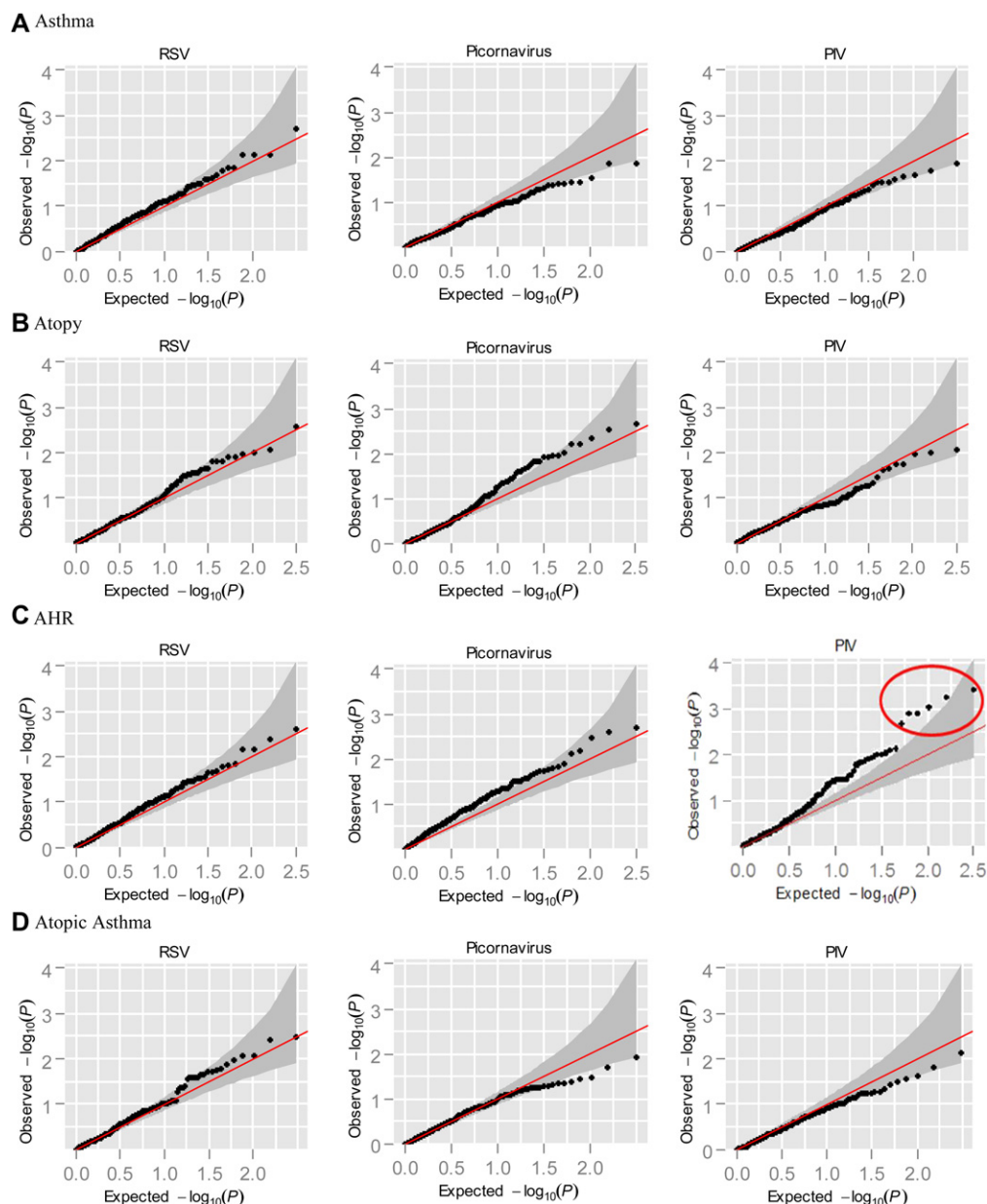


FIG 2. QQ plots showing the P value distributions for the interaction term (SNP-virus) plotted against the expected distributions (indicated by the red diagonal line). The 95% CI is indicated by the shaded area. QQ plots have been provided for each virus and phenotype.

by using only 7-year phenotypes because these are the most reliable. Interactions were tested by using both case-control and family-based methods. All results were adjusted for recruitment center and intervention group. For SNPs and interaction terms with P values of .05 or less, a permutation procedure was performed to determine the P value from an empiric distribution because the nominal P values obtained from statistical software are based on the asymptotic large sample theory. The empiric distribution was obtained by randomly assigning affection (case/control) and infection status to subjects (exposed vs unexposed). An association test is then performed, and the P value is recorded; this procedure was repeated 30,000 times. The number of times a P value is less than or equal to the observed P value was determined and is represented as the permutation P value. For our family-based analysis, the affection status and exposure values were randomly assigned to 1 of 4 possible offspring genotypes based on parental mating type, association tests were performed and repeated 30,000 times, and the number of times a P value

was less than or equal to the observed P value was determined. Quantile-quantile (QQ) plots, which show the P value distribution for the interaction term (SNP-virus) plotted against the expected distribution, are given for each virus and phenotype (Fig 2); the expected distribution is denoted by the line, and the 95% CI has been shaded. When a large number of tests are performed, a review of the QQ plots, which evaluate the distribution of the observed P values, might be more informative than evaluating statistically significant observations.

RESULTS

Joint analysis for SNP main effects

In the joint analyses of all 4 cohorts, SNPs in *IL1R2* (rs740044) and *TLR1* (rs4543123) were associated with atopy after

TABLE III. Significant associations in CAPPS, SAGE, SLSJ, and the Busselton Health Study (Busselton) for the phenotypes of asthma, atopy, atopic asthma, and AHR

Type*	Gene	SNP†	Phenotype	CAPPS			SAGE			SLSJ			Busselton			Combined		
				OR	P value	cP value‡	OR	P value	cP value‡	OR	P value	cP value‡	OR	P value	cP value‡	OR	P value	cP value‡
A	<i>IL1R2</i>	rs740044	Atopy	0.73	.1528	1.0000	0.81	.2407	1.0000	0.77	.0349	.8417	0.84	.0438	.7932	0.80	.0007	.0153
A	<i>TLR1</i>	rs4543123	Atopy	0.87	.5223	1.0000	0.75	.1014	.9126	0.87	.2866	1.0000	0.81	.0351	.3161	0.82	.0043	.0387
A	<i>NFKBIA</i>	rs3138052	AA	0.71	.3162	1.0000	0.44	.0017	.0303							0.53	.0019	.0337
A	<i>LBP</i>	rs2232580	Atopy	4.00	.0007	.0141	1.05	.8728	1.0000	0.92	.6798	1.0000				1.20	.2394	1.0000
		rs5741812	Atopy	2.26	.0020	.0423	1.00	1.0000	1.0000	0.69	.3345	1.0000	0.94	.6096	1.0000	1.05	.5944	1.0000
A	<i>NFKBIB</i>	rs3136641	Atopy	1.87	.0014	.0260	1.05	.7868	1.0000	1.16	.2193	1.0000	1.03	.7748	1.0000	1.14	.0423	.7609
A	<i>CHUK</i>	rs3808916	AA	§	.0018	.0221	1.30	.5310	1.0000	1.35	.1116	1.0000	1.05	.8200	1.0000	1.14	.3203	1.0000
A	<i>NFKBIA</i>	rs2233419	AA	1.08	.8415	1.0000	0.41	.0016	.0294	0.97	.8597	1.0000	1.04	.7815	1.0000	0.92	.3539	1.0000
A	<i>TLR5</i>	rs2241096	AHR	0.86	.5860	1.0000	2.40	.0028	.0255	1.20	.3932	1.0000	0.91	.6116	1.0000	1.14	.2630	1.0000
A	<i>IL18RAP</i>	rs917998	AHR	1.17	.6308	1.0000	1.83	.0840	1.0000	0.48	.0006	.0178	0.58	.0059	.1599	0.70	.0033	.0907
A	<i>NFKBIE</i>	rs520639	Atopy	0.92	.7728	1.0000	0.90	.6910	1.0000	0.97	.8206	1.0000	1.45	.0036	.0408	1.15	.0988	1.0000
A	<i>TLR3</i>	rs1519309	AA	0.67	.2044	1.0000	1.06	.8137	1.0000	0.98	.8613	1.0000	1.41	.0012	.0220	1.15	.0602	1.0000
A	<i>IKBKB</i>	rs3747811	AHR	0.94	.6860	1.0000	0.92	.6920	1.0000	1.06	.6051	1.0000	0.71	.0017	.0248	0.90	.1118	1.0000
		rs10958713	AHR	1.00	1.0000	1.0000	1.21	.3880	1.0000	0.90	.3757	1.0000	0.68	.0011	.0169	0.86	.0270	.4054
A	<i>LBP</i>	rs12624843	AHR	0.91	.5763	1.0000	0.89	.5599	1.0000	0.89	.3921	1.0000	1.40	.0025	.0443	1.07	.3134	1.0000
C	<i>IL1R2</i>	rs740044	Atopy	0.80	.3453	1.0000	0.88	.4944	1.0000	0.77	.0349	.8417	0.84	.0438	.7932	0.82	.0021	.0447
C	<i>TLR5</i>	rs2241096	Atopy	1.00	1.0000	1.0000	1.67	.0816	.7347	1.28	.2072	1.0000	1.33	.0377	.3398	1.33	.0055	.0494
C	<i>CHUK</i>	rs3808916	AA	§	.0039	.0471	1.00	1.0000	1.0000	1.35	.1116	1.0000	1.05	.8200	1.0000	1.12	.3823	1.0000
C	<i>IL18R1</i>	rs7558013	AHR	1.06	.7630	1.0000	2.50	.0011	.0341	0.64	.0039	.1168	0.85	.2049	1.0000	0.90	.1986	1.0000
C	<i>IL18RAP</i>	rs6543135	AHR	1.06	.7606	1.0000	2.50	.0011	.0307	0.66	.0065	.1988	0.85	.1953	1.0000	0.90	.2227	1.0000

P values that are statistically significant ($P < .05$) after correction for multiple testing are shown in boldface.

AA, Atopic asthma.

*Analysis type A indicates all subjects, and analysis type C indicates white subjects only.

†SNPs listed using the unique rs (reference SNP) number assigned by the National Center for Biotechnology Information (www.ncbi.nlm.nih.gov).

‡P value after correction for the number of SNPs being tested and the number of phenotypes.

§Stable OR estimate not available.

correction for multiple comparisons (Table III). In addition, rs3138052 in *NFKBIA* was associated with atopic asthma in the CAPPS and SAGE cohorts (genotypic information was unavailable for this SNP in the other cohorts). In all 3 associations the minor allele was protective (ORs, 0.53-0.82). The complete analysis of all SNPs in the cohorts is shown in Table E2 in this article's Online Repository at www.jacionline.org.

Analysis by individual study sample

In separate analyses of each of the 4 cohorts after correction for multiple comparisons, 2 SNPs in *LBP* (rs2232580 and rs5741812) were associated with atopy in the CAPPS cohort (Table III). Other associations in the CAPPS cohort were rs3136641 in *NFKBIB* with atopy and rs3808916 in *CHUK* with atopic asthma.

Two associations were observed in the SAGE cohort: 1 SNP in *NFKBIA* (rs2233419) with atopic asthma and rs2241096 in *TLR5* with AHR (Table III). In the SLSJ cohort 1 polymorphism (rs917998) in *IL18RAP* was associated with AHR.

There were 5 significant associations observed in analyses of the Busselton cohort (Table III). The rs520639 polymorphism in the *NFKBIE* gene was associated with atopy, and the rs1519309 SNP in *TLR3* was associated with atopic asthma. Two SNPs in the *IKBKB* gene (rs3747811 and rs10958713) were associated with AHR. The LD between these polymorphisms in this cohort was an r^2 value of 0.59. One polymorphism in the *LBP* gene (rs12624843) was also associated with AHR.

Analysis of samples of white subjects

As in the joint analysis of all 4 cohorts described above, *IL1R2* rs740044 was associated with atopy in white subjects only (Table

III). The associations with the *TLR1* (rs4543123) and *NFKBIA* (rs3138052) SNPs were not seen in the white subjects only. An additional association (rs2241096 SNP in *TLR5*) was seen in the white subjects only in all 4 cohorts. The complete analysis of the white subjects for all SNPs is shown in Table E3 in this article's Online Repository at www.jacionline.org.

There were 3 associations observed in the analysis of white subjects only in the individual cohorts: rs3808916 in *CHUK* with atopic asthma, rs7558013 in *IL18R1* with AHR, and rs6543135 in *IL18RAP* with AHR. The SLSJ and Busselton cohorts only contained white subjects, and therefore the associations in these cohorts when analyzed individually are as shown in the previous section.

Viral main effects

There were no significant main effects for the association of any viral infection with asthma, atopy, atopic asthma, and AHR (see Table E4 in this article's Online Repository at www.jacionline.org). However, we note that the main effect of the virus often differs depending on the recruitment center. For example, for atopic asthma, the OR for picornavirus infection was 1.98 (95% CI, 0.23-17.12) in Vancouver, whereas there was a protective effect in Winnipeg (OR, 0.68; 95% CI, 0.29-1.62). This is likely due to the striking differences in the incidence rates for atopic asthma and the prevalence of picornavirus infection between the 2 recruitment centers (Table II).

Viral interactions

Table IV lists all significant ($P \leq .05$ confirmed by 30,000 permutations) SNP-virus interactions for asthma, atopy, atopic asthma, and AHR at 7 years of age, with both nominal P values

TABLE IV. Significant viral interactions (must be significant in both case-control and family-based analysis and verified as significant by means of permutation) for asthma, atopy, atopic asthma, and AHR at 7 years adjusted for recruitment center and intervention group

Main effect of polymorphism, for asthma, atopy, atopical asthma, and AHR, 20 years adjusted for sex, age, and ethnic group										
Phenotype	Virus	SNP	Gene	Main effect of SNP, OR (95% CI)	P value	Main effect of virus, OR (95% CI)	P value	Interaction virus-SNP, OR (95% CI)	P value	pp value*
Asthma	Picornavirus	rs4608848	TLR3	3.69 (1.62-8.41)	.002	2.05 (0.67-6.24)	.206	0.27 (0.10-0.76)	.013	.0151
		rs11721827	TLR3	4.49 (1.60-12.63)	.004	1.03 (0.47-2.29)	.935	0.27 (0.07-0.99)	.048	.0951
	RSV	rs543810	IL18	0.19 (0.04-0.83)	.027	0.57 (0.27-1.20)	.138	17.70 (2.86-109.42)	.002	.0006
		rs3771156	IL18RAP	1.62 (0.84-3.16)	.152	2.00 (0.87-4.57)	.101	0.23 (0.07-0.76)	.016	.0135
		rs3771172	IL18R1	1.63 (0.84-3.16)	.151	1.97 (0.86-4.50)	.107	0.24 (0.07-0.80)	.020	.0170
		rs1041973	IL1RL1	0.67 (0.33-1.38)	.276	0.53 (0.22-1.26)	.151	3.44 (1.16-10.16)	.026	.0337
		rs949963	IL1R1	0.77 (0.35-1.69)	.512	0.56 (0.24-1.33)	.192	3.57 (1.10-11.57)	.034	.0439
		rs913930	TLR4	0.49 (0.25-0.97)	.040	0.53 (0.22-1.28)	.158	2.82 (1.07-7.43)	.035	.0381
Atopy	Picornavirus	rs5743551	TLR1	2.01 (1.01-4.00)	.047	1.84 (0.91-3.74)	.091	0.26 (0.10-0.63)	.003	.002
	PIV	rs4648004	NFKB1	2.27 (1.32-3.90)	.003	2.09 (0.95-4.60)	.068	0.45 (0.21-0.95)	.035	.033
	RSV	rs10004195	TLR10	0.52 (0.29-0.95)	.034	0.50 (0.26-0.99)	.046	3.04 (1.24-7.47)	.015	.013
		rs10776483	TLR10	0.45 (0.22-0.92)	.028	0.54 (0.29-1.03)	.061	3.29 (1.26-8.58)	.015	.013
	rs440286	IL1RN	2.11 (1.25-3.56)	.005	1.48 (0.74-2.95)	.267	0.34 (0.13-0.86)	.023	.020	
	rs671492	TIRAP	1.72 (1.04-2.86)	.036	1.39 (0.71-2.71)	.341	0.37 (0.15-0.87)	.023	.023	
	rs4543123	TLR1	0.51 (0.28-0.93)	.028	0.53 (0.27-1.04)	.065	2.84 (1.14-7.07)	.025	.022	
	rs3213448	IL1RN	2.33 (1.07-5.05)	.032	1.12 (0.62-2.03)	.696	0.26 (0.08-0.86)	.028	.025	
	rs646005	TIRAP	0.80 (0.50-1.27)	.343	0.39 (0.17-0.92)	.030	2.53 (1.10-5.81)	.029	.028	
	rs5743794	TLR6	0.69 (0.37-1.27)	.232	0.55 (0.29-1.05)	.068	2.78 (1.10-6.98)	.030	.028	
	rs315931	IL1RN	2.15 (1.28-3.60)	.004	1.50 (0.72-3.14)	.283	0.42 (0.19-0.96)	.040	.039	
	Picornavirus	rs1519309	TLR3	0.69 (0.41-1.17)	.171	0.47 (0.22-1.01)	.054	2.31 (1.03-5.21)	.043	.041
		rs740044	IL1R2	1.71 (0.75-3.92)	.203	1.55 (0.53-4.48)	.420	0.24 (0.07-0.89)	.033	.031
	PIV	rs4251431	IRAK4	11.45 (0.94-139.23)	.056	0.97 (0.42-2.25)	.944	0.04 (0.00-0.82)	.037	.383
	RSV	rs1056890	NFKB2	1.30 (0.60-2.80)	.502	5.57 (1.74-17.80)	.004	0.20 (0.05-0.73)	.015	.014
rs10776483		TLR10	0.24 (0.06-0.88)	.032	0.35 (0.13-0.97)	.044	12.99 (2.33-72.40)	.003	.004	
rs5743562		TLR1	0.31 (0.08-1.16)	.082	0.33 (0.11-0.93)	.036	12.25 (2.24-66.95)	.004	.004	
rs5743794		TLR6	0.32 (0.09-1.16)	.082	0.37 (0.13-1.03)	.056	8.50 (1.71-42.19)	.009	.008	
rs5743551		TLR1	0.53 (0.21-1.34)	.179	0.30 (0.09-0.98)	.046	6.15 (1.47-25.79)	.013	.015	
rs11096957		TLR10	0.44 (0.19-1.01)	.052	0.29 (0.09-0.97)	.044	5.04 (1.36-18.72)	.016	.020	
rs4543123		TLR1	0.45 (0.16-1.21)	.114	0.39 (0.13-1.15)	.088	5.34 (1.21-23.52)	.027	.027	
AHR	Picornavirus	rs5741812	LBP	0.38 (0.14-1.03)	.056	0.84 (0.45-1.58)	.588	3.48 (1.01-11.97)	.048	.060
	rs352163	TLR9	0.60 (0.33-1.09)	.095	0.53 (0.20-1.36)	.184	2.10 (1.01-4.39)	.048	.050	
	PIV	rs1039559	TLR6	0.48 (0.27-0.83)	.008	0.28 (0.11-0.70)	.007	4.11 (1.88-8.99)	.0004	.0003
		rs11096957	TLR10	1.95 (1.08-3.53)	.028	2.85 (1.26-6.44)	.012	0.24 (0.10-0.56)	.0009	.0008
	rs10008492	TLR10	1.78 (1.00-3.16)	.049	3.08 (1.30-7.29)	.010	0.25 (0.11-0.59)	.0013	.0015	
	rs10776483	TLR10	2.14 (1.01-4.53)	.046	1.91 (0.98-3.74)	.059	0.21 (0.08-0.57)	.0021	.0022	
	rs917998	IL18RAP	1.09 (0.47-2.54)	.845	1.50 (0.81-2.76)	.198	0.16 (0.04-0.62)	.0078	.0087	
	rs1558642	IL1R1	2.60 (1.28-5.26)	.008	1.73 (0.88-3.37)	.110	0.27 (0.10-0.71)	.0080	.0077	
	rs2192752	IL1R1	2.60 (1.28-5.27)	.008	1.73 (0.88-3.38)	.110	0.28 (0.10-0.73)	.0093	.0091	
	rs4543123	TLR1	1.99 (0.99-4.00)	.052	1.73 (0.87-3.45)	.117	0.32 (0.13-0.80)	.0147	.0155	
	rs3213733	IL18R1	0.57 (0.30-1.09)	.089	0.71 (0.37-1.36)	.300	2.69 (1.07-6.77)	.0349	.0388	
	rs10176820	IL18RAP	0.57 (0.30-1.09)	.089	0.71 (0.37-1.36)	.300	2.69 (1.07-6.77)	.0349	.0409	
	rs2075186	IL18RAP	0.57 (0.30-1.09)	.089	0.71 (0.37-1.36)	.300	2.69 (1.07-6.77)	.0349	.0388	
	rs6531670	TLR6	1.58 (0.92-2.72)	.100	1.79 (0.85-3.79)	.127	0.44 (0.19-0.98)	.0349	.0389	
	RSV	rs3136641	NFKB1B	0.74 (0.44-1.25)	.266	0.46 (0.22-0.98)	.044	2.78 (1.12-6.91)	.028	.031

SNPs that are also significant in the analysis of main genetic effects (see Table III) are shown in boldface.

*Permutation *P* value for interaction tests, *P* value was determined using 30,000 permutations.

and those determined by using permutation. SNPs must be significant in both case-control and family-based analyses to be included in this table. Six SNPs (rs1519309 [*TLR3*], rs740044 [*IL1R2*], rs4543123 [*TLR1*], rs5741812 [*LBP*], rs917998 [*IL18RAP*], and rs3136641 [*NFKB1B*]) are significant in both the combined analysis of main genetic effects (Table III) and SNP-virus interaction analyses in both case-control and family-based methods, and the significance of the *P* values has been confirmed by using permutation testing (Table IV). Additionally, the *TLR1* variant (rs4543123) is associated with both multiple viruses (RSV and PIV) and multiple phenotypes (AHR and atopic asthma). QQ (Fig 2) plots indicate that there are fewer significant

SNP-virus (picornavirus and PIV) interactions than would have been expected given the number of tests performed for asthma and an excess number of SNP-viral infections (picornavirus and RSV) for atopy than would have been expected based on the number of tests performed, as evidenced by the early deviation of the observed line at approximately 1.0 on the x-axis. This early deviation borders the 95% CI. For atopic asthma, the QQ plots demonstrate fewer interactions than would be expected for picornavirus and PIV, whereas there was an increased number of interactions between 1.1 and 2.0 $-\log_{10}(p)$ than would have been expected for RSV. For AHR, the QQ plots show a deviation from the expected distribution for all 3 viruses, with the most

striking deviation being for PIV and AHR. SNPs with minor allele frequencies of 0.05 or less were removed and the QQ plots were redrawn to determine the dependency and sensitivity of our findings to rare variants. The observed distributions and our conclusions did not change (data not shown). A complete table of significant interaction results is provided in Table E5 in this article's Online Repository at www.jacionline.org, and results for all SNPs are provided in Tables E6 to E17 in this article's Online Repository at www.jacionline.org (case-control approach).

Tables E17 to E21 in this article's Online Repository at www.jacionline.org list all nominally significant ($P \leq .05$) SNP-virus interactions by using a family-based approach with both nominal P values and those determined by using permutation.

Supplemental Web resource

Given the volume of results, a supplemental Web resource is available at <http://genapha.icapture.ubc.ca/viraltables/viraltables.html>.

DISCUSSION

This is the first comprehensive assessment of innate immunity genes and asthma-related phenotypes that includes SNP-virus interactions in a prospective study of children at high risk for asthma and related phenotypes. Strengths of our approach include the prospective longitudinal design, comprehensive assessment of innate immunity genes, use of permutation to determine interaction P values, and use of both case-control and family-based models demonstrating that interaction effects are not due to population stratification.⁴⁴

We found 2 novel associations (rs740044 in *IL1R2* and rs4543123 in *TLR1*) with atopy in joint analysis. *IL1R2* encodes the type II receptor for IL-1, and the soluble form inhibits the actions of IL-1 by acting as a decoy receptor.⁴⁵ The rs740044 polymorphism is located in the region upstream of *IL1R2* approximately 8 kb from the start of transcription. This polymorphism is in strong LD with several other SNPs in the 5' region (see Table E3). Further investigation will be required to determine whether any of these polymorphisms affect the regulation of the gene and are therefore likely to be causal for the association.

This is the first description of an association of *IL1R2* polymorphisms with atopy and the first report of rs740044 in the context of asthma-related phenotypes, although a previous study of a Japanese population demonstrated association of an *IL1R2* polymorphism with aspirin hypersensitivity in asthmatic patients.⁴⁶ This same polymorphism was identified as interacting with picornavirus infection (Table IV) to modify the risk for atopic asthma in children from the CAPPS cohort.

TLR1 functions as a heterodimer with TLR2 to act as a receptor for bacterial lipoproteins.⁴⁷ The rs4543123 polymorphism is located in the region flanking the 3' end of the *TLR1* gene approximately 5 kb from the termination of transcription. The rs4543123 SNP is in strong LD with several nearby polymorphisms, including variants in the *TLR10* gene. The function of TLR10 is not well defined, but the results of a recent study suggest that this receptor binds to a similar repertoire of lipoproteins as TLR1.⁴⁸ The rs4543123 SNP is in perfect LD with rs4833095, an amino acid substitution (Asn²⁴⁸ → Ser) in the *TLR1* coding region.

Three *TLR1* polymorphisms were tested for association with asthma-related phenotypes in a German population, and 2 of

them (rs5743595 and rs4833095) were associated with childhood atopic asthma after correction for multiple comparisons.⁴⁹ Both variants were protective against atopic asthma and resulted in increased TLR1 mRNA and protein levels. Therefore these results are consistent with our data, although the causal SNP underlying these associations remains to be determined. We also found evidence to support that *TLR1* (rs4543123) interacts with RSV infection to modify the risk for atopic asthma and evidence to support an interaction with PIV infection that modifies the risk for AHR.

We found a novel association of rs3138052 in *NFKBIA* with atopic asthma in the CAPPS and SAGE cohorts combined. *NFKBIA* is one of the inhibitory IκB proteins that form dimers with nuclear factor κB and thus maintain the transcription factor in the cytoplasm in an inactive form. Interestingly, there were 3 additional polymorphisms in IκB genes that were associated with asthma-related phenotypes in the individual cohort. Further associations were found with variants in genes that code for the IKK complex (ie, *CHUK* [also known as *IKBKA*] and *IKBKB*), suggesting an important role for polymorphisms in genes involved in nuclear factor κB regulation in the development of allergy and asthma phenotypes.

We also found that 3 polymorphisms in the *LBP* gene were associated with atopy or AHR in the individual cohorts. LBP protein is an acute-phase serum protein that binds to the LPS in the cell wall of Gram-negative bacteria.⁵⁰ LBP binds to LPS in a complex with bactericidal permeability-increasing protein, and this ternary complex interacts with membrane-bound CD14.^{51,52} Polymorphisms in *LBP* have not previously been associated with asthma or related phenotypes.

We observed associations with variants in 3 receptor genes in the IL-1R/TLR superfamily (*TLR3*, *TLR5*, and *IL18RAP*) in the individual cohorts. There have been no previous reports of polymorphisms in *TLR3* or *TLR5* being associated with asthma or atopy. Previous studies have found that polymorphisms in the *IL1RL1*, *IL18R1*, and *IL18RAP* gene cluster on chromosome 2q were associated with asthma, AHR, and total serum IgE levels.^{53,54} Determination of causality for these associations is difficult because of the strong LD that is found in this chromosomal region.

We found that the distribution for SNP-virus interactions deviated from expected, with an excess of associations early in the QQ distribution for all 3 viruses (PIV, RSV, and picornavirus) and AHR in our case-control analyses. The QQ plot for interactions with SNP-PIV for the AHR phenotype indicates extreme deviation at the tail end of the distribution. These SNPs are located in 2 genes (*TLR6* and *TLR10*) and were identified in both case-control and family-based analyses, and permutation testing confirmed the significance of these findings. RSV was associated with an increased number of SNP-virus interactions for atopy and atopic asthma, but again, this was early in the distribution, and we observed no excess in the tails of the distribution. We observed fewer SNP-virus interactions than expected by chance for asthma and atopic asthma for picornavirus infection. Beyond a few highly significant observations for PIV-SNPs for AHR, the QQ plots demonstrate an excessive number of observations early in the distribution, suggesting that our study is underpowered to distinguish causal SNPs. Six SNPs (rs1519309 [*TLR3*], rs740044 [*IL1R2*], rs4543123 [*TLR1*], rs5741812 [*LBP*], rs917998 [*IL18RAP*], and rs3136641 [*NFKBIB*]) were significant ($P < .05$, confirmed with 30,000 permutations) in both the combined analysis of main genetic effects and SNP-virus interaction analyses in both

case-control and family-based methods. The *TLR1* variant (rs4543123) was associated with both multiple viruses (RSV and PIV) and multiple phenotypes.

We observed important differences in the incidence of asthma, atopy, atopic asthma, and AHR and large differences in infection rates for RSV and PIV between the 2 recruitment centers in the CAPPS cohort. These observations demonstrate the variability/heterogeneity of environmental exposures and the importance of controlling for these differences when estimating the effects of gene-environment interactions. Heterogeneity is likely to pose a major obstacle in the replication of gene-environment interactions, and careful consideration of the metrics of study design, exposure assessment, and measurement will be crucial in the analyses of gene-environment interaction effects.

Limitations to our study include a small sample size for interaction effects (280 children), likely misclassification of viral exposures because of the cross-sectional nature of the exposure assessment (nasal swabs), and the number of viral subtypes that could be detected at the time versus current technology. Additional limitations include the lack of symptom assessment at the time of nasal swab collection, which prohibits the correlation of respiratory symptoms, such as wheeze with viral infection. Finally, greater than 92% of the children had an older sibling in the home (Table II), which might confound some of our results and interpretations.

In conclusion, we have found several novel associations of variants in innate immunity genes with asthma, AHR, and atopy. This is preliminary evidence to support the concept that innate immunity genes and early viral exposure (first 12 months of life) interact to convey a predisposition to AHR in the absence of asthma or atopy. Ideally, we would have liked to replicate the gene-virus interactions reported in this article, but to our knowledge, there is no available comparable study in which genetics and viral testing have been done. Our future directions include the evaluation of these effects in the CAPPS cohort at the 15-year time point and replicating our findings in the Canadian Healthy Infant Longitudinal Development (CHILD) study, which is another Canadian prospective birth cohort that is currently underway and will be assessing viral exposures in the first year of life. Before firm conclusions can be drawn from these data, replication in other cohorts must be observed.

Key messages

- Polymorphisms in innate immunity genes increase susceptibility to asthma, atopy, atopic asthma, and AHR.
- Polymorphisms in innate immunity genes interact with early viral infections to increase susceptibility to AHR.
- Understanding of the mechanisms whereby genetic susceptibility and viral infections predispose to asthma and related traits might inform clinical medicine.

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There is a large volume of supplementary material which we will also be depositing into a web based depository. To facilitate the rapid review of these exciting results we have also established a web based repository. Here is the link that user can access all the files from one web page:

<http://genapha.icapture.ubc.ca/viraltables/viraltables.html>

and the the account to access the files:

User Name: allergen

Password: reppaper

Supplementary Table 1: Candidate innate immunity genes

Group	Gene	Other names	# SNPs	Notes
IL1/IL18 related	IL1A	IL1-alpha	6	Previously published ³²
	IL1B	IL1-beta	4	Previously published ³²
	IL1R1	IL1RA, IL1R	19	
	IL1R2	IL1RB	14	
	IL1RL1	ST2	9	Previously published ³²
	IL1RN	IL1RA	11	Previously published ³²
	IL18	IGIF	8	Previously published ³²
	IL18R1	IL18RA, IL1RRP	17	
	IL18RAP	IL18RB, ACPL	15	
	IL18BP		4	
TLRs	TLR1	TIL	7	
	TLR2	TIL4	8	Previously published ³²
	TLR3		9	
	TLR4	TOLL	15	Previously published ³²
	TLR5	TIL3	4	
	TLR6		6	Previously published ³²
	TLR7		15	Not included in this analysis as it is on the X-chromosome
	TLR8		10	Not included in this analysis as it is on the X-chromosome
	TLR9		5	Previously published ³²

	TLR10		6	Previously published ³²
Toll/IL1 receptor (TIR) adaptors	MYD88		5	
	TIRAP	MAL	12	
	TICAM1	TRIF	4	
	IRAK1	IRAK	4	Not included in this analysis as it is on the X-chromosome
	IRAK2		24	
	IRAK4	REN64	6	
	TOLLIP		20	
	TRAF6		11	
NFκB related	CHUK	IKBKA, NFKB1KA, IKKA, IKK1	4	
	NFKB1		17	
	NFKB2	LYT10	3	
	NFKBIA	NFKBI, IKBA	7	
	NFKBIB	IKBB, TRIP9	9	
	NFKBIE	IKBE	6	
	IKKB	NFKBIKB, IKKB, IKK2	7	
Others	LBP		12	
	CD14		7	Previously published ³²

Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
CD14	rs778583	5	NC	Ast	T	0.26	1.44	0.2610	1.0000	T	0.27	1.07	0.7557	1.0000	T	0.25	1.06	0.6186	1.0000	T	0.28	1.03	0.7136	1.0000	T	0.27	1.06	0.3859	1.0000
CD14	rs778584	5	NC	Ast	A	0.50	0.60	0.0600	0.5400	G	0.51	1.10	0.5929	1.0000	G	0.45	1.05	0.6134	1.0000	A	0.49	0.90	0.1753	1.0000	A	0.50	0.90	0.0649	0.7794
CD14	rs4914	5	CS	Ast	C	0.11	1.25	0.6370	1.0000	C	0.10	0.36	0.0029	0.0260	C	0.11	0.84	0.3063	1.0000	C	0.12	1.14	0.2672	1.0000	C	0.11	0.96	0.6742	1.0000
CD14	rs2569190**	5	NC	Ast	A	0.49	0.61	0.0647	0.1941	G	0.51	1.07	0.7216	1.0000	G	0.45	1.03	0.7994	1.0000	A	0.48	0.90	0.1476	0.4428	A	0.49	0.91	0.0856	0.2567
CD14	rs5744455	5	NC	Ast	T	0.24	1.54	0.2213	1.0000	T	0.23	1.05	0.8252	1.0000	T	0.19	1.04	0.7484	1.0000	T	0.24	1.07	0.4365	1.0000	T	0.23	1.08	0.2837	1.0000
CD14	rs2569193**	5	NC	Ast											A	0.25	1.01	0.9081	1.0000						A	0.25	1.01	0.9081	1.0000
CD14	rs3822356	5	NC	Ast	G	0.24	1.25	0.5045	1.0000	G	0.23	1.02	0.9115	1.0000	G	0.19	1.07	0.6070	1.0000	G	0.23	1.07	0.4417	1.0000	G	0.23	1.07	0.3027	1.0000
CHUK	rs3808916	10	NC	Ast	A	0.08	0.44	0.1601	1.0000	A	0.08	1.36	0.3832	1.0000	A	0.09	1.24	0.2054	1.0000	A	0.06	1.11	0.5045	1.0000	A	0.08	1.14	0.2088	1.0000
CHUK	rs3818411	10	NC	Ast	A	0.50	1.21	0.4919	1.0000	G	0.50	0.73	0.0788	0.9457	G	0.43	1.10	0.3568	1.0000	G	0.47	0.85	0.0316	0.2844	G	0.48	0.90	0.0733	0.8800
CHUK	rs17885986	10	NC	Ast	T	0.07	0.75	0.5923	1.0000	T	0.05	0.67	0.2717	1.0000	T	0.06	1.02	0.9207	1.0000	T	0.06	0.79	0.1266	1.0000	T	0.06	0.84	0.1308	1.0000
CHUK	rs17880383	10	CS	Ast	A	0.05	0.80	0.7386	1.0000	A	0.04	0.63	0.4033	1.0000	A	0.07	0.94	0.7606	1.0000	A	0.06	0.94	0.7113	1.0000	A	0.05	0.92	0.4822	1.0000
CHUK	rs11595324	10	NC	Ast	C	0.04	1.14	0.7962	1.0000	C	0.04	0.57	0.1980	1.0000	C	0.04	1.25	0.4132	1.0000						C	0.04	1.02	0.9165	1.0000
CHUK	rs17885645	10	NC	Ast	C	0.38	1.48	0.1642	1.0000	C	0.38	1.11	0.5707	1.0000	C	0.47	0.84	0.0879	1.0000	C	0.46	1.09	0.2524	1.0000	C	0.43	1.02	0.7102	1.0000
IKBKAP	rs10521090	9	NC	Ast	C	0.29	1.56	0.1582	1.0000	C	0.28	0.81	0.2872	1.0000	C	0.28	1.01	0.9038	1.0000	C	0.31	1.10	0.2612	1.0000	C	0.29	1.05	0.3910	1.0000
IKBKAP	rs1417714	9	NC	Ast	A	0.44	1.00	1.0000	1.0000	A	0.43	0.95	0.7868	1.0000	A	0.38	0.92	0.4432	1.0000	A	0.45	1.07	0.3896	1.0000	A	0.43	1.01	0.8977	1.0000
IKBKAP	rs7872727	9	NC	Ast	G	0.22	0.68	0.2874	1.0000	G	0.23	0.85	0.4911	1.0000	G	0.18	0.79	0.0642	1.0000	G	0.23	1.07	0.4744	1.0000	G	0.22	0.94	0.3898	1.0000
IKBKAP	rs10816750	9	NC	Ast	A	0.17	1.29	0.4789	1.0000	A	0.16	0.78	0.2848	1.0000	A	0.20	1.01	0.9510	1.0000	A	0.16	1.03	0.7666	1.0000	A	0.17	1.00	0.9503	1.0000
IKBKAP	rs1981268	9	NC	Ast	C	0.12	0.75	0.5923	1.0000	C	0.12	1.50	0.1782	1.0000	C	0.11	1.01	0.9319	1.0000						C	0.12	1.09	0.5676	1.0000
IKBKAP	rs4978753	9	NC	Ast	A	0.18	1.29	0.4789	1.0000	A	0.16	0.75	0.2312	1.0000	A	0.20	1.01	0.9510	1.0000	A	0.16	1.02	0.8147	1.0000	A	0.17	1.00	0.9854	1.0000
IKBKAP	rs2275496	9	NC	Ast	A	0.45	0.92	0.7728	1.0000	A	0.45	1.11	0.5438	1.0000	A	0.47	1.00	1.0000	1.0000	A	0.45	0.91	0.2204	1.0000	A	0.46	0.96	0.4523	1.0000
IKBKAP	rs10512388	9	NC	Ast	A	0.11	1.57	0.3438	1.0000	A	0.13	0.89	0.6802	1.0000	A	0.09	0.96	0.8501	1.0000	A	0.12	1.12	0.3367	1.0000	A	0.11	1.07	0.4825	1.0000
IKBKAP	rs4978374	9	NC	Ast	T	0.23	0.69	0.3345	1.0000	T	0.25	1.20	0.4247	1.0000	T	0.23	1.02	0.8549	1.0000	T	0.24	0.95	0.5504	1.0000	T	0.24	0.98	0.7762	1.0000
IKBKAP	rs3780507	9	NC	Ast	C	0.29	1.53	0.1683	1.0000	C	0.28	0.80	0.2732	1.0000	C	0.28	1.01	0.9552	1.0000	C	0.28	1.09	0.2963	1.0000	C	0.28	1.05	0.4589	1.0000
IKBKAP	rs10759326	9	CNS	Ast	C	0.19	1.46	0.3345	1.0000	C	0.18	0.83	0.4186	1.0000	C	0.15	0.91	0.5212	1.0000	C	0.19	1.11	0.2789	1.0000	C	0.19	1.03	0.6694	1.0000
IKBKAP	rs2275632	9	NC	Ast	A	0.06	1.00	1.0000	1.0000	A	0.07	0.80	0.5633	1.0000	A	0.04	1.14	0.6052	1.0000						A	0.06	1.02	0.9191	1.0000
IKBKAP	rs3818932	9	NC	Ast	G	0.30	1.26	0.4453	1.0000	G	0.29	0.98	0.9244	1.0000	G	0.32	1.18	0.1665	1.0000	G	0.28	0.85	0.0544	1.0000	G	0.29	0.96	0.5593	1.0000
IKBKAP	rs838827	9	CNS	Ast	A	0.05	2.33	0.1996	1.0000	A	0.05	1.00	1.0000	1.0000	A	0.05	0.75	0.2842	1.0000	A	0.06	1.26	0.1283	1.0000	A	0.06	1.13	0.3297	1.0000
IKBKAP	rs838825	9	NC	Ast	G	0.17	0.86	0.6947	1.0000	G	0.19	1.19	0.4307	1.0000	G	0.18	0.93	0.5844	1.0000	G	0.19	1.20	0.0639	1.0000	G	0.18	1.10	0.1973	1.0000
IKBKAP	rs838824	9	NC	Ast	T	0.34	1.44	0.2265	1.0000	T	0.33	1.04	0.8514	1.0000	T	0.37	1.08	0.5218	1.0000	T	0.34	0.93	0.3371	1.0000	T	0.35	0.99	0.9275	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>IKBKAP</i>	rs2297579	9	NC	Ast	A	0.09	0.88	0.7962	1.0000	A	0.11	0.82	0.5267	1.0000	A	0.06	1.00	1.0000	1.0000	A	0.08	0.95	0.6959	1.0000	A	0.08	0.94	0.5708	1.0000
<i>IKBKAP</i>	rs838818	9	NC	Ast	G	0.33	0.80	0.5045	1.0000	G	0.34	1.00	1.0000	1.0000	G	0.34	1.02	0.8636	1.0000	G	0.33	0.95	0.5445	1.0000	G	0.33	0.97	0.6217	1.0000
<i>IKBKAP</i>	rs838819	9	NC	Ast	T	0.48	0.67	0.2044	1.0000	C	0.50	0.88	0.4984	1.0000	T	0.50	0.94	0.5548	1.0000	T	0.49	1.07	0.3931	1.0000	T	0.49	1.02	0.7610	1.0000
<i>IKBKAP</i>	rs2289480	9	NC	Ast	C	0.38	1.10	0.7576	1.0000	C	0.39	1.00	1.0000	1.0000	C	0.38	1.17	0.1611	1.0000	C	0.36	0.87	0.0906	1.0000	C	0.37	0.97	0.6373	1.0000
<i>IKBKB</i>	rs3747811	8	NC	Ast	A	0.49	0.83	0.4999	1.0000	A	0.48	0.87	0.4206	1.0000	A	0.47	1.05	0.6421	1.0000	A	0.48	0.93	0.3363	1.0000	A	0.48	0.95	0.3910	1.0000
<i>IKBKB</i>	rs11986055	8	NC	Ast	C	0.06	1.40	0.5628	1.0000	C	0.04	0.75	0.5923	1.0000	C	0.02	1.63	0.2716	1.0000	C	0.04	0.98	0.9114	1.0000	C	0.04	1.05	0.7563	1.0000
<i>IKBKB</i>	rs5029748	8	NC	Ast	A	0.29	0.87	0.6472	1.0000	A	0.28	1.00	1.0000	1.0000	A	0.27	0.95	0.6419	1.0000	A	0.26	0.98	0.8151	1.0000	A	0.27	0.97	0.5961	1.0000
<i>IKBKB</i>	rs4560769	8	NC	Ast	C	0.09	1.29	0.6166	1.0000	C	0.08	0.89	0.7315	1.0000	C	0.10	1.07	0.6779	1.0000	C	0.09	1.08	0.5520	1.0000	C	0.09	1.07	0.4960	1.0000
<i>IKBKB</i>	rs2272733	8	NC	Ast	A	0.12	1.57	0.3438	1.0000	A	0.12	1.13	0.6681	1.0000	A	0.12	1.14	0.4230	1.0000	A	0.13	1.07	0.5344	1.0000	A	0.12	1.11	0.2254	1.0000
<i>IKBKB</i>	rs17875746	8	NC	Ast	A	0.03	2.00	0.5599	1.0000	A	0.04	0.89	0.8083	1.0000	A	0.09	0.98	0.9287	1.0000	A	0.05	1.16	0.3913	1.0000	A	0.05	1.07	0.5920	1.0000
<i>IKBKB</i>	rs10958713	8	NC	Ast	A	0.37	0.79	0.4049	1.0000	A	0.37	0.88	0.5024	1.0000	A	0.37	0.91	0.3720	1.0000	A	0.36	0.90	0.1661	1.0000	A	0.36	0.89	0.0566	0.8486
<i>IL18</i>	rs543810	11	NC	Ast	C	0.15	1.25	0.5633	1.0000	C	0.13	1.26	0.4049	1.0000	C	0.14	1.08	0.6241	1.0000	C	0.09	0.94	0.6167	1.0000	C	0.12	1.03	0.7330	1.0000
<i>IL18</i>	rs549908	11	CS	Ast	G	0.28	1.38	0.2569	1.0000	G	0.29	1.13	0.5443	1.0000	G	0.30	1.03	0.7702	1.0000	G	0.31	0.98	0.8048	1.0000	G	0.30	1.03	0.6851	1.0000
<i>IL18</i>	rs5744256	11	NC	Ast	C	0.22	0.71	0.2731	1.0000	C	0.24	0.76	0.2052	1.0000	C	0.26	0.81	0.0888	1.0000	C	0.26	0.91	0.2769	1.0000	C	0.25	0.86	0.0186	0.2232
<i>IL18</i>	rs1834481	11	NC	Ast	C	0.22	0.78	0.4789	1.0000	C	0.24	0.78	0.2848	1.0000	C	0.27	0.77	0.0758	0.9100						C	0.24	0.77	0.0285	0.3425
<i>IL18</i>	rs2043055	11	NC	Ast	G	0.37	0.92	0.7773	1.0000	G	0.36	1.13	0.5138	1.0000	G	0.32	1.16	0.1903	1.0000	G	0.38	1.15	0.0775	0.6978	G	0.36	1.14	0.0294	0.3527
<i>IL18</i>	rs360717**	11	NC	Ast	A	0.25	1.29	0.3859	1.0000	A	0.26	0.96	0.8330	1.0000	A	0.27	0.98	0.8559	1.0000						A	0.26	1.00	0.9607	1.0000
<i>IL18</i>	rs1946518	11	NC	Ast	T	0.41	1.20	0.4999	1.0000	T	0.40	1.10	0.6255	1.0000	T	0.43	0.97	0.7859	1.0000	T	0.38	0.97	0.7232	1.0000	T	0.40	0.99	0.9052	1.0000
<i>IL18</i>	rs360712	11	CS	Ast	C	0.24	1.30	0.3757	1.0000	C	0.25	0.91	0.6662	1.0000	C	0.24	0.92	0.5303	1.0000	C	0.26	1.00	0.9773	1.0000	C	0.25	0.98	0.7746	1.0000
<i>IL18BP</i>	rs2276384	11	NC	Ast	C	0.04	0.33	0.3063	1.0000	C	0.04	0.31	0.0251	0.2259	C	0.02	1.11	0.7452	1.0000	C	0.02	1.27	0.4013	1.0000	C	0.03	0.95	0.7736	1.0000
<i>IL18BP</i>	rs3814721	11	NC	Ast	C	0.08	0.75	0.5923	1.0000	C	0.07	0.39	0.0252	0.2269	C	0.06	1.16	0.5118	1.0000	C	0.05	1.07	0.6974	1.0000	C	0.06	0.98	0.8684	1.0000
<i>IL18BP</i>	rs2298455	11	NC	Ast	C	0.12	0.69	0.3925	1.0000	C	0.11	1.04	0.8927	1.0000	C	0.12	1.13	0.4315	1.0000	C	0.12	1.15	0.2382	1.0000	C	0.12	1.11	0.2376	1.0000
<i>IL18BP</i>	rs1573503	11	NC	Ast	A	0.04	0.33	0.3063	1.0000	A	0.03	0.36	0.0653	0.5879	A	0.02	1.68	0.3128	1.0000	A	0.02	1.27	0.4045	1.0000	A	0.03	1.02	0.9273	1.0000
<i>IL18R1</i>	rs13015714	2	NC	Ast	G	0.26	1.47	0.2156	1.0000	G	0.29	0.94	0.7557	1.0000	G	0.22	0.89	0.3658	1.0000	G	0.23	0.95	0.5852	1.0000	G	0.25	0.95	0.4735	1.0000
<i>IL18R1</i>	rs4851567	2	NC	Ast	T	0.09	0.80	0.6370	1.0000																T	0.09	0.80	0.6370	1.0000
<i>IL18R1</i>	rs10170583	2	NC	Ast	A	0.35	0.90	0.6858	1.0000	A	0.32	1.06	0.7653	1.0000	A	0.41	0.81	0.0435	1.0000	A	0.38	1.00	0.9778	1.0000	A	0.36	0.94	0.2739	1.0000
<i>IL18R1</i>	rs10204837	2	NC	Ast	A	0.35	0.90	0.6910	1.0000	A	0.32	1.12	0.5599	1.0000	A	0.41	0.83	0.0844	1.0000	A	0.37	0.99	0.8864	1.0000	A	0.36	0.94	0.3245	1.0000
<i>IL18R1</i>	rs11465567	2	NC	Ast	G	0.10	0.90	0.8185	1.0000	G	0.10	0.88	0.6546	1.0000	G	0.10	1.51	0.0191	0.5781	G	0.10	1.06	0.6202	1.0000	G	0.10	1.15	0.1444	1.0000
<i>IL18R1</i>	rs2287037	2	NC	Ast	A	0.39	0.84	0.5148	1.0000	A	0.39	0.96	0.8474	1.0000	A	0.36	1.31	0.3005	1.0000	A	0.40	1.03	0.6589	1.0000	A	0.39	1.03	0.6784	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>IL18R1</i>	rs11465572	2	NC	Ast	T	0.10	0.90	0.8185	1.0000	T	0.10	0.92	0.7680	1.0000	T	0.10	1.51	0.0191	0.5781	T	0.10	1.07	0.6188	1.0000	T	0.10	1.15	0.1318	1.0000
<i>IL18R1</i>	rs10515921	2	NC	Ast	G	0.12	0.80	0.5633	1.0000	G	0.11	0.96	0.8927	1.0000	G	0.11	0.97	0.8628	1.0000	G	0.15	1.03	0.7814	1.0000	G	0.13	1.00	0.9723	1.0000
<i>IL18R1</i>	rs3771172	2	NC	Ast	T	0.29	0.85	0.5714	1.0000	T	0.29	1.00	1.0000	1.0000	T	0.27	1.12	0.3488	1.0000	T	0.30	1.01	0.8936	1.0000	T	0.29	1.03	0.6334	1.0000
<i>IL18R1</i>	rs1465321	2	NC	Ast	A	0.26	1.47	0.2156	1.0000	A	0.29	0.92	0.6830	1.0000	A	0.22	0.91	0.4403	1.0000	A	0.22	0.98	0.7924	1.0000	A	0.25	0.97	0.6382	1.0000
<i>IL18R1</i>	rs11465597	2	NC	Ast	C	0.10	1.11	0.8185	1.0000	C	0.10	0.83	0.5462	1.0000	C	0.10	1.74	0.0019	0.0569	C	0.10	1.09	0.4822	1.0000	C	0.10	1.22	0.0369	1.0000
<i>IL18R1</i>	rs7579737	2	NC	Ast	G	0.28	0.79	0.4453	1.0000	G	0.27	1.08	0.6976	1.0000	G	0.33	1.06	0.6361	1.0000	G	0.31	1.02	0.8214	1.0000	G	0.30	1.02	0.6966	1.0000
<i>IL18R1</i>	rs6758936	2	NC	Ast	A	0.45	0.86	0.5860	1.0000	A	0.42	1.17	0.4051	1.0000	A	0.50	0.95	0.6280	1.0000	A	0.47	1.04	0.6297	1.0000	A	0.46	1.01	0.8028	1.0000
<i>IL18R1</i>	rs7558013	2	NC	Ast	T	0.19	0.89	0.7388	1.0000	T	0.18	1.27	0.2981	1.0000	T	0.21	0.83	0.1531	1.0000	T	0.24	0.99	0.9101	1.0000	T	0.21	0.96	0.5491	1.0000
<i>IL18R1</i>	rs11465623	2	NC	Ast	A	0.08	0.78	0.6166	1.0000	A	0.08	0.78	0.4789	1.0000	A	0.12	1.21	0.2659	1.0000	A	0.08	1.07	0.6160	1.0000	A	0.09	1.08	0.4727	1.0000
<i>IL18R1</i>	rs3213733	2	NC	Ast	A	0.17	1.00	1.0000	1.0000	A	0.16	1.03	0.9104	1.0000	A	0.17	0.98	0.8834	1.0000	A	0.15	1.03	0.8095	1.0000	A	0.16	1.01	0.8901	1.0000
<i>IL18R1</i>	rs2241116	2	NC	Ast	T	0.21	0.67	0.2044	1.0000	T	0.21	0.84	0.4420	1.0000	T	0.21	1.16	0.2487	1.0000	T	0.23	1.02	0.7945	1.0000	T	0.22	1.02	0.7647	1.0000
<i>IL18RAP</i>	rs1592458	2	NC	Ast	T	0.45	0.86	0.5860	1.0000	T	0.42	1.12	0.5244	1.0000	T	0.50	0.95	0.6280	1.0000	T	0.47	1.02	0.7785	1.0000	T	0.46	1.00	0.9681	1.0000
<i>IL18RAP</i>	rs1807782	2	NC	Ast	G	0.26	1.47	0.2156	1.0000	G	0.29	0.92	0.6830	1.0000	G	0.22	0.92	0.5219	1.0000	G	0.23	0.96	0.6624	1.0000	G	0.25	0.96	0.5959	1.0000
<i>IL18RAP</i>	rs11465670	2	NC	Ast	C	0.12	0.87	0.7053	1.0000	C	0.11	1.13	0.6743	1.0000	C	0.11	1.02	0.9282	1.0000	C	0.15	1.06	0.6025	1.0000	C	0.13	1.04	0.6171	1.0000
<i>IL18RAP</i>	rs1833174	2	NC	Ast	A	0.45	0.86	0.5860	1.0000	A	0.42	1.07	0.7127	1.0000	A	0.50	0.95	0.6280	1.0000	A	0.47	1.02	0.7784	1.0000	A	0.46	1.00	0.9633	1.0000
<i>IL18RAP</i>	rs2293225	2	NC	Ast	A	0.21	0.67	0.2044	1.0000	A	0.21	0.84	0.4307	1.0000	A	0.21	1.17	0.2243	1.0000	A	0.23	1.02	0.8116	1.0000	A	0.22	1.02	0.7509	1.0000
<i>IL18RAP</i>	rs6756407	2	NC	Ast	A	0.08	0.78	0.6166	1.0000	A	0.08	0.82	0.5897	1.0000	A	0.12	1.18	0.3467	1.0000	A	0.08	1.03	0.8309	1.0000	A	0.09	1.05	0.6460	1.0000
<i>IL18RAP</i>	rs3771156	2	NC	Ast	A	0.29	0.86	0.5789	1.0000	A	0.28	0.94	0.7557	1.0000	A	0.27	1.13	0.3000	1.0000	A	0.30	1.00	0.9715	1.0000	A	0.29	1.02	0.7113	1.0000
<i>IL18RAP</i>	rs10176820	2	NC	Ast	G	0.17	1.00	1.0000	1.0000	G	0.16	1.11	0.6463	1.0000	G	0.17	0.99	0.9417	1.0000	G	0.15	1.02	0.8325	1.0000	G	0.16	1.02	0.7848	1.0000
<i>IL18RAP</i>	rs2075186	2	NC	Ast	A	0.17	1.00	1.0000	1.0000	A	0.16	1.00	1.0000	1.0000	A	0.17	0.99	0.9417	1.0000	A	0.15	1.02	0.8718	1.0000	A	0.16	1.01	0.9367	1.0000
<i>IL18RAP</i>	rs11465702	2	NC	Ast	G	0.12	1.00	1.0000	1.0000	G	0.12	1.03	0.9028	1.0000	G	0.15	0.88	0.3971	1.0000	G	0.12	0.99	0.9071	1.0000	G	0.12	0.96	0.6107	1.0000
<i>IL18RAP</i>	rs6748390	2	NC	Ast	C	0.28	0.84	0.5551	1.0000	C	0.26	1.11	0.6079	1.0000	C	0.33	0.94	0.6051	1.0000	C	0.32	0.99	0.8972	1.0000	C	0.30	0.98	0.7299	1.0000
<i>IL18RAP</i>	rs6543135	2	NC	Ast	A	0.19	0.89	0.7388	1.0000	A	0.18	1.27	0.2981	1.0000	A	0.20	0.85	0.2223	1.0000	A	0.24	0.99	0.8667	1.0000	A	0.21	0.96	0.5908	1.0000
<i>IL18RAP</i>	rs11465724	2	NC	Ast	A	0.03	0.75	0.7050	1.0000	A	0.03	0.71	0.5628	1.0000	A	0.03	1.00	1.0000	1.0000	A	0.04	1.03	0.8810	1.0000	A	0.03	0.98	0.9023	1.0000
<i>IL18RAP</i>	rs11465730	2	NC	Ast	C	0.46	0.91	0.7054	1.0000	C	0.45	0.95	0.7758	1.0000	C	0.45	1.11	0.3116	1.0000	C	0.45	1.05	0.5511	1.0000	C	0.45	1.05	0.4113	1.0000
<i>IL18RAP</i>	rs917998	2	NC	Ast	A	0.08	1.00	1.0000	1.0000	A	0.08	1.40	0.3162	1.0000	A	0.10	0.74	0.0827	1.0000	A	0.09	0.89	0.3895	1.0000	A	0.09	0.88	0.1858	1.0000
<i>IL1A</i>	rs2048874	2	NC	Ast	T	0.11	1.86	0.1764	1.0000	T	0.10	2.07	0.0171	0.2041	T	0.15	1.22	0.1564	1.0000	T	0.13	1.00	0.9965	1.0000	T	0.12	1.16	0.0787	0.9343
<i>IL1A</i>	rs4848300	2	NC	Ast	C	0.28	0.86	0.5789	1.0000	C	0.29	0.92	0.7255	1.0000	C	0.30	0.88	0.2918	1.0000	C	0.29	0.89	0.1582	1.0000	C	0.29	0.89	0.0617	0.7319
<i>IL1A</i>	rs3783546	2	NC	Ast	G	0.35	1.00	1.0000	1.0000	G	0.35	0.90	0.6001	1.0000	G	0.29	0.96	0.7218	1.0000	G	0.31	1.09	0.2991	1.0000	G	0.32	1.03	0.6549	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>IL1A</i>	rs17561**	2	CNS	Ast	A	0.27	0.86	0.5789	1.0000	A	0.28	0.95	0.8185	1.0000	A	0.30	0.88	0.2918	0.8754	A	0.29	0.89	0.1760	0.5280	A	0.29	0.89	0.0735	0.2204
<i>IL1A</i>	rs1800587	2	NC	Ast	A	0.27	0.86	0.5789	1.0000	A	0.29	0.90	0.6463	1.0000	A	0.30	0.88	0.2650	1.0000	A	0.29	0.89	0.1689	1.0000	A	0.29	0.89	0.0570	0.6763
<i>IL1A</i>	rs3783516	2	NC	Ast	A	0.38	1.17	0.5714	1.0000	A	0.36	1.15	0.4535	1.0000	A	0.41	1.16	0.1988	1.0000	A	0.40	1.03	0.6975	1.0000	A	0.39	1.08	0.1844	1.0000
<i>IL1B</i>	rs3917368	2	NC	Ast	T	0.37	0.76	0.3262	1.0000	T	0.36	1.03	0.8527	1.0000	T	0.36	1.16	0.2080	1.0000	T	0.36	0.97	0.6882	1.0000	T	0.36	1.01	0.8360	1.0000
<i>IL1B</i>	rs1143634	2	CS	Ast	A	0.19	1.38	0.3294	1.0000	A	0.21	1.05	0.8231	1.0000	A	0.25	0.85	0.1693	0.9127	A	0.23	0.99	0.8848	1.0000	A	0.22	0.96	0.5405	1.0000
<i>IL1B</i>	rs1143627	2	NC	Ast	G	0.37	2.20	0.0085	0.0512	G	0.38	0.92	0.6467	1.0000	G	0.27	1.11	0.3850	1.0000	G	0.34	1.03	0.7278	1.0000	G	0.35	1.07	0.2712	1.0000
<i>IL1B</i>	rs16944**	2	NC	Ast	T	0.37	2.13	0.0121	0.0364	T	0.37	0.97	0.8539	1.0000	T	0.27	1.11	0.3850	1.0000	T	0.35	1.04	0.6558	1.0000	T	0.35	1.08	0.2158	0.6474
<i>IL1R1</i>	rs11883987	2	NC	Ast	G	0.40	1.55	0.1220	1.0000	G	0.39	1.00	1.0000	1.0000						G	0.39	0.99	0.8482	1.0000	G	0.39	1.01	0.8330	1.0000
<i>IL1R1</i>	rs1558642	2	NC	Ast	A	0.19	1.05	0.8728	1.0000	A	0.21	1.12	0.6001	1.0000	A	0.21	0.87	0.2867	1.0000	A	0.21	0.90	0.2489	1.0000	A	0.21	0.92	0.2238	1.0000
<i>IL1R1</i>	rs6754776	2	NC	Ast	C	0.14	0.53	0.1137	1.0000	C	0.12	0.96	0.8815	1.0000	C	0.14	1.30	0.0845	1.0000	C	0.13	0.90	0.3753	1.0000	C	0.13	0.99	0.9468	1.0000
<i>IL1R1</i>	rs3917225	2	NC	Ast	G	0.45	0.80	0.4137	1.0000	G	0.47	0.97	0.8597	1.0000	G	0.45	1.13	0.3031	1.0000	G	0.48	1.06	0.4645	1.0000	G	0.47	1.05	0.3946	1.0000
<i>IL1R1</i>	rs2192752	2	NC	Ast	C	0.20	0.95	0.8759	1.0000	C	0.21	1.09	0.6799	1.0000	C	0.21	0.87	0.2867	1.0000	C	0.21	0.90	0.2359	1.0000	C	0.21	0.91	0.1798	1.0000
<i>IL1R1</i>	rs949963	2	NC	Ast	T	0.19	2.08	0.0308	1.0000	T	0.18	0.98	0.9115	1.0000	T	0.17	0.83	0.2131	1.0000	T	0.16	1.04	0.7339	1.0000	T	0.17	1.00	0.9529	1.0000
<i>IL1R1</i>	rs3917243	2	NC	Ast	T	0.47	1.04	0.8907	1.0000	T	0.48	0.96	0.7962	1.0000	T	0.47	1.04	0.6942	1.0000	T	0.49	1.07	0.3529	1.0000	T	0.48	1.05	0.3948	1.0000
<i>IL1R1</i>	rs3917254	2	NC	Ast	A	0.11	0.40	0.0212	0.7636	A	0.10	1.22	0.5267	1.0000	A	0.05	2.03	0.0020	0.0676	A	0.10	1.03	0.7875	1.0000	A	0.09	1.13	0.2268	1.0000
<i>IL1R1</i>	rs3917273	2	NC	Ast	T	0.44	0.96	0.8886	1.0000	T	0.47	1.05	0.7884	1.0000	T	0.39	0.97	0.7896	1.0000	T	0.41	1.11	0.1876	1.0000	T	0.43	1.05	0.3690	1.0000
<i>IL1R1</i>	rs3917285	2	NC	Ast	T	0.09	0.91	0.8272	1.0000	T	0.09	0.71	0.2471	1.0000	T	0.12	0.91	0.6014	1.0000	T	0.08	1.21	0.1802	1.0000	T	0.09	1.02	0.8346	1.0000
<i>IL1R1</i>	rs2228139	2	CNS	Ast	C	0.06	0.57	0.3627	1.0000	C	0.06	1.56	0.2952	1.0000	C	0.08	0.81	0.2867	1.0000	C	0.08	1.06	0.6758	1.0000	C	0.07	0.98	0.8693	1.0000
<i>IL1R1</i>	rs3917289	2	NC	Ast	A	0.07	0.83	0.7629	1.0000	A	0.07	1.46	0.3345	1.0000	A	0.08	0.85	0.3925	1.0000	A	0.09	1.03	0.8124	1.0000	A	0.08	0.99	0.9382	1.0000
<i>IL1R1</i>	rs997049	2	NC	Ast	A	0.38	1.18	0.5635	1.0000	A	0.35	0.88	0.4759	1.0000	A	0.44	1.11	0.3258	1.0000	A	0.41	0.98	0.7458	1.0000	A	0.40	1.01	0.8709	1.0000
<i>IL1R1</i>	rs3917292	2	NC	Ast	A	0.06	0.38	0.1246	1.0000	A	0.06	1.60	0.2372	1.0000	A	0.05	0.77	0.3083	1.0000	A	0.08	1.03	0.8553	1.0000	A	0.06	0.97	0.7970	1.0000
<i>IL1R1</i>	rs3917296	2	NC	Ast	G	0.09	0.86	0.7814	1.0000	G	0.07	0.89	0.7388	1.0000	G	0.08	1.36	0.1297	1.0000	G	0.08	1.06	0.6851	1.0000	G	0.08	1.10	0.3463	1.0000
<i>IL1R1</i>	rs951193	2	NC	Ast	A	0.04	0.67	0.6536	1.0000	A	0.05	0.38	0.0299	1.0000	A	0.03	0.82	0.5265	1.0000	A	0.04	1.12	0.5469	1.0000	A	0.04	0.91	0.5268	1.0000
<i>IL1R1</i>	rs3917304	2	NC	Ast	A	0.32	1.26	0.4453	1.0000	A	0.35	0.85	0.3927	1.0000	A	0.27	0.96	0.7630	1.0000	A	0.27	1.10	0.2726	1.0000	A	0.30	1.03	0.5945	1.0000
<i>IL1R1</i>	rs3917332	2	NC	Ast	A	0.19	0.95	0.8694	1.0000	A	0.18	1.03	0.9093	1.0000	A	0.22	0.82	0.1376	1.0000	A	0.20	0.96	0.6595	1.0000	A	0.19	0.92	0.2520	1.0000
<i>IL1R1</i>	rs1030021	2	NC	Ast	G	0.31	1.22	0.5267	1.0000											G	0.27	1.10	0.2626	1.0000	G	0.28	1.11	0.2126	1.0000
<i>IL1R2</i>	rs740044	2	NC	Ast	A	0.25	1.05	0.8788	1.0000	A	0.26	0.85	0.4188	1.0000	A	0.29	0.79	0.0403	0.9707	A	0.30	1.04	0.6298	1.0000	A	0.28	0.94	0.3417	1.0000
<i>IL1R2</i>	rs4851519	2	NC	Ast	T	0.09	0.80	0.6370	1.0000	T	0.08	1.19	0.6119	1.0000	T	0.07	1.30	0.2317	1.0000	T	0.09	1.03	0.8282	1.0000	T	0.08	1.09	0.4202	1.0000
<i>IL1R2</i>	rs4851522	2	NC	Ast	T	0.14	1.08	0.8474	1.0000	T	0.14	1.09	0.7139	1.0000	T	0.10	1.02	0.9244	1.0000						T	0.13	1.05	0.7269	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>IL1R2</i>	rs757918	2	NC	Ast	G	0.45	0.97	0.8946	1.0000	G	0.44	1.08	0.6572	1.0000	G	0.47	0.77	0.0130	0.3133	G	0.49	0.99	0.8670	1.0000	G	0.47	0.93	0.1709	1.0000
<i>IL1R2</i>	rs4851526	2	NC	Ast	C	0.43	1.11	0.6910	1.0000	C	0.46	0.79	0.1861	1.0000	C	0.44	1.28	0.0224	0.5405	C	0.40	1.03	0.7130	1.0000	C	0.42	1.07	0.2440	1.0000
<i>IL1R2</i>	rs719250	2	NC	Ast	T	0.11	0.70	0.4657	1.0000	T	0.09	1.64	0.1370	1.0000	T	0.08	1.03	0.8539	1.0000	T	0.10	0.98	0.8814	1.0000	T	0.10	1.03	0.7854	1.0000
<i>IL1R2</i>	rs3218848	2	NC	Ast	A	0.42	1.11	0.6961	1.0000																A	0.42	1.11	0.6961	1.0000
<i>IL1R2</i>	rs2110562	2	NC	Ast	T	0.46	1.00	1.0000	1.0000	T	0.44	1.06	0.7237	1.0000	T	0.47	0.78	0.0164	0.3959	T	0.49	0.98	0.7885	1.0000	T	0.47	0.92	0.1652	1.0000
<i>IL1R2</i>	rs3218979	2	NC	Ast	A	0.15	1.13	0.7236	1.0000	A	0.15	1.16	0.5411	1.0000	A	0.11	1.13	0.4792	1.0000	A	0.16	1.20	0.0807	1.0000	A	0.15	1.18	0.0467	0.9813
<i>IL1R2</i>	rs2072473	2	NC	Ast	A	0.13	0.92	0.8348	1.0000	A	0.12	1.17	0.5714	1.0000	A	0.13	1.05	0.7603	1.0000	A	0.14	0.98	0.8346	1.0000	A	0.13	1.01	0.8928	1.0000
<i>IL1R2</i>	rs2072472	2	NC	Ast	C	0.28	1.04	0.8840	1.0000	C	0.32	0.80	0.2433	1.0000	C	0.32	1.30	0.0172	0.4152	C	0.26	0.92	0.3370	1.0000	C	0.29	1.02	0.7544	1.0000
<i>IL1R2</i>	rs7589525	2	NC	Ast	C	0.28	1.04	0.8840	1.0000	C	0.32	0.81	0.2872	1.0000	C	0.33	1.30	0.0202	0.4873	C	0.26	0.93	0.3804	1.0000	C	0.28	1.02	0.7098	1.0000
<i>IL1R2</i>	rs4851531	2	NC	Ast	A	0.42	0.96	0.8907	1.0000	A	0.44	0.87	0.4535	1.0000	G	0.54	0.78	0.0137	0.3306	A	0.40	0.93	0.3740	1.0000	A	0.42	1.03	0.6436	1.0000
<i>IL1R2</i>	rs4851534	2	NC	Ast	A	0.43	0.93	0.7855	1.0000	A	0.41	1.05	0.7851	1.0000	A	0.43	0.73	0.0029	0.0707	A	0.45	0.97	0.6520	1.0000	A	0.43	0.90	0.0556	1.0000
<i>IL1RL1</i>	rs4090473	2	NC	Ast	G	0.48	1.11	0.6910	1.0000	G	0.49	1.00	1.0000	1.0000	G	0.47	0.85	0.1056	1.0000	G	0.49	1.02	0.8089	1.0000	G	0.48	0.96	0.5245	1.0000
<i>IL1RL1</i>	rs950880	2	NC	Ast	A	0.39	0.91	0.7008	1.0000	A	0.39	1.06	0.7738	1.0000	A	0.39	1.26	0.0260	0.4676	A	0.40	1.00	0.9499	1.0000	A	0.39	1.08	0.1987	1.0000
<i>IL1RL1</i>	rs1420089	2	NC	Ast	C	0.09	0.90	0.8185	1.0000	C	0.08	1.56	0.1582	1.0000	C	0.15	0.82	0.1661	1.0000	C	0.11	0.97	0.7831	1.0000	C	0.11	0.94	0.4956	1.0000
<i>IL1RL1</i>	rs1420103	2	NC	Ast	A	0.27	1.33	0.3537	1.0000	A	0.30	0.85	0.4281	1.0000	A	0.22	0.93	0.5604	1.0000	A	0.24	0.98	0.8156	1.0000	A	0.25	0.96	0.5855	1.0000
<i>IL1RL1</i>	rs1041973	2	CNS	Ast	A	0.22	1.05	0.8759	1.0000	A	0.22	0.98	0.9207	1.0000	A	0.24	1.11	0.3922	1.0000						A	0.22	1.07	0.4892	1.0000
<i>IL1RL1</i>	rs6719130	2	NC	Ast	T	0.12	0.87	0.7053	1.0000	T	0.11	0.97	0.8946	1.0000	T	0.12	0.94	0.7277	1.0000	T	0.15	1.08	0.4581	1.0000	T	0.13	1.02	0.7737	1.0000
<i>IL1RL1</i>	rs3771175	2	NC	Ast	A	0.13	0.94	0.8575	1.0000	A	0.12	0.92	0.7218	1.0000	A	0.15	0.88	0.4346	1.0000	A	0.12	0.96	0.7097	1.0000	A	0.13	0.93	0.3874	1.0000
<i>IL1RL1</i>	rs1946131	2	NC	Ast	A	0.10	0.90	0.8185	1.0000	A	0.10	0.92	0.7680	1.0000	A	0.10	1.49	0.0236	0.4243	A	0.10	1.08	0.5562	1.0000	A	0.10	1.16	0.1265	1.0000
<i>IL1RL1</i>	rs1921622	2	NC	Ast	T	0.52	0.79	0.3696	1.0000	T	0.50	1.00	1.0000	1.0000	C	0.52	0.81	0.0297	0.5355	C	0.45	0.94	0.4154	1.0000	C	0.48	0.91	0.1028	1.0000
<i>IL1RN</i>	rs315931	2	NC	Ast	C	0.35	1.10	0.7630	1.0000	C	0.35	0.77	0.1773	1.0000	C	0.28	1.13	0.2951	1.0000	C	0.32	1.02	0.8358	1.0000	C	0.33	1.02	0.7323	1.0000
<i>IL1RN</i>	rs4251961	2	NC	Ast	G	0.32	1.13	0.6743	1.0000	G	0.35	1.02	0.9251	1.0000	G	0.43	0.94	0.5391	1.0000	G	0.38	1.09	0.2818	1.0000	G	0.36	1.03	0.5738	1.0000
<i>IL1RN</i>	rs2637988	2	NC	Ast	C	0.42	1.07	0.7962	1.0000	C	0.43	0.87	0.4574	1.0000	C	0.34	1.04	0.7389	1.0000	C	0.40	0.90	0.1930	1.0000	C	0.40	0.94	0.3251	1.0000
<i>IL1RN</i>	rs3213448	2	NC	Ast	T	0.16	0.88	0.7149	1.0000	T	0.14	1.32	0.2927	1.0000	T	0.10	0.88	0.4513	1.0000	T	0.12	0.88	0.2607	1.0000	T	0.13	0.92	0.3308	1.0000
<i>IL1RN</i>	rs315934	2	NC	Ast	G	0.19	0.73	0.3294	1.0000	G	0.18	1.20	0.3988	1.0000	G	0.18	1.08	0.5844	1.0000	G	0.19	1.03	0.7559	1.0000	G	0.19	1.04	0.5541	1.0000
<i>IL1RN</i>	rs392503**	2	NC	Ast	G	0.27	1.19	0.5551	1.0000	G	0.29	0.78	0.1996	0.5988	G	0.25	1.12	0.3601	1.0000	G	0.28	0.94	0.4522	1.0000	G	0.28	0.98	0.7067	1.0000
<i>IL1RN</i>	rs1794067**	2	NC	Ast	A	0.27	1.14	0.6616	1.0000	A	0.29	0.70	0.0768	0.2304	A	0.25	1.15	0.2444	0.7332	A	0.29	0.94	0.4308	1.0000	A	0.28	0.97	0.6380	1.0000
<i>IL1RN</i>	rs598859	2	NC	Ast	T	0.27	1.14	0.6616	1.0000	T	0.29	0.73	0.1159	1.0000	T	0.25	1.15	0.2444	1.0000						T	0.27	1.03	0.7692	1.0000
<i>IL1RN</i>	rs973635	2	NC	Ast	A	0.18	0.82	0.5897	1.0000	A	0.15	1.25	0.3773	1.0000	A	0.11	0.97	0.8685	1.0000	A	0.14	0.84	0.1209	1.0000	A	0.15	0.91	0.2752	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>IL1RN</i>	rs440286**	2	NC	Ast	T	0.25	1.10	0.7630	1.0000	T	0.27	0.76	0.1692	0.5076	T	0.24	1.11	0.4190	1.0000	T	0.28	0.96	0.6487	1.0000	T	0.27	0.98	0.7537	1.0000
<i>IL1RN</i>	rs315952	2	CS	Ast	G	0.32	0.82	0.4835	1.0000	G	0.29	1.13	0.5484	1.0000	G	0.25	1.02	0.8585	1.0000	G	0.28	0.94	0.4848	1.0000	G	0.29	0.98	0.6918	1.0000
<i>IRAK2</i>	rs11465853	3	NC	Ast	G	0.32	1.40	0.3162	1.0000	G	0.34	0.91	0.6350	1.0000	G	0.33	0.83	0.1140	1.0000	G	0.32	1.04	0.6598	1.0000	G	0.33	0.97	0.6374	1.0000
<i>IRAK2</i>	rs708030	3	NC	Ast	G	0.52	0.81	0.4222	1.0000	G	0.48	0.92	0.6439	1.0000	G	0.44	1.09	0.3910	1.0000	G	0.48	1.03	0.6820	1.0000	G	0.48	1.03	0.6362	1.0000
<i>IRAK2</i>	rs2619508	3	NC	Ast	A	0.49	0.81	0.4304	1.0000	C	0.51	0.65	0.0191	0.7464	A	0.42	1.11	0.3146	1.0000	A	0.43	0.85	0.0344	1.0000	A	0.46	0.98	0.6706	1.0000
<i>IRAK2</i>	rs11465861	3	NC	Ast	C	0.19	0.90	0.7455	1.0000	C	0.24	1.68	0.0153	0.5994	C	0.19	1.17	0.2048	1.0000	C	0.20	0.90	0.2604	1.0000	C	0.21	1.04	0.5337	1.0000
<i>IRAK2</i>	rs1681663	3	NC	Ast	T	0.29	0.92	0.7680	1.0000	T	0.23	1.15	0.5223	1.0000	T	0.24	0.95	0.6751	1.0000	T	0.22	0.94	0.5343	1.0000	T	0.24	0.96	0.5786	1.0000
<i>IRAK2</i>	rs1169670	3	NC	Ast	C	0.34	1.17	0.5789	1.0000	C	0.35	0.82	0.2917	1.0000	C	0.41	0.82	0.0554	1.0000	C	0.39	1.17	0.0476	1.0000	C	0.37	1.01	0.8464	1.0000
<i>IRAK2</i>	rs1177614	3	NC	Ast	C	0.29	0.96	0.8815	1.0000	C	0.24	1.19	0.4040	1.0000	C	0.23	0.95	0.6740	1.0000	C	0.22	0.92	0.3453	1.0000	C	0.24	0.95	0.4906	1.0000
<i>IRAK2</i>	rs155266	3	NC	Ast	T	0.40	0.71	0.1881	1.0000	T	0.44	1.13	0.5210	1.0000	T	0.39	1.36	0.2402	1.0000	T	0.44	0.84	0.0255	1.0000	T	0.43	0.89	0.0842	1.0000
<i>IRAK2</i>	rs1144911	3	NC	Ast	A	0.35	1.15	0.5928	1.0000	A	0.35	0.88	0.5024	1.0000	A	0.40	0.87	0.1865	1.0000	A	0.39	1.13	0.1098	1.0000	A	0.37	1.02	0.7027	1.0000
<i>IRAK2</i>	rs155584	3	NC	Ast	C	0.40	0.76	0.2927	1.0000	C	0.45	1.17	0.3969	1.0000	C	0.40	1.17	0.1285	1.0000	C	0.44	0.85	0.0386	1.0000	C	0.43	0.96	0.4908	1.0000
<i>IRAK2</i>	rs263408	3	NC	Ast	G	0.07	6.00	0.0465	1.0000	G	0.07	0.95	0.8694	1.0000	G	0.10	1.21	0.2079	1.0000	G	0.09	0.96	0.7283	1.0000	G	0.08	1.07	0.4647	1.0000
<i>IRAK2</i>	rs263410	3	NC	Ast	T	0.21	1.29	0.4789	1.0000	T	0.18	0.97	0.9028	1.0000	T	0.15	1.54	0.2550	1.0000	T	0.13	1.07	0.5399	1.0000	T	0.16	1.09	0.3450	1.0000
<i>IRAK2</i>	rs263412	3	NC	Ast	G	0.09	1.00	1.0000	1.0000	G	0.08	0.77	0.4227	1.0000	G	0.11	1.19	0.2588	1.0000	G	0.10	0.84	0.1817	1.0000	G	0.09	0.96	0.6255	1.0000
<i>IRAK2</i>	rs1169674	3	NC	Ast	A	0.01	*	0.0959	1.0000	A	0.01	1.67	0.4772	1.0000	A	0.00	0.27	0.1327	1.0000	A	0.01	0.58	0.1012	1.0000	A	0.01	0.60	0.0590	1.0000
<i>IRAK2</i>	rs459864	3	NC	Ast	A	0.20	1.13	0.7236	1.0000	A	0.18	0.92	0.7218	1.0000	A	0.17	0.94	0.6421	1.0000	A	0.14	1.07	0.5235	1.0000	A	0.17	1.01	0.8884	1.0000
<i>IRAK2</i>	rs464286	3	CS	Ast	C	0.08	3.00	0.1480	1.0000	C	0.06	0.88	0.7149	1.0000	C	0.08	1.26	0.1596	1.0000	C	0.07	0.92	0.5446	1.0000	C	0.08	1.06	0.5818	1.0000
<i>IRAK2</i>	rs2302859	3	NC	Ast	G	0.30	2.00	0.0435	1.0000	G	0.25	1.00	1.0000	1.0000	G	0.24	1.04	0.7389	1.0000	G	0.22	1.07	0.4856	1.0000	G	0.25	1.08	0.2749	1.0000
<i>IRAK2</i>	rs3844283	3	CNS	Ast	G	0.40	0.60	0.0600	1.0000	G	0.43	1.00	1.0000	1.0000	G	0.37	1.17	0.1372	1.0000	G	0.43	0.99	0.8465	1.0000	G	0.41	1.01	0.7961	1.0000
<i>IRAK2</i>	rs779905	3	NC	Ast	T	0.21	1.90	0.0920	1.0000	T	0.18	1.00	1.0000	1.0000	T	0.14	0.84	0.2091	1.0000	T	0.13	1.06	0.6110	1.0000	T	0.16	1.00	0.9966	1.0000
<i>IRAK2</i>	rs776514	3	NC	Ast	A	0.40	1.26	0.4049	1.0000	A	0.38	0.97	0.8563	1.0000	A	0.47	0.98	0.8378	1.0000	A	0.44	1.00	0.9977	1.0000	A	0.42	1.00	0.9983	1.0000
<i>IRAK2</i>	rs708035	3	CNS	Ast	A	0.31	1.08	0.7773	1.0000	A	0.31	0.98	0.9244	1.0000	A	0.39	0.89	0.2959	1.0000	A	0.37	1.03	0.7145	1.0000	A	0.34	0.98	0.7955	1.0000
<i>IRAK2</i>	rs11706450	3	NC	Ast	C	0.49	0.72	0.2239	1.0000	T	0.48	0.93	0.7054	1.0000	T	0.52	0.77	0.0208	0.8214	T	0.48	0.98	0.7497	1.0000	T	0.49	0.93	0.1860	1.0000
<i>IRAK2</i>	rs713016	3	NC	Ast	A	0.19	1.64	0.1914	1.0000	A	0.16	0.83	0.4529	1.0000	A	0.13	0.80	0.1225	1.0000	A	0.11	0.89	0.3540	1.0000	A	0.14	0.88	0.1280	1.0000
<i>IRAK2</i>	rs11465932	3	NC	Ast	T	0.49	0.72	0.2239	1.0000	C	0.48	0.93	0.7054	1.0000	C	0.52	0.76	0.0130	0.5160	C	0.48	0.98	0.8041	1.0000	C	0.49	0.92	0.1773	1.0000
<i>IRAK4</i>	rs10880565	12	NC	Ast	C	0.11	0.83	0.6696	1.0000	C	0.12	0.86	0.5860	1.0000	C	0.11	1.12	0.5018	1.0000	C	0.11	0.92	0.5002	1.0000	C	0.11	0.96	0.6828	1.0000
<i>IRAK4</i>	rs4251431	12	NC	Ast	T	0.09	0.89	0.8083	1.0000	T	0.11	1.04	0.8815	1.0000	T	0.10	1.21	0.2883	1.0000	T	0.09	1.01	0.9508	1.0000	T	0.10	1.06	0.5288	1.0000
<i>IRAK4</i>	rs1461567	12	NC	Ast	A	0.32	0.92	0.7773	1.0000	A	0.27	0.79	0.2535	1.0000	A	0.24	1.05	0.6773	1.0000	A	0.28	1.03	0.7307	1.0000	A	0.28	1.00	0.9461	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>IRAK4</i>	rs4251513	12	NC	Ast	G	0.46	0.96	0.8907	1.0000	C	0.51	0.84	0.3210	1.0000	C	0.44	1.05	0.6698	1.0000	C	0.50	1.04	0.5626	1.0000	C	0.50	1.02	0.7048	1.0000
<i>IRAK4</i>	rs4251565	12	NC	Ast	C	0.07	1.13	0.8083	1.0000	C	0.06	0.94	0.8575	1.0000	C	0.03	0.93	0.7854	1.0000	C	0.07	0.99	0.9301	1.0000	C	0.06	0.98	0.8503	1.0000
<i>IRAK4</i>	rs6582484	12	NC	Ast	G	0.17	1.50	0.3157	1.0000	G	0.17	0.77	0.2779	1.0000	G	0.11	1.26	0.1381	1.0000	G	0.15	1.09	0.4194	1.0000	G	0.16	1.10	0.2230	1.0000
<i>LBP</i>	rs1780616	20	NC	Ast	A	0.36	0.52	0.0224	0.4712	A	0.39	1.36	0.0969	1.0000	A	0.36	0.93	0.5009	1.0000	A	0.37	1.16	0.0539	0.9704	A	0.37	1.07	0.2471	1.0000
<i>LBP</i>	rs5741812	20	NC	Ast	T	0.16	1.88	0.1412	1.0000	T	0.12	1.03	0.8981	1.0000	T	0.14	0.56	0.1279	1.0000	T	0.12	0.76	0.0213	0.3836	T	0.13	0.82	0.0504	1.0000
<i>LBP</i>	rs2232571	20	NC	Ast	C	0.20	0.89	0.7315	1.0000	C	0.17	1.37	0.2104	1.0000						C	0.17	0.82	0.0469	0.8437	C	0.18	0.88	0.1556	1.0000
<i>LBP</i>	rs2232580	20	CNS	Ast	T	0.08	3.00	0.0764	1.0000	T	0.06	1.57	0.1806	1.0000	T	0.09	0.96	0.8430	1.0000						T	0.08	1.17	0.3267	1.0000
<i>LBP</i>	rs1609800	20	NC	Ast	T	0.40	1.18	0.5635	1.0000	T	0.41	0.84	0.3249	1.0000	T	0.45	1.02	0.8762	1.0000	T	0.44	1.06	0.4265	1.0000	T	0.43	1.03	0.6316	1.0000
<i>LBP</i>	rs6014804	20	NC	Ast	G	0.14	1.67	0.2182	1.0000	G	0.12	1.25	0.3773	1.0000	G	0.13	1.03	0.8307	1.0000	G	0.14	0.82	0.0779	1.0000	G	0.14	0.95	0.5137	1.0000
<i>LBP</i>	rs11536949	20	NC	Ast	T	0.07	1.63	0.2729	1.0000	T	0.09	1.67	0.1551	1.0000	T	0.07	0.77	0.2309	1.0000	T	0.09	1.10	0.4625	1.0000	T	0.08	1.07	0.4942	1.0000
<i>LBP</i>	rs12624843	20	NC	Ast	A	0.41	0.96	0.8927	1.0000	A	0.43	0.94	0.7194	1.0000	A	0.40	0.90	0.3528	1.0000	A	0.40	1.11	0.1876	1.0000	A	0.41	1.02	0.7272	1.0000
<i>LBP</i>	rs1780627	20	NC	Ast	A	0.42	1.09	0.7680	1.0000	A	0.42	0.87	0.4613	1.0000	A	0.41	1.04	0.7087	1.0000	A	0.45	1.03	0.7167	1.0000	A	0.43	1.02	0.7618	1.0000
<i>LBP</i>	rs11536988	20	NC	Ast	T	0.03	1.33	0.7050	1.0000	T	0.04	0.85	0.6829	1.0000	T	0.03	1.48	0.1477	1.0000						T	0.03	1.25	0.2905	1.0000
<i>LBP</i>	rs2232618	20	CNS	Ast	G	0.09	0.78	0.6166	1.0000	G	0.08	1.67	0.1119	1.0000	G	0.07	1.12	0.5634	1.0000	G	0.09	0.90	0.4121	1.0000	G	0.09	1.01	0.9273	1.0000
<i>LBP</i>	rs745144	20	NC	Ast	T	0.37	0.95	0.8694	1.0000	T	0.38	0.75	0.1334	1.0000	T	0.39	1.03	0.7872	1.0000	T	0.41	1.04	0.6329	1.0000	T	0.39	1.00	0.9915	1.0000
<i>MYD88</i>	rs156265	3	CNS	Ast	C	0.16	1.00	1.0000	1.0000	C	0.14	1.07	0.7995	1.0000	C	0.16	1.13	0.4004	1.0000	C	0.15	0.80	0.0336	0.3021	C	0.15	0.92	0.3118	1.0000
<i>MYD88</i>	rs2239621	3	NC	Ast	T	0.26	1.38	0.2569	1.0000	T	0.28	1.09	0.6799	1.0000	T	0.25	1.02	0.8510	1.0000	T	0.26	1.09	0.3047	1.0000	T	0.26	1.09	0.2049	1.0000
<i>MYD88</i>	rs7625290	3	NC	Ast	C	0.04	1.80	0.2817	1.0000	C	0.05	1.40	0.5628	1.0000	C	0.04	0.90	0.6857	1.0000	C	0.05	1.05	0.7546	1.0000	C	0.05	1.06	0.6520	1.0000
<i>MYD88</i>	rs6853	3	NC	Ast	G	0.11	1.36	0.4319	1.0000	G	0.11	1.29	0.4789	1.0000	G	0.11	0.96	0.8071	1.0000	G	0.12	1.05	0.6730	1.0000	G	0.11	1.05	0.5853	1.0000
<i>MYD88</i>	rs6796045	3	NC	Ast	A	0.07	1.14	0.7962	1.0000	A	0.06	1.00	1.0000	1.0000	A	0.07	0.96	0.8445	1.0000	A	0.07	1.03	0.8373	1.0000	A	0.07	1.01	0.9220	1.0000
<i>NFKB1</i>	rs747559	4	NC	Ast	G	0.38	0.78	0.3859	1.0000	G	0.41	1.02	0.9270	1.0000	G	0.39	0.89	0.2726	1.0000	G	0.40	0.90	0.1803	1.0000	G	0.40	0.90	0.0803	1.0000
<i>NFKB1</i>	rs3774932	4	NC	Ast	A	0.48	1.21	0.4919	1.0000	A	0.45	1.18	0.3650	1.0000	A	0.45	1.03	0.7518	1.0000	A	0.45	1.05	0.4899	1.0000	A	0.46	1.07	0.2633	1.0000
<i>NFKB1</i>	rs3774934	4	NC	Ast	A	0.14	1.00	1.0000	1.0000	A	0.12	1.06	0.8694	1.0000	A	0.09	1.34	0.0765	1.0000	A	0.10	1.16	0.2386	1.0000	A	0.11	1.20	0.0527	1.0000
<i>NFKB1</i>	rs1598857	4	NC	Ast	T	0.37	0.78	0.3859	1.0000	T	0.40	0.95	0.7815	1.0000	T	0.39	0.88	0.2243	1.0000	T	0.39	0.91	0.2217	1.0000	T	0.39	0.90	0.0654	1.0000
<i>NFKB1</i>	rs1598856	4	NC	Ast	T	0.48	1.21	0.4919	1.0000	T	0.45	1.21	0.2808	1.0000	T	0.45	1.04	0.7125	1.0000	T	0.45	1.08	0.3339	1.0000	T	0.46	1.08	0.1587	1.0000
<i>NFKB1</i>	rs230533	4	NC	Ast	A	0.34	0.86	0.6393	1.0000	A	0.35	1.04	0.8514	1.0000	A	0.32	0.92	0.4720	1.0000	A	0.34	0.82	0.0153	0.4141	A	0.34	0.87	0.0251	0.6786
<i>NFKB1</i>	rs4647992	4	NC	Ast	T	0.04	0.40	0.2491	1.0000	T	0.04	0.77	0.5310	1.0000	T	0.07	0.84	0.4302	1.0000	T	0.04	1.24	0.2597	1.0000	T	0.05	0.99	0.9364	1.0000
<i>NFKB1</i>	rs4648004	4	NC	Ast	C	0.33	1.30	0.3757	1.0000	C	0.33	1.23	0.2648	1.0000	C	0.35	0.97	0.7477	1.0000	C	0.34	1.01	0.8938	1.0000	C	0.33	1.03	0.6476	1.0000
<i>NFKB1</i>	rs230510	4	NC	Ast	A	0.46	1.32	0.3262	1.0000	A	0.43	1.28	0.1757	1.0000	A	0.44	1.09	0.4309	1.0000	A	0.44	1.07	0.3767	1.0000	A	0.44	1.10	0.0852	1.0000

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Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
NFKB1	rs4648022	4	NC	Ast	A	0.07	1.13	0.8083	1.0000	A	0.07	0.50	0.0653	1.0000	A	0.08	1.11	0.5406	1.0000	A	0.09	1.15	0.2891	1.0000	A	0.08	1.07	0.4898	1.0000
NFKB1	rs230542	4	NC	Ast	T	0.35	0.84	0.5551	1.0000	T	0.37	0.97	0.8527	1.0000	T	0.33	0.91	0.3935	1.0000	T	0.35	0.85	0.0454	1.0000	T	0.35	0.88	0.0327	0.8838
NFKB1	rs1598859	4	NC	Ast	C	0.36	0.81	0.4654	1.0000	C	0.38	0.92	0.6380	1.0000	C	0.34	0.89	0.2646	1.0000	C	0.37	0.87	0.0788	1.0000	C	0.37	0.88	0.0263	0.7110
NFKB1	rs11722146	4	NC	Ast	A	0.31	0.69	0.2265	1.0000	A	0.34	0.87	0.4495	1.0000	A	0.29	0.91	0.3738	1.0000	A	0.31	0.84	0.0393	1.0000	A	0.31	0.86	0.0121	0.3267
NFKB1	rs4648090	4	NC	Ast	A	0.12	1.82	0.1035	1.0000	A	0.11	0.77	0.3757	1.0000	A	0.13	1.10	0.5147	1.0000	A	0.13	1.09	0.4175	1.0000	A	0.13	1.09	0.2743	1.0000
NFKB1	rs4648110	4	NC	Ast	T	0.19	1.32	0.3650	1.0000	T	0.18	0.85	0.4853	1.0000	T	0.20	1.13	0.3280	1.0000	T	0.20	1.11	0.2538	1.0000	T	0.19	1.10	0.1643	1.0000
NFKB1	rs230547	4	NC	Ast	A	0.12	1.00	1.0000	1.0000	A	0.10	1.20	0.6013	1.0000	A	0.10	1.29	0.1448	1.0000	A	0.09	1.07	0.6225	1.0000	A	0.10	1.14	0.1799	1.0000
NFKB1	rs997476	4	NC	Ast	A	0.06	0.80	0.6370	1.0000	A	0.06	1.06	0.8694	1.0000	A	0.07	1.12	0.5633	1.0000	A	0.06	1.08	0.6266	1.0000	A	0.06	1.07	0.5349	1.0000
NFKB2	rs7076748	10	NC	Ast	G	0.27	1.16	0.6393	1.0000	G	0.27	1.27	0.2296	1.0000	G	0.27	1.09	0.4350	1.0000	G	0.28	1.09	0.3275	1.0000	G	0.27	1.11	0.1026	0.6156
NFKB2	rs7897947	10	NC	Ast	G	0.22	1.06	0.8658	1.0000	G	0.22	1.20	0.4247	1.0000	G	0.22	1.16	0.2194	1.0000	G	0.21	1.04	0.6442	1.0000	G	0.22	1.09	0.1908	1.0000
NFKB2	rs1056890	10	NC	Ast	T	0.33	0.58	0.0839	0.5034	T	0.33	0.81	0.3285	1.0000	T	0.29	1.01	0.9031	1.0000	T	0.33	1.11	0.2140	1.0000	T	0.32	1.02	0.6903	1.0000
NFKBIA	rs7152826	14	NC	Ast	C	0.42	1.26	0.3696	1.0000	C	0.42	1.76	0.0028	0.0501	C	0.39	1.06	0.5799	1.0000	C	0.39	1.02	0.8324	1.0000	C	0.40	1.10	0.1137	1.0000
NFKBIA	rs3138056	14	NC	Ast	A	0.33	1.16	0.5860	1.0000	A	0.34	0.75	0.1608	1.0000	A	0.30	1.01	0.9071	1.0000	A	0.31	0.92	0.3182	1.0000	A	0.32	0.94	0.3169	1.0000
NFKBIA	rs3138055	14	NC	Ast	C	0.28	1.21	0.5368	1.0000	C	0.31	1.54	0.0270	0.4862	C	0.26	0.99	0.9559	1.0000	C	0.28	1.04	0.6315	1.0000	C	0.28	1.08	0.2458	1.0000
NFKBIA	rs696	14	NC	Ast	T	0.40	0.93	0.7855	1.0000	T	0.37	1.00	1.0000	1.0000	T	0.45	1.04	0.6815	1.0000	T	0.37	0.99	0.9434	1.0000	T	0.39	1.01	0.9033	1.0000
NFKBIA	rs2233419	14	NC	Ast	A	0.16	1.36	0.3832	1.0000	A	0.17	0.63	0.0406	0.7313	A	0.14	0.93	0.6528	1.0000	A	0.19	0.96	0.6533	1.0000	A	0.17	0.92	0.2899	1.0000
NFKBIA	rs10782383	14	CS	Ast	T	0.19	0.91	0.7576	1.0000	T	0.19	0.53	0.0042	0.0762	T	0.19	1.03	0.8428	1.0000	T	0.22	0.99	0.9249	1.0000	T	0.20	0.94	0.3491	1.0000
NFKBIA	rs1957106	14	CS	Ast	A	0.30	1.14	0.6546	1.0000						A	0.32	0.96	0.7125	1.0000	A	0.30	1.03	0.6975	1.0000	A	0.31	1.01	0.8640	1.0000
NFKBIA	rs2233407	14	NC	Ast	T	0.06	1.75	0.3627	1.0000	T	0.06	0.82	0.5897	1.0000	T	0.02	1.37	0.4314	1.0000	T	0.06	0.96	0.7833	1.0000	T	0.05	1.01	0.9627	1.0000
NFKBIA	rs3138052	14	NC	Ast	G	0.26	0.88	0.6546	1.0000	G	0.25	0.53	0.0035	0.0633											G	0.26	0.63	0.0087	0.1571
NFKBIA	rs3138045	14	NC	Ast	G	0.20	0.73	0.3294	1.0000	G	0.20	0.60	0.0330	0.5933	G	0.16	1.21	0.1495	1.0000	G	0.20	0.94	0.5376	1.0000	G	0.19	0.96	0.5942	1.0000
NFKBIB	rs7251489	19	NC	Ast	T	0.10	1.14	0.7962	1.0000	T	0.08	0.85	0.6217	1.0000	T	0.07	0.82	0.3445	1.0000	T	0.07	1.10	0.5532	1.0000	T	0.08	0.98	0.8526	1.0000
NFKBIB	rs10410544	19	NC	Ast	A	0.37	0.89	0.6802	1.0000	A	0.40	1.15	0.4495	1.0000	A	0.43	0.95	0.6473	1.0000	A	0.48	0.90	0.1559	1.0000	A	0.43	0.94	0.2416	1.0000
NFKBIB	rs4802998	19	NC	Ast	G	0.32	0.96	0.8886	1.0000	G	0.35	1.22	0.2961	1.0000	G	0.35	0.90	0.3571	1.0000	G	0.41	0.91	0.2024	1.0000	G	0.37	0.93	0.2428	1.0000
NFKBIB	rs2053071	19	NC	Ast	G	0.41	0.86	0.5860	1.0000	G	0.41	0.79	0.2125	1.0000	G	0.40	1.00	1.0000	1.0000	G	0.35	1.14	0.1012	1.0000	G	0.38	1.04	0.4798	1.0000
NFKBIB	rs4803006	19	NC	Ast	T	0.32	0.85	0.5714	1.0000	T	0.35	1.20	0.3356	1.0000	T	0.36	0.82	0.0620	1.0000	T	0.40	0.87	0.0722	1.0000	T	0.36	0.88	0.0279	0.5029
NFKBIB	rs2241704	19	NC	Ast	T	0.21	1.05	0.8759	1.0000	T	0.21	0.67	0.0763	1.0000	T	0.25	0.96	0.7622	1.0000	T	0.21	1.20	0.0515	0.9272	T	0.21	1.05	0.4614	1.0000
NFKBIB	rs3136641	19	NC	Ast	A	0.26	1.92	0.0496	0.8926	A	0.24	1.10	0.6662	1.0000	A	0.24	1.17	0.2047	1.0000	A	0.24	0.99	0.8706	1.0000	A	0.25	1.08	0.2687	1.0000
NFKBIB	rs3136646	19	NC	Ast	T	0.22	0.76	0.3650	1.0000	T	0.23	0.93	0.7449	1.0000	T	0.24	0.96	0.7569	1.0000	T	0.22	1.22	0.0280	0.5033	T	0.23	1.08	0.2461	1.0000

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Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>NFKB1B</i>	rs9403	19	NC	Ast	G	0.42	1.24	0.4222	1.0000	G	0.40	0.74	0.1309	1.0000	G	0.36	1.08	0.5062	1.0000	G	0.33	0.94	0.4633	1.0000	G	0.37	0.97	0.6462	1.0000
<i>NFKB1E</i>	rs13296	6	CS	Ast	T	0.33	1.44	0.1579	1.0000	T	0.30	0.98	0.9165	1.0000	T	0.27	0.94	0.5761	1.0000	T	0.31	0.89	0.1793	1.0000	T	0.31	0.94	0.3206	1.0000
<i>NFKB1E</i>	rs1875324	6	CS	Ast											T	0.23	0.88	0.3091	1.0000						T	0.23	0.88	0.3091	1.0000
<i>NFKB1E</i>	rs520639	6	NC	Ast	A	0.11	1.27	0.5480	1.0000	A	0.12	0.82	0.5267	1.0000	A	0.13	1.02	0.8795	1.0000	A	0.12	1.09	0.4535	1.0000	A	0.12	1.05	0.5484	1.0000
<i>NFKB1E</i>	rs2282151	6	NC	Ast	G	0.23	0.50	0.0435	0.4868	G	0.24	0.84	0.3988	1.0000	G	0.25	0.99	0.9499	1.0000	G	0.23	1.15	0.1169	1.0000	G	0.23	1.03	0.6452	1.0000
<i>NFKB1E</i>	rs730775	6	NC	Ast	G	0.41	0.58	0.0508	0.5686	G	0.44	1.44	0.0630	0.7012	G	0.43	0.98	0.8366	1.0000	G	0.42	1.09	0.2733	1.0000	G	0.42	1.05	0.3968	1.0000
<i>NFKB1E</i>	rs483536	6	NC	Ast	A	0.36	2.25	0.0150	0.1676	A	0.35	0.70	0.0556	0.6193	A	0.32	0.89	0.2618	1.0000	A	0.36	0.91	0.2434	1.0000	A	0.35	0.91	0.0957	1.0000
<i>TICAM1</i>	rs1046673	19	NC	Ast	A	0.14	1.15	0.7053	1.0000	A	0.13	0.93	0.7855	1.0000	A	0.17	0.99	0.9482	1.0000	A	0.15	1.05	0.6698	1.0000	A	0.15	1.02	0.7858	1.0000
<i>TICAM1</i>	rs2292151	19	CS	Ast	A	0.26	1.09	0.7728	1.0000	A	0.26	0.75	0.1674	1.0000	A	0.24	1.05	0.7140	1.0000	A	0.24	1.19	0.0531	0.4176	A	0.25	1.09	0.2016	1.0000
<i>TICAM1</i>	rs4807651	19	NC	Ast	G	0.38	0.84	0.5148	1.0000	G	0.38	0.85	0.3969	1.0000	G	0.37	0.84	0.1146	0.9095	G	0.38	1.06	0.4522	1.0000	G	0.38	0.96	0.4838	1.0000
<i>TICAM1</i>	rs4807000	19	NC	Ast	A	0.38	1.50	0.1367	1.0000	A	0.38	1.09	0.6042	1.0000	A	0.40	1.16	0.1617	1.0000	A	0.40	0.88	0.1086	0.8549	A	0.39	1.00	0.9628	1.0000
<i>TIRAP</i>	rs594318	11	NC	Ast						C	0.25	1.58	0.0741	1.0000											C	0.25	1.58	0.0741	1.0000
<i>TIRAP</i>	rs591163	11	NC	Ast	T	0.21	0.71	0.3162	1.0000	T	0.20	0.79	0.3045	1.0000	T	0.28	0.95	0.6495	1.0000	T	0.23	0.90	0.2553	1.0000	T	0.22	0.90	0.1107	1.0000
<i>TIRAP</i>	rs672908	11	NC	Ast	G	0.21	0.71	0.3162	1.0000	G	0.20	0.77	0.2507	1.0000	G	0.28	0.96	0.6895	1.0000	G	0.23	0.91	0.2920	1.0000	G	0.22	0.90	0.1242	1.0000
<i>TIRAP</i>	rs671492	11	NC	Ast	T	0.22	1.33	0.3972	1.0000	T	0.23	1.48	0.0979	1.0000	T	0.21	0.91	0.4632	1.0000	T	0.24	1.13	0.1624	1.0000	T	0.23	1.10	0.1731	1.0000
<i>TIRAP</i>	rs10893493	11	NC	Ast	G	0.12	1.27	0.5480	1.0000	G	0.11	0.65	0.1927	1.0000	G	0.10	0.98	0.9244	1.0000	G	0.12	1.04	0.7350	1.0000	G	0.12	1.00	0.9957	1.0000
<i>TIRAP</i>	rs8177352	11	NC	Ast	C	0.20	1.00	1.0000	1.0000	C	0.20	0.91	0.7054	1.0000	C	0.24	1.13	0.3119	1.0000	C	0.20	1.09	0.3553	1.0000	C	0.21	1.08	0.2458	1.0000
<i>TIRAP</i>	rs595022	11	NC	Ast	A	0.28	0.91	0.7576	1.0000	A	0.29	1.04	0.8366	1.0000	A	0.22	0.98	0.8461	1.0000	A	0.27	0.90	0.2138	1.0000	A	0.27	0.93	0.2916	1.0000
<i>TIRAP</i>	rs646005	11	NC	Ast	G	0.35	0.77	0.3446	1.0000	G	0.35	0.88	0.5443	1.0000	G	0.48	1.03	0.7853	1.0000	G	0.40	0.98	0.7681	1.0000	G	0.39	0.97	0.6460	1.0000
<i>TIRAP</i>	rs1392060	11	NC	Ast	C	0.12	1.27	0.5480	1.0000	C	0.11	1.00	1.0000	1.0000	C	0.10	0.98	0.9244	1.0000	C	0.13	1.03	0.8167	1.0000	C	0.12	1.02	0.7832	1.0000
<i>TIRAP</i>	rs1893352	11	NC	Ast	C	0.14	0.83	0.6013	1.0000	C	0.15	1.10	0.7630	1.0000	C	0.20	1.13	0.3335	1.0000	C	0.17	1.12	0.2825	1.0000	C	0.16	1.11	0.1856	1.0000
<i>TIRAP</i>	rs8177371	11	NC	Ast	T	0.12	1.54	0.2550	1.0000	T	0.11	1.05	0.8788	1.0000	T	0.10	0.98	0.9263	1.0000						T	0.11	1.07	0.6616	1.0000
<i>TIRAP</i>	rs12272651	11	NC	Ast	G	0.07	1.20	0.7629	1.0000	G	0.07	0.69	0.3345	1.0000	G	0.05	1.09	0.7254	1.0000	G	0.03	0.97	0.8919	1.0000	G	0.05	0.98	0.8722	1.0000
<i>TLR1</i>	rs4543123	4	NC	Ast	G	0.23	1.19	0.5551	1.0000	G	0.23	0.62	0.0253	0.2279	G	0.20	1.03	0.8442	1.0000	G	0.21	0.83	0.0424	0.3812	G	0.22	0.87	0.0457	0.4113
<i>TLR1</i>	rs4833095	4	CNS	Ast	G	0.28	1.30	0.3757	1.0000	G	0.31	0.82	0.3169	1.0000	G	0.21	1.05	0.6961	1.0000	G	0.22	0.85	0.0788	0.7091	G	0.25	0.92	0.2170	1.0000
<i>TLR1</i>	rs5743611	4	CNS	Ast	C	0.09	0.80	0.6370	1.0000	C	0.10	0.90	0.7455	1.0000	C	0.08	1.09	0.6861	1.0000	C	0.09	0.97	0.8135	1.0000	C	0.09	0.98	0.8555	1.0000
<i>TLR1</i>	rs5743594	4	NC	Ast	T	0.17	1.29	0.4789	1.0000	T	0.16	1.23	0.3990	1.0000	T	0.22	1.04	0.7400	1.0000	T	0.21	1.03	0.7615	1.0000	T	0.19	1.06	0.4222	1.0000
<i>TLR1</i>	rs5743562	4	NC	Ast	C	0.18	1.00	1.0000	1.0000	C	0.18	0.64	0.0619	0.5567	C	0.15	1.00	1.0000	1.0000	C	0.17	0.94	0.5754	1.0000	C	0.17	0.93	0.3074	1.0000
<i>TLR1</i>	rs5743551	4	NC	Ast	C	0.28	1.29	0.3859	1.0000	C	0.31	0.87	0.4859	1.0000	C	0.21	1.02	0.8973	1.0000	C	0.22	0.85	0.0901	0.8108	C	0.25	0.92	0.2231	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
TLR1	rs4833103	4	NC	Ast	T	0.45	0.68	0.2156	1.0000	T	0.46	0.91	0.6288	1.0000	G	0.47	1.05	0.6040	1.0000	G	0.46	0.92	0.2746	1.0000	G	0.50	0.99	0.8703	1.0000
TLR10	rs10008492	4	NC	Ast	T	0.46	0.96	0.8907	1.0000	T	0.47	0.78	0.1853	1.0000	T	0.33	1.02	0.8666	1.0000	T	0.34	0.92	0.3013	1.0000	T	0.40	0.93	0.2559	1.0000
TLR10	rs10776483	4	CS	Ast	C	0.21	0.80	0.4556	1.0000	C	0.22	0.57	0.0121	0.0959	C	0.17	1.06	0.6858	1.0000	C	0.19	0.90	0.2621	1.0000	C	0.20	0.89	0.1051	0.8082
TLR10	rs11096957	4	CNS	Ast	G	0.36	0.90	0.6910	1.0000	G	0.38	0.65	0.0228	0.1814	G	0.29	0.99	0.9536	1.0000	G	0.32	0.87	0.0868	0.6431	G	0.34	0.88	0.0319	0.2456
TLR10	rs10856838	4	CS	Ast	T	0.20	0.90	0.7455	1.0000	T	0.20	0.75	0.2092	1.0000	T	0.14	0.93	0.6352	1.0000	T	0.15	0.86	0.1609	1.0000	T	0.17	0.87	0.0703	0.5406
TLR10	rs4130727	4	NC	Ast	C	0.15	1.27	0.5480	1.0000	C	0.15	0.88	0.6170	1.0000	C	0.12	0.87	0.4204	1.0000	C	0.12	0.87	0.2216	1.0000	C	0.13	0.89	0.1695	1.0000
TLR10	rs10004195	4	NC	Ast	T	0.25	1.30	0.3757	1.0000	T	0.24	0.75	0.1674	1.0000	T	0.20	1.02	0.8955	1.0000	T	0.21	0.85	0.0812	0.6020	T	0.23	0.90	0.1397	1.0000
TLR2	rs13150331	4	NC	Ast	G	0.44	0.72	0.2569	1.0000	G	0.45	1.23	0.2606	1.0000	G	0.43	1.00	1.0000	1.0000	G	0.40	0.94	0.4516	1.0000	G	0.43	0.97	0.6539	1.0000
TLR2	rs1898830	4	NC	Ast	G	0.37	0.86	0.5789	1.0000	G	0.38	1.14	0.4723	1.0000	G	0.33	0.94	0.5548	1.0000	G	0.32	0.94	0.4191	1.0000	G	0.35	0.95	0.4235	1.0000
TLR2	rs4696483	4	NC	Ast	T	0.12	1.15	0.7053	1.0000	T	0.13	0.77	0.3356	1.0000	T	0.11	1.21	0.2725	1.0000	T	0.13	1.14	0.2679	1.0000	T	0.12	1.11	0.2332	1.0000
TLR2	rs3804100	4	CS	Ast	G	0.08	1.00	1.0000	1.0000	G	0.08	0.77	0.3757	1.0000	G	0.05	1.42	0.1869	1.0000	G	0.07	0.96	0.7540	1.0000	G	0.07	1.00	0.9857	1.0000
TLR2	rs5743704	4	CNS	Ast	T	0.03	1.25	0.7386	1.0000	T	0.04	1.83	0.2218	1.0000	T	0.04	0.68	0.1148	1.0000	T	0.04	0.89	0.5463	1.0000	T	0.04	0.88	0.3516	1.0000
TLR2	rs7656411	4	NC	Ast	C	0.26	1.05	0.8759	1.0000	C	0.27	0.91	0.6222	1.0000	C	0.28	0.95	0.6197	1.0000	C	0.27	0.99	0.8975	1.0000	C	0.27	0.97	0.6161	1.0000
TLR2	rs1339	4	CNS	Ast	G	0.21	0.94	0.8658	1.0000	G	0.19	1.08	0.7419	1.0000	G	0.22	1.05	0.7076	1.0000	G	0.22	0.99	0.9072	1.0000	G	0.21	1.01	0.8507	1.0000
TLR2	rs2289318	4	NC	Ast	C	0.21	1.06	0.8658	1.0000	C	0.21	1.00	1.0000	1.0000	C	0.18	1.08	0.6142	1.0000	C	0.20	1.08	0.4226	1.0000	C	0.20	1.07	0.3647	1.0000
TLR3	rs956239	4	NC	Ast	A	0.16	0.69	0.3345	1.0000	A	0.18	1.14	0.5636	1.0000	A	0.19	1.29	0.0437	0.7875	A	0.16	0.86	0.1508	1.0000	A	0.17	1.01	0.8783	1.0000
TLR3	rs6822014	4	NC	Ast	C	0.21	1.00	1.0000	1.0000	C	0.19	0.66	0.1002	1.0000	C	0.19	0.91	0.4766	1.0000	C	0.20	1.01	0.9221	1.0000	C	0.20	0.94	0.4264	1.0000
TLR3	rs11721827	4	NC	Ast	G	0.15	1.67	0.2182	1.0000	G	0.14	1.36	0.2175	1.0000	G	0.13	1.20	0.2421	1.0000	G	0.16	0.89	0.2751	1.0000	G	0.15	1.03	0.6836	1.0000
TLR3	rs3775296	4	NC	Ast	T	0.21	1.06	0.8618	1.0000	T	0.19	0.91	0.7098	1.0000	T	0.19	0.93	0.5587	1.0000	T	0.19	0.98	0.8550	1.0000	T	0.20	0.96	0.5927	1.0000
TLR3	rs3775291	4	CNS	Ast	T	0.29	1.25	0.4556	1.0000	T	0.32	1.04	0.8514	1.0000	T	0.29	0.99	0.9545	1.0000	T	0.29	0.92	0.3220	1.0000	T	0.30	0.97	0.5837	1.0000
TLR3	rs10025405	4	NC	Ast	G	0.46	1.13	0.6743	1.0000	G	0.44	0.87	0.4613	1.0000	G	0.41	1.07	0.5175	1.0000	G	0.44	0.95	0.5284	1.0000	G	0.44	0.98	0.7846	1.0000
TLR3	rs4862633	4	NC	Ast	A	0.22	0.73	0.2957	1.0000	A	0.21	1.25	0.3168	1.0000	A	0.26	0.96	0.7290	1.0000	A	0.24	1.19	0.0455	0.8190	A	0.23	1.09	0.1790	1.0000
TLR3	rs4608848	4	NC	Ast	C	0.36	1.00	1.0000	1.0000	C	0.35	1.25	0.2289	1.0000	C	0.36	1.05	0.6671	1.0000	C	0.39	1.10	0.2304	1.0000	C	0.37	1.09	0.1316	1.0000
TLR3	rs1519309	4	NC	Ast	G	0.35	0.76	0.2927	1.0000	G	0.34	0.98	0.9237	1.0000	G	0.37	0.95	0.6001	1.0000	G	0.35	1.22	0.0143	0.2579	G	0.35	1.08	0.2119	1.0000
TLR4	rs10759930	9	NC	Ast	T	0.42	1.15	0.5928	1.0000	T	0.41	0.93	0.7029	1.0000	T	0.37	1.07	0.5441	1.0000	T	0.38	0.92	0.2914	1.0000	T	0.40	0.97	0.6370	1.0000
TLR4	rs2737191	9	NC	Ast	G	0.24	1.28	0.4343	1.0000	G	0.26	1.08	0.6891	1.0000	G	0.26	0.91	0.4443	1.0000	G	0.28	1.02	0.8353	1.0000	G	0.26	1.00	0.9771	1.0000
TLR4	rs2770150	9	NC	Ast	G	0.24	1.28	0.4343	1.0000	G	0.26	1.08	0.6891	1.0000	G	0.26	1.24	0.4653	1.0000	G	0.28	1.02	0.7987	1.0000	G	0.26	1.05	0.4632	1.0000
TLR4	rs1927914	9	NC	Ast	C	0.34	0.68	0.1879	1.0000	C	0.33	1.02	0.9276	1.0000	C	0.37	1.01	0.9569	1.0000	C	0.34	1.07	0.3766	1.0000	C	0.34	1.03	0.6553	1.0000
TLR4	rs1927911	9	NC	Ast	A	0.26	0.60	0.1551	1.0000	A	0.27	1.10	0.6255	1.0000	A	0.27	0.99	0.9521	1.0000	A	0.26	1.09	0.3083	1.0000	A	0.26	1.04	0.5256	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
TLR4	rs11536878	9	NC	Ast	T	0.11	0.62	0.2729	1.0000	T	0.12	1.08	0.7815	1.0000	T	0.11	1.00	1.0000	1.0000	T	0.12	1.15	0.2438	1.0000	T	0.12	1.07	0.4506	1.0000
TLR4	rs1927907	9	NC	Ast	T	0.15	0.71	0.5628	1.0000	T	0.13	0.96	0.8907	1.0000	T	0.15	0.91	0.5463	1.0000	T	0.14	1.04	0.7035	1.0000	T	0.14	0.99	0.8632	1.0000
TLR4	rs11536889	9	NC	Ast	C	0.17	1.15	0.7053	1.0000	C	0.16	1.03	0.9055	1.0000	C	0.17	1.06	0.6844	1.0000	C	0.14	0.79	0.0267	0.7250	C	0.16	0.91	0.2143	1.0000
TLR4	rs7873784	9	NC	Ast	C	0.15	0.56	0.1587	1.0000	C	0.15	1.06	0.8055	1.0000	C	0.16	0.97	0.8263	1.0000	C	0.16	1.16	0.1494	1.0000	C	0.15	1.06	0.4393	1.0000
TLR4	rs11536897	9	NC	Ast	T	0.03	0.20	0.0880	1.0000	T	0.05	0.80	0.5633	1.0000	T	0.07	1.05	0.8292	1.0000	T	0.05	1.41	0.0395	1.0000	T	0.05	1.16	0.2256	1.0000
TLR4	rs1927906	9	NC	Ast	C	0.10	0.83	0.6696	1.0000	C	0.07	1.11	0.7518	1.0000	C	0.13	1.01	0.9356	1.0000	C	0.10	1.01	0.9316	1.0000	C	0.10	1.01	0.9130	1.0000
TLR4	rs1554973	9	NC	Ast	C	0.25	0.67	0.1782	1.0000	C	0.22	1.11	0.6079	1.0000	C	0.29	0.99	0.9537	1.0000	C	0.26	1.10	0.2565	1.0000	C	0.25	1.04	0.4966	1.0000
TLR4	rs913930	9	NC	Ast	C	0.29	1.20	0.5462	1.0000	C	0.34	1.10	0.6319	1.0000	C	0.34	0.93	0.5101	1.0000	C	0.36	1.00	0.9803	1.0000	C	0.33	1.00	0.9434	1.0000
TLR4	rs1927905	9	NC	Ast	G	0.04	0.20	0.0880	1.0000	G	0.05	1.00	1.0000	1.0000	G	0.08	1.02	0.9156	1.0000	G	0.06	1.37	0.0580	1.0000	G	0.05	1.16	0.2263	1.0000
TLR4	rs7045953	9	NC	Ast	C	0.15	0.56	0.1587	1.0000	C	0.15	1.17	0.5349	1.0000	C	0.16	0.94	0.6633	1.0000	C	0.16	1.14	0.1948	1.0000	C	0.16	1.05	0.5057	1.0000
TLR5	rs2241096	1	NC	Ast	A	0.12	0.77	0.5310	1.0000	A	0.11	1.82	0.0418	0.3762	A	0.09	1.42	0.0464	0.4172	A	0.10	1.10	0.4611	1.0000	A	0.10	1.22	0.0322	0.2898
TLR5	rs2096141	1	NC	Ast	T	0.45	1.00	1.0000	1.0000	T	0.47	0.94	0.7237	1.0000	T	0.48	0.87	0.1551	1.0000	T	0.47	0.98	0.7624	1.0000	T	0.47	0.94	0.2530	1.0000
TLR5	rs5744105	1	NC	Ast	G	0.46	1.17	0.5789	1.0000	G	0.48	1.06	0.7257	1.0000	C	0.50	1.09	0.3841	1.0000	G	0.49	0.93	0.3745	1.0000	G	0.48	0.95	0.3551	1.0000
TLR5	rs5744097	1	NC	Ast	A	0.03	1.20	0.7629	1.0000	A	0.03	0.80	0.7386	1.0000	A	0.03	0.68	0.2475	1.0000	A	0.04	1.05	0.8057	1.0000	A	0.03	0.95	0.7249	1.0000
TLR6	rs7696175	4	NC	Ast	A	0.40	1.09	0.7728	1.0000	A	0.41	1.05	0.7797	1.0000	A	0.45	0.92	0.4371	1.0000	A	0.45	1.13	0.1148	1.0000	A	0.43	1.05	0.3701	1.0000
TLR6	rs5743810	4	CNS	Ast	T	0.35	0.90	0.7518	1.0000	T	0.35	1.00	1.0000	1.0000						T	0.44	1.09	0.2939	1.0000	T	0.40	1.07	0.3727	1.0000
TLR6	rs1039559	4	NC	Ast	C	0.44	1.04	0.8907	1.0000	C	0.47	1.09	0.6410	1.0000	T	0.50	1.00	1.0000	1.0000	C	0.49	1.09	0.2473	1.0000	C	0.47	1.08	0.2276	1.0000
TLR6	rs5743806	4	NC	Ast	G	0.35	0.96	0.8907	1.0000	G	0.32	1.10	0.6222	1.0000	G	0.34	1.25	0.0442	0.3982	G	0.31	0.97	0.7471	1.0000	G	0.33	1.06	0.3250	1.0000
TLR6	rs5743794	4	NC	Ast	A	0.18	0.95	0.8728	1.0000	A	0.19	0.68	0.1026	0.9234	A	0.16	0.90	0.4508	1.0000	A	0.17	0.99	0.9219	1.0000	A	0.18	0.93	0.2983	1.0000
TLR6	rs6531670	4	NC	Ast	G	0.35	0.96	0.8907	1.0000	G	0.32	1.15	0.4859	1.0000	G	0.34	1.25	0.0442	0.3982	G	0.31	0.97	0.7447	1.0000	G	0.33	1.07	0.2963	1.0000
TLR9	rs352163	3	NC	Ast	G	0.49	0.89	0.6802	1.0000	G	0.46	1.18	0.3650	1.0000	G	0.44	1.18	0.1133	0.8609	G	0.48	1.06	0.4092	1.0000	G	0.47	1.10	0.0936	0.7147
TLR9	rs352140	3	CS	Ast	C	0.48	0.96	0.8927	1.0000	C	0.46	1.11	0.5838	1.0000	C	0.43	1.14	0.2257	1.0000	C	0.47	1.08	0.2916	1.0000	C	0.46	1.10	0.1116	0.8517
TLR9	rs187084	3	NC	Ast	G	0.39	0.67	0.1559	1.0000	G	0.42	0.95	0.7833	1.0000	G	0.42	0.79	0.0286	0.2174	G	0.39	0.91	0.2272	1.0000	G	0.40	0.87	0.0137	0.1048
TLR9	rs352143	3	CS	Ast	G	0.19	1.19	0.6119	1.0000	G	0.19	1.11	0.6910	1.0000	G	0.21	0.99	0.9068	1.0000	G	0.21	1.16	0.1057	0.8107	G	0.20	1.10	0.1823	1.0000
TLR9	rs11717574	3	NC	Ast	C	0.15	1.80	0.1279	0.9800	C	0.14	0.96	0.8815	1.0000	C	0.15	1.18	0.2242	1.0000	C	0.16	1.06	0.5887	1.0000	C	0.15	1.11	0.1709	1.0000
TOLLIP	rs3750919	11	NC	Ast	A	0.24	0.90	0.7455	1.0000	A	0.21	1.13	0.6275	1.0000	A	0.23	0.95	0.6635	1.0000	A	0.23	1.00	0.9515	1.0000	A	0.23	0.99	0.9010	1.0000
TOLLIP	rs5744038	11	NC	Ast	C	0.06	1.75	0.3627	1.0000	C	0.06	0.93	0.8474	1.0000	C	0.03	1.32	0.2916	1.0000	C	0.07	1.09	0.5760	1.0000	C	0.06	1.14	0.2897	1.0000
TOLLIP	rs3829223	11	NC	Ast						G	0.47	1.13	0.5830	1.0000	G	0.45	1.15	0.1748	1.0000	G	0.48	1.08	0.3272	1.0000	G	0.47	1.10	0.0914	1.0000
TOLLIP	rs3793964	11	NC	Ast	A	0.40	0.76	0.3262	1.0000	A	0.35	0.94	0.7995	1.0000	A	0.36	1.08	0.4863	1.0000	A	0.37	1.03	0.6647	1.0000	A	0.37	1.03	0.6520	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
TOLLIP	rs3793966	11	NC	Ast											G	0.45	1.13	0.2285	1.0000						G	0.45	1.13	0.2285	1.0000
TOLLIP	rs3750920	11	CS	Ast	T	0.41	1.17	0.5714	1.0000	T	0.45	0.83	0.3824	1.0000	C	0.51	0.97	0.7884	1.0000						T	0.44	1.00	0.9636	1.0000
TOLLIP	rs5743961	11	NC	Ast	T	0.04	0.80	0.7386	1.0000	T	0.06	0.62	0.2729	1.0000	T	0.05	0.87	0.5526	1.0000	T	0.05	0.99	0.9324	1.0000	T	0.05	0.90	0.4370	1.0000
TOLLIP	rs5743955	11	NC	Ast	T	0.04	0.88	0.7962	1.0000	T	0.03	1.50	0.4370	1.0000	T	0.05	0.74	0.1827	1.0000	T	0.05	0.98	0.8921	1.0000	T	0.05	0.91	0.4633	1.0000
TOLLIP	rs5743942	11	NC	Ast	C	0.47	0.75	0.3165	1.0000	C	0.51	0.80	0.3227	1.0000	T	0.50	1.09	0.3702	1.0000						C	0.49	0.88	0.1416	1.0000
TOLLIP	rs11042484	11	NC	Ast	A	0.09	0.55	0.2218	1.0000	A	0.08	1.05	0.8728	1.0000	A	0.06	0.98	0.9183	1.0000	A	0.08	1.15	0.3289	1.0000	A	0.08	1.05	0.6416	1.0000
TOLLIP	rs5743925	11	NC	Ast	C	0.01	*	0.0414	1.0000	C	0.01	0.50	0.5599	1.0000	C	0.02	0.82	0.6543	1.0000	C	0.01	0.75	0.4945	1.0000	C	0.01	0.68	0.1829	1.0000
TOLLIP	rs5743915	11	NC	Ast	A	0.43	1.39	0.2239	1.0000	A	0.41	1.22	0.2917	1.0000	A	0.41	0.64	0.1217	1.0000	A	0.42	1.02	0.8018	1.0000	A	0.42	1.04	0.6028	1.0000
TOLLIP	rs5743900	11	NC	Ast	G	0.19	1.20	0.6013	1.0000	G	0.15	1.27	0.3616	1.0000	G	0.21	0.86	0.2668	1.0000	G	0.20	0.97	0.7172	1.0000	G	0.19	0.96	0.5983	1.0000
TOLLIP	rs5743899	11	NC	Ast	C	0.20	1.15	0.7053	1.0000	C	0.21	1.00	1.0000	1.0000	C	0.15	1.30	0.0828	1.0000	C	0.19	0.98	0.8367	1.0000	C	0.19	1.06	0.4314	1.0000
TOLLIP	rs5743894	11	NC	Ast	C	0.14	1.57	0.1806	1.0000	C	0.15	0.89	0.6275	1.0000	C	0.19	1.07	0.5744	1.0000	C	0.18	1.01	0.8988	1.0000	C	0.17	1.04	0.5758	1.0000
TOLLIP	rs5743890	11	NC	Ast	C	0.11	1.50	0.3695	1.0000	C	0.15	0.68	0.1439	1.0000	C	0.16	0.90	0.4421	1.0000	C	0.16	0.84	0.0980	1.0000	C	0.15	0.86	0.0509	1.0000
TOLLIP	rs5743867	11	NC	Ast	G	0.10	0.80	0.7386	1.0000	G	0.09	0.90	0.7518	1.0000	G	0.07	1.65	0.0241	0.9567	G	0.07	0.84	0.2430	1.0000	G	0.08	1.02	0.8894	1.0000
TOLLIP	rs5743856	11	NC	Ast	G	0.03	1.00	1.0000	1.0000	G	0.03	0.83	0.7629	1.0000	G	0.02	1.40	0.2832	1.0000	G	0.03	1.11	0.6333	1.0000	G	0.03	1.16	0.3807	1.0000
TOLLIP	rs5743854	11	NC	Ast	G	0.13	1.20	0.7629	1.0000	G	0.11	0.79	0.4453	1.0000	G	0.09	1.63	0.0097	0.3840	G	0.10	0.91	0.4459	1.0000	G	0.11	1.06	0.5505	1.0000
TOLLIP	rs5743851	11	NC	Ast	C	0.08	1.67	0.3147	1.0000	C	0.08	0.94	0.8618	1.0000	C	0.13	0.89	0.4892	1.0000	C	0.08	0.95	0.7308	1.0000	C	0.09	0.95	0.6143	1.0000
TRAF6	rs331463	11	NC	Ast	T	0.15	1.11	0.7518	1.0000	T	0.15	1.33	0.2842	1.0000	T	0.15	1.03	0.8316	1.0000	T	0.17	1.08	0.4615	1.0000	T	0.16	1.08	0.2924	1.0000
TRAF6	rs3740961	11	NC	Ast	C	0.16	1.40	0.4131	1.0000	C	0.19	1.84	0.0283	0.5933	C	0.13	1.19	0.2503	1.0000	C	0.12	1.18	0.1588	1.0000	C	0.14	1.25	0.0109	0.2281
TRAF6	rs5030472	11	NC	Ast	T	0.11	1.33	0.4489	1.0000	T	0.11	1.35	0.3419	1.0000	T	0.13	1.11	0.4885	1.0000	T	0.12	1.13	0.3119	1.0000	T	0.12	1.15	0.1147	1.0000
TRAF6	rs4755453	11	NC	Ast	C	0.17	1.09	0.7680	1.0000	C	0.16	1.17	0.5285	1.0000	C	0.15	1.03	0.8340	1.0000	C	0.17	1.07	0.5229	1.0000	C	0.16	1.07	0.3940	1.0000
TRAF6	rs5030419	11	NC	Ast	C	0.11	0.44	0.0572	1.0000	C	0.11	0.92	0.7680	1.0000	C	0.13	0.93	0.6330	1.0000	C	0.11	0.90	0.3887	1.0000	C	0.11	0.88	0.1624	1.0000
TRAF6	rs5030416	11	NC	Ast	C	0.14	0.60	0.2182	1.0000	C	0.13	1.04	0.8886	1.0000	C	0.14	0.87	0.3914	1.0000	C	0.12	0.91	0.4508	1.0000	C	0.13	0.90	0.2098	1.0000
TRAF6	rs5030411	11	NC	Ast	G	0.39	0.63	0.0741	1.0000	G	0.38	1.04	0.8399	1.0000	G	0.42	0.89	0.2765	1.0000	G	0.38	1.04	0.6465	1.0000	G	0.39	0.96	0.5369	1.0000
TRAF6	rs5030489	11	NC	Ast	G	0.06	0.56	0.2817	1.0000	G	0.07	1.21	0.5897	1.0000	G	0.08	0.84	0.3279	1.0000						G	0.07	0.87	0.3596	1.0000
TRAF6	rs5030403	11	NC	Ast	A	0.13	1.18	0.6217	1.0000	A	0.13	0.96	0.8927	1.0000	A	0.13	1.07	0.6599	1.0000	A	0.14	1.11	0.3605	1.0000	A	0.13	1.08	0.3176	1.0000
TRAF6	rs5030488	11	NC	Ast	G	0.09	0.46	0.1042	1.0000	G	0.10	1.15	0.6472	1.0000	G	0.13	0.92	0.5573	1.0000	G	0.10	1.10	0.4732	1.0000	G	0.10	1.00	0.9758	1.0000
TRAF6	rs331455	11	NC	Ast	G	0.24	0.78	0.3859	1.0000	G	0.25	1.15	0.5223	1.0000	G	0.27	0.95	0.6279	1.0000	G	0.26	1.10	0.2897	1.0000	G	0.26	1.03	0.6252	1.0000
CD14	rs778583	5	NC	Ato	T	0.26	0.96	0.8312	1.0000	T	0.27	0.90	0.5438	1.0000	T	0.25	1.06	0.6301	1.0000	T	0.28	0.91	0.3245	1.0000	T	0.27	0.95	0.4683	1.0000
CD14	rs778584	5	NC	Ato	G	0.50	0.95	0.7815	1.0000	G	0.51	0.81	0.1421	1.0000	G	0.45	1.07	0.5404	1.0000	A	0.49	1.03	0.7263	1.0000	G	0.50	0.97	0.5567	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>CD14</i>	rs4914	5	CS	Ato	C	0.11	0.81	0.4747	1.0000	C	0.10	0.65	0.1074	0.9666	C	0.11	0.91	0.5957	1.0000	C	0.12	1.03	0.8002	1.0000	C	0.11	0.93	0.3909	1.0000
<i>CD14</i>	rs2569190**	5	NC	Ato	G	0.51	0.89	0.5210	1.0000	G	0.51	0.76	0.0671	0.2013	G	0.45	1.04	0.6969	1.0000	A	0.48	1.02	0.7704	1.0000	A	0.49	1.05	0.3585	1.0000
<i>CD14</i>	rs5744455	5	NC	Ato	T	0.24	1.02	0.9136	1.0000	T	0.23	0.77	0.1576	1.0000	T	0.19	1.05	0.7319	1.0000	T	0.24	1.02	0.8576	1.0000	T	0.23	0.99	0.8557	1.0000
<i>CD14</i>	rs2569193**	5	NC	Ato											A	0.25	1.02	0.9009	1.0000						A	0.25	1.02	0.9009	1.0000
<i>CD14</i>	rs3822356	5	NC	Ato	G	0.24	0.96	0.8312	1.0000	G	0.23	0.83	0.3046	1.0000	G	0.19	1.06	0.6816	1.0000	G	0.23	1.00	0.9654	1.0000	G	0.23	0.99	0.8338	1.0000
<i>CHUK</i>	rs3808916	10	NC	Ato	A	0.08	0.57	0.0934	1.0000	A	0.08	1.50	0.1367	1.0000	A	0.09	1.30	0.1389	1.0000	A	0.06	1.07	0.6936	1.0000	A	0.08	1.13	0.2331	1.0000
<i>CHUK</i>	rs3818411	10	NC	Ato	G	0.50	0.91	0.5899	1.0000	G	0.50	1.07	0.6565	1.0000	G	0.43	1.13	0.2762	1.0000	G	0.47	0.91	0.2768	1.0000	G	0.48	0.99	0.8536	1.0000
<i>CHUK</i>	rs17885986	10	NC	Ato	T	0.07	0.56	0.1279	1.0000	T	0.05	0.75	0.4489	1.0000	T	0.06	1.18	0.4522	1.0000	T	0.06	1.20	0.2723	1.0000	T	0.06	1.06	0.6316	1.0000
<i>CHUK</i>	rs17880383	10	CS	Ato	A	0.05	0.70	0.4657	1.0000	A	0.04	0.58	0.2486	1.0000	A	0.07	0.84	0.3789	1.0000	A	0.06	1.26	0.1897	1.0000	A	0.05	0.99	0.9040	1.0000
<i>CHUK</i>	rs11595324	10	NC	Ato	C	0.04	1.27	0.5480	1.0000	C	0.04	0.58	0.1417	1.0000	C	0.04	1.09	0.7727	1.0000						C	0.04	0.94	0.7675	1.0000
<i>CHUK</i>	rs17885645	10	NC	Ato	C	0.38	1.33	0.1216	1.0000	C	0.38	0.82	0.2055	1.0000	C	0.47	0.79	0.0325	0.3896	C	0.46	1.06	0.5063	1.0000	C	0.43	0.96	0.5293	1.0000
<i>IKBKAP</i>	rs10521090	9	NC	Ato	C	0.29	1.08	0.6891	1.0000	C	0.28	0.64	0.0104	0.3492	C	0.28	0.93	0.5426	1.0000	C	0.31	1.03	0.7140	1.0000	C	0.29	0.95	0.3850	1.0000
<i>IKBKAP</i>	rs1417714	9	NC	Ato	A	0.44	0.83	0.3088	1.0000	A	0.43	0.86	0.3283	1.0000	A	0.38	0.91	0.4094	1.0000	A	0.45	1.04	0.6101	1.0000	A	0.43	0.96	0.4454	1.0000
<i>IKBKAP</i>	rs7872727	9	NC	Ato	G	0.22	0.69	0.0987	1.0000	G	0.23	0.89	0.5244	1.0000	G	0.18	0.84	0.2004	1.0000	G	0.23	1.03	0.7211	1.0000	G	0.22	0.92	0.2472	1.0000
<i>IKBKAP</i>	rs10816750	9	NC	Ato	A	0.17	1.14	0.5736	1.0000	A	0.16	0.90	0.6152	1.0000	A	0.20	0.92	0.5429	1.0000	A	0.16	1.06	0.5957	1.0000	A	0.17	1.00	0.9847	1.0000
<i>IKBKAP</i>	rs1981268	9	NC	Ato	C	0.12	0.57	0.0563	1.0000	C	0.12	1.19	0.4730	1.0000	C	0.11	0.96	0.7947	1.0000						C	0.12	0.92	0.5269	1.0000
<i>IKBKAP</i>	rs4978753	9	NC	Ato	A	0.18	1.16	0.5021	1.0000	A	0.16	0.90	0.6152	1.0000	A	0.20	0.92	0.5429	1.0000	A	0.16	1.09	0.4620	1.0000	A	0.17	1.01	0.8451	1.0000
<i>IKBKAP</i>	rs2275496	9	NC	Ato	A	0.45	1.09	0.6521	1.0000	A	0.45	1.15	0.3682	1.0000	A	0.47	1.15	0.2013	1.0000	A	0.45	0.87	0.1138	1.0000	A	0.46	1.01	0.9168	1.0000
<i>IKBKAP</i>	rs10512388	9	NC	Ato	A	0.11	1.09	0.7680	1.0000	A	0.13	0.93	0.7357	1.0000	A	0.09	0.86	0.4366	1.0000	A	0.12	1.12	0.4005	1.0000	A	0.11	1.02	0.8559	1.0000
<i>IKBKAP</i>	rs4978374	9	NC	Ato	T	0.23	0.77	0.2779	1.0000	T	0.25	1.07	0.7194	1.0000	T	0.23	0.95	0.6973	1.0000	T	0.24	1.01	0.8882	1.0000	T	0.24	0.98	0.7851	1.0000
<i>IKBKAP</i>	rs3780507	9	NC	Ato	C	0.29	1.21	0.3310	1.0000	C	0.28	0.89	0.4638	1.0000	C	0.28	0.90	0.3705	1.0000	C	0.28	1.13	0.1863	1.0000	C	0.28	1.03	0.6406	1.0000
<i>IKBKAP</i>	rs10759326	9	CNS	Ato	C	0.19	1.11	0.6463	1.0000	C	0.18	1.02	0.9230	1.0000	C	0.15	0.92	0.5615	1.0000	C	0.19	1.20	0.0796	1.0000	C	0.19	1.09	0.2601	1.0000
<i>IKBKAP</i>	rs2275632	9	NC	Ato	A	0.06	1.30	0.5310	1.0000	A	0.07	0.85	0.5635	1.0000	A	0.04	1.04	0.8840	1.0000						A	0.06	1.00	1.0000	1.0000
<i>IKBKAP</i>	rs3818932	9	NC	Ato	G	0.30	1.18	0.3927	1.0000	G	0.29	1.00	1.0000	1.0000	G	0.32	1.26	0.0638	1.0000	G	0.28	0.92	0.3499	1.0000	G	0.29	1.04	0.5547	1.0000
<i>IKBKAP</i>	rs838827	9	CNS	Ato	A	0.05	1.00	1.0000	1.0000	A	0.05	1.00	1.0000	1.0000	A	0.05	0.73	0.2159	1.0000	A	0.06	1.09	0.5993	1.0000	A	0.06	0.97	0.8169	1.0000
<i>IKBKAP</i>	rs838825	9	NC	Ato	G	0.17	0.94	0.7995	1.0000	G	0.19	1.21	0.3046	1.0000	G	0.18	1.08	0.6086	1.0000	G	0.19	0.95	0.6255	1.0000	G	0.18	1.02	0.8018	1.0000
<i>IKBKAP</i>	rs838824	9	NC	Ato	T	0.34	1.15	0.4495	1.0000	T	0.33	1.01	0.9347	1.0000	T	0.37	1.14	0.2796	1.0000	T	0.34	0.94	0.4702	1.0000	T	0.35	1.02	0.7532	1.0000
<i>IKBKAP</i>	rs2297579	9	NC	Ato	A	0.09	1.19	0.6119	1.0000	A	0.11	0.86	0.5411	1.0000	A	0.06	0.88	0.6112	1.0000	A	0.08	1.06	0.6832	1.0000	A	0.08	1.00	0.9724	1.0000
<i>IKBKAP</i>	rs838818	9	NC	Ato	G	0.33	0.79	0.2296	1.0000	G	0.34	0.91	0.5636	1.0000	G	0.34	0.87	0.2563	1.0000	G	0.33	0.98	0.7929	1.0000	G	0.33	0.92	0.1758	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>IKBKAP</i>	rs838819	9	NC	Ato	T	0.48	0.79	0.2208	1.0000	C	0.50	0.99	0.9368	1.0000	T	0.50	0.89	0.3201	1.0000	T	0.49	0.97	0.6891	1.0000	T	0.49	0.94	0.2552	1.0000
<i>IKBKAP</i>	rs2289480	9	NC	Ato	C	0.38	1.18	0.3840	1.0000	C	0.39	0.97	0.8175	1.0000	C	0.38	1.21	0.1088	1.0000	C	0.36	0.93	0.4124	1.0000	C	0.37	1.02	0.6785	1.0000
<i>IKBKB</i>	rs3747811	8	NC	Ato	A	0.49	0.81	0.2261	1.0000	A	0.48	0.88	0.3736	1.0000	A	0.47	1.05	0.6088	1.0000	A	0.48	0.94	0.4251	1.0000	A	0.48	0.95	0.3241	1.0000
<i>IKBKB</i>	rs11986055	8	NC	Ato	C	0.06	1.30	0.5310	1.0000	C	0.04	0.73	0.4904	1.0000	C	0.02	2.00	0.2437	1.0000	C	0.04	1.13	0.5549	1.0000	C	0.04	1.14	0.4234	1.0000
<i>IKBKB</i>	rs5029748	8	NC	Ato	A	0.29	0.91	0.6222	1.0000	A	0.28	0.97	0.8628	1.0000	A	0.27	1.01	0.9521	1.0000	A	0.26	0.85	0.0722	1.0000	A	0.27	0.91	0.1527	1.0000
<i>IKBKB</i>	rs4560769	8	NC	Ato	C	0.09	1.00	1.0000	1.0000	C	0.08	0.89	0.6743	1.0000	C	0.10	1.10	0.6014	1.0000	C	0.09	1.23	0.1524	1.0000	C	0.09	1.12	0.2615	1.0000
<i>IKBKB</i>	rs2272733	8	NC	Ato	A	0.12	1.08	0.7773	1.0000	A	0.12	1.00	1.0000	1.0000	A	0.12	1.25	0.1956	1.0000	A	0.13	1.18	0.1945	1.0000	A	0.12	1.16	0.0947	1.0000
<i>IKBKB</i>	rs17875746	8	NC	Ato	A	0.03	0.67	0.4370	1.0000	A	0.04	0.64	0.2952	1.0000	A	0.09	1.00	1.0000	1.0000	A	0.05	1.28	0.1991	1.0000	A	0.05	1.04	0.7343	1.0000
<i>IKBKB</i>	rs10958713	8	NC	Ato	A	0.37	0.80	0.2289	1.0000	A	0.37	0.90	0.5244	1.0000	A	0.37	0.91	0.3758	1.0000	A	0.36	0.91	0.2756	1.0000	A	0.36	0.90	0.0657	0.9850
<i>IL18</i>	rs543810	11	NC	Ato	C	0.15	1.00	1.0000	1.0000	C	0.13	1.36	0.1734	1.0000	C	0.14	1.04	0.7977	1.0000	C	0.09	0.92	0.5510	1.0000	C	0.12	1.03	0.7688	1.0000
<i>IL18</i>	rs549908	11	CS	Ato	G	0.28	1.94	0.0015	0.0180	G	0.29	1.09	0.6095	1.0000	G	0.30	1.05	0.6856	1.0000	G	0.31	1.08	0.3958	1.0000	G	0.30	1.13	0.0503	0.6035
<i>IL18</i>	rs5744256	11	NC	Ato	C	0.22	0.66	0.0691	0.8286	C	0.24	0.61	0.0090	0.1078	C	0.26	0.76	0.0405	0.4861	C	0.26	0.96	0.6555	1.0000	C	0.25	0.82	0.0043	0.0520
<i>IL18</i>	rs1834481	11	NC	Ato	C	0.22	0.71	0.1881	1.0000	C	0.24	0.63	0.0270	0.3241	C	0.27	0.75	0.0528	0.6335						C	0.24	0.70	0.0016	0.0197
<i>IL18</i>	rs2043055	11	NC	Ato	G	0.37	0.82	0.2769	1.0000	G	0.36	1.17	0.3269	1.0000	G	0.32	1.21	0.0993	1.0000	G	0.38	1.02	0.8253	1.0000	G	0.36	1.06	0.3113	1.0000
<i>IL18</i>	rs360717**	11	NC	Ato	A	0.25	1.91	0.0024	0.0073	A	0.26	1.08	0.6669	1.0000	A	0.27	0.96	0.7630	1.0000						A	0.26	1.12	0.1958	0.5874
<i>IL18</i>	rs1946518	11	NC	Ato	T	0.41	1.45	0.0391	0.4693	T	0.40	1.17	0.3269	1.0000	T	0.43	0.95	0.6197	1.0000	T	0.38	1.01	0.9278	1.0000	T	0.40	1.05	0.4097	1.0000
<i>IL18</i>	rs360712	11	CS	Ato	C	0.24	1.93	0.0026	0.0312	C	0.25	1.06	0.7277	1.0000	C	0.24	0.91	0.4838	1.0000	C	0.26	1.13	0.1805	1.0000	C	0.25	1.11	0.1026	1.0000
<i>IL18BP</i>	rs2276384	11	NC	Ato	C	0.04	1.13	0.8083	1.0000	C	0.04	0.73	0.4319	1.0000	C	0.02	1.30	0.4201	1.0000	C	0.02	0.84	0.5760	1.0000	C	0.03	0.98	0.8912	1.0000
<i>IL18BP</i>	rs3814721	11	NC	Ato	C	0.08	0.88	0.7149	1.0000	C	0.07	0.86	0.6393	1.0000	C	0.06	1.32	0.1980	1.0000	C	0.05	1.16	0.4421	1.0000	C	0.06	1.12	0.3599	1.0000
<i>IL18BP</i>	rs2298455	11	NC	Ato	C	0.12	0.85	0.5218	1.0000	C	0.11	1.03	0.9028	1.0000	C	0.12	1.12	0.5017	1.0000	C	0.12	0.99	0.9040	1.0000	C	0.12	1.01	0.9288	1.0000
<i>IL18BP</i>	rs1573503	11	NC	Ato	A	0.04	1.00	1.0000	1.0000	A	0.03	0.77	0.5310	1.0000	A	0.02	1.88	0.1492	1.0000	A	0.02	0.83	0.5747	1.0000	A	0.03	1.01	0.9549	1.0000
<i>IL18R1</i>	rs13015714	2	NC	Ato	G	0.26	1.43	0.0835	1.0000	G	0.29	0.99	0.9319	1.0000	G	0.22	0.82	0.1423	1.0000	G	0.23	0.92	0.4024	1.0000	G	0.25	0.95	0.4358	1.0000
<i>IL18R1</i>	rs4851567	2	NC	Ato	T	0.09	0.95	0.8728	1.0000																T	0.09	0.95	0.8728	1.0000
<i>IL18R1</i>	rs10170583	2	NC	Ato	A	0.35	0.87	0.4535	1.0000	A	0.32	0.97	0.8628	1.0000	A	0.41	0.88	0.2777	1.0000	A	0.38	0.89	0.1681	1.0000	A	0.36	0.90	0.0649	1.0000
<i>IL18R1</i>	rs10204837	2	NC	Ato	A	0.35	0.86	0.4091	1.0000	A	0.32	0.99	0.9334	1.0000	A	0.41	0.90	0.3707	1.0000	A	0.37	0.88	0.1288	1.0000	A	0.36	0.90	0.0669	1.0000
<i>IL18R1</i>	rs11465567	2	NC	Ato	G	0.10	1.15	0.6472	1.0000	G	0.10	0.73	0.2323	1.0000	G	0.10	1.38	0.0921	1.0000	G	0.10	1.19	0.2179	1.0000	G	0.10	1.15	0.1489	1.0000
<i>IL18R1</i>	rs2287037	2	NC	Ato	A	0.39	0.87	0.4206	1.0000	A	0.39	1.04	0.8175	1.0000	A	0.36	1.27	0.3611	1.0000	A	0.40	1.21	0.0208	0.6280	A	0.39	1.13	0.0646	1.0000
<i>IL18R1</i>	rs11465572	2	NC	Ato	T	0.10	1.21	0.5368	1.0000	T	0.10	0.76	0.2927	1.0000	T	0.10	1.38	0.0921	1.0000	T	0.10	1.19	0.2182	1.0000	T	0.10	1.16	0.1233	1.0000
<i>IL18R1</i>	rs10515921	2	NC	Ato	G	0.12	0.85	0.5714	1.0000	G	0.11	1.00	1.0000	1.0000	G	0.11	0.82	0.2718	1.0000	G	0.15	0.92	0.4783	1.0000	G	0.13	0.90	0.2261	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
IL18R1	rs3771172	2	NC	Ato	T	0.29	0.80	0.2433	1.0000	T	0.29	1.17	0.3506	1.0000	T	0.27	1.14	0.2850	1.0000	T	0.30	1.15	0.1190	1.0000	T	0.29	1.11	0.1060	1.0000
IL18R1	rs1465321	2	NC	Ato	A	0.26	1.45	0.0682	1.0000	A	0.29	0.97	0.8658	1.0000	A	0.22	0.84	0.1844	1.0000	A	0.22	0.92	0.4235	1.0000	A	0.25	0.95	0.4964	1.0000
IL18R1	rs11465597	2	NC	Ato	C	0.10	1.16	0.6393	1.0000	C	0.10	0.78	0.3532	1.0000	C	0.10	1.60	0.0134	0.4062	C	0.10	1.17	0.2715	1.0000	C	0.10	1.20	0.0599	1.0000
IL18R1	rs7579737	2	NC	Ato	G	0.28	0.86	0.4677	1.0000	G	0.27	0.98	0.9304	1.0000	G	0.33	1.09	0.5023	1.0000	G	0.31	0.99	0.9111	1.0000	G	0.30	1.00	0.9881	1.0000
IL18R1	rs6758936	2	NC	Ato	A	0.45	0.93	0.7103	1.0000	A	0.42	0.89	0.4608	1.0000	A	0.50	1.01	0.9123	1.0000	A	0.47	0.95	0.5040	1.0000	A	0.46	0.96	0.4287	1.0000
IL18R1	rs7558013	2	NC	Ato	T	0.19	1.11	0.6505	1.0000	T	0.18	1.23	0.2826	1.0000	T	0.21	0.79	0.0781	1.0000	T	0.24	0.94	0.4909	1.0000	T	0.21	0.94	0.3669	1.0000
IL18R1	rs11465623	2	NC	Ato	A	0.08	0.88	0.7236	1.0000	A	0.08	0.64	0.1582	1.0000	A	0.12	1.49	0.0214	0.6480	A	0.08	1.27	0.1208	1.0000	A	0.09	1.21	0.0644	1.0000
IL18R1	rs3213733	2	NC	Ato	A	0.17	0.83	0.4247	1.0000	A	0.16	0.80	0.2433	1.0000	A	0.17	1.00	1.0000	1.0000	A	0.15	0.86	0.1824	1.0000	A	0.16	0.88	0.0964	1.0000
IL18R1	rs2241116	2	NC	Ato	T	0.21	0.82	0.3397	1.0000	T	0.21	1.17	0.4051	1.0000	T	0.21	1.26	0.0917	1.0000	T	0.23	1.18	0.0909	1.0000	T	0.22	1.15	0.0405	1.0000
IL18RAP	rs1592458	2	NC	Ato	T	0.45	0.92	0.6410	1.0000	T	0.42	0.88	0.4171	1.0000	T	0.50	1.01	0.9123	1.0000	T	0.47	0.95	0.5028	1.0000	T	0.46	0.95	0.3953	1.0000
IL18RAP	rs1807782	2	NC	Ato	G	0.26	1.45	0.0682	1.0000	G	0.29	0.97	0.8658	1.0000	G	0.22	0.85	0.2084	1.0000	G	0.23	0.91	0.3241	1.0000	G	0.25	0.95	0.4370	1.0000
IL18RAP	rs11465670	2	NC	Ato	C	0.12	0.96	0.8886	1.0000	C	0.11	0.97	0.9068	1.0000	C	0.11	0.85	0.4004	1.0000	C	0.15	0.97	0.7929	1.0000	C	0.13	0.94	0.5042	1.0000
IL18RAP	rs1833174	2	NC	Ato	A	0.45	0.90	0.5741	1.0000	A	0.42	0.85	0.3269	1.0000	A	0.50	1.01	0.9121	1.0000	A	0.47	0.95	0.5051	1.0000	A	0.46	0.95	0.3491	1.0000
IL18RAP	rs2293225	2	NC	Ato	A	0.21	0.87	0.5175	1.0000	A	0.21	1.19	0.3529	1.0000	A	0.21	1.27	0.0800	1.0000	A	0.23	1.18	0.0867	1.0000	A	0.22	1.17	0.0250	0.6851
IL18RAP	rs6756407	2	NC	Ato	A	0.08	0.89	0.7388	1.0000	A	0.08	0.64	0.1582	1.0000	A	0.12	1.45	0.0335	1.0000	A	0.08	1.21	0.2145	1.0000	A	0.09	1.17	0.1254	1.0000
IL18RAP	rs3771156	2	NC	Ato	A	0.29	0.83	0.3356	1.0000	A	0.28	1.21	0.2664	1.0000	A	0.27	1.12	0.3420	1.0000	A	0.30	1.16	0.1098	1.0000	A	0.29	1.11	0.0882	1.0000
IL18RAP	rs10176820	2	NC	Ato	G	0.17	0.83	0.4247	1.0000	G	0.16	0.82	0.3264	1.0000	G	0.17	1.01	0.9372	1.0000	G	0.15	0.86	0.1835	1.0000	G	0.16	0.89	0.1226	1.0000
IL18RAP	rs2075186	2	NC	Ato	A	0.17	0.80	0.3519	1.0000	A	0.16	0.78	0.2040	1.0000	A	0.17	1.01	0.9372	1.0000	A	0.15	0.86	0.1900	1.0000	A	0.16	0.88	0.0911	1.0000
IL18RAP	rs11465702	2	NC	Ato	G	0.12	0.79	0.4049	1.0000	G	0.12	0.70	0.1166	1.0000	G	0.15	0.97	0.8685	1.0000	G	0.12	0.83	0.1298	1.0000	G	0.12	0.84	0.0453	1.0000
IL18RAP	rs6748390	2	NC	Ato	C	0.28	1.02	0.9207	1.0000	C	0.26	1.02	0.9282	1.0000	C	0.33	1.00	1.0000	1.0000	C	0.32	1.00	0.9772	1.0000	C	0.30	1.00	0.9345	1.0000
IL18RAP	rs6543135	2	NC	Ato	A	0.19	1.08	0.7324	1.0000	A	0.18	1.23	0.2826	1.0000	A	0.20	0.82	0.1216	1.0000	A	0.24	0.94	0.5378	1.0000	A	0.21	0.95	0.4352	1.0000
IL18RAP	rs11465724	2	NC	Ato	A	0.03	0.83	0.7629	1.0000	A	0.03	0.67	0.4370	1.0000	A	0.03	0.83	0.4988	1.0000	A	0.04	1.25	0.3398	1.0000	A	0.03	0.99	0.9428	1.0000
IL18RAP	rs11465730	2	NC	Ato	C	0.46	0.76	0.1138	1.0000	C	0.45	0.99	0.9401	1.0000	C	0.45	1.12	0.2960	1.0000	C	0.45	1.05	0.5817	1.0000	C	0.45	1.02	0.7025	1.0000
IL18RAP	rs917998	2	NC	Ato	A	0.08	1.33	0.3972	1.0000	A	0.08	1.67	0.0816	1.0000	A	0.10	0.80	0.2014	1.0000	A	0.09	0.94	0.6366	1.0000	A	0.09	0.98	0.8146	1.0000
IL1A	rs2048874	2	NC	Ato	T	0.11	2.27	0.0060	0.0712	T	0.10	1.36	0.2663	1.0000	T	0.15	1.21	0.2217	1.0000	T	0.13	1.04	0.7309	1.0000	T	0.12	1.20	0.0358	0.4251
IL1A	rs4848300	2	NC	Ato	C	0.28	1.02	0.9230	1.0000	C	0.29	0.93	0.6646	1.0000	C	0.30	0.81	0.0772	0.9042	C	0.29	0.95	0.6043	1.0000	C	0.29	0.91	0.1544	1.0000
IL1A	rs3783546	2	NC	Ato	G	0.35	0.79	0.2208	1.0000	G	0.35	0.91	0.5582	1.0000	G	0.29	1.11	0.3885	1.0000	G	0.31	1.00	0.9577	1.0000	G	0.32	0.99	0.8225	1.0000
IL1A	rs17561**	2	CNS	Ato	A	0.27	0.96	0.8460	1.0000	A	0.28	0.98	0.9304	1.0000	A	0.30	0.81	0.0772	0.2315	A	0.29	0.96	0.6505	1.0000	A	0.29	0.92	0.1772	0.5316
IL1A	rs1800587	2	NC	Ato	A	0.27	1.00	1.0000	1.0000	A	0.29	0.96	0.7962	1.0000	A	0.30	0.80	0.0673	0.7881	A	0.29	0.96	0.6310	1.0000	A	0.29	0.92	0.1626	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>IL1A</i>	rs3783516	2	NC	Ato	A	0.38	1.25	0.2329	1.0000	A	0.36	1.13	0.4608	1.0000	A	0.41	1.11	0.3773	1.0000	A	0.40	1.04	0.6526	1.0000	A	0.39	1.09	0.1551	1.0000
<i>IL1B</i>	rs3917368	2	NC	Ato	T	0.37	0.76	0.1368	0.8208	T	0.36	1.02	0.8744	1.0000	T	0.36	1.14	0.2995	1.0000	T	0.36	0.98	0.8577	1.0000	T	0.36	1.00	0.9712	1.0000
<i>IL1B</i>	rs1143634	2	CS	Ato	A	0.19	0.93	0.7357	1.0000	A	0.21	1.05	0.7797	1.0000	A	0.25	0.80	0.0658	0.3546	A	0.23	1.01	0.8809	1.0000	A	0.22	0.94	0.3638	1.0000
<i>IL1B</i>	rs1143627	2	NC	Ato	G	0.37	1.67	0.0065	0.0393	G	0.38	1.02	0.8774	1.0000	G	0.27	1.16	0.2405	1.0000	G	0.34	1.05	0.5861	1.0000	G	0.35	1.12	0.0573	0.3436
<i>IL1B</i>	rs16944**	2	NC	Ato	T	0.37	1.59	0.0144	0.0434	T	0.37	1.05	0.7562	1.0000	T	0.27	1.16	0.2405	0.7215	T	0.35	1.06	0.5064	1.0000	T	0.35	1.13	0.0503	0.1508
<i>IL1R1</i>	rs11883987	2	NC	Ato	G	0.40	1.16	0.3839	1.0000	G	0.39	0.84	0.2681	1.0000						G	0.39	0.87	0.1116	1.0000	G	0.39	0.91	0.1529	1.0000
<i>IL1R1</i>	rs1558642	2	NC	Ato	A	0.19	1.17	0.4579	1.0000	A	0.21	0.97	0.8514	1.0000	A	0.21	1.01	0.9454	1.0000	A	0.21	0.95	0.5937	1.0000	A	0.21	0.99	0.8706	1.0000
<i>IL1R1</i>	rs6754776	2	NC	Ato	C	0.14	0.60	0.0295	1.0000	C	0.12	0.60	0.0330	1.0000	C	0.14	1.37	0.0410	1.0000	C	0.13	0.82	0.1145	1.0000	C	0.13	0.89	0.1428	1.0000
<i>IL1R1</i>	rs3917225	2	NC	Ato	G	0.45	1.17	0.3540	1.0000	G	0.47	1.41	0.0253	0.9224	G	0.45	0.94	0.5989	1.0000	G	0.48	1.19	0.0306	1.0000	G	0.47	1.15	0.0155	0.5611
<i>IL1R1</i>	rs2192752	2	NC	Ato	C	0.20	1.17	0.4579	1.0000	C	0.21	0.90	0.5806	1.0000	C	0.21	1.01	0.9454	1.0000	C	0.21	0.95	0.5785	1.0000	C	0.21	0.98	0.7507	1.0000
<i>IL1R1</i>	rs949963	2	NC	Ato	T	0.19	1.13	0.5784	1.0000	T	0.18	0.85	0.4011	1.0000	T	0.17	0.87	0.3680	1.0000	T	0.16	0.88	0.2704	1.0000	T	0.17	0.90	0.1750	1.0000
<i>IL1R1</i>	rs3917243	2	NC	Ato	T	0.47	1.29	0.1429	1.0000	C	0.52	0.71	0.0234	0.8521	T	0.47	0.88	0.2807	1.0000	T	0.49	1.16	0.0633	1.0000	T	0.48	1.13	0.0356	1.0000
<i>IL1R1</i>	rs3917254	2	NC	Ato	A	0.11	0.61	0.0478	1.0000	A	0.10	1.00	1.0000	1.0000	A	0.05	1.63	0.0387	1.0000	A	0.10	0.85	0.2194	1.0000	A	0.09	0.93	0.4330	1.0000
<i>IL1R1</i>	rs3917273	2	NC	Ato	T	0.44	0.75	0.1082	1.0000	T	0.47	0.81	0.1720	1.0000	T	0.39	0.96	0.7412	1.0000	T	0.41	0.95	0.5390	1.0000	T	0.43	0.91	0.1022	1.0000
<i>IL1R1</i>	rs3917285	2	NC	Ato	T	0.09	0.90	0.7455	1.0000	T	0.09	0.71	0.1957	1.0000	T	0.12	1.02	0.9237	1.0000	T	0.08	0.81	0.1662	1.0000	T	0.09	0.86	0.1330	1.0000
<i>IL1R1</i>	rs2228139	2	CNS	Ato	C	0.06	1.11	0.8185	1.0000	C	0.06	1.31	0.4104	1.0000	C	0.08	0.86	0.4448	1.0000	C	0.08	1.04	0.7950	1.0000	C	0.07	1.01	0.9357	1.0000
<i>IL1R1</i>	rs3917289	2	NC	Ato	A	0.07	1.30	0.5310	1.0000	A	0.07	1.22	0.5267	1.0000	A	0.08	0.90	0.5738	1.0000	A	0.09	1.05	0.7263	1.0000	A	0.08	1.03	0.7601	1.0000
<i>IL1R1</i>	rs997049	2	NC	Ato	A	0.38	1.29	0.1685	1.0000	A	0.35	1.33	0.0758	1.0000	A	0.44	1.04	0.7341	1.0000	A	0.41	1.07	0.4173	1.0000	A	0.40	1.11	0.0668	1.0000
<i>IL1R1</i>	rs3917292	2	NC	Ato	A	0.06	1.14	0.7149	1.0000	A	0.06	1.42	0.3520	1.0000	A	0.05	0.74	0.2458	1.0000	A	0.08	1.00	0.9791	1.0000	A	0.06	0.99	0.9212	1.0000
<i>IL1R1</i>	rs3917296	2	NC	Ato	G	0.09	0.96	0.8815	1.0000	G	0.07	0.70	0.2370	1.0000	G	0.08	1.14	0.4979	1.0000	G	0.08	1.11	0.4787	1.0000	G	0.08	1.04	0.6919	1.0000
<i>IL1R1</i>	rs951193	2	NC	Ato	A	0.04	0.55	0.2218	1.0000	A	0.05	0.64	0.1806	1.0000	A	0.03	0.81	0.4647	1.0000	A	0.04	1.11	0.5938	1.0000	A	0.04	0.88	0.3668	1.0000
<i>IL1R1</i>	rs3917304	2	NC	Ato	A	0.32	0.77	0.1813	1.0000	A	0.35	0.74	0.0700	1.0000	A	0.27	0.95	0.7087	1.0000	A	0.27	0.96	0.6926	1.0000	A	0.30	0.90	0.1069	1.0000
<i>IL1R1</i>	rs3917332	2	NC	Ato	A	0.19	1.14	0.5687	1.0000	A	0.18	0.96	0.8488	1.0000	A	0.22	1.05	0.7377	1.0000	A	0.20	0.98	0.8717	1.0000	A	0.19	1.01	0.8604	1.0000
<i>IL1R1</i>	rs1030021	2	NC	Ato	G	0.31	0.69	0.0771	1.0000											G	0.27	0.96	0.6201	1.0000	G	0.28	0.91	0.2420	1.0000
<i>IL1R2</i>	rs740044	2	NC	Ato	A	0.25	0.73	0.1528	1.0000	A	0.26	0.81	0.2407	1.0000	A	0.29	0.77	0.0349	0.8417	A	0.30	0.84	0.0438	0.7932	A	0.28	0.80	0.0007	0.0153
<i>IL1R2</i>	rs4851519	2	NC	Ato	T	0.09	0.69	0.2265	1.0000	T	0.08	1.13	0.7236	1.0000	T	0.07	1.21	0.3818	1.0000	T	0.09	0.93	0.6407	1.0000	T	0.08	0.98	0.8169	1.0000
<i>IL1R2</i>	rs4851522	2	NC	Ato	T	0.14	1.27	0.3616	1.0000	T	0.14	1.10	0.6698	1.0000	T	0.10	1.11	0.5772	1.0000						T	0.13	1.14	0.2942	1.0000
<i>IL1R2</i>	rs757918	2	NC	Ato	G	0.45	0.86	0.4091	1.0000	G	0.44	0.99	0.9368	1.0000	G	0.47	0.77	0.0197	0.4743	G	0.49	0.89	0.1736	1.0000	G	0.47	0.87	0.0134	0.2816
<i>IL1R2</i>	rs4851526	2	NC	Ato	C	0.43	1.29	0.1568	1.0000	C	0.46	0.90	0.4912	1.0000	C	0.44	1.36	0.0059	0.1420	C	0.40	1.15	0.1015	1.0000	C	0.42	1.17	0.0056	0.1171

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Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>IL1R2</i>	rs719250	2	NC	Ato	T	0.11	0.76	0.3262	1.0000	T	0.09	1.44	0.2610	1.0000	T	0.08	0.82	0.2908	1.0000	T	0.10	0.99	0.9409	1.0000	T	0.10	0.94	0.5507	1.0000
<i>IL1R2</i>	rs3218848	2	NC	Ato	A	0.42	1.26	0.1895	1.0000																A	0.42	1.26	0.1895	1.0000
<i>IL1R2</i>	rs2110562	2	NC	Ato	T	0.46	0.85	0.3610	1.0000	T	0.44	0.99	0.9372	1.0000	T	0.47	0.78	0.0225	0.5432	T	0.49	0.90	0.1841	1.0000	T	0.47	0.87	0.0144	0.3018
<i>IL1R2</i>	rs3218979	2	NC	Ato	A	0.15	1.15	0.5528	1.0000	A	0.15	0.91	0.6698	1.0000	A	0.11	1.07	0.7126	1.0000	A	0.16	1.00	0.9695	1.0000	A	0.15	1.01	0.8578	1.0000
<i>IL1R2</i>	rs2072473	2	NC	Ato	A	0.13	0.90	0.6858	1.0000	A	0.12	1.09	0.7728	1.0000	A	0.13	0.87	0.3595	1.0000	A	0.14	0.98	0.8561	1.0000	A	0.13	0.94	0.4952	1.0000
<i>IL1R2</i>	rs2072472	2	NC	Ato	C	0.28	1.21	0.3264	1.0000	C	0.32	0.91	0.5582	1.0000	C	0.32	1.39	0.0056	0.1351	C	0.26	1.11	0.2707	1.0000	C	0.29	1.16	0.0199	0.4172
<i>IL1R2</i>	rs7589525	2	NC	Ato	C	0.28	1.21	0.3264	1.0000	C	0.32	0.92	0.6170	1.0000	C	0.33	1.38	0.0068	0.1645	C	0.26	1.11	0.2592	1.0000	C	0.28	1.16	0.0190	0.4000
<i>IL1R2</i>	rs4851531	2	NC	Ato	A	0.42	1.10	0.5929	1.0000	A	0.44	0.94	0.6821	1.0000	A	0.46	1.22	0.0692	1.0000	A	0.40	1.08	0.3502	1.0000	A	0.42	1.10	0.0977	1.0000
<i>IL1R2</i>	rs4851534	2	NC	Ato	A	0.43	0.82	0.2769	1.0000	A	0.41	1.11	0.5270	1.0000	A	0.43	0.79	0.0299	0.7215	A	0.45	0.92	0.3340	1.0000	A	0.43	0.89	0.0528	1.0000
<i>IL1RL1</i>	rs4090473	2	NC	Ato	G	0.48	1.23	0.2689	1.0000	C	0.51	0.89	0.4210	1.0000	G	0.47	0.86	0.1427	1.0000	G	0.49	0.97	0.7077	1.0000	G	0.48	0.98	0.6909	1.0000
<i>IL1RL1</i>	rs950880	2	NC	Ato	A	0.39	0.92	0.6521	1.0000	A	0.39	1.09	0.5880	1.0000	A	0.39	1.21	0.0867	1.0000	A	0.40	1.15	0.0993	1.0000	A	0.39	1.13	0.0359	0.6460
<i>IL1RL1</i>	rs1420089	2	NC	Ato	C	0.09	1.00	1.0000	1.0000	C	0.08	1.70	0.0554	0.9963	C	0.15	0.99	0.9407	1.0000	C	0.11	0.98	0.8748	1.0000	C	0.11	1.04	0.6443	1.0000
<i>IL1RL1</i>	rs1420103	2	NC	Ato	A	0.27	1.33	0.1566	1.0000	A	0.30	0.96	0.8019	1.0000	A	0.22	0.85	0.2262	1.0000	A	0.24	0.98	0.8447	1.0000	A	0.25	0.98	0.7112	1.0000
<i>IL1RL1</i>	rs1041973	2	CNS	Ato	A	0.22	1.02	0.9146	1.0000	A	0.22	0.69	0.0458	0.8244	A	0.24	1.12	0.3736	1.0000						A	0.22	0.97	0.7433	1.0000
<i>IL1RL1</i>	rs6719130	2	NC	Ato	T	0.12	0.92	0.7680	1.0000	T	0.11	0.95	0.8185	1.0000	T	0.12	0.81	0.2395	1.0000	T	0.15	0.99	0.9315	1.0000	T	0.13	0.93	0.4278	1.0000
<i>IL1RL1</i>	rs3771175	2	NC	Ato	A	0.13	0.78	0.3532	1.0000	A	0.12	0.67	0.0763	1.0000	A	0.15	1.00	1.0000	1.0000	A	0.12	0.83	0.1300	1.0000	A	0.13	0.84	0.0415	0.7474
<i>IL1RL1</i>	rs1946131	2	NC	Ato	A	0.10	1.28	0.4343	1.0000	A	0.10	0.76	0.2927	1.0000	A	0.10	1.36	0.1103	1.0000	A	0.10	1.19	0.2120	1.0000	A	0.10	1.17	0.1195	1.0000
<i>IL1RL1</i>	rs1921622	2	NC	Ato	T	0.52	0.84	0.3249	1.0000	C	0.50	0.92	0.5945	1.0000	T	0.48	1.15	0.1913	1.0000	C	0.45	0.87	0.0989	1.0000	C	0.48	0.91	0.0845	1.0000
<i>IL1RN</i>	rs315931	2	NC	Ato	C	0.35	1.00	1.0000	1.0000	C	0.35	1.10	0.5688	1.0000	C	0.28	1.17	0.1909	1.0000	C	0.32	0.96	0.6524	1.0000	C	0.33	1.04	0.5663	1.0000
<i>IL1RN</i>	rs4251961	2	NC	Ato	G	0.32	0.96	0.8415	1.0000	G	0.35	0.80	0.1594	1.0000	G	0.43	0.94	0.5337	1.0000	G	0.38	0.94	0.4464	1.0000	G	0.36	0.92	0.1481	1.0000
<i>IL1RN</i>	rs2637988	2	NC	Ato	C	0.42	0.95	0.7851	1.0000	C	0.43	1.16	0.3485	1.0000	C	0.34	0.98	0.8225	1.0000	C	0.40	1.08	0.3781	1.0000	C	0.40	1.04	0.4467	1.0000
<i>IL1RN</i>	rs3213448	2	NC	Ato	T	0.16	0.84	0.4730	1.0000	T	0.14	1.56	0.0459	0.8271	T	0.10	0.82	0.2587	1.0000	T	0.12	1.20	0.1425	1.0000	T	0.13	1.09	0.3330	1.0000
<i>IL1RN</i>	rs315934	2	NC	Ato	G	0.19	0.79	0.3314	1.0000	G	0.18	1.06	0.7630	1.0000	G	0.18	1.14	0.3514	1.0000	G	0.19	1.08	0.4737	1.0000	G	0.19	1.06	0.4207	1.0000
<i>IL1RN</i>	rs392503**	2	NC	Ato	G	0.27	0.98	0.9237	1.0000	G	0.29	0.95	0.7389	1.0000	G	0.25	1.05	0.6671	1.0000	G	0.28	0.97	0.7451	1.0000	G	0.28	0.99	0.8716	1.0000
<i>IL1RN</i>	rs1794067**	2	NC	Ato	A	0.27	0.98	0.9251	1.0000	A	0.29	0.86	0.3640	1.0000	A	0.25	1.07	0.5802	1.0000	A	0.29	0.96	0.6750	1.0000	A	0.28	0.98	0.7004	1.0000
<i>IL1RN</i>	rs598859	2	NC	Ato	T	0.27	0.95	0.7758	1.0000	T	0.29	0.90	0.5078	1.0000	T	0.25	1.07	0.5802	1.0000						T	0.27	0.99	0.9302	1.0000
<i>IL1RN</i>	rs973635	2	NC	Ato	A	0.18	0.91	0.7139	1.0000	A	0.15	1.53	0.0514	0.9250	A	0.11	0.92	0.6120	1.0000	A	0.14	1.07	0.5779	1.0000	A	0.15	1.07	0.4442	1.0000
<i>IL1RN</i>	rs440286**	2	NC	Ato	T	0.25	0.89	0.5599	1.0000	T	0.27	0.96	0.8019	1.0000	T	0.24	1.04	0.7569	1.0000	T	0.28	1.02	0.7893	1.0000	T	0.27	1.00	0.9545	1.0000
<i>IL1RN</i>	rs315952	2	CS	Ato	G	0.32	0.83	0.3356	1.0000	G	0.29	1.21	0.2698	1.0000	G	0.25	0.98	0.8492	1.0000	G	0.28	1.04	0.6922	1.0000	G	0.29	1.02	0.7810	1.0000

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Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
IRAK2	rs11465853	3	NC	Ato	G	0.32	1.26	0.2859	1.0000	G	0.34	1.01	0.9360	1.0000	G	0.33	0.87	0.2477	1.0000	G	0.32	0.98	0.8097	1.0000	G	0.33	0.97	0.6748	1.0000
IRAK2	rs708030	3	NC	Ato	A	0.48	0.98	0.9244	1.0000	G	0.48	1.18	0.2798	1.0000	G	0.44	1.04	0.7148	1.0000	G	0.48	0.99	0.8704	1.0000	G	0.48	1.03	0.6092	1.0000
IRAK2	rs2619508	3	NC	Ato	A	0.49	0.84	0.3249	1.0000	C	0.51	0.66	0.0086	0.3370	A	0.42	1.10	0.3503	1.0000	A	0.43	0.91	0.2718	1.0000	A	0.46	1.02	0.7029	1.0000
IRAK2	rs11465861	3	NC	Ato	C	0.19	0.86	0.5074	1.0000	C	0.24	1.54	0.0228	0.8913	C	0.19	1.06	0.6262	1.0000	C	0.20	0.88	0.2198	1.0000	C	0.21	1.00	0.9482	1.0000
IRAK2	rs1681663	3	NC	Ato	T	0.29	0.90	0.6001	1.0000	T	0.23	1.16	0.4169	1.0000	T	0.24	0.99	0.9499	1.0000	T	0.22	0.93	0.4893	1.0000	T	0.24	0.98	0.7091	1.0000
IRAK2	rs1169670	3	NC	Ato	C	0.34	0.93	0.7103	1.0000	C	0.35	0.69	0.0298	1.0000	C	0.41	0.86	0.1612	1.0000	C	0.39	1.10	0.2683	1.0000	C	0.37	0.95	0.3716	1.0000
IRAK2	rs1177614	3	NC	Ato	C	0.29	0.94	0.7531	1.0000	C	0.24	1.11	0.5407	1.0000	C	0.23	1.00	1.0000	1.0000	C	0.22	0.96	0.7110	1.0000	C	0.24	0.99	0.9055	1.0000
IRAK2	rs155266	3	NC	Ato	T	0.40	1.15	0.4495	1.0000	T	0.44	1.44	0.0246	0.9605	T	0.39	1.21	0.4919	1.0000	T	0.44	1.01	0.9415	1.0000	T	0.43	1.10	0.1556	1.0000
IRAK2	rs1144911	3	NC	Ato	A	0.35	0.88	0.5101	1.0000	A	0.35	0.79	0.1727	1.0000	A	0.40	0.93	0.4948	1.0000	A	0.39	1.06	0.4716	1.0000	A	0.37	0.97	0.5828	1.0000
IRAK2	rs155584	3	NC	Ato	C	0.40	1.17	0.3969	1.0000	C	0.45	1.50	0.0157	0.6123	C	0.40	1.08	0.4689	1.0000	C	0.44	1.00	0.9692	1.0000	C	0.43	1.09	0.1296	1.0000
IRAK2	rs263408	3	NC	Ato	G	0.07	1.00	1.0000	1.0000	G	0.07	0.90	0.7455	1.0000	G	0.10	1.17	0.2932	1.0000	G	0.09	0.84	0.2209	1.0000	G	0.08	0.98	0.7954	1.0000
IRAK2	rs263410	3	NC	Ato	T	0.21	0.94	0.8084	1.0000	T	0.18	0.79	0.2125	1.0000	T	0.15	1.39	0.3677	1.0000	T	0.13	0.89	0.3302	1.0000	T	0.16	0.90	0.2338	1.0000
IRAK2	rs263412	3	NC	Ato	G	0.09	1.23	0.5160	1.0000	G	0.08	0.72	0.2847	1.0000	G	0.11	1.17	0.3107	1.0000	G	0.10	0.80	0.1012	1.0000	G	0.09	0.94	0.5227	1.0000
IRAK2	rs1169674	3	NC	Ato	A	0.01	1.00	1.0000	1.0000	A	0.01	1.00	1.0000	1.0000	A	0.00	*	0.0185	0.7332	A	0.01	0.98	0.9568	1.0000	A	0.01	0.83	0.4750	1.0000
IRAK2	rs459864	3	NC	Ato	A	0.20	1.03	0.9013	1.0000	A	0.18	0.79	0.1969	1.0000	A	0.17	0.92	0.5252	1.0000	A	0.14	0.96	0.7406	1.0000	A	0.17	0.92	0.2857	1.0000
IRAK2	rs464286	3	CS	Ato	C	0.08	2.00	0.0435	1.0000	C	0.06	0.72	0.3681	1.0000	C	0.08	1.27	0.1653	1.0000	C	0.07	0.92	0.5930	1.0000	C	0.08	1.09	0.3982	1.0000
IRAK2	rs2302859	3	NC	Ato	G	0.30	1.31	0.2209	1.0000	G	0.25	0.85	0.3650	1.0000	G	0.24	1.01	0.9113	1.0000	G	0.22	0.93	0.4620	1.0000	G	0.25	0.97	0.6969	1.0000
IRAK2	rs3844283	3	CNS	Ato	G	0.40	1.09	0.6350	1.0000	G	0.43	1.27	0.1438	1.0000	G	0.37	1.13	0.2631	1.0000	G	0.43	1.09	0.2950	1.0000	G	0.41	1.12	0.0453	1.0000
IRAK2	rs779905	3	NC	Ato	T	0.21	1.06	0.8111	1.0000	T	0.18	0.84	0.3487	1.0000	T	0.14	0.82	0.1469	1.0000	T	0.13	0.94	0.6208	1.0000	T	0.16	0.90	0.1513	1.0000
IRAK2	rs776514	3	NC	Ato	A	0.40	0.88	0.4828	1.0000	A	0.38	0.90	0.5135	1.0000	A	0.47	1.02	0.8752	1.0000	A	0.44	0.93	0.3725	1.0000	A	0.42	0.95	0.3243	1.0000
IRAK2	rs708035	3	CNS	Ato	A	0.31	0.75	0.1265	1.0000	A	0.31	0.97	0.8618	1.0000	A	0.39	0.94	0.5784	1.0000	A	0.37	0.96	0.5956	1.0000	A	0.34	0.93	0.2259	1.0000
IRAK2	rs11706450	3	NC	Ato	C	0.49	1.13	0.4861	1.0000	T	0.48	0.75	0.0758	1.0000	T	0.52	0.84	0.1166	1.0000	T	0.48	0.91	0.2620	1.0000	T	0.49	0.87	0.0133	0.5204
IRAK2	rs713016	3	NC	Ato	A	0.19	1.36	0.2175	1.0000	A	0.16	0.65	0.0288	1.0000	A	0.13	0.85	0.2322	1.0000	A	0.11	0.87	0.2674	1.0000	A	0.14	0.86	0.0611	1.0000
IRAK2	rs11465932	3	NC	Ato	T	0.49	1.11	0.5438	1.0000	C	0.48	0.74	0.0642	1.0000	C	0.52	0.83	0.0827	1.0000	C	0.48	0.89	0.1548	1.0000	C	0.49	0.85	0.0057	0.2225
IRAK4	rs10880565	12	NC	Ato	C	0.11	1.16	0.6393	1.0000	C	0.12	1.00	1.0000	1.0000	C	0.11	1.24	0.2220	1.0000	C	0.11	0.82	0.1340	1.0000	C	0.11	0.98	0.8030	1.0000
IRAK4	rs4251431	12	NC	Ato	T	0.09	0.84	0.6119	1.0000	T	0.11	1.15	0.5528	1.0000	T	0.10	1.20	0.3165	1.0000	T	0.09	0.89	0.4082	1.0000	T	0.10	1.01	0.9433	1.0000
IRAK4	rs1461567	12	NC	Ato	A	0.32	1.05	0.7868	1.0000	A	0.27	0.92	0.6095	1.0000	A	0.24	0.95	0.6586	1.0000	A	0.28	0.95	0.5583	1.0000	A	0.28	0.96	0.4685	1.0000
IRAK4	rs4251513	12	NC	Ato	G	0.46	0.92	0.6494	1.0000	G	0.49	1.11	0.4633	1.0000	C	0.44	1.03	0.8220	1.0000	G	0.50	1.02	0.8059	1.0000	C	0.50	0.99	0.8411	1.0000
IRAK4	rs4251565	12	NC	Ato	C	0.07	1.12	0.7388	1.0000	C	0.06	0.76	0.3650	1.0000	C	0.03	1.00	1.0000	1.0000	C	0.07	1.10	0.5622	1.0000	C	0.06	1.02	0.8389	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>IRAK4</i>	rs6582484	12	NC	Ato	G	0.17	1.46	0.1165	1.0000	G	0.17	0.88	0.4984	1.0000	G	0.11	1.31	0.0921	1.0000	G	0.15	1.20	0.1113	1.0000	G	0.16	1.19	0.0298	0.4473
<i>LBP</i>	rs1780616	20	NC	Ato	A	0.36	0.68	0.0285	0.5975	A	0.39	1.09	0.5763	1.0000	A	0.36	0.98	0.8632	1.0000	A	0.37	1.00	0.9563	1.0000	A	0.37	0.97	0.5602	1.0000
<i>LBP</i>	rs5741812	20	NC	Ato	T	0.16	2.26	0.0020	0.0423	T	0.12	1.00	1.0000	1.0000	T	0.14	0.69	0.3345	1.0000	T	0.12	0.94	0.6096	1.0000	T	0.13	1.05	0.5944	1.0000
<i>LBP</i>	rs2232571	20	NC	Ato	C	0.20	1.25	0.3168	1.0000	C	0.17	1.27	0.2981	1.0000						C	0.17	0.97	0.8026	1.0000	C	0.18	1.05	0.5491	1.0000
<i>LBP</i>	rs2232580	20	CNS	Ato	T	0.08	4.00	0.0007	0.0141	T	0.06	1.05	0.8728	1.0000	T	0.09	0.92	0.6798	1.0000						T	0.08	1.20	0.2394	1.0000
<i>LBP</i>	rs1609800	20	NC	Ato	T	0.40	1.03	0.8608	1.0000	T	0.41	1.04	0.8084	1.0000	T	0.45	0.95	0.6125	1.0000	T	0.44	1.15	0.1007	1.0000	T	0.43	1.06	0.3266	1.0000
<i>LBP</i>	rs6014804	20	NC	Ato	G	0.14	1.90	0.0208	0.4372	G	0.12	1.19	0.4364	1.0000	G	0.13	0.97	0.8316	1.0000	G	0.14	0.93	0.5467	1.0000	G	0.14	1.03	0.6656	1.0000
<i>LBP</i>	rs11536949	20	NC	Ato	T	0.07	1.05	0.8728	1.0000	T	0.09	1.55	0.1220	1.0000	T	0.07	0.60	0.0237	0.4971	T	0.09	1.05	0.7569	1.0000	T	0.08	0.97	0.8039	1.0000
<i>LBP</i>	rs12624843	20	NC	Ato	A	0.41	0.94	0.7335	1.0000	A	0.43	0.74	0.0512	1.0000	A	0.40	0.89	0.2988	1.0000	A	0.40	0.99	0.9429	1.0000	A	0.41	0.92	0.1527	1.0000
<i>LBP</i>	rs1780627	20	NC	Ato	A	0.42	0.90	0.5468	1.0000	A	0.42	1.16	0.3673	1.0000	A	0.41	1.00	1.0000	1.0000	A	0.45	1.10	0.2323	1.0000	A	0.43	1.06	0.3420	1.0000
<i>LBP</i>	rs11536988	20	NC	Ato	T	0.03	1.14	0.7962	1.0000	T	0.04	1.14	0.7149	1.0000	T	0.03	1.21	0.4909	1.0000						T	0.03	1.18	0.4183	1.0000
<i>LBP</i>	rs2232618	20	CNS	Ato	G	0.09	0.65	0.1927	1.0000	G	0.08	1.50	0.1782	1.0000	G	0.07	1.08	0.6890	1.0000	G	0.09	0.77	0.0708	1.0000	G	0.09	0.90	0.3053	1.0000
<i>LBP</i>	rs745144	20	NC	Ato	T	0.37	0.75	0.1299	1.0000	T	0.38	1.21	0.2495	1.0000	T	0.39	0.96	0.7021	1.0000	T	0.41	1.04	0.6442	1.0000	T	0.39	1.00	0.9512	1.0000
<i>MYD88</i>	rs156265	3	CNS	Ato	C	0.16	0.85	0.4853	1.0000	C	0.14	1.04	0.8330	1.0000	C	0.16	1.22	0.1507	1.0000	C	0.15	0.96	0.7509	1.0000	C	0.15	1.03	0.6581	1.0000
<i>MYD88</i>	rs2239621	3	NC	Ato	T	0.26	0.98	0.9174	1.0000	T	0.28	1.00	1.0000	1.0000	T	0.25	0.97	0.7920	1.0000	T	0.26	1.12	0.2423	1.0000	T	0.26	1.04	0.5088	1.0000
<i>MYD88</i>	rs7625290	3	NC	Ato	C	0.04	1.25	0.6370	1.0000	C	0.05	1.78	0.1587	1.0000	C	0.04	0.78	0.3943	1.0000	C	0.05	0.98	0.8978	1.0000	C	0.05	1.02	0.9103	1.0000
<i>MYD88</i>	rs6853	3	NC	Ato	G	0.11	1.15	0.6472	1.0000	G	0.11	1.28	0.3532	1.0000	G	0.11	0.97	0.8685	1.0000	G	0.12	1.08	0.5591	1.0000	G	0.11	1.07	0.4388	1.0000
<i>MYD88</i>	rs6796045	3	NC	Ato	A	0.07	1.08	0.8474	1.0000	A	0.06	1.00	1.0000	1.0000	A	0.07	1.02	0.9207	1.0000	A	0.07	1.10	0.5527	1.0000	A	0.07	1.06	0.5970	1.0000
<i>NFKB1</i>	rs747559	4	NC	Ato	G	0.38	1.03	0.8527	1.0000	G	0.41	1.13	0.4608	1.0000	G	0.39	0.91	0.4122	1.0000	G	0.40	0.88	0.1410	1.0000	G	0.40	0.94	0.2516	1.0000
<i>NFKB1</i>	rs3774932	4	NC	Ato	G	0.52	0.89	0.5244	1.0000	A	0.45	1.08	0.6352	1.0000	A	0.45	1.08	0.4604	1.0000	A	0.45	1.14	0.1210	1.0000	A	0.46	1.11	0.0653	1.0000
<i>NFKB1</i>	rs3774934	4	NC	Ato	A	0.14	0.76	0.2708	1.0000	A	0.12	1.03	0.8981	1.0000	A	0.09	1.43	0.0296	0.8024	A	0.10	1.08	0.5707	1.0000	A	0.11	1.12	0.2210	1.0000
<i>NFKB1</i>	rs1598857	4	NC	Ato	T	0.37	1.00	1.0000	1.0000	T	0.40	1.11	0.5135	1.0000	T	0.39	0.89	0.2959	1.0000	T	0.39	0.89	0.1469	1.0000	T	0.39	0.92	0.1811	1.0000
<i>NFKB1</i>	rs1598856	4	NC	Ato	C	0.52	0.89	0.5244	1.0000	T	0.45	1.06	0.6953	1.0000	T	0.45	1.09	0.4296	1.0000	T	0.45	1.12	0.1645	1.0000	T	0.46	1.10	0.0837	1.0000
<i>NFKB1</i>	rs230533	4	NC	Ato	A	0.34	1.17	0.4281	1.0000	A	0.35	1.08	0.6692	1.0000	A	0.32	0.92	0.4579	1.0000	A	0.34	0.85	0.0660	1.0000	A	0.34	0.92	0.1960	1.0000
<i>NFKB1</i>	rs4647992	4	NC	Ato	T	0.04	0.36	0.0653	1.0000	T	0.04	1.50	0.2717	1.0000	T	0.07	0.93	0.7419	1.0000	T	0.04	1.07	0.7529	1.0000	T	0.05	0.99	0.9534	1.0000
<i>NFKB1</i>	rs4648004	4	NC	Ato	C	0.33	1.37	0.1124	1.0000	C	0.33	1.06	0.6917	1.0000	C	0.35	0.98	0.8738	1.0000	C	0.34	1.12	0.2110	1.0000	C	0.33	1.09	0.1678	1.0000
<i>NFKB1</i>	rs230510	4	NC	Ato	T	0.54	0.87	0.4574	1.0000	A	0.43	1.06	0.6953	1.0000	A	0.44	1.14	0.2268	1.0000	A	0.44	1.13	0.1308	1.0000	A	0.44	1.13	0.0383	1.0000
<i>NFKB1</i>	rs4648022	4	NC	Ato	A	0.07	0.76	0.4645	1.0000	A	0.07	0.59	0.0916	1.0000	A	0.08	1.00	1.0000	1.0000	A	0.09	1.05	0.7107	1.0000	A	0.08	0.95	0.6201	1.0000
<i>NFKB1</i>	rs230542	4	NC	Ato	T	0.35	1.10	0.6188	1.0000	T	0.37	0.96	0.8005	1.0000	T	0.33	0.89	0.2944	1.0000	T	0.35	0.86	0.0902	1.0000	T	0.35	0.90	0.0905	1.0000

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Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
NFKB1	rs1598859	4	NC	Ato	C	0.36	1.16	0.4369	1.0000	C	0.38	0.99	0.9338	1.0000	C	0.34	0.86	0.1872	1.0000	C	0.37	0.88	0.1224	1.0000	C	0.37	0.91	0.1133	1.0000
NFKB1	rs11722146	4	NC	Ato	A	0.31	1.00	1.0000	1.0000	A	0.34	0.90	0.5468	1.0000	A	0.29	0.92	0.4608	1.0000	A	0.31	0.91	0.2653	1.0000	A	0.31	0.92	0.1638	1.0000
NFKB1	rs4648090	4	NC	Ato	A	0.12	1.18	0.5635	1.0000	A	0.11	0.72	0.1780	1.0000	A	0.13	0.96	0.7783	1.0000	A	0.13	0.95	0.6609	1.0000	A	0.13	0.94	0.4526	1.0000
NFKB1	rs4648110	4	NC	Ato	T	0.19	0.91	0.7139	1.0000	T	0.18	0.79	0.2388	1.0000	T	0.20	0.99	0.9024	1.0000	T	0.20	0.93	0.5051	1.0000	T	0.19	0.93	0.2941	1.0000
NFKB1	rs230547	4	NC	Ato	A	0.12	0.80	0.4137	1.0000	A	0.10	1.07	0.7928	1.0000	A	0.10	1.44	0.0348	0.9431	A	0.09	1.01	0.9626	1.0000	A	0.10	1.10	0.3097	1.0000
NFKB1	rs997476	4	NC	Ato	A	0.06	0.79	0.5480	1.0000	A	0.06	0.96	0.8840	1.0000	A	0.07	0.98	0.9230	1.0000	A	0.06	0.86	0.3595	1.0000	A	0.06	0.91	0.3752	1.0000
NFKB2	rs7076748	10	NC	Ato	G	0.27	1.02	0.9174	1.0000	G	0.27	1.00	1.0000	1.0000	G	0.27	1.07	0.5729	1.0000	G	0.28	1.03	0.7077	1.0000	G	0.27	1.04	0.5578	1.0000
NFKB2	rs7897947	10	NC	Ato	G	0.22	1.00	1.0000	1.0000	G	0.22	1.12	0.5562	1.0000	G	0.22	1.23	0.1352	0.8112	G	0.21	1.00	0.9684	1.0000	G	0.22	1.07	0.3374	1.0000
NFKB2	rs1056890	10	NC	Ato	T	0.33	0.76	0.1650	0.9900	T	0.33	1.02	0.9298	1.0000	T	0.29	1.17	0.1861	1.0000	T	0.33	1.05	0.5652	1.0000	T	0.32	1.04	0.4904	1.0000
NFKBIA	rs7152826	14	NC	Ato	C	0.42	0.93	0.6715	1.0000	C	0.42	1.11	0.5135	1.0000	C	0.39	0.91	0.3809	1.0000	C	0.39	1.07	0.4008	1.0000	C	0.40	1.01	0.8402	1.0000
NFKBIA	rs3138056	14	NC	Ato	A	0.33	0.78	0.1685	1.0000	A	0.34	0.66	0.0114	0.2043	A	0.30	1.18	0.1749	1.0000	A	0.31	0.95	0.5562	1.0000	A	0.32	0.93	0.2487	1.0000
NFKBIA	rs3138055	14	NC	Ato	C	0.28	0.86	0.4454	1.0000	C	0.31	0.96	0.8059	1.0000	C	0.26	0.92	0.4853	1.0000	C	0.28	1.12	0.2336	1.0000	C	0.28	1.01	0.9256	1.0000
NFKBIA	rs696	14	NC	Ato	T	0.40	1.34	0.0963	1.0000	T	0.37	1.20	0.2454	1.0000	T	0.45	1.07	0.5246	1.0000	T	0.37	0.95	0.5627	1.0000	T	0.39	1.05	0.3504	1.0000
NFKBIA	rs2233419	14	NC	Ato	A	0.16	0.85	0.4911	1.0000	A	0.17	0.70	0.0835	1.0000	A	0.14	0.94	0.6970	1.0000	A	0.19	1.06	0.5563	1.0000	A	0.17	0.95	0.5287	1.0000
NFKBIA	rs10782383	14	CS	Ato	T	0.19	0.82	0.3451	1.0000	T	0.19	0.69	0.0630	1.0000	T	0.19	1.10	0.5169	1.0000	T	0.22	0.98	0.8360	1.0000	T	0.20	0.94	0.4129	1.0000
NFKBIA	rs1957106	14	CS	Ato	A	0.30	1.43	0.0604	1.0000						A	0.32	1.02	0.8252	1.0000	A	0.30	0.99	0.9502	1.0000	A	0.31	1.05	0.4608	1.0000
NFKBIA	rs2233407	14	NC	Ato	T	0.06	1.18	0.6217	1.0000	T	0.06	1.00	1.0000	1.0000	T	0.02	1.29	0.6166	1.0000	T	0.06	0.89	0.5125	1.0000	T	0.05	0.98	0.8655	1.0000
NFKBIA	rs3138052	14	NC	Ato	G	0.26	0.79	0.2585	1.0000	G	0.25	0.72	0.0618	1.0000											G	0.26	0.75	0.0314	0.5659
NFKBIA	rs3138045	14	NC	Ato	G	0.20	0.75	0.2092	1.0000	G	0.20	0.78	0.2040	1.0000	G	0.16	1.22	0.1472	1.0000	G	0.20	0.98	0.8624	1.0000	G	0.19	0.98	0.8186	1.0000
NFKBIB	rs7251489	19	NC	Ato	T	0.10	1.63	0.0881	1.0000	T	0.08	0.81	0.4222	1.0000	T	0.07	0.91	0.6585	1.0000	T	0.07	0.99	0.9566	1.0000	T	0.08	1.01	0.9415	1.0000
NFKBIB	rs10410544	19	NC	Ato	A	0.37	0.82	0.2917	1.0000	A	0.40	0.99	0.9338	1.0000	A	0.43	1.03	0.7913	1.0000	A	0.48	0.91	0.2492	1.0000	A	0.43	0.94	0.3122	1.0000
NFKBIB	rs4802998	19	NC	Ato	G	0.32	0.84	0.3444	1.0000	G	0.35	1.15	0.4045	1.0000	G	0.35	0.99	0.9081	1.0000	G	0.41	0.89	0.1692	1.0000	G	0.37	0.94	0.2979	1.0000
NFKBIB	rs2053071	19	NC	Ato	G	0.41	0.86	0.3944	1.0000	G	0.41	0.90	0.5244	1.0000	G	0.40	0.93	0.5428	1.0000	G	0.35	1.11	0.2436	1.0000	G	0.38	1.00	0.9580	1.0000
NFKBIB	rs4803006	19	NC	Ato	T	0.32	0.72	0.0854	1.0000	T	0.35	1.15	0.4012	1.0000	T	0.36	0.87	0.2167	1.0000	T	0.40	0.89	0.1810	1.0000	T	0.36	0.90	0.0665	1.0000
NFKBIB	rs2241704	19	NC	Ato	T	0.21	0.77	0.2152	1.0000	T	0.21	0.86	0.4169	1.0000	T	0.25	0.94	0.6478	1.0000	T	0.21	1.13	0.2204	1.0000	T	0.21	0.99	0.8938	1.0000
NFKBIB	rs3136641	19	NC	Ato	A	0.26	1.87	0.0014	0.0260	A	0.24	1.05	0.7868	1.0000	A	0.24	1.16	0.2193	1.0000	A	0.24	1.03	0.7748	1.0000	A	0.25	1.14	0.0423	0.7609
NFKBIB	rs3136646	19	NC	Ato	T	0.22	0.75	0.1523	1.0000	T	0.23	0.98	0.9270	1.0000	T	0.24	0.97	0.7928	1.0000	T	0.22	1.12	0.2353	1.0000	T	0.23	1.01	0.8624	1.0000
NFKBIB	rs9403	19	NC	Ato	G	0.42	1.40	0.0758	1.0000	G	0.40	0.95	0.7440	1.0000	G	0.36	1.04	0.7004	1.0000	G	0.33	0.99	0.9000	1.0000	G	0.37	1.03	0.5695	1.0000
NFKBIE	rs13296	6	CS	Ato	T	0.33	1.50	0.0353	0.3957	T	0.30	1.06	0.7406	1.0000	T	0.27	0.89	0.3315	1.0000	T	0.31	0.95	0.6004	1.0000	T	0.31	1.00	0.9356	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>NFKBIE</i>	rs1875324	6	CS	Ato											T	0.23	0.87	0.2991	1.0000						T	0.23	0.87	0.2991	1.0000
<i>NFKBIE</i>	rs520639	6	NC	Ato	A	0.11	0.92	0.7728	1.0000	A	0.12	0.90	0.6910	1.0000	A	0.13	0.97	0.8206	1.0000	A	0.12	1.45	0.0036	0.0408	A	0.12	1.15	0.0988	1.0000
<i>NFKBIE</i>	rs2282151	6	NC	Ato	G	0.23	0.78	0.2376	1.0000	G	0.24	1.03	0.8527	1.0000	G	0.25	0.95	0.7043	1.0000	G	0.23	0.83	0.0552	0.6184	G	0.23	0.88	0.0666	0.7473
<i>NFKBIE</i>	rs730775	6	NC	Ato	G	0.41	0.84	0.3702	1.0000	G	0.44	1.19	0.2930	1.0000	G	0.43	0.89	0.2873	1.0000	G	0.42	1.03	0.7471	1.0000	G	0.42	0.99	0.8112	1.0000
<i>NFKBIE</i>	rs483536	6	NC	Ato	A	0.36	1.07	0.7557	1.0000	A	0.35	0.91	0.5346	1.0000	A	0.32	1.01	0.9136	1.0000	A	0.36	0.93	0.3867	1.0000	A	0.35	0.96	0.4924	1.0000
<i>TICAM1</i>	rs1046673	19	NC	Ato	A	0.14	0.76	0.3010	1.0000	A	0.13	0.84	0.4730	1.0000	A	0.17	1.03	0.7920	1.0000	A	0.15	1.11	0.3621	1.0000	A	0.15	1.02	0.8121	1.0000
<i>TICAM1</i>	rs2292151	19	CS	Ato	A	0.26	1.06	0.7630	1.0000	A	0.26	0.88	0.4418	1.0000	A	0.24	1.07	0.5831	1.0000	A	0.24	1.04	0.6664	1.0000	A	0.25	1.03	0.6953	1.0000
<i>TICAM1</i>	rs4807651	19	NC	Ato	G	0.38	0.92	0.6547	1.0000	G	0.38	0.90	0.4807	1.0000	G	0.37	0.85	0.1416	1.0000	G	0.38	1.00	0.9684	1.0000	G	0.38	0.94	0.2519	1.0000
<i>TICAM1</i>	rs4807000	19	NC	Ato	A	0.38	1.16	0.4169	1.0000	A	0.38	0.95	0.7533	1.0000	A	0.40	1.17	0.1372	1.0000	A	0.40	0.91	0.2429	1.0000	A	0.39	1.01	0.8835	1.0000
<i>TIRAP</i>	rs594318	11	NC	Ato						C	0.25	1.14	0.5687	1.0000											C	0.25	1.14	0.5687	1.0000
<i>TIRAP</i>	rs591163	11	NC	Ato	T	0.21	0.77	0.2569	1.0000	T	0.20	1.08	0.6976	1.0000	T	0.28	0.93	0.5366	1.0000	T	0.23	0.87	0.1423	1.0000	T	0.22	0.90	0.1198	1.0000
<i>TIRAP</i>	rs672908	11	NC	Ato	G	0.21	0.79	0.3045	1.0000	G	0.20	1.06	0.7675	1.0000	G	0.28	0.94	0.6109	1.0000	G	0.23	0.87	0.1502	1.0000	G	0.22	0.91	0.1396	1.0000
<i>TIRAP</i>	rs671492	11	NC	Ato	T	0.22	1.34	0.1674	1.0000	T	0.23	1.28	0.2040	1.0000	T	0.21	0.92	0.5373	1.0000	T	0.24	0.96	0.6721	1.0000	T	0.23	1.02	0.7735	1.0000
<i>TIRAP</i>	rs10893493	11	NC	Ato	G	0.12	1.04	0.8946	1.0000	G	0.11	0.79	0.3616	1.0000	G	0.10	0.98	0.9257	1.0000	G	0.12	0.99	0.9040	1.0000	G	0.12	0.96	0.6864	1.0000
<i>TIRAP</i>	rs8177352	11	NC	Ato	C	0.20	0.95	0.8273	1.0000	C	0.20	0.74	0.1122	1.0000	C	0.24	1.19	0.1701	1.0000	C	0.20	1.02	0.8214	1.0000	C	0.21	1.02	0.7982	1.0000
<i>TIRAP</i>	rs595022	11	NC	Ato	A	0.28	0.98	0.9174	1.0000	A	0.29	1.01	0.9304	1.0000	A	0.22	0.97	0.8422	1.0000	A	0.27	1.16	0.1145	1.0000	A	0.27	1.07	0.3051	1.0000
<i>TIRAP</i>	rs646005	11	NC	Ato	G	0.35	0.84	0.3444	1.0000	G	0.35	0.95	0.7406	1.0000	A	0.52	0.99	0.9153	1.0000	G	0.40	0.90	0.2178	1.0000	G	0.39	0.93	0.2281	1.0000
<i>TIRAP</i>	rs1392060	11	NC	Ato	C	0.12	1.07	0.7892	1.0000	C	0.11	1.12	0.6373	1.0000	C	0.10	0.98	0.9257	1.0000	C	0.13	1.00	0.9744	1.0000	C	0.12	1.02	0.8418	1.0000
<i>TIRAP</i>	rs1893352	11	NC	Ato	C	0.14	0.94	0.7962	1.0000	C	0.15	0.73	0.1734	1.0000	C	0.20	1.15	0.3012	1.0000	C	0.17	1.02	0.8534	1.0000	C	0.16	1.01	0.8672	1.0000
<i>TIRAP</i>	rs8177371	11	NC	Ato	T	0.12	1.22	0.4382	1.0000	T	0.11	1.11	0.6419	1.0000	T	0.10	0.98	0.9287	1.0000						T	0.11	1.07	0.5759	1.0000
<i>TIRAP</i>	rs12272651	11	NC	Ato	G	0.07	1.13	0.7315	1.0000	G	0.07	0.88	0.6616	1.0000	G	0.05	1.27	0.2975	1.0000	G	0.03	0.98	0.9321	1.0000	G	0.05	1.07	0.6275	1.0000
<i>TLR1</i>	rs4543123	4	NC	Ato	G	0.23	0.87	0.5223	1.0000	G	0.23	0.75	0.1014	0.9126	G	0.20	0.87	0.2866	1.0000	G	0.21	0.81	0.0351	0.3161	G	0.22	0.82	0.0043	0.0387
<i>TLR1</i>	rs4833095	4	CNS	Ato	G	0.28	1.05	0.8312	1.0000	G	0.31	0.93	0.6800	1.0000	G	0.21	0.89	0.3878	1.0000	G	0.22	0.81	0.0392	0.3526	G	0.25	0.88	0.0506	0.4557
<i>TLR1</i>	rs5743611	4	CNS	Ato	C	0.09	0.95	0.8728	1.0000	C	0.10	0.88	0.6113	1.0000	C	0.08	0.88	0.5021	1.0000	C	0.09	1.13	0.4075	1.0000	C	0.09	1.00	0.9749	1.0000
<i>TLR1</i>	rs5743594	4	NC	Ato	T	0.17	1.40	0.1563	1.0000	T	0.16	1.00	1.0000	1.0000	T	0.22	1.09	0.5447	1.0000	T	0.21	1.05	0.6507	1.0000	T	0.19	1.08	0.2829	1.0000
<i>TLR1</i>	rs5743562	4	NC	Ato	C	0.18	0.95	0.8161	1.0000	C	0.18	0.82	0.2729	1.0000	C	0.15	0.85	0.2745	1.0000	C	0.17	0.90	0.3164	1.0000	C	0.17	0.88	0.0774	0.6962
<i>TLR1</i>	rs5743551	4	NC	Ato	C	0.28	1.17	0.4579	1.0000	C	0.31	0.89	0.5049	1.0000	C	0.21	0.86	0.2627	1.0000	C	0.22	0.81	0.0304	0.2733	C	0.25	0.87	0.0365	0.3281
<i>TLR1</i>	rs4833103	4	NC	Ato	T	0.45	0.74	0.1195	1.0000	T	0.46	1.05	0.7456	1.0000	G	0.47	0.99	0.9149	1.0000	G	0.46	0.89	0.1636	1.0000	G	0.50	0.96	0.4897	1.0000
<i>TLR10</i>	rs10008492	4	NC	Ato	T	0.46	1.00	1.0000	1.0000	T	0.47	0.83	0.2558	1.0000	T	0.33	0.90	0.3363	1.0000	T	0.34	0.95	0.5681	1.0000	T	0.40	0.92	0.1825	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
TLR10	rs10776483	4	CS	Ato	C	0.21	0.82	0.3766	1.0000	C	0.22	0.72	0.0587	0.4667	C	0.17	0.88	0.3658	1.0000	C	0.19	0.90	0.3027	1.0000	C	0.20	0.85	0.0259	0.1995
TLR10	rs11096957	4	CNS	Ato	G	0.36	0.87	0.4495	1.0000	G	0.38	0.74	0.0470	0.3738	G	0.29	0.84	0.1407	1.0000	G	0.32	0.92	0.3151	1.0000	G	0.34	0.86	0.0131	0.1010
TLR10	rs10856838	4	CS	Ato	T	0.20	0.82	0.3990	1.0000	T	0.20	0.75	0.1265	1.0000	T	0.14	0.86	0.3361	1.0000	T	0.15	0.93	0.5300	1.0000	T	0.17	0.86	0.0683	0.5249
TLR10	rs4130727	4	NC	Ato	C	0.15	0.96	0.8927	1.0000	C	0.15	0.85	0.4474	1.0000	C	0.12	0.82	0.2515	1.0000	C	0.12	0.97	0.7959	1.0000	C	0.13	0.91	0.2700	1.0000
TLR10	rs10004195	4	NC	Ato	T	0.25	1.00	1.0000	1.0000	T	0.24	0.88	0.4418	1.0000	T	0.20	0.86	0.2564	1.0000	T	0.21	0.82	0.0413	0.3058	T	0.23	0.85	0.0213	0.1635
TLR2	rs13150331	4	NC	Ato	G	0.44	0.84	0.3529	1.0000	G	0.45	1.06	0.6988	1.0000	G	0.43	1.05	0.6347	1.0000	G	0.40	0.96	0.6391	1.0000	G	0.43	0.99	0.8361	1.0000
TLR2	rs1898830	4	NC	Ato	G	0.37	0.90	0.5774	1.0000	G	0.38	1.01	0.9407	1.0000	G	0.33	1.04	0.7062	1.0000	G	0.32	0.97	0.7366	1.0000	G	0.35	0.99	0.8681	1.0000
TLR2	rs4696483	4	NC	Ato	T	0.12	0.91	0.7576	1.0000	T	0.13	1.21	0.4123	1.0000	T	0.11	1.15	0.4241	1.0000	T	0.13	1.01	0.9181	1.0000	T	0.12	1.06	0.4867	1.0000
TLR2	rs3804100	4	CS	Ato	G	0.08	1.18	0.6217	1.0000	G	0.08	0.88	0.6170	1.0000	G	0.05	1.43	0.1304	1.0000	G	0.07	1.13	0.4430	1.0000	G	0.07	1.14	0.2363	1.0000
TLR2	rs5743704	4	CNS	Ato	T	0.03	0.83	0.7629	1.0000	T	0.04	0.85	0.6829	1.0000	T	0.04	0.85	0.4846	1.0000	T	0.04	1.00	0.9819	1.0000	T	0.04	0.92	0.5394	1.0000
TLR2	rs7656411	4	NC	Ato	C	0.26	1.09	0.6766	1.0000	C	0.27	1.03	0.8685	1.0000	C	0.28	0.91	0.3810	1.0000	C	0.27	1.01	0.9315	1.0000	C	0.27	0.98	0.8007	1.0000
TLR2	rs1339	4	CNS	Ato	G	0.21	0.93	0.7324	1.0000	G	0.19	0.98	0.9263	1.0000	G	0.22	1.08	0.5603	1.0000	G	0.22	0.96	0.6759	1.0000	G	0.21	0.99	0.9043	1.0000
TLR2	rs2289318	4	NC	Ato	C	0.21	0.88	0.5636	1.0000	C	0.21	1.03	0.8563	1.0000	C	0.18	0.94	0.6599	1.0000	C	0.20	1.04	0.6922	1.0000	C	0.20	1.00	0.9627	1.0000
TLR3	rs956239	4	NC	Ato	A	0.16	1.10	0.7098	1.0000	A	0.18	0.89	0.5523	1.0000	A	0.19	1.26	0.0794	1.0000	A	0.16	0.80	0.0419	0.7540	A	0.17	0.97	0.6353	1.0000
TLR3	rs6822014	4	NC	Ato	C	0.21	1.34	0.1843	1.0000	C	0.19	0.80	0.2684	1.0000	C	0.19	0.95	0.6647	1.0000	C	0.20	1.15	0.1820	1.0000	C	0.20	1.05	0.4922	1.0000
TLR3	rs11721827	4	NC	Ato	G	0.15	0.75	0.2842	1.0000	G	0.14	0.96	0.8312	1.0000	G	0.13	0.99	0.9376	1.0000	G	0.16	1.06	0.6225	1.0000	G	0.15	0.99	0.9266	1.0000
TLR3	rs3775296	4	NC	Ato	T	0.21	1.31	0.2266	1.0000	T	0.19	0.89	0.5523	1.0000	T	0.19	0.96	0.7560	1.0000	T	0.19	1.14	0.2211	1.0000	T	0.20	1.06	0.4109	1.0000
TLR3	rs3775291	4	CNS	Ato	T	0.29	0.92	0.6521	1.0000	T	0.32	1.08	0.6265	1.0000	T	0.29	1.07	0.5662	1.0000	T	0.29	0.83	0.0358	0.6442	T	0.30	0.94	0.2773	1.0000
TLR3	rs10025405	4	NC	Ato	G	0.46	1.14	0.4759	1.0000	G	0.44	0.91	0.5714	1.0000	G	0.41	1.01	0.9569	1.0000	G	0.44	0.97	0.7070	1.0000	G	0.44	0.99	0.8383	1.0000
TLR3	rs4862633	4	NC	Ato	A	0.22	0.93	0.7419	1.0000	A	0.21	1.11	0.6152	1.0000	A	0.26	0.96	0.7638	1.0000	A	0.24	1.22	0.0399	0.7191	A	0.23	1.09	0.1829	1.0000
TLR3	rs4608848	4	NC	Ato	C	0.36	1.00	1.0000	1.0000	C	0.35	1.05	0.7488	1.0000	C	0.36	0.96	0.7349	1.0000	C	0.39	1.18	0.0454	0.8170	C	0.37	1.08	0.1814	1.0000
TLR3	rs1519309	4	NC	Ato	G	0.35	0.82	0.2769	1.0000	G	0.34	1.01	0.9343	1.0000	G	0.37	0.96	0.7004	1.0000	G	0.35	1.23	0.0148	0.2669	G	0.35	1.07	0.2521	1.0000
TLR4	rs10759930	9	NC	Ato	T	0.42	0.91	0.6255	1.0000	T	0.41	1.22	0.1906	1.0000	T	0.37	1.06	0.6026	1.0000	T	0.38	0.94	0.4312	1.0000	T	0.40	1.00	0.9461	1.0000
TLR4	rs2737191	9	NC	Ato	G	0.24	1.28	0.2689	1.0000	G	0.26	0.81	0.2261	1.0000	G	0.26	0.91	0.4311	1.0000	G	0.28	0.91	0.3305	1.0000	G	0.26	0.92	0.2184	1.0000
TLR4	rs2770150	9	NC	Ato	G	0.24	1.33	0.1897	1.0000	G	0.26	0.81	0.2261	1.0000	G	0.26	1.35	0.3054	1.0000	G	0.28	0.91	0.3219	1.0000	G	0.26	0.96	0.5422	1.0000
TLR4	rs1927914	9	NC	Ato	C	0.34	0.88	0.5063	1.0000	C	0.33	0.98	0.8751	1.0000	C	0.37	1.02	0.8653	1.0000	C	0.34	1.16	0.0826	1.0000	C	0.34	1.06	0.3082	1.0000
TLR4	rs1927911	9	NC	Ato	A	0.26	0.85	0.4579	1.0000	A	0.27	1.01	0.9351	1.0000	A	0.27	0.99	0.9503	1.0000	A	0.26	1.24	0.0191	0.5178	A	0.26	1.10	0.1615	1.0000
TLR4	rs11536878	9	NC	Ato	T	0.11	0.66	0.1474	1.0000	T	0.12	1.26	0.3107	1.0000	T	0.11	0.93	0.6596	1.0000	T	0.12	1.12	0.3632	1.0000	T	0.12	1.03	0.7126	1.0000
TLR4	rs1927907	9	NC	Ato	T	0.15	1.07	0.7892	1.0000	T	0.13	0.78	0.2916	1.0000	T	0.15	0.97	0.8694	1.0000	T	0.14	1.25	0.0555	1.0000	T	0.14	1.09	0.3231	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
TLR4	rs11536889	9	NC	Ato	C	0.17	0.88	0.6170	1.0000	C	0.16	1.31	0.1692	1.0000	C	0.17	1.01	0.9432	1.0000	C	0.14	0.86	0.2052	1.0000	C	0.16	0.97	0.6731	1.0000
TLR4	rs7873784	9	NC	Ato	C	0.15	0.61	0.0647	1.0000	C	0.15	1.06	0.7606	1.0000	C	0.16	0.94	0.7021	1.0000	C	0.16	1.25	0.0438	1.0000	C	0.15	1.06	0.4313	1.0000
TLR4	rs11536897	9	NC	Ato	T	0.03	1.29	0.6166	1.0000	T	0.05	0.80	0.5045	1.0000	T	0.07	0.96	0.8365	1.0000	T	0.05	1.10	0.6068	1.0000	T	0.05	1.01	0.9116	1.0000
TLR4	rs1927906	9	NC	Ato	C	0.10	1.00	1.0000	1.0000	C	0.07	1.20	0.5462	1.0000	C	0.13	1.06	0.7334	1.0000	C	0.10	1.18	0.2362	1.0000	C	0.10	1.12	0.2291	1.0000
TLR4	rs1554973	9	NC	Ato	C	0.25	0.79	0.2535	1.0000	C	0.22	1.14	0.4759	1.0000	C	0.29	0.98	0.8538	1.0000	C	0.26	1.26	0.0136	0.3690	C	0.25	1.11	0.1276	1.0000
TLR4	rs913930	9	NC	Ato	C	0.29	1.26	0.2585	1.0000	C	0.34	0.76	0.0891	1.0000	C	0.34	0.97	0.7768	1.0000	C	0.36	0.85	0.0554	1.0000	C	0.33	0.90	0.0723	1.0000
TLR4	rs1927905	9	NC	Ato	G	0.04	0.89	0.8083	1.0000	G	0.05	0.85	0.6217	1.0000	G	0.08	0.96	0.8382	1.0000	G	0.06	1.11	0.5644	1.0000	G	0.05	1.00	0.9712	1.0000
TLR4	rs7045953	9	NC	Ato	C	0.15	0.59	0.0496	1.0000	C	0.15	1.11	0.6116	1.0000	C	0.16	0.91	0.5462	1.0000	C	0.16	1.24	0.0544	1.0000	C	0.16	1.05	0.5188	1.0000
TLR5	rs2241096	1	NC	Ato	A	0.12	0.78	0.3859	1.0000	A	0.11	1.83	0.0146	0.1310	A	0.09	1.28	0.2072	1.0000	A	0.10	1.33	0.0377	0.3398	A	0.10	1.30	0.0060	0.0540
TLR5	rs2096141	1	NC	Ato	T	0.45	0.76	0.1368	1.0000	T	0.47	0.97	0.8175	1.0000	T	0.48	0.96	0.7219	1.0000	T	0.47	0.96	0.6568	1.0000	T	0.47	0.94	0.3006	1.0000
TLR5	rs5744105	1	NC	Ato	G	0.46	0.81	0.2368	1.0000	G	0.48	1.04	0.8164	1.0000	C	0.50	1.00	0.9601	1.0000	G	0.49	0.98	0.7969	1.0000	G	0.48	0.97	0.6295	1.0000
TLR5	rs5744097	1	NC	Ato	A	0.03	1.67	0.2182	1.0000	A	0.03	0.91	0.8272	1.0000	A	0.03	0.62	0.1667	1.0000	A	0.04	0.99	0.9639	1.0000	A	0.03	0.96	0.7916	1.0000
TLR6	rs7696175	4	NC	Ato	A	0.40	0.94	0.7150	1.0000	A	0.41	1.18	0.2769	1.0000	A	0.45	1.03	0.7511	1.0000	A	0.45	1.13	0.1476	1.0000	A	0.43	1.09	0.1451	1.0000
TLR6	rs5743810	4	CNS	Ato	T	0.35	0.83	0.3654	1.0000	T	0.35	1.08	0.6597	1.0000						T	0.44	1.14	0.1278	1.0000	T	0.40	1.08	0.2521	1.0000
TLR6	rs1039559	4	NC	Ato	C	0.44	1.00	1.0000	1.0000	C	0.47	1.21	0.2194	1.0000	T	0.50	0.78	0.3526	1.0000	C	0.49	1.07	0.3948	1.0000	C	0.47	1.10	0.1553	1.0000
TLR6	rs5743806	4	NC	Ato	G	0.35	1.02	0.9251	1.0000	G	0.32	0.99	0.9347	1.0000	G	0.34	1.22	0.0818	0.7364	G	0.31	1.05	0.5895	1.0000	G	0.33	1.08	0.1905	1.0000
TLR6	rs5743794	4	NC	Ato	A	0.18	1.03	0.9055	1.0000	A	0.19	0.75	0.1334	1.0000	A	0.16	0.82	0.1605	1.0000	A	0.17	0.91	0.3910	1.0000	A	0.18	0.87	0.0603	0.5427
TLR6	rs6531670	4	NC	Ato	G	0.35	1.04	0.8501	1.0000	G	0.32	1.01	0.9347	1.0000	G	0.34	1.22	0.0818	0.7364	G	0.31	1.04	0.6580	1.0000	G	0.33	1.09	0.1819	1.0000
TLR9	rs352163	3	NC	Ato	G	0.49	0.85	0.3689	1.0000	G	0.46	0.93	0.6492	1.0000	G	0.44	1.28	0.0244	0.1850	G	0.48	0.91	0.2322	1.0000	G	0.47	0.99	0.9056	1.0000
TLR9	rs352140	3	CS	Ato	C	0.48	0.86	0.3839	1.0000	C	0.46	0.92	0.5880	1.0000	C	0.43	1.22	0.0689	0.5233	C	0.47	0.95	0.4921	1.0000	C	0.46	1.00	0.9829	1.0000
TLR9	rs187084	3	NC	Ato	G	0.39	0.84	0.3249	1.0000	G	0.42	0.96	0.7643	1.0000	G	0.42	0.78	0.0274	0.2083	G	0.39	1.11	0.2321	1.0000	G	0.40	0.96	0.4555	1.0000
TLR9	rs352143	3	CS	Ato	G	0.19	1.22	0.4057	1.0000	G	0.19	1.30	0.2103	1.0000	G	0.21	0.86	0.2425	1.0000	G	0.21	1.12	0.2597	1.0000	G	0.20	1.06	0.4062	1.0000
TLR9	rs11717574	3	NC	Ato	C	0.15	1.76	0.0345	0.2640	C	0.14	1.05	0.8208	1.0000	C	0.15	1.07	0.6599	1.0000	C	0.16	0.93	0.5225	1.0000	C	0.15	1.04	0.6282	1.0000
TOLLIP	rs3750919	11	NC	Ato	A	0.24	0.82	0.3169	1.0000	A	0.21	0.95	0.7718	1.0000	A	0.23	1.06	0.6349	1.0000	A	0.23	1.16	0.1211	1.0000	A	0.23	1.06	0.3711	1.0000
TOLLIP	rs5744038	11	NC	Ato	C	0.06	2.33	0.0697	1.0000	C	0.06	1.29	0.4227	1.0000	C	0.03	1.44	0.2033	1.0000	C	0.07	1.25	0.1817	1.0000	C	0.06	1.35	0.0169	0.7221
TOLLIP	rs3829223	11	NC	Ato						G	0.47	1.05	0.7851	1.0000	G	0.45	1.23	0.0488	1.0000	G	0.48	1.21	0.0215	0.8480	G	0.47	1.20	0.0033	0.1390
TOLLIP	rs3793964	11	NC	Ato	A	0.40	0.86	0.4091	1.0000	A	0.35	0.91	0.6188	1.0000	A	0.36	1.11	0.3156	1.0000	A	0.37	1.17	0.0712	1.0000	A	0.37	1.09	0.1584	1.0000
TOLLIP	rs3793966	11	NC	Ato											G	0.45	1.21	0.0634	1.0000						G	0.45	1.21	0.0634	1.0000
TOLLIP	rs3750920	11	CS	Ato	T	0.41	1.26	0.2859	1.0000	T	0.45	0.87	0.4206	1.0000	T	0.49	0.99	0.9107	1.0000						T	0.44	1.00	0.9654	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
TOLLIP	rs5743961	11	NC	Ato	T	0.04	1.25	0.6370	1.0000	T	0.06	0.56	0.1587	1.0000	T	0.05	0.60	0.0461	1.0000	T	0.05	0.74	0.1188	1.0000	T	0.05	0.71	0.0114	0.4863
TOLLIP	rs5743955	11	NC	Ato	T	0.04	0.73	0.4319	1.0000	T	0.03	1.50	0.4370	1.0000	T	0.05	0.74	0.2016	1.0000	T	0.05	0.82	0.2863	1.0000	T	0.05	0.82	0.1229	1.0000
TOLLIP	rs5743942	11	NC	Ato	C	0.47	1.23	0.2826	1.0000	C	0.51	1.04	0.8514	1.0000	C	0.50	0.87	0.1671	1.0000						C	0.49	0.95	0.5682	1.0000
TOLLIP	rs11042484	11	NC	Ato	A	0.09	0.67	0.2044	1.0000	A	0.08	1.04	0.8864	1.0000	A	0.06	1.12	0.6000	1.0000	A	0.08	1.16	0.3191	1.0000	A	0.08	1.06	0.5536	1.0000
TOLLIP	rs5743925	11	NC	Ato	C	0.01	*	0.0959	1.0000	C	0.01	1.00	1.0000	1.0000	C	0.02	0.77	0.5304	1.0000	C	0.01	0.76	0.5362	1.0000	C	0.01	0.73	0.2660	1.0000
TOLLIP	rs5743915	11	NC	Ato	A	0.43	0.94	0.7216	1.0000	A	0.41	1.04	0.8096	1.0000	A	0.41	0.68	0.1875	1.0000	A	0.42	1.11	0.2039	1.0000	A	0.42	1.05	0.4944	1.0000
TOLLIP	rs5743900	11	NC	Ato	G	0.19	0.68	0.0905	1.0000	G	0.15	0.93	0.7477	1.0000	G	0.21	1.02	0.9005	1.0000	G	0.20	1.22	0.0500	1.0000	G	0.19	1.06	0.4275	1.0000
TOLLIP	rs5743899	11	NC	Ato	C	0.20	1.30	0.2779	1.0000	C	0.21	1.02	0.9244	1.0000	C	0.15	1.12	0.4532	1.0000	C	0.19	0.96	0.6849	1.0000	C	0.19	1.03	0.6434	1.0000
TOLLIP	rs5743894	11	NC	Ato	C	0.14	1.30	0.2779	1.0000	C	0.15	1.02	0.9115	1.0000	C	0.19	1.00	1.0000	1.0000	C	0.18	1.00	0.9865	1.0000	C	0.17	1.03	0.7059	1.0000
TOLLIP	rs5743890	11	NC	Ato	C	0.11	1.65	0.0993	1.0000	C	0.15	1.00	1.0000	1.0000	C	0.16	0.93	0.6265	1.0000	C	0.16	0.81	0.0597	1.0000	C	0.15	0.91	0.2450	1.0000
TOLLIP	rs5743867	11	NC	Ato	G	0.10	0.82	0.5267	1.0000	G	0.09	0.83	0.4529	1.0000	G	0.07	1.50	0.0513	1.0000	G	0.07	0.86	0.3717	1.0000	G	0.08	0.99	0.9149	1.0000
TOLLIP	rs5743856	11	NC	Ato	G	0.03	2.25	0.1601	1.0000	G	0.03	1.22	0.6545	1.0000	G	0.02	1.34	0.3958	1.0000	G	0.03	1.73	0.0298	1.0000	G	0.03	1.57	0.0103	0.4385
TOLLIP	rs5743854	11	NC	Ato	G	0.13	1.17	0.5789	1.0000	G	0.11	0.79	0.2981	1.0000	G	0.09	1.51	0.0282	1.0000	G	0.10	1.08	0.5623	1.0000	G	0.11	1.13	0.2001	1.0000
TOLLIP	rs5743851	11	NC	Ato	C	0.08	0.86	0.6308	1.0000	C	0.08	0.88	0.6616	1.0000	C	0.13	1.13	0.4635	1.0000	C	0.08	1.10	0.5449	1.0000	C	0.09	1.05	0.5862	1.0000
TRAF6	rs331463	11	NC	Ato	T	0.15	1.07	0.7477	1.0000	T	0.15	0.83	0.3880	1.0000	T	0.15	0.79	0.1109	1.0000	T	0.17	1.08	0.4837	1.0000	T	0.16	0.96	0.5847	1.0000
TRAF6	rs3740961	11	NC	Ato	C	0.16	1.00	1.0000	1.0000	C	0.19	1.53	0.0405	0.8503	C	0.13	1.29	0.1025	1.0000	C	0.12	0.94	0.6300	1.0000	C	0.14	1.12	0.1622	1.0000
TRAF6	rs5030472	11	NC	Ato	T	0.11	1.33	0.2560	1.0000	T	0.11	0.68	0.1111	1.0000	T	0.13	0.85	0.2987	1.0000	T	0.12	1.11	0.3961	1.0000	T	0.12	0.99	0.8751	1.0000
TRAF6	rs4755453	11	NC	Ato	C	0.17	1.06	0.7606	1.0000	C	0.16	0.70	0.0945	1.0000	C	0.15	0.82	0.1746	1.0000	C	0.17	1.06	0.5665	1.0000	C	0.16	0.94	0.4191	1.0000
TRAF6	rs5030419	11	NC	Ato	C	0.11	1.30	0.3757	1.0000	C	0.11	1.29	0.2848	1.0000	C	0.13	0.98	0.8781	1.0000	C	0.11	0.92	0.5302	1.0000	C	0.11	1.01	0.8877	1.0000
TRAF6	rs5030416	11	NC	Ato	C	0.14	1.27	0.3616	1.0000	C	0.13	1.18	0.4527	1.0000	C	0.14	0.96	0.7630	1.0000	C	0.12	0.88	0.3293	1.0000	C	0.13	0.98	0.8225	1.0000
TRAF6	rs5030411	11	NC	Ato	G	0.39	1.00	1.0000	1.0000	G	0.38	0.85	0.3301	1.0000	G	0.42	0.81	0.0492	1.0000	G	0.38	0.99	0.8626	1.0000	G	0.39	0.92	0.1211	1.0000
TRAF6	rs5030489	11	NC	Ato	G	0.06	0.63	0.2067	1.0000	G	0.07	1.26	0.4453	1.0000	G	0.08	0.79	0.1681	1.0000						G	0.07	0.84	0.2134	1.0000
TRAF6	rs5030403	11	NC	Ato	A	0.13	1.27	0.2981	1.0000	A	0.13	0.62	0.0303	0.6357	A	0.13	0.85	0.2666	1.0000	A	0.14	1.27	0.0457	0.9593	A	0.13	1.02	0.7660	1.0000
TRAF6	rs5030488	11	NC	Ato	G	0.09	0.70	0.2370	1.0000	G	0.10	0.97	0.8964	1.0000	G	0.13	0.89	0.3932	1.0000	G	0.10	0.88	0.3396	1.0000	G	0.10	0.87	0.1238	1.0000
TRAF6	rs331455	11	NC	Ato	G	0.24	0.92	0.6920	1.0000	G	0.25	0.81	0.2226	1.0000	G	0.27	0.83	0.0798	1.0000	G	0.26	1.04	0.6564	1.0000	G	0.26	0.92	0.2009	1.0000
CD14	rs778583	5	NC	AA	T	0.26	1.23	0.5771	1.0000	T	0.27	1.24	0.3848	1.0000	T	0.25	1.08	0.5286	1.0000	T	0.28	0.91	0.4308	1.0000	T	0.27	1.02	0.8143	1.0000
CD14	rs778584	5	NC	AA	A	0.50	0.65	0.1683	1.0000	A	0.49	0.93	0.7477	1.0000	G	0.45	1.06	0.6051	1.0000	A	0.49	0.98	0.8196	1.0000	A	0.50	0.94	0.3740	1.0000
CD14	rs4914	5	CS	AA	C	0.11	0.86	0.7814	1.0000	C	0.10	0.53	0.1137	1.0000	C	0.11	0.91	0.6255	1.0000	C	0.12	1.09	0.5710	1.0000	C	0.11	0.96	0.6951	1.0000
CD14	rs2569190**	5	NC	AA	A	0.49	0.69	0.2265	0.6795	A	0.49	0.96	0.8312	1.0000	G	0.45	1.03	0.7739	1.0000	A	0.48	0.97	0.7361	1.0000	A	0.49	0.95	0.4508	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>CD14</i>	rs5744455	5	NC	AA	T	0.24	1.70	0.1755	1.0000	T	0.23	0.90	0.6910	1.0000	T	0.19	1.02	0.8846	1.0000	T	0.24	1.07	0.5683	1.0000	T	0.23	1.06	0.5085	1.0000
<i>CD14</i>	rs2569193**	5	NC	AA											A	0.25	1.03	0.7937	1.0000						A	0.25	1.03	0.7937	1.0000
<i>CD14</i>	rs3822356	5	NC	AA	G	0.24	1.31	0.4645	1.0000	G	0.23	0.87	0.5928	1.0000	G	0.19	1.02	0.8846	1.0000	G	0.23	1.05	0.6713	1.0000	G	0.23	1.03	0.6988	1.0000
<i>CHUK</i>	rs3808916	10	NC	AA	A	0.08	*	0.0018	0.0221	A	0.08	1.30	0.5310	1.0000	A	0.09	1.35	0.1116	1.0000	A	0.06	1.05	0.8200	1.0000	A	0.08	1.14	0.3203	1.0000
<i>CHUK</i>	rs3818411	10	NC	AA	A	0.50	1.00	1.0000	1.0000	G	0.50	0.83	0.3554	1.0000	G	0.43	1.17	0.1653	1.0000	G	0.47	0.81	0.0330	0.2972	G	0.48	0.94	0.3463	1.0000
<i>CHUK</i>	rs17885986	10	NC	AA	T	0.07	0.83	0.7629	1.0000	T	0.05	0.60	0.3147	1.0000	T	0.06	1.10	0.6661	1.0000	T	0.06	0.88	0.5653	1.0000	T	0.06	0.94	0.6582	1.0000
<i>CHUK</i>	rs17880383	10	CS	AA	A	0.05	0.75	0.7050	1.0000	A	0.04	0.14	0.0245	0.2935	A	0.07	0.92	0.6766	1.0000	A	0.06	1.22	0.3376	1.0000	A	0.05	0.98	0.8947	1.0000
<i>CHUK</i>	rs11595324	10	NC	AA	C	0.04	1.50	0.5257	1.0000	C	0.04	0.70	0.4657	1.0000	C	0.04	1.00	1.0000	1.0000						C	0.04	0.97	0.9028	1.0000
<i>CHUK</i>	rs17885645	10	NC	AA	C	0.38	1.53	0.1927	1.0000	C	0.38	1.00	1.0000	1.0000	C	0.47	0.76	0.0156	0.1874	C	0.46	1.17	0.1218	1.0000	C	0.43	0.99	0.9002	1.0000
<i>IKBKAP</i>	rs10521090	9	NC	AA	C	0.29	2.56	0.0118	0.3974	C	0.28	0.74	0.1971	1.0000	C	0.28	0.96	0.7389	1.0000	C	0.31	1.13	0.2639	1.0000	C	0.29	1.06	0.4783	1.0000
<i>IKBKAP</i>	rs1417714	9	NC	AA	A	0.44	1.47	0.2156	1.0000	A	0.43	0.93	0.7324	1.0000	A	0.38	0.93	0.5260	1.0000	A	0.45	1.11	0.3073	1.0000	A	0.43	1.04	0.6203	1.0000
<i>IKBKAP</i>	rs7872727	9	NC	AA	G	0.22	0.85	0.6829	1.0000	G	0.23	0.82	0.4835	1.0000	G	0.18	0.78	0.0825	1.0000	G	0.23	1.09	0.4944	1.0000	G	0.22	0.93	0.4022	1.0000
<i>IKBKAP</i>	rs10816750	9	NC	AA	A	0.17	1.17	0.6947	1.0000	A	0.16	0.79	0.4049	1.0000	A	0.20	0.95	0.7216	1.0000	A	0.16	1.06	0.6850	1.0000	A	0.17	0.99	0.8812	1.0000
<i>IKBKAP</i>	rs1981268	9	NC	AA	C	0.12	0.57	0.3627	1.0000	C	0.12	1.67	0.1551	1.0000	C	0.11	0.91	0.6349	1.0000						C	0.12	1.00	1.0000	1.0000
<i>IKBKAP</i>	rs4978753	9	NC	AA	A	0.18	1.17	0.6947	1.0000	A	0.16	0.79	0.4049	1.0000	A	0.20	0.95	0.7216	1.0000	A	0.16	1.07	0.6098	1.0000	A	0.17	0.99	0.9363	1.0000
<i>IKBKAP</i>	rs2275496	9	NC	AA	A	0.45	0.95	0.8728	1.0000	A	0.45	1.02	0.9126	1.0000	A	0.47	1.18	0.1695	1.0000	A	0.45	0.83	0.0888	1.0000	A	0.46	0.98	0.7534	1.0000
<i>IKBKAP</i>	rs10512388	9	NC	AA	A	0.11	1.80	0.2817	1.0000	A	0.13	1.18	0.6217	1.0000	A	0.09	0.76	0.1999	1.0000	A	0.12	1.21	0.2472	1.0000	A	0.11	1.06	0.5958	1.0000
<i>IKBKAP</i>	rs4978374	9	NC	AA	T	0.23	0.70	0.4657	1.0000	T	0.25	1.23	0.4747	1.0000	T	0.23	0.95	0.7256	1.0000	T	0.24	0.98	0.8734	1.0000	T	0.24	0.98	0.8090	1.0000
<i>IKBKAP</i>	rs3780507	9	NC	AA	C	0.29	1.43	0.3022	1.0000	C	0.28	0.89	0.6373	1.0000	C	0.28	0.88	0.3111	1.0000	C	0.28	1.18	0.1603	1.0000	C	0.28	1.03	0.6868	1.0000
<i>IKBKAP</i>	rs10759326	9	CNS	AA	C	0.19	1.20	0.6696	1.0000	C	0.18	1.13	0.6681	1.0000	C	0.15	0.83	0.2421	1.0000	C	0.19	1.23	0.1077	1.0000	C	0.19	1.06	0.4996	1.0000
<i>IKBKAP</i>	rs2275632	9	NC	AA	A	0.06	1.00	1.0000	1.0000	A	0.07	1.00	1.0000	1.0000	A	0.04	1.00	1.0000	1.0000						A	0.06	1.00	1.0000	1.0000
<i>IKBKAP</i>	rs3818932	9	NC	AA	G	0.30	1.20	0.6013	1.0000	G	0.29	0.89	0.6325	1.0000	G	0.32	1.33	0.0372	1.0000	G	0.28	0.82	0.0737	1.0000	G	0.29	0.99	0.9460	1.0000
<i>IKBKAP</i>	rs838827	9	CNS	AA	A	0.05	3.00	0.1480	1.0000	A	0.05	1.25	0.6370	1.0000	A	0.05	0.57	0.0563	1.0000	A	0.06	1.34	0.1662	1.0000	A	0.06	1.08	0.6337	1.0000
<i>IKBKAP</i>	rs838825	9	NC	AA	G	0.17	1.00	1.0000	1.0000	G	0.19	1.30	0.3356	1.0000	G	0.18	1.09	0.5923	1.0000	G	0.19	1.07	0.5897	1.0000	G	0.18	1.10	0.3093	1.0000
<i>IKBKAP</i>	rs838824	9	NC	AA	T	0.34	1.43	0.3022	1.0000	T	0.33	1.00	1.0000	1.0000	T	0.37	1.14	0.2992	1.0000	T	0.34	0.89	0.2938	1.0000	T	0.35	1.01	0.9301	1.0000
<i>IKBKAP</i>	rs2297579	9	NC	AA	A	0.09	1.00	1.0000	1.0000	A	0.11	0.93	0.8474	1.0000	A	0.06	0.86	0.5348	1.0000	A	0.08	0.99	0.9770	1.0000	A	0.08	0.94	0.6618	1.0000
<i>IKBKAP</i>	rs838818	9	NC	AA	G	0.33	0.73	0.4319	1.0000	G	0.34	0.85	0.5285	1.0000	G	0.34	0.90	0.3961	1.0000	G	0.33	0.98	0.8182	1.0000	G	0.33	0.92	0.3093	1.0000
<i>IKBKAP</i>	rs838819	9	NC	AA	T	0.48	0.76	0.4645	1.0000	C	0.50	0.97	0.9042	1.0000	T	0.50	0.92	0.4974	1.0000	C	0.51	0.97	0.7942	1.0000	T	0.49	0.98	0.7470	1.0000
<i>IKBKAP</i>	rs2289480	9	NC	AA	C	0.38	1.07	0.8575	1.0000	C	0.39	0.97	0.9068	1.0000	C	0.38	1.25	0.0851	1.0000	C	0.36	0.84	0.1083	1.0000	C	0.37	0.99	0.9008	1.0000

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Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>IKBKB</i>	rs3747811	8	NC	AA	A	0.49	0.82	0.5267	1.0000	A	0.48	0.93	0.7419	1.0000	A	0.47	1.09	0.4550	1.0000	A	0.48	0.91	0.3479	1.0000	A	0.48	0.97	0.6608	1.0000
<i>IKBKB</i>	rs11986055	8	NC	AA	C	0.06	1.50	0.5257	1.0000	C	0.04	0.67	0.5257	1.0000	C	0.02	1.80	0.2817	1.0000	C	0.04	1.13	0.6487	1.0000	C	0.04	1.18	0.4358	1.0000
<i>IKBKB</i>	rs5029748	8	NC	AA	A	0.29	0.76	0.4645	1.0000	A	0.28	1.04	0.8927	1.0000	A	0.27	1.02	0.8461	1.0000	A	0.26	0.91	0.3868	1.0000	A	0.27	0.95	0.5454	1.0000
<i>IKBKB</i>	rs4560769	8	NC	AA	C	0.09	1.17	0.7814	1.0000	C	0.08	0.79	0.5480	1.0000	C	0.10	1.04	0.8501	1.0000	C	0.09	1.26	0.1997	1.0000	C	0.09	1.11	0.3873	1.0000
<i>IKBKB</i>	rs2272733	8	NC	AA	A	0.12	1.33	0.5923	1.0000	A	0.12	1.00	1.0000	1.0000	A	0.12	1.23	0.2685	1.0000	A	0.13	1.22	0.2041	1.0000	A	0.12	1.20	0.0955	1.0000
<i>IKBKB</i>	rs17875746	8	NC	AA	A	0.03	1.00	1.0000	1.0000	A	0.04	0.71	0.5628	1.0000	A	0.09	0.94	0.7630	1.0000	A	0.05	1.35	0.2039	1.0000	A	0.05	1.06	0.6732	1.0000
<i>IKBKB</i>	rs10958713	8	NC	AA	A	0.37	0.73	0.3294	1.0000	A	0.37	1.03	0.9055	1.0000	A	0.37	0.92	0.4854	1.0000	A	0.36	0.89	0.2727	1.0000	A	0.36	0.91	0.1715	1.0000
<i>IL18</i>	rs543810	11	NC	AA	C	0.15	1.00	1.0000	1.0000	C	0.13	1.29	0.4789	1.0000	C	0.14	1.13	0.5173	1.0000	C	0.09	0.86	0.4030	1.0000	C	0.12	1.01	0.9316	1.0000
<i>IL18</i>	rs549908	11	CS	AA	G	0.28	1.40	0.3162	1.0000	G	0.29	1.22	0.4382	1.0000	G	0.30	1.09	0.4925	1.0000	G	0.31	1.02	0.8439	1.0000	G	0.30	1.08	0.3094	1.0000
<i>IL18</i>	rs5744256	11	NC	AA	C	0.22	0.88	0.7149	1.0000	C	0.24	0.56	0.0284	0.3413	C	0.26	0.77	0.0548	0.6581	C	0.26	0.92	0.4701	1.0000	C	0.25	0.82	0.0152	0.1823
<i>IL18</i>	rs1834481	11	NC	AA	C	0.22	0.92	0.8348	1.0000	C	0.24	0.58	0.0617	0.7406	C	0.27	0.76	0.0810	0.9720						C	0.24	0.73	0.0177	0.2125
<i>IL18</i>	rs2043055	11	NC	AA	G	0.37	0.85	0.6217	1.0000	G	0.36	1.27	0.2981	1.0000	G	0.32	1.15	0.2693	1.0000	G	0.38	1.14	0.2167	1.0000	G	0.36	1.14	0.0807	0.9679
<i>IL18</i>	rs360717**	11	NC	AA	A	0.25	1.36	0.3832	1.0000	A	0.26	1.11	0.6910	1.0000	A	0.27	1.00	1.0000	1.0000						A	0.26	1.05	0.6577	1.0000
<i>IL18</i>	rs1946518	11	NC	AA	T	0.41	1.11	0.7518	1.0000	T	0.40	1.16	0.5470	1.0000	T	0.43	0.97	0.8137	1.0000	T	0.38	0.97	0.7488	1.0000	T	0.40	0.99	0.9097	1.0000
<i>IL18</i>	rs360712	11	CS	AA	C	0.24	1.36	0.3832	1.0000	C	0.25	1.00	1.0000	1.0000	C	0.24	0.95	0.6844	1.0000	C	0.26	1.09	0.4628	1.0000	C	0.25	1.04	0.6361	1.0000
<i>IL18BP</i>	rs2276384	11	NC	AA	C	0.04	0.50	0.5599	1.0000	C	0.04	0.50	0.2437	1.0000	C	0.02	1.22	0.5889	1.0000	C	0.02	1.05	0.9022	1.0000	C	0.03	0.96	0.8743	1.0000
<i>IL18BP</i>	rs3814721	11	NC	AA	C	0.08	0.71	0.5628	1.0000	C	0.07	0.55	0.2218	1.0000	C	0.06	1.15	0.5580	1.0000	C	0.05	1.14	0.5770	1.0000	C	0.06	1.03	0.8341	1.0000
<i>IL18BP</i>	rs2298455	11	NC	AA	C	0.12	0.25	0.0162	0.1436	C	0.11	1.18	0.6217	1.0000	C	0.12	1.26	0.2078	1.0000	C	0.12	1.13	0.4578	1.0000	C	0.12	1.11	0.3432	1.0000
<i>IL18BP</i>	rs1573503	11	NC	AA	A	0.04	0.50	0.5599	1.0000	A	0.03	0.57	0.3627	1.0000	A	0.02	1.68	0.3128	1.0000	A	0.02	1.05	0.9058	1.0000	A	0.03	1.02	0.9360	1.0000
<i>IL18R1</i>	rs13015714	2	NC	AA	G	0.26	1.83	0.0840	1.0000	G	0.29	1.10	0.7098	1.0000	G	0.22	0.87	0.3490	1.0000	G	0.23	0.92	0.4717	1.0000	G	0.25	0.96	0.6177	1.0000
<i>IL18R1</i>	rs4851567	2	NC	AA	T	0.09	0.86	0.7814	1.0000																T	0.09	0.86	0.7814	1.0000
<i>IL18R1</i>	rs10170583	2	NC	AA	A	0.35	0.77	0.4227	1.0000	A	0.32	1.03	0.9013	1.0000	A	0.41	0.81	0.0854	1.0000	A	0.38	0.90	0.3261	1.0000	A	0.36	0.87	0.0611	1.0000
<i>IL18R1</i>	rs10204837	2	NC	AA	A	0.35	0.78	0.4343	1.0000	A	0.32	1.09	0.7179	1.0000	A	0.41	0.83	0.1325	1.0000	A	0.37	0.89	0.2610	1.0000	A	0.36	0.88	0.0769	1.0000
<i>IL18R1</i>	rs11465567	2	NC	AA	G	0.10	0.86	0.7814	1.0000	G	0.10	0.53	0.0920	1.0000	G	0.10	1.44	0.0795	1.0000	G	0.10	1.21	0.2570	1.0000	G	0.10	1.16	0.2202	1.0000
<i>IL18R1</i>	rs2287037	2	NC	AA	A	0.39	0.80	0.4556	1.0000	A	0.39	0.88	0.5636	1.0000	A	0.36	1.25	0.4134	1.0000	A	0.40	1.19	0.0949	1.0000	A	0.39	1.11	0.2266	1.0000
<i>IL18R1</i>	rs11465572	2	NC	AA	T	0.10	0.86	0.7814	1.0000	T	0.10	0.58	0.1417	1.0000	T	0.10	1.44	0.0795	1.0000	T	0.10	1.21	0.2566	1.0000	T	0.10	1.17	0.1989	1.0000
<i>IL18R1</i>	rs10515921	2	NC	AA	G	0.12	0.67	0.3695	1.0000	G	0.11	1.00	1.0000	1.0000	G	0.11	0.83	0.3351	1.0000	G	0.15	0.93	0.6355	1.0000	G	0.13	0.89	0.2809	1.0000
<i>IL18R1</i>	rs3771172	2	NC	AA	T	0.29	0.76	0.4104	1.0000	T	0.29	1.11	0.6961	1.0000	T	0.27	1.18	0.2147	1.0000	T	0.30	1.11	0.3376	1.0000	T	0.29	1.11	0.1806	1.0000
<i>IL18R1</i>	rs1465321	2	NC	AA	A	0.26	1.83	0.0840	1.0000	A	0.29	1.06	0.8084	1.0000	A	0.22	0.89	0.4306	1.0000	A	0.22	0.94	0.6288	1.0000	A	0.25	0.98	0.7721	1.0000

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					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>IL18R1</i>	rs11465597	2	NC	AA	C	0.10	1.00	1.0000	1.0000	C	0.10	0.59	0.1755	1.0000	C	0.10	1.69	0.0111	0.3360	C	0.10	1.24	0.2147	1.0000	C	0.10	1.27	0.0504	1.0000
<i>IL18R1</i>	rs7579737	2	NC	AA	G	0.28	0.72	0.3681	1.0000	G	0.27	1.06	0.8111	1.0000	G	0.33	1.05	0.6885	1.0000	G	0.31	1.02	0.8725	1.0000	G	0.30	1.02	0.8172	1.0000
<i>IL18R1</i>	rs6758936	2	NC	AA	A	0.45	0.71	0.3162	1.0000	A	0.42	0.97	0.9068	1.0000	A	0.50	0.95	0.6740	1.0000	A	0.47	0.98	0.8523	1.0000	A	0.46	0.96	0.5257	1.0000
<i>IL18R1</i>	rs7558013	2	NC	AA	T	0.19	0.86	0.6947	1.0000	T	0.18	1.79	0.0380	1.0000	T	0.21	0.84	0.2376	1.0000	T	0.24	0.93	0.5118	1.0000	T	0.21	0.95	0.5468	1.0000
<i>IL18R1</i>	rs11465623	2	NC	AA	A	0.08	0.57	0.3627	1.0000	A	0.08	0.43	0.0697	1.0000	A	0.12	1.25	0.2515	1.0000	A	0.08	1.26	0.2252	1.0000	A	0.09	1.12	0.3856	1.0000
<i>IL18R1</i>	rs3213733	2	NC	AA	A	0.17	0.92	0.8415	1.0000	A	0.16	0.69	0.1723	1.0000	A	0.17	0.93	0.6692	1.0000	A	0.15	0.92	0.5739	1.0000	A	0.16	0.89	0.2411	1.0000
<i>IL18R1</i>	rs2241116	2	NC	AA	T	0.21	0.65	0.2550	1.0000	T	0.21	0.96	0.8907	1.0000	T	0.21	1.25	0.1280	1.0000	T	0.23	1.16	0.2239	1.0000	T	0.22	1.13	0.1444	1.0000
<i>IL18RAP</i>	rs1592458	2	NC	AA	T	0.45	0.71	0.3162	1.0000	T	0.42	0.95	0.8185	1.0000	T	0.50	0.95	0.6740	1.0000	T	0.47	0.97	0.7707	1.0000	T	0.46	0.95	0.4570	1.0000
<i>IL18RAP</i>	rs1807782	2	NC	AA	G	0.26	1.83	0.0840	1.0000	G	0.29	1.06	0.8084	1.0000	G	0.22	0.90	0.4749	1.0000	G	0.23	0.91	0.4178	1.0000	G	0.25	0.96	0.6342	1.0000
<i>IL18RAP</i>	rs11465670	2	NC	AA	C	0.12	0.75	0.5120	1.0000	C	0.11	1.17	0.6308	1.0000	C	0.11	0.89	0.5522	1.0000	C	0.15	1.00	0.9769	1.0000	C	0.13	0.97	0.7687	1.0000
<i>IL18RAP</i>	rs1833174	2	NC	AA	A	0.45	0.71	0.3162	1.0000	A	0.42	0.92	0.7290	1.0000	A	0.50	0.95	0.6740	1.0000	A	0.47	0.97	0.7724	1.0000	A	0.46	0.95	0.4363	1.0000
<i>IL18RAP</i>	rs2293225	2	NC	AA	A	0.21	0.65	0.2550	1.0000	A	0.21	0.92	0.7773	1.0000	A	0.21	1.26	0.1117	1.0000	A	0.23	1.16	0.2239	1.0000	A	0.22	1.13	0.1436	1.0000
<i>IL18RAP</i>	rs6756407	2	NC	AA	A	0.08	0.57	0.3627	1.0000	A	0.08	0.46	0.1042	1.0000	A	0.12	1.20	0.3396	1.0000	A	0.08	1.17	0.4047	1.0000	A	0.09	1.07	0.5797	1.0000
<i>IL18RAP</i>	rs3771156	2	NC	AA	A	0.29	0.81	0.5160	1.0000	A	0.28	1.00	1.0000	1.0000	A	0.27	1.15	0.2973	1.0000	A	0.30	1.12	0.3094	1.0000	A	0.29	1.10	0.2369	1.0000
<i>IL18RAP</i>	rs10176820	2	NC	AA	G	0.17	0.92	0.8415	1.0000	G	0.16	0.73	0.2663	1.0000	G	0.17	0.94	0.7335	1.0000	G	0.15	0.93	0.5935	1.0000	G	0.16	0.91	0.3139	1.0000
<i>IL18RAP</i>	rs2075186	2	NC	AA	A	0.17	0.92	0.8415	1.0000	A	0.16	0.66	0.1294	1.0000	A	0.17	0.94	0.7335	1.0000	A	0.15	0.93	0.5902	1.0000	A	0.16	0.89	0.2477	1.0000
<i>IL18RAP</i>	rs11465702	2	NC	AA	G	0.12	0.82	0.6545	1.0000	G	0.12	0.63	0.1300	1.0000	G	0.15	0.88	0.4793	1.0000	G	0.12	0.86	0.3208	1.0000	G	0.12	0.83	0.0830	1.0000
<i>IL18RAP</i>	rs6748390	2	NC	AA	C	0.28	0.72	0.3681	1.0000	C	0.26	1.26	0.3696	1.0000	C	0.33	0.97	0.7987	1.0000	C	0.32	0.97	0.8087	1.0000	C	0.30	0.98	0.8039	1.0000
<i>IL18RAP</i>	rs6543135	2	NC	AA	A	0.19	0.86	0.6947	1.0000	A	0.18	1.79	0.0380	1.0000	A	0.20	0.87	0.3439	1.0000	A	0.24	0.93	0.5491	1.0000	A	0.21	0.96	0.6661	1.0000
<i>IL18RAP</i>	rs11465724	2	NC	AA	A	0.03	0.67	0.6536	1.0000	A	0.03	0.33	0.1480	1.0000	A	0.03	0.86	0.6391	1.0000	A	0.04	1.23	0.4644	1.0000	A	0.03	0.94	0.7735	1.0000
<i>IL18RAP</i>	rs11465730	2	NC	AA	C	0.46	0.84	0.5551	1.0000	C	0.45	0.77	0.2507	1.0000	C	0.45	1.11	0.3975	1.0000	C	0.45	1.07	0.4999	1.0000	C	0.45	1.03	0.6353	1.0000
<i>IL18RAP</i>	rs917998	2	NC	AA	A	0.08	1.17	0.7814	1.0000	A	0.08	3.40	0.0085	0.2356	A	0.10	0.87	0.4857	1.0000	A	0.09	0.87	0.4042	1.0000	A	0.09	0.97	0.8255	1.0000
<i>IL1A</i>	rs2048874	2	NC	AA	T	0.11	2.40	0.0848	1.0000	T	0.10	3.00	0.0122	0.1456	T	0.15	1.25	0.1712	1.0000	T	0.13	1.05	0.7289	1.0000	T	0.12	1.25	0.0345	0.4099
<i>IL1A</i>	rs4848300	2	NC	AA	C	0.28	1.18	0.6217	1.0000	C	0.29	0.88	0.6681	1.0000	C	0.30	0.85	0.2018	1.0000	C	0.29	0.90	0.3685	1.0000	C	0.29	0.90	0.1575	1.0000
<i>IL1A</i>	rs3783546	2	NC	AA	G	0.35	0.86	0.6308	1.0000	G	0.35	0.81	0.4304	1.0000	G	0.29	1.09	0.5113	1.0000	G	0.31	1.01	0.9405	1.0000	G	0.32	1.01	0.9268	1.0000
<i>IL1A</i>	rs17561**	2	CNS	AA	A	0.27	1.18	0.6217	1.0000	A	0.28	0.88	0.6681	1.0000	A	0.30	0.85	0.2018	0.6054	A	0.29	0.91	0.4107	1.0000	A	0.29	0.90	0.1738	0.5214
<i>IL1A</i>	rs1800587	2	NC	AA	A	0.27	1.18	0.6217	1.0000	A	0.29	0.85	0.5714	1.0000	A	0.30	0.84	0.1792	1.0000	A	0.29	0.91	0.3929	1.0000	A	0.29	0.89	0.1441	1.0000
<i>IL1A</i>	rs3783516	2	NC	AA	A	0.38	1.00	1.0000	1.0000	A	0.36	1.27	0.2981	1.0000	A	0.41	1.07	0.5730	1.0000	A	0.40	1.08	0.4669	1.0000	A	0.39	1.09	0.2390	1.0000
<i>IL1B</i>	rs3917368	2	NC	AA	T	0.37	0.65	0.1927	1.0000	T	0.36	1.05	0.8273	1.0000	T	0.36	1.15	0.2711	1.0000	T	0.36	0.99	0.8995	1.0000	T	0.36	1.02	0.7481	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>IL1B</i>	rs1143634	2	CS	AA	A	0.19	1.33	0.4489	1.0000	A	0.21	1.22	0.4835	1.0000	A	0.25	0.78	0.0628	0.3387	A	0.23	1.02	0.8808	1.0000	A	0.22	0.94	0.4913	1.0000
<i>IL1B</i>	rs1143627	2	NC	AA	G	0.37	2.27	0.0181	0.1084	G	0.38	0.91	0.6625	1.0000	G	0.27	1.14	0.3190	1.0000	G	0.34	1.03	0.8085	1.0000	G	0.35	1.09	0.2645	1.0000
<i>IL1B</i>	rs16944**	2	NC	AA	T	0.37	2.18	0.0262	0.0785	T	0.37	0.95	0.8252	1.0000	T	0.27	1.14	0.3190	0.9570	T	0.35	1.04	0.7259	1.0000	T	0.35	1.10	0.2176	0.6528
<i>IL1R1</i>	rs11883987	2	NC	AA	G	0.40	1.53	0.1683	1.0000	G	0.39	0.70	0.1119	1.0000						G	0.39	0.89	0.2640	1.0000	G	0.39	0.90	0.2319	1.0000
<i>IL1R1</i>	rs1558642	2	NC	AA	A	0.19	1.21	0.5897	1.0000	A	0.21	0.88	0.6113	1.0000	A	0.21	0.89	0.4533	1.0000	A	0.21	0.90	0.3846	1.0000	A	0.21	0.91	0.2772	1.0000
<i>IL1R1</i>	rs6754776	2	NC	AA	C	0.14	0.75	0.5120	1.0000	C	0.12	1.00	1.0000	1.0000	C	0.14	1.37	0.0637	1.0000	C	0.13	0.81	0.1720	1.0000	C	0.13	1.01	0.9487	1.0000
<i>IL1R1</i>	rs3917225	2	NC	AA	G	0.45	0.72	0.2847	1.0000	G	0.47	1.47	0.0799	1.0000	G	0.45	1.09	0.5236	1.0000	G	0.48	1.18	0.1039	1.0000	G	0.47	1.14	0.0642	1.0000
<i>IL1R1</i>	rs2192752	2	NC	AA	C	0.20	1.21	0.5897	1.0000	C	0.21	0.83	0.4529	1.0000	C	0.21	0.89	0.4533	1.0000	C	0.21	0.89	0.3649	1.0000	C	0.21	0.90	0.2314	1.0000
<i>IL1R1</i>	rs949963	2	NC	AA	T	0.19	1.67	0.2182	1.0000	T	0.18	0.65	0.1074	1.0000	T	0.17	0.84	0.2831	1.0000	T	0.16	0.93	0.5676	1.0000	T	0.17	0.88	0.1927	1.0000
<i>IL1R1</i>	rs3917243	2	NC	AA	T	0.47	0.91	0.7576	1.0000	C	0.52	0.70	0.0908	1.0000	T	0.47	0.98	0.9017	1.0000	T	0.49	1.18	0.1089	1.0000	T	0.48	1.12	0.1189	1.0000
<i>IL1R1</i>	rs3917254	2	NC	AA	A	0.11	0.54	0.1764	1.0000	A	0.10	1.36	0.4319	1.0000	A	0.05	1.86	0.0168	0.5557	A	0.10	0.91	0.5932	1.0000	A	0.09	1.09	0.5036	1.0000
<i>IL1R1</i>	rs3917273	2	NC	AA	T	0.44	1.06	0.8694	1.0000	T	0.47	0.77	0.2322	1.0000	T	0.39	1.03	0.7687	1.0000	T	0.41	1.03	0.7605	1.0000	T	0.43	1.00	0.9736	1.0000
<i>IL1R1</i>	rs3917285	2	NC	AA	T	0.09	0.63	0.4033	1.0000	T	0.09	0.52	0.0746	1.0000	T	0.12	0.94	0.7582	1.0000	T	0.08	0.98	0.8991	1.0000	T	0.09	0.87	0.2747	1.0000
<i>IL1R1</i>	rs2228139	2	CNS	AA	C	0.06	1.00	1.0000	1.0000	C	0.06	2.40	0.0848	1.0000	C	0.08	0.89	0.5874	1.0000	C	0.08	1.07	0.7152	1.0000	C	0.07	1.05	0.6928	1.0000
<i>IL1R1</i>	rs3917289	2	NC	AA	A	0.07	1.25	0.7386	1.0000	A	0.07	1.71	0.2486	1.0000	A	0.08	0.93	0.7504	1.0000	A	0.09	1.09	0.6423	1.0000	A	0.08	1.07	0.5977	1.0000
<i>IL1R1</i>	rs997049	2	NC	AA	A	0.38	0.95	0.8694	1.0000	A	0.35	1.36	0.1734	1.0000	A	0.44	1.06	0.6276	1.0000	A	0.41	1.03	0.7656	1.0000	A	0.40	1.07	0.3700	1.0000
<i>IL1R1</i>	rs3917292	2	NC	AA	A	0.06	0.60	0.4772	1.0000	A	0.06	1.50	0.4370	1.0000	A	0.05	0.66	0.1771	1.0000	A	0.08	0.96	0.8385	1.0000	A	0.06	0.89	0.4498	1.0000
<i>IL1R1</i>	rs3917296	2	NC	AA	G	0.09	0.50	0.3127	1.0000	G	0.07	1.00	1.0000	1.0000	G	0.08	1.30	0.2314	1.0000	G	0.08	1.05	0.7856	1.0000	G	0.08	1.09	0.4804	1.0000
<i>IL1R1</i>	rs951193	2	NC	AA	A	0.04	0.67	0.6536	1.0000	A	0.05	0.23	0.0094	0.3437	A	0.03	0.94	0.8658	1.0000	A	0.04	1.12	0.6425	1.0000	A	0.04	0.87	0.4588	1.0000
<i>IL1R1</i>	rs3917304	2	NC	AA	A	0.32	1.13	0.7236	1.0000	A	0.35	0.59	0.0305	1.0000	A	0.27	1.03	0.8415	1.0000	A	0.27	1.02	0.8513	1.0000	A	0.30	0.97	0.7001	1.0000
<i>IL1R1</i>	rs3917332	2	NC	AA	A	0.19	1.17	0.6947	1.0000	A	0.18	1.00	1.0000	1.0000	A	0.22	0.82	0.1684	1.0000	A	0.20	0.96	0.7740	1.0000	A	0.19	0.92	0.3401	1.0000
<i>IL1R1</i>	rs1030021	2	NC	AA	G	0.31	1.14	0.7149	1.0000											G	0.27	1.02	0.8542	1.0000	G	0.28	1.03	0.7763	1.0000
<i>IL1R2</i>	rs740044	2	NC	AA	A	0.25	1.31	0.4645	1.0000	A	0.26	0.76	0.3010	1.0000	A	0.29	0.79	0.0666	1.0000	A	0.30	0.85	0.1370	1.0000	A	0.28	0.83	0.0210	0.4403
<i>IL1R2</i>	rs4851519	2	NC	AA	T	0.09	1.20	0.7629	1.0000	T	0.08	1.71	0.2486	1.0000	T	0.07	1.36	0.2168	1.0000	T	0.09	0.96	0.8435	1.0000	T	0.08	1.14	0.3390	1.0000
<i>IL1R2</i>	rs4851522	2	NC	AA	T	0.14	0.82	0.6545	1.0000	T	0.14	0.96	0.8864	1.0000	T	0.10	1.21	0.3551	1.0000						T	0.13	1.08	0.6394	1.0000
<i>IL1R2</i>	rs757918	2	NC	AA	G	0.45	1.32	0.3650	1.0000	G	0.44	1.08	0.7357	1.0000	G	0.47	0.78	0.0334	0.8058	G	0.49	0.87	0.1855	1.0000	G	0.47	0.88	0.0603	1.0000
<i>IL1R2</i>	rs4851526	2	NC	AA	C	0.43	0.86	0.6393	1.0000	C	0.46	0.71	0.1212	1.0000	C	0.44	1.33	0.0172	0.4147	C	0.40	1.18	0.1145	1.0000	C	0.42	1.15	0.0554	1.0000
<i>IL1R2</i>	rs719250	2	NC	AA	T	0.11	0.63	0.4033	1.0000	T	0.09	2.80	0.0351	0.7377	T	0.08	0.86	0.4627	1.0000	T	0.10	1.01	0.9364	1.0000	T	0.10	1.00	0.9968	1.0000
<i>IL1R2</i>	rs3218848	2	NC	AA	A	0.42	0.87	0.6472	1.0000																A	0.42	0.87	0.6472	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>IL1R2</i>	rs2110562	2	NC	AA	T	0.46	1.30	0.3757	1.0000	T	0.44	1.03	0.9104	1.0000	T	0.47	0.78	0.0384	0.9244	T	0.49	0.87	0.1564	1.0000	T	0.47	0.87	0.0480	1.0000
<i>IL1R2</i>	rs3218979	2	NC	AA	A	0.15	1.18	0.6829	1.0000	A	0.15	0.92	0.7680	1.0000	A	0.11	1.21	0.3308	1.0000	A	0.16	1.20	0.1926	1.0000	A	0.15	1.16	0.1426	1.0000
<i>IL1R2</i>	rs2072473	2	NC	AA	A	0.13	1.00	1.0000	1.0000	A	0.12	1.25	0.5633	1.0000	A	0.13	0.90	0.5437	1.0000	A	0.14	0.98	0.8675	1.0000	A	0.13	0.97	0.7416	1.0000
<i>IL1R2</i>	rs2072472	2	NC	AA	C	0.28	0.89	0.7388	1.0000	C	0.32	0.77	0.2779	1.0000	C	0.32	1.30	0.0395	0.9512	C	0.26	1.00	0.9812	1.0000	C	0.29	1.07	0.3852	1.0000
<i>IL1R2</i>	rs7589525	2	NC	AA	C	0.28	0.89	0.7388	1.0000	C	0.32	0.79	0.3385	1.0000	C	0.33	1.28	0.0463	1.0000	C	0.26	1.01	0.9341	1.0000	C	0.28	1.07	0.3646	1.0000
<i>IL1R2</i>	rs4851531	2	NC	AA	A	0.42	0.87	0.6472	1.0000	A	0.44	0.87	0.5583	1.0000	A	0.46	1.20	0.1249	1.0000	A	0.40	1.00	0.9936	1.0000	A	0.42	1.05	0.5152	1.0000
<i>IL1R2</i>	rs4851534	2	NC	AA	A	0.43	1.00	1.0000	1.0000	A	0.41	1.19	0.4307	1.0000	A	0.43	0.77	0.0269	0.6478	A	0.45	0.90	0.2945	1.0000	A	0.43	0.88	0.0715	1.0000
<i>IL1RL1</i>	rs4090473	2	NC	AA	C	0.52	0.79	0.4453	1.0000	C	0.51	0.71	0.1110	1.0000	G	0.47	0.87	0.2111	1.0000	G	0.49	1.00	0.9754	1.0000	G	0.48	0.99	0.9279	1.0000
<i>IL1RL1</i>	rs950880	2	NC	AA	A	0.39	0.88	0.6616	1.0000	A	0.39	0.92	0.7290	1.0000	A	0.39	1.24	0.0668	1.0000	A	0.40	1.10	0.3583	1.0000	A	0.39	1.12	0.1263	1.0000
<i>IL1RL1</i>	rs1420089	2	NC	AA	C	0.09	1.00	1.0000	1.0000	C	0.08	3.50	0.0030	0.0535	C	0.15	0.92	0.6170	1.0000	C	0.11	0.96	0.8077	1.0000	C	0.11	1.04	0.7452	1.0000
<i>IL1RL1</i>	rs1420103	2	NC	AA	A	0.27	1.62	0.1681	1.0000	A	0.30	0.97	0.9055	1.0000	A	0.22	0.92	0.5636	1.0000	A	0.24	0.99	0.9203	1.0000	A	0.25	0.99	0.9114	1.0000
<i>IL1RL1</i>	rs1041973	2	CNS	AA	A	0.22	0.93	0.8474	1.0000	A	0.22	0.59	0.0339	0.6107	A	0.24	1.07	0.6232	1.0000						A	0.22	0.93	0.5218	1.0000
<i>IL1RL1</i>	rs6719130	2	NC	AA	T	0.12	0.75	0.5120	1.0000	T	0.11	1.00	1.0000	1.0000	T	0.12	0.82	0.2955	1.0000	T	0.15	1.03	0.8318	1.0000	T	0.13	0.94	0.5653	1.0000
<i>IL1RL1</i>	rs3771175	2	NC	AA	A	0.13	0.82	0.6545	1.0000	A	0.12	0.59	0.0751	1.0000	A	0.15	0.91	0.5899	1.0000	A	0.12	0.84	0.2789	1.0000	A	0.13	0.83	0.0717	1.0000
<i>IL1RL1</i>	rs1946131	2	NC	AA	A	0.10	0.86	0.7814	1.0000	A	0.10	0.58	0.1417	1.0000	A	0.10	1.42	0.0972	1.0000	A	0.10	1.22	0.2442	1.0000	A	0.10	1.16	0.2116	1.0000
<i>IL1RL1</i>	rs1921622	2	NC	AA	T	0.52	0.72	0.2569	1.0000	T	0.50	0.95	0.8273	1.0000	T	0.48	1.18	0.1313	1.0000	C	0.45	0.88	0.1941	1.0000	C	0.48	0.90	0.1426	1.0000
<i>IL1RN</i>	rs315931	2	NC	AA	C	0.35	0.94	0.8618	1.0000	C	0.35	0.80	0.3519	1.0000	C	0.28	1.13	0.3618	1.0000	C	0.32	0.96	0.7119	1.0000	C	0.33	0.99	0.9476	1.0000
<i>IL1RN</i>	rs4251961	2	NC	AA	G	0.32	1.12	0.7388	1.0000	G	0.35	1.03	0.9055	1.0000	G	0.43	0.94	0.5687	1.0000	G	0.38	1.00	0.9654	1.0000	G	0.36	0.98	0.8258	1.0000
<i>IL1RN</i>	rs2637988	2	NC	AA	C	0.42	1.17	0.6308	1.0000	C	0.43	0.95	0.8185	1.0000	C	0.34	0.97	0.8026	1.0000	C	0.40	0.97	0.7601	1.0000	C	0.40	0.98	0.7444	1.0000
<i>IL1RN</i>	rs3213448	2	NC	AA	T	0.16	1.25	0.6370	1.0000	T	0.14	1.50	0.2044	1.0000	T	0.10	0.81	0.2602	1.0000	T	0.12	1.08	0.6405	1.0000	T	0.13	1.02	0.8294	1.0000
<i>IL1RN</i>	rs315934	2	NC	AA	G	0.19	0.53	0.1137	1.0000	G	0.18	1.04	0.8946	1.0000	G	0.18	1.13	0.4401	1.0000	G	0.19	1.12	0.3749	1.0000	G	0.19	1.07	0.4465	1.0000
<i>IL1RN</i>	rs392503**	2	NC	AA	G	0.27	1.06	0.8658	1.0000	G	0.29	0.85	0.4853	1.0000	G	0.25	1.07	0.6314	1.0000	G	0.28	0.88	0.2838	0.8514	G	0.28	0.95	0.5042	1.0000
<i>IL1RN</i>	rs1794067**	2	NC	AA	A	0.27	1.00	1.0000	1.0000	A	0.29	0.74	0.2032	0.6096	A	0.25	1.10	0.4941	1.0000	A	0.29	0.88	0.2735	0.8205	A	0.28	0.94	0.4211	1.0000
<i>IL1RN</i>	rs598859	2	NC	AA	T	0.27	1.00	1.0000	1.0000	T	0.29	0.80	0.3519	1.0000	T	0.25	1.10	0.4941	1.0000						T	0.27	1.01	0.9115	1.0000
<i>IL1RN</i>	rs973635	2	NC	AA	A	0.18	1.25	0.6370	1.0000	A	0.15	1.47	0.2156	1.0000	A	0.11	0.95	0.7833	1.0000	A	0.14	0.94	0.6603	1.0000	A	0.15	1.00	0.9585	1.0000
<i>IL1RN</i>	rs440286**	2	NC	AA	T	0.25	0.94	0.8618	1.0000	T	0.27	0.89	0.6373	1.0000	T	0.24	1.03	0.8348	1.0000	T	0.28	0.95	0.6317	1.0000	T	0.27	0.97	0.6775	1.0000
<i>IL1RN</i>	rs315952	2	CS	AA	G	0.32	0.95	0.8694	1.0000	G	0.29	1.09	0.7139	1.0000	G	0.25	0.99	0.9461	1.0000	G	0.28	1.01	0.9327	1.0000	G	0.29	1.01	0.9211	1.0000
<i>IRAK2</i>	rs11465853	3	NC	AA	G	0.32	1.42	0.3520	1.0000	G	0.34	0.81	0.3584	1.0000	G	0.33	0.86	0.2506	1.0000	G	0.32	0.99	0.9529	1.0000	G	0.33	0.94	0.4005	1.0000
<i>IRAK2</i>	rs708030	3	NC	AA	G	0.52	0.82	0.5267	1.0000	G	0.48	1.15	0.5583	1.0000	G	0.44	1.08	0.4897	1.0000	G	0.48	1.00	0.9643	1.0000	G	0.48	1.03	0.6247	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
IRAK2	rs2619508	3	NC	AA	A	0.49	0.91	0.7630	1.0000	C	0.51	0.62	0.0303	1.0000	A	0.42	1.09	0.4594	1.0000	A	0.43	0.84	0.0791	1.0000	A	0.46	0.99	0.9070	1.0000
IRAK2	rs11465861	3	NC	AA	C	0.19	0.88	0.7236	1.0000	C	0.24	1.46	0.1509	1.0000	C	0.19	1.15	0.3036	1.0000	C	0.20	0.83	0.1567	1.0000	C	0.21	1.01	0.9414	1.0000
IRAK2	rs1681663	3	NC	AA	T	0.29	1.00	1.0000	1.0000	T	0.23	1.46	0.1509	1.0000	T	0.24	0.97	0.8408	1.0000	T	0.22	0.93	0.5282	1.0000	T	0.24	0.99	0.9170	1.0000
IRAK2	rs1169670	3	NC	AA	C	0.34	1.00	1.0000	1.0000	C	0.35	0.84	0.4666	1.0000	C	0.41	0.83	0.1153	1.0000	C	0.39	1.24	0.0399	1.0000	C	0.37	1.02	0.8219	1.0000
IRAK2	rs1177614	3	NC	AA	C	0.29	1.00	1.0000	1.0000	C	0.24	1.63	0.0576	1.0000	C	0.23	0.98	0.8927	1.0000	C	0.22	0.92	0.4696	1.0000	C	0.24	1.00	0.9698	1.0000
IRAK2	rs155266	3	NC	AA	T	0.40	0.76	0.3650	1.0000	T	0.44	1.17	0.4911	1.0000	T	0.39	1.17	0.5789	1.0000	T	0.44	0.85	0.1112	1.0000	T	0.43	0.91	0.2486	1.0000
IRAK2	rs1144911	3	NC	AA	A	0.35	1.00	1.0000	1.0000	A	0.35	0.86	0.5411	1.0000	A	0.40	0.89	0.3454	1.0000	A	0.39	1.18	0.1098	1.0000	A	0.37	1.03	0.7263	1.0000
IRAK2	rs155584	3	NC	AA	C	0.40	0.83	0.5462	1.0000	C	0.45	1.19	0.4666	1.0000	C	0.40	1.12	0.3236	1.0000	C	0.44	0.86	0.1376	1.0000	C	0.43	0.97	0.7190	1.0000
IRAK2	rs263408	3	NC	AA	G	0.07	5.00	0.0880	1.0000	G	0.07	1.00	1.0000	1.0000	G	0.10	1.21	0.2458	1.0000	G	0.09	0.84	0.3559	1.0000	G	0.08	1.06	0.6400	1.0000
IRAK2	rs263410	3	NC	AA	T	0.21	1.33	0.5120	1.0000	T	0.18	1.04	0.8864	1.0000	T	0.15	1.70	0.1755	1.0000	T	0.13	0.97	0.8095	1.0000	T	0.16	1.05	0.6566	1.0000
IRAK2	rs263412	3	NC	AA	G	0.09	1.20	0.7629	1.0000	G	0.08	0.69	0.3925	1.0000	G	0.11	1.20	0.2920	1.0000	G	0.10	0.76	0.1284	1.0000	G	0.09	0.95	0.6320	1.0000
IRAK2	rs1169674	3	NC	AA	A	0.01	*	0.2390	1.0000	A	0.01	1.33	0.7050	1.0000	A	0.00	*	0.0185	0.7332	A	0.01	0.65	0.2828	1.0000	A	0.01	0.59	0.0996	1.0000
IRAK2	rs459864	3	NC	AA	A	0.20	0.90	0.8185	1.0000	A	0.18	0.88	0.6681	1.0000	A	0.17	0.95	0.7189	1.0000	A	0.14	1.04	0.7550	1.0000	A	0.17	0.98	0.8306	1.0000
IRAK2	rs464286	3	CS	AA	C	0.08	*	0.0039	0.1533	C	0.06	1.00	1.0000	1.0000	C	0.08	1.28	0.1887	1.0000	C	0.07	0.89	0.5601	1.0000	C	0.08	1.13	0.3500	1.0000
IRAK2	rs2302859	3	NC	AA	G	0.30	2.13	0.0687	1.0000	G	0.25	1.11	0.6910	1.0000	G	0.24	1.06	0.6184	1.0000	G	0.22	1.00	0.9983	1.0000	G	0.25	1.07	0.4186	1.0000
IRAK2	rs3844283	3	CNS	AA	G	0.40	0.69	0.2265	1.0000	G	0.43	1.06	0.8137	1.0000	G	0.37	1.16	0.2298	1.0000	G	0.43	1.02	0.8517	1.0000	G	0.41	1.05	0.5266	1.0000
IRAK2	rs779905	3	NC	AA	T	0.21	2.00	0.1533	1.0000	T	0.18	1.04	0.8927	1.0000	T	0.14	0.88	0.3943	1.0000	T	0.13	1.00	0.9755	1.0000	T	0.16	0.98	0.8633	1.0000
IRAK2	rs776514	3	NC	AA	A	0.40	1.16	0.6393	1.0000	A	0.38	0.98	0.9126	1.0000	A	0.47	0.99	0.9075	1.0000	A	0.44	0.97	0.7781	1.0000	A	0.42	0.99	0.8461	1.0000
IRAK2	rs708035	3	CNS	AA	A	0.31	0.90	0.7518	1.0000	A	0.31	1.00	1.0000	1.0000	A	0.39	0.91	0.4243	1.0000	A	0.37	1.01	0.9276	1.0000	A	0.34	0.96	0.6237	1.0000
IRAK2	rs11706450	3	NC	AA	C	0.49	0.80	0.4556	1.0000	T	0.48	0.70	0.1446	1.0000	T	0.52	0.81	0.0786	1.0000	T	0.48	0.93	0.4647	1.0000	T	0.49	0.88	0.0692	1.0000
IRAK2	rs713016	3	NC	AA	A	0.19	2.17	0.1042	1.0000	A	0.16	0.61	0.0993	1.0000	A	0.13	0.84	0.2534	1.0000	A	0.11	0.84	0.2588	1.0000	A	0.14	0.85	0.0945	1.0000
IRAK2	rs11465932	3	NC	AA	T	0.49	0.80	0.4556	1.0000	C	0.48	0.70	0.1446	1.0000	C	0.52	0.79	0.0518	1.0000	C	0.48	0.92	0.4255	1.0000	C	0.49	0.87	0.0491	1.0000
IRAK4	rs10880565	12	NC	AA	C	0.11	0.71	0.5628	1.0000	C	0.12	0.71	0.3162	1.0000	C	0.11	1.19	0.3568	1.0000	C	0.11	0.77	0.1256	1.0000	C	0.11	0.90	0.3535	1.0000
IRAK4	rs4251431	12	NC	AA	T	0.09	0.67	0.5257	1.0000	T	0.11	1.00	1.0000	1.0000	T	0.10	1.24	0.2778	1.0000	T	0.09	0.88	0.4968	1.0000	T	0.10	1.01	0.9286	1.0000
IRAK4	rs1461567	12	NC	AA	A	0.32	0.95	0.8728	1.0000	A	0.27	0.97	0.8981	1.0000	A	0.24	0.95	0.6911	1.0000	A	0.28	0.96	0.7117	1.0000	A	0.28	0.96	0.5660	1.0000
IRAK4	rs4251513	12	NC	AA	G	0.46	1.00	1.0000	1.0000	C	0.51	0.87	0.5223	1.0000	C	0.44	1.04	0.7638	1.0000	G	0.50	1.01	0.9281	1.0000	C	0.50	0.99	0.9214	1.0000
IRAK4	rs4251565	12	NC	AA	C	0.07	1.14	0.7962	1.0000	C	0.06	0.69	0.3925	1.0000	C	0.03	1.16	0.6392	1.0000	C	0.07	1.13	0.5201	1.0000	C	0.06	1.07	0.6222	1.0000
IRAK4	rs6582484	12	NC	AA	G	0.17	1.38	0.4904	1.0000	G	0.17	0.75	0.3165	1.0000	G	0.11	1.44	0.0418	0.6278	G	0.15	1.23	0.1349	1.0000	G	0.16	1.22	0.0437	0.6549
LBP	rs1780616	20	NC	AA	A	0.36	0.65	0.1927	1.0000	A	0.39	1.11	0.6419	1.0000	A	0.36	0.96	0.7108	1.0000	A	0.37	1.16	0.1560	1.0000	A	0.37	1.05	0.5328	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
LBP	rs5741812	20	NC	AA	T	0.16	2.40	0.0848	1.0000	T	0.12	1.29	0.4227	1.0000	T	0.14	0.56	0.1587	1.0000	T	0.12	0.72	0.0395	0.7110	T	0.13	0.84	0.1756	1.0000
LBP	rs2232571	20	NC	AA	C	0.20	1.18	0.6829	1.0000	C	0.17	2.00	0.0292	0.6128						C	0.17	0.83	0.1526	1.0000	C	0.18	0.96	0.7441	1.0000
LBP	rs2232580	20	CNS	AA	T	0.08	7.00	0.0245	0.5137	T	0.06	1.50	0.3157	1.0000	T	0.09	0.81	0.3642	1.0000						T	0.08	1.06	0.7758	1.0000
LBP	rs1609800	20	NC	AA	T	0.40	0.94	0.8618	1.0000	T	0.41	0.88	0.5687	1.0000	T	0.45	1.03	0.7761	1.0000	T	0.44	1.15	0.1675	1.0000	T	0.43	1.07	0.3571	1.0000
LBP	rs6014804	20	NC	AA	G	0.14	3.00	0.0408	0.8560	G	0.12	1.71	0.1027	1.0000	G	0.13	0.90	0.5269	1.0000	G	0.14	0.79	0.1082	1.0000	G	0.14	0.94	0.5414	1.0000
LBP	rs11536949	20	NC	AA	T	0.07	1.67	0.3147	1.0000	T	0.09	2.00	0.1533	1.0000	T	0.07	0.68	0.1009	1.0000	T	0.09	1.12	0.5223	1.0000	T	0.08	1.03	0.8284	1.0000
LBP	rs12624843	20	NC	AA	G	0.59	0.79	0.4453	1.0000	A	0.43	0.67	0.0864	1.0000	A	0.40	0.91	0.4634	1.0000	A	0.40	1.10	0.3518	1.0000	A	0.41	0.99	0.8838	1.0000
LBP	rs1780627	20	NC	AA	A	0.42	0.67	0.2717	1.0000	A	0.42	0.95	0.8185	1.0000	A	0.41	1.04	0.7237	1.0000	A	0.45	1.06	0.5534	1.0000	A	0.43	1.02	0.7294	1.0000
LBP	rs11536988	20	NC	AA	T	0.03	1.00	1.0000	1.0000	T	0.04	1.00	1.0000	1.0000	T	0.03	1.46	0.2240	1.0000						T	0.03	1.30	0.3080	1.0000
LBP	rs2232618	20	CNS	AA	G	0.09	0.71	0.5628	1.0000	G	0.08	1.75	0.1980	1.0000	G	0.07	1.11	0.6546	1.0000	G	0.09	0.75	0.1096	1.0000	G	0.09	0.92	0.5240	1.0000
LBP	rs745144	20	NC	AA	T	0.37	0.41	0.0382	0.8020	T	0.38	0.74	0.2032	1.0000	T	0.39	0.96	0.7189	1.0000	T	0.41	1.03	0.7758	1.0000	T	0.39	0.94	0.4339	1.0000
MYD88	rs156265	3	CNS	AA	C	0.16	0.80	0.6370	1.0000	C	0.14	1.32	0.3650	1.0000	C	0.16	1.13	0.4372	1.0000	C	0.15	0.80	0.1168	1.0000	C	0.15	0.96	0.6989	1.0000
MYD88	rs2239621	3	NC	AA	T	0.26	1.53	0.1927	1.0000	T	0.28	1.00	1.0000	1.0000	T	0.25	0.96	0.7773	1.0000	T	0.26	1.16	0.1845	1.0000	T	0.26	1.09	0.2697	1.0000
MYD88	rs7625290	3	NC	AA	C	0.04	1.50	0.5257	1.0000	C	0.05	1.25	0.7386	1.0000	C	0.04	0.77	0.4223	1.0000	C	0.05	1.09	0.7158	1.0000	C	0.05	1.02	0.9184	1.0000
MYD88	rs6853	3	NC	AA	G	0.11	1.86	0.1764	1.0000	G	0.11	1.10	0.8272	1.0000	G	0.11	0.97	0.8563	1.0000	G	0.12	1.13	0.4103	1.0000	G	0.11	1.10	0.3868	1.0000
MYD88	rs6796045	3	NC	AA	A	0.07	2.00	0.2437	1.0000	A	0.06	0.86	0.7814	1.0000	A	0.07	1.00	1.0000	1.0000	A	0.07	1.11	0.5938	1.0000	A	0.07	1.08	0.5623	1.0000
NFKB1	rs747559	4	NC	AA	G	0.38	0.89	0.7315	1.0000	G	0.41	0.86	0.5349	1.0000	G	0.39	0.96	0.7189	1.0000	G	0.40	0.83	0.0711	1.0000	G	0.40	0.88	0.0799	1.0000
NFKB1	rs3774932	4	NC	AA	G	0.52	0.90	0.7455	1.0000	G	0.55	0.72	0.1621	1.0000	A	0.45	1.06	0.6337	1.0000	A	0.45	1.15	0.1657	1.0000	A	0.46	1.14	0.0778	1.0000
NFKB1	rs3774934	4	NC	AA	A	0.14	0.78	0.6166	1.0000	A	0.12	1.22	0.6545	1.0000	A	0.09	1.37	0.0848	1.0000	A	0.10	1.16	0.4058	1.0000	A	0.11	1.22	0.0936	1.0000
NFKB1	rs1598857	4	NC	AA	T	0.37	0.89	0.7315	1.0000	T	0.40	0.83	0.4599	1.0000	T	0.39	0.93	0.5457	1.0000	T	0.39	0.84	0.0846	1.0000	T	0.39	0.87	0.0602	1.0000
NFKB1	rs1598856	4	NC	AA	T	0.48	1.11	0.7455	1.0000	C	0.55	0.73	0.1678	1.0000	T	0.45	1.07	0.5926	1.0000	T	0.45	1.16	0.1389	1.0000	T	0.46	1.14	0.0626	1.0000
NFKB1	rs230533	4	NC	AA	A	0.34	1.07	0.8527	1.0000	A	0.35	0.88	0.6054	1.0000	A	0.32	0.99	0.9503	1.0000	A	0.34	0.77	0.0131	0.3533	A	0.34	0.86	0.0553	1.0000
NFKB1	rs4647992	4	NC	AA	T	0.04	0.25	0.1650	1.0000	T	0.04	1.14	0.7962	1.0000	T	0.07	0.82	0.4456	1.0000	T	0.04	1.16	0.5651	1.0000	T	0.05	0.95	0.7617	1.0000
NFKB1	rs4648004	4	NC	AA	C	0.33	1.33	0.3972	1.0000	C	0.33	1.33	0.2092	1.0000	C	0.35	0.99	0.9524	1.0000	C	0.34	1.12	0.3008	1.0000	C	0.33	1.10	0.2078	1.0000
NFKB1	rs230510	4	NC	AA	A	0.46	1.23	0.5160	1.0000	A	0.43	1.45	0.1073	1.0000	A	0.44	1.13	0.3153	1.0000	A	0.44	1.17	0.1208	1.0000	A	0.44	1.18	0.0195	0.5276
NFKB1	rs4648022	4	NC	AA	A	0.07	1.17	0.7814	1.0000	A	0.07	0.67	0.3695	1.0000	A	0.08	0.98	0.9223	1.0000	A	0.09	1.23	0.2692	1.0000	A	0.08	1.06	0.6192	1.0000
NFKB1	rs230542	4	NC	AA	T	0.35	1.06	0.8618	1.0000	T	0.37	0.77	0.3090	1.0000	T	0.33	0.96	0.7647	1.0000	T	0.35	0.80	0.0306	0.8274	T	0.35	0.87	0.0503	1.0000
NFKB1	rs1598859	4	NC	AA	C	0.36	1.00	1.0000	1.0000	C	0.38	0.73	0.2104	1.0000	C	0.34	0.93	0.5528	1.0000	C	0.37	0.81	0.0469	1.0000	C	0.37	0.86	0.0337	0.9109
NFKB1	rs11722146	4	NC	AA	A	0.31	0.76	0.4645	1.0000	A	0.34	0.68	0.1263	1.0000	A	0.29	0.97	0.8033	1.0000	A	0.31	0.82	0.0619	1.0000	A	0.31	0.85	0.0382	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
NFKB1	rs4648090	4	NC	AA	A	0.12	2.00	0.0992	1.0000	A	0.11	0.81	0.5771	1.0000	A	0.13	0.97	0.8728	1.0000	A	0.13	1.06	0.6869	1.0000	A	0.13	1.04	0.6712	1.0000
NFKB1	rs4648110	4	NC	AA	T	0.19	1.39	0.3681	1.0000	T	0.18	0.85	0.5714	1.0000	T	0.20	1.00	1.0000	1.0000	T	0.20	1.04	0.7309	1.0000	T	0.19	1.02	0.7834	1.0000
NFKB1	rs230547	4	NC	AA	A	0.12	0.86	0.7814	1.0000	A	0.10	1.67	0.3147	1.0000	A	0.10	1.34	0.1287	1.0000	A	0.09	1.04	0.8370	1.0000	A	0.10	1.18	0.1901	1.0000
NFKB1	rs997476	4	NC	AA	A	0.06	0.71	0.5628	1.0000	A	0.06	1.00	1.0000	1.0000	A	0.07	0.98	0.9136	1.0000	A	0.06	0.93	0.7165	1.0000	A	0.06	0.94	0.6603	1.0000
NFKB2	rs7076748	10	NC	AA	G	0.27	1.39	0.3681	1.0000	G	0.27	1.13	0.6170	1.0000	G	0.27	1.10	0.4225	1.0000	G	0.28	1.07	0.5738	1.0000	G	0.27	1.10	0.2173	1.0000
NFKB2	rs7897947	10	NC	AA	G	0.22	1.17	0.6947	1.0000	G	0.22	1.24	0.4222	1.0000	G	0.22	1.19	0.2004	1.0000	G	0.21	1.00	0.9650	1.0000	G	0.22	1.10	0.2441	1.0000
NFKB2	rs1056890	10	NC	AA	T	0.33	0.78	0.4789	1.0000	T	0.33	0.81	0.4222	1.0000	T	0.29	1.08	0.5502	1.0000	T	0.33	1.19	0.1141	0.6846	T	0.32	1.09	0.2692	1.0000
NFKBIA	rs7152826	14	NC	AA	C	0.42	1.47	0.1879	1.0000	C	0.42	1.77	0.0177	0.3179	C	0.39	1.00	1.0000	1.0000	C	0.39	1.09	0.3966	1.0000	C	0.40	1.12	0.1059	1.0000
NFKBIA	rs3138056	14	NC	AA	A	0.33	1.00	1.0000	1.0000	A	0.34	0.59	0.0253	0.4556	A	0.30	1.08	0.5466	1.0000	A	0.31	0.90	0.3581	1.0000	A	0.32	0.92	0.3004	1.0000
NFKBIA	rs3138055	14	NC	AA	C	0.28	1.29	0.4789	1.0000	C	0.31	1.64	0.0355	0.6385	C	0.26	0.91	0.4207	1.0000	C	0.28	1.17	0.1683	1.0000	C	0.28	1.10	0.2018	1.0000
NFKBIA	rs696	14	NC	AA	T	0.40	1.05	0.8788	1.0000	T	0.37	1.13	0.5830	1.0000	T	0.45	1.10	0.4156	1.0000	T	0.37	0.92	0.4497	1.0000	T	0.39	1.01	0.8430	1.0000
NFKBIA	rs2233419	14	NC	AA	A	0.16	1.08	0.8415	1.0000	A	0.17	0.41	0.0016	0.0294	A	0.14	0.97	0.8597	1.0000	A	0.19	1.04	0.7815	1.0000	A	0.17	0.92	0.3539	1.0000
NFKBIA	rs10782383	14	CS	AA	T	0.19	0.75	0.3972	1.0000	T	0.19	0.46	0.0041	0.0730	T	0.19	1.11	0.4936	1.0000	T	0.22	0.99	0.9213	1.0000	T	0.20	0.93	0.4003	1.0000
NFKBIA	rs1957106	14	CS	AA	A	0.30	1.06	0.8694	1.0000						A	0.32	0.96	0.7638	1.0000	A	0.30	0.99	0.9508	1.0000	A	0.31	0.98	0.8398	1.0000
NFKBIA	rs2233407	14	NC	AA	T	0.06	2.00	0.3127	1.0000	T	0.06	1.11	0.8185	1.0000	T	0.02	1.57	0.3438	1.0000	T	0.06	0.90	0.6382	1.0000	T	0.05	1.06	0.7386	1.0000
NFKBIA	rs3138052	14	NC	AA	G	0.26	0.71	0.3162	1.0000	G	0.25	0.44	0.0017	0.0303											G	0.26	0.53	0.0019	0.0337
NFKBIA	rs3138045	14	NC	AA	G	0.20	0.47	0.0560	1.0000	G	0.20	0.55	0.0343	0.6181	G	0.16	1.26	0.1217	1.0000	G	0.20	0.96	0.7205	1.0000	G	0.19	0.96	0.6700	1.0000
NFKBIB	rs7251489	19	NC	AA	T	0.10	0.83	0.7629	1.0000	T	0.08	0.64	0.2952	1.0000	T	0.07	0.92	0.7254	1.0000	T	0.07	0.99	0.9446	1.0000	T	0.08	0.91	0.4953	1.0000
NFKBIB	rs10410544	19	NC	AA	A	0.37	0.65	0.1683	1.0000	A	0.40	1.38	0.1678	1.0000	A	0.43	0.98	0.8632	1.0000	A	0.48	0.84	0.0768	1.0000	A	0.43	0.92	0.2210	1.0000
NFKBIB	rs4802998	19	NC	AA	G	0.32	0.72	0.2847	1.0000	G	0.35	1.64	0.0355	0.6385	G	0.35	0.94	0.6224	1.0000	G	0.41	0.82	0.0483	0.8703	G	0.37	0.91	0.1993	1.0000
NFKBIB	rs2053071	19	NC	AA	G	0.41	1.00	1.0000	1.0000	G	0.41	0.70	0.1119	1.0000	G	0.40	0.98	0.8575	1.0000	G	0.35	1.22	0.0592	1.0000	G	0.38	1.05	0.4935	1.0000
NFKBIB	rs4803006	19	NC	AA	T	0.32	0.62	0.1210	1.0000	T	0.35	1.57	0.0583	1.0000	T	0.36	0.83	0.1269	1.0000	T	0.40	0.78	0.0178	0.3206	T	0.36	0.84	0.0185	0.3325
NFKBIB	rs2241704	19	NC	AA	T	0.21	1.00	1.0000	1.0000	T	0.21	0.66	0.1138	1.0000	T	0.25	0.98	0.8881	1.0000	T	0.21	1.32	0.0270	0.4867	T	0.21	1.08	0.3572	1.0000
NFKBIB	rs3136641	19	NC	AA	A	0.26	2.30	0.0218	0.3922	A	0.24	0.97	0.8964	1.0000	A	0.24	1.18	0.2222	1.0000	A	0.24	1.06	0.6377	1.0000	A	0.25	1.14	0.1182	1.0000
NFKBIB	rs3136646	19	NC	AA	T	0.22	0.83	0.6013	1.0000	T	0.23	0.88	0.6681	1.0000	T	0.24	0.98	0.8864	1.0000	T	0.22	1.37	0.0104	0.1881	T	0.23	1.13	0.1466	1.0000
NFKBIB	rs9403	19	NC	AA	C	0.58	0.65	0.1683	1.0000	G	0.40	0.66	0.1002	1.0000	G	0.36	1.10	0.4244	1.0000	G	0.33	0.95	0.6237	1.0000	G	0.37	1.00	0.9934	1.0000
NFKBIE	rs13296	6	CS	AA	T	0.33	1.47	0.1879	1.0000	T	0.30	1.07	0.7962	1.0000	T	0.27	0.89	0.3454	1.0000	T	0.31	0.89	0.2724	1.0000	T	0.31	0.93	0.3634	1.0000
NFKBIE	rs1875324	6	CS	AA											T	0.23	0.90	0.4398	1.0000						T	0.23	0.90	0.4398	1.0000
NFKBIE	rs520639	6	NC	AA	A	0.11	1.38	0.4904	1.0000	A	0.12	0.88	0.7149	1.0000	A	0.13	1.06	0.7296	1.0000	A	0.12	1.45	0.0178	0.1990	A	0.12	1.23	0.0580	0.6508

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Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>NFKBIE</i>	rs2282151	6	NC	AA	G	0.23	0.47	0.0560	0.6275	G	0.24	0.84	0.5075	1.0000	G	0.25	0.96	0.7815	1.0000	G	0.23	0.94	0.6212	1.0000	G	0.23	0.91	0.2522	1.0000
<i>NFKBIE</i>	rs730775	6	NC	AA	G	0.41	0.75	0.3972	1.0000	A	0.56	0.56	0.0161	0.1789	G	0.43	0.94	0.5952	1.0000	G	0.42	1.08	0.4346	1.0000	G	0.42	1.06	0.4448	1.0000
<i>NFKBIE</i>	rs483536	6	NC	AA	A	0.36	1.67	0.1551	1.0000	A	0.35	0.60	0.0220	0.2454	A	0.32	0.94	0.6337	1.0000	A	0.36	0.89	0.2592	1.0000	A	0.35	0.89	0.1236	1.0000
<i>TICAM1</i>	rs1046673	19	NC	AA	A	0.14	1.11	0.8185	1.0000	A	0.13	1.11	0.7455	1.0000	A	0.17	0.97	0.8290	1.0000	A	0.15	1.13	0.3900	1.0000	A	0.15	1.05	0.5700	1.0000
<i>TICAM1</i>	rs2292151	19	CS	AA	A	0.26	1.00	1.0000	1.0000	A	0.26	0.69	0.1579	1.0000	A	0.24	1.24	0.1066	0.8460	A	0.24	1.11	0.3608	1.0000	A	0.25	1.10	0.2473	1.0000
<i>TICAM1</i>	rs4807651	19	NC	AA	G	0.38	0.77	0.3757	1.0000	G	0.38	0.84	0.4730	1.0000	G	0.37	0.91	0.4634	1.0000	G	0.38	1.02	0.8342	1.0000	G	0.38	0.95	0.4673	1.0000
<i>TICAM1</i>	rs4807000	19	NC	AA	A	0.38	1.47	0.2484	1.0000	A	0.38	1.05	0.8273	1.0000	A	0.40	1.16	0.2147	1.0000	A	0.40	0.86	0.1607	1.0000	A	0.39	1.01	0.9163	1.0000
<i>TIRAP</i>	rs594318	11	NC	AA						C	0.25	1.93	0.0406	0.9737											C	0.25	1.93	0.0406	0.9737
<i>TIRAP</i>	rs591163	11	NC	AA	T	0.21	0.73	0.4319	1.0000	T	0.20	0.94	0.7962	1.0000	T	0.28	1.02	0.8989	1.0000	T	0.23	0.83	0.1238	1.0000	T	0.22	0.91	0.2286	1.0000
<i>TIRAP</i>	rs672908	11	NC	AA	G	0.21	0.73	0.4319	1.0000	G	0.20	0.90	0.6961	1.0000	G	0.28	1.03	0.7979	1.0000	G	0.23	0.84	0.1409	1.0000	G	0.22	0.91	0.2610	1.0000
<i>TIRAP</i>	rs671492	11	NC	AA	T	0.22	1.50	0.3157	1.0000	T	0.23	1.48	0.1642	1.0000	T	0.21	0.77	0.0866	1.0000	T	0.24	0.99	0.9237	1.0000	T	0.23	0.96	0.6784	1.0000
<i>TIRAP</i>	rs10893493	11	NC	AA	G	0.12	1.10	0.8272	1.0000	G	0.11	0.60	0.2182	1.0000	G	0.10	0.98	0.9165	1.0000	G	0.12	1.08	0.6092	1.0000	G	0.12	1.00	0.9736	1.0000
<i>TIRAP</i>	rs8177352	11	NC	AA	C	0.20	1.13	0.7236	1.0000	C	0.20	0.64	0.1582	1.0000	C	0.24	1.18	0.2180	1.0000	C	0.20	1.11	0.4031	1.0000	C	0.21	1.09	0.2957	1.0000
<i>TIRAP</i>	rs595022	11	NC	AA	A	0.28	0.72	0.3681	1.0000	A	0.29	1.13	0.6170	1.0000	A	0.22	1.04	0.7728	1.0000	A	0.27	1.06	0.6269	1.0000	A	0.27	1.04	0.6370	1.0000
<i>TIRAP</i>	rs646005	11	NC	AA	G	0.35	0.90	0.7518	1.0000	G	0.35	0.89	0.6325	1.0000	A	0.52	0.91	0.4379	1.0000	G	0.40	0.92	0.4177	1.0000	G	0.39	0.98	0.7532	1.0000
<i>TIRAP</i>	rs1392060	11	NC	AA	C	0.12	1.10	0.8272	1.0000	C	0.11	1.15	0.7053	1.0000	C	0.10	0.98	0.9165	1.0000	C	0.13	1.08	0.6227	1.0000	C	0.12	1.06	0.6337	1.0000
<i>TIRAP</i>	rs1893352	11	NC	AA	C	0.14	1.00	1.0000	1.0000	C	0.15	0.87	0.7053	1.0000	C	0.20	1.16	0.3226	1.0000	C	0.17	1.13	0.3649	1.0000	C	0.16	1.12	0.2453	1.0000
<i>TIRAP</i>	rs8177371	11	NC	AA	T	0.12	1.30	0.5310	1.0000	T	0.11	1.15	0.7053	1.0000	T	0.10	0.96	0.8399	1.0000						T	0.11	1.04	0.8059	1.0000
<i>TIRAP</i>	rs12272651	11	NC	AA	G	0.07	1.25	0.7386	1.0000	G	0.07	0.54	0.1764	1.0000	G	0.05	1.17	0.5284	1.0000	G	0.03	0.96	0.8955	1.0000	G	0.05	0.99	0.9394	1.0000
<i>TLR1</i>	rs4543123	4	NC	AA	G	0.23	1.07	0.8575	1.0000	G	0.23	0.58	0.0377	0.3393	G	0.20	0.93	0.6047	1.0000	G	0.21	0.74	0.0156	0.1405	G	0.22	0.79	0.0084	0.0752
<i>TLR1</i>	rs4833095	4	CNS	AA	G	0.28	1.07	0.8575	1.0000	G	0.31	0.89	0.6275	1.0000	G	0.21	0.96	0.7681	1.0000	G	0.22	0.74	0.0175	0.1574	G	0.25	0.85	0.0517	0.4651
<i>TLR1</i>	rs5743611	4	CNS	AA	C	0.09	0.67	0.4370	1.0000	C	0.10	0.56	0.1587	1.0000	C	0.08	0.95	0.8292	1.0000	C	0.09	1.13	0.5115	1.0000	C	0.09	0.96	0.7509	1.0000
<i>TLR1</i>	rs5743594	4	NC	AA	T	0.17	2.00	0.0992	0.8928	T	0.16	1.50	0.1782	1.0000	T	0.22	1.06	0.7116	1.0000	T	0.21	1.08	0.5458	1.0000	T	0.19	1.13	0.1617	1.0000
<i>TLR1</i>	rs5743562	4	NC	AA	C	0.18	0.93	0.8527	1.0000	C	0.18	0.52	0.0224	0.2020	C	0.15	0.89	0.4636	1.0000	C	0.17	0.89	0.3978	1.0000	C	0.17	0.84	0.0680	0.6117
<i>TLR1</i>	rs5743551	4	NC	AA	C	0.28	1.21	0.5897	1.0000	C	0.31	0.86	0.5349	1.0000	C	0.21	0.92	0.5594	1.0000	C	0.22	0.74	0.0153	0.1375	C	0.25	0.83	0.0350	0.3146
<i>TLR1</i>	rs4833103	4	NC	AA	T	0.45	0.59	0.1260	1.0000	T	0.46	0.84	0.4666	1.0000	G	0.47	1.03	0.8185	1.0000	G	0.46	0.86	0.1388	1.0000	G	0.50	0.97	0.7178	1.0000
<i>TLR10</i>	rs10008492	4	NC	AA	T	0.46	0.76	0.4104	1.0000	T	0.47	0.66	0.0781	0.6211	T	0.33	0.97	0.8055	1.0000	T	0.34	0.90	0.3216	1.0000	T	0.40	0.89	0.1137	0.8743
<i>TLR10</i>	rs10776483	4	CS	AA	C	0.21	0.60	0.1551	1.0000	C	0.22	0.41	0.0014	0.0110	C	0.17	0.98	0.8802	1.0000	C	0.19	0.84	0.1788	1.0000	C	0.20	0.80	0.0146	0.1124
<i>TLR10</i>	rs11096957	4	CNS	AA	G	0.36	0.71	0.2731	1.0000	G	0.38	0.48	0.0023	0.0179	G	0.29	0.91	0.4784	1.0000	G	0.32	0.84	0.1067	0.7909	G	0.34	0.81	0.0051	0.0393

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Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
TLR10	rs10856838	4	CS	AA	T	0.20	0.67	0.2717	1.0000	T	0.20	0.58	0.0617	0.4909	T	0.14	0.92	0.6094	1.0000	T	0.15	0.85	0.2440	1.0000	T	0.17	0.82	0.0420	0.3227
TLR10	rs4130727	4	NC	AA	C	0.15	1.10	0.8272	1.0000	C	0.15	0.81	0.5160	1.0000	C	0.12	0.84	0.3442	1.0000	C	0.12	0.88	0.4258	1.0000	C	0.13	0.87	0.2048	1.0000
TLR10	rs10004195	4	NC	AA	T	0.25	1.21	0.5897	1.0000	T	0.24	0.74	0.2483	1.0000	T	0.20	0.92	0.5530	1.0000	T	0.21	0.75	0.0204	0.1515	T	0.23	0.82	0.0261	0.2009
TLR2	rs13150331	4	NC	AA	G	0.44	0.68	0.2484	1.0000	G	0.45	1.17	0.4911	1.0000	G	0.43	0.96	0.7246	1.0000	G	0.40	0.96	0.6836	1.0000	G	0.43	0.96	0.5935	1.0000
TLR2	rs1898830	4	NC	AA	G	0.37	0.95	0.8728	1.0000	G	0.38	1.15	0.5175	1.0000	G	0.33	0.94	0.5939	1.0000	G	0.32	0.94	0.6014	1.0000	G	0.35	0.96	0.6189	1.0000
TLR2	rs4696483	4	NC	AA	T	0.12	1.11	0.8185	1.0000	T	0.13	0.94	0.8575	1.0000	T	0.11	1.26	0.2203	1.0000	T	0.13	1.11	0.5023	1.0000	T	0.12	1.14	0.2317	1.0000
TLR2	rs3804100	4	CS	AA	G	0.08	1.00	1.0000	1.0000	G	0.08	0.94	0.8618	1.0000	G	0.05	1.65	0.0866	1.0000	G	0.07	1.14	0.5163	1.0000	G	0.07	1.20	0.2068	1.0000
TLR2	rs5743704	4	CNS	AA	T	0.03	*	0.0959	1.0000	T	0.04	1.40	0.5628	1.0000	T	0.04	0.86	0.5467	1.0000	T	0.04	0.89	0.6484	1.0000	T	0.04	0.94	0.7044	1.0000
TLR2	rs7656411	4	NC	AA	C	0.26	1.00	1.0000	1.0000	C	0.27	1.09	0.7139	1.0000	C	0.28	0.97	0.8097	1.0000	C	0.27	1.01	0.9091	1.0000	C	0.27	1.00	0.9696	1.0000
TLR2	rs1339	4	CNS	AA	G	0.21	0.75	0.5120	1.0000	G	0.19	0.87	0.5993	1.0000	G	0.22	1.08	0.5734	1.0000	G	0.22	0.94	0.5724	1.0000	G	0.21	0.97	0.7208	1.0000
TLR2	rs2289318	4	NC	AA	C	0.21	1.00	1.0000	1.0000	C	0.21	1.16	0.5860	1.0000	C	0.18	1.00	1.0000	1.0000	C	0.20	1.10	0.4439	1.0000	C	0.20	1.07	0.4696	1.0000
TLR3	rs956239	4	NC	AA	A	0.16	0.80	0.6370	1.0000	A	0.18	1.04	0.8840	1.0000	A	0.19	1.28	0.0950	1.0000	A	0.16	0.74	0.0239	0.4295	A	0.17	0.95	0.6042	1.0000
TLR3	rs6822014	4	NC	AA	C	0.21	1.09	0.8348	1.0000	C	0.19	0.69	0.2265	1.0000	C	0.19	0.90	0.4398	1.0000	C	0.20	1.15	0.3037	1.0000	C	0.20	0.99	0.9145	1.0000
TLR3	rs11721827	4	NC	AA	G	0.15	1.22	0.6545	1.0000	G	0.14	1.25	0.4556	1.0000	G	0.13	1.08	0.6714	1.0000	G	0.16	0.99	0.9183	1.0000	G	0.15	1.05	0.6064	1.0000
TLR3	rs3775296	4	NC	AA	T	0.21	1.20	0.6696	1.0000	T	0.19	0.91	0.7630	1.0000	T	0.19	0.91	0.5254	1.0000	T	0.19	1.12	0.4072	1.0000	T	0.20	1.01	0.8726	1.0000
TLR3	rs3775291	4	CNS	AA	T	0.29	1.06	0.8618	1.0000	T	0.32	0.94	0.8111	1.0000	T	0.29	0.94	0.6197	1.0000	T	0.29	0.79	0.0293	0.5279	T	0.30	0.87	0.0655	1.0000
TLR3	rs10025405	4	NC	AA	G	0.46	1.33	0.3972	1.0000	G	0.44	0.95	0.8161	1.0000	G	0.41	1.09	0.4809	1.0000	G	0.44	0.97	0.7417	1.0000	G	0.44	1.02	0.7596	1.0000
TLR3	rs4862633	4	NC	AA	A	0.22	0.76	0.4645	1.0000	A	0.21	1.47	0.1879	1.0000	A	0.26	1.04	0.7494	1.0000	A	0.24	1.32	0.0187	0.3375	A	0.23	1.18	0.0437	0.7864
TLR3	rs4608848	4	NC	AA	C	0.36	1.00	1.0000	1.0000	C	0.35	1.36	0.1971	1.0000	C	0.36	1.08	0.5457	1.0000	C	0.39	1.23	0.0484	0.8708	C	0.37	1.17	0.0326	0.5868
TLR3	rs1519309	4	NC	AA	G	0.35	0.67	0.2044	1.0000	G	0.34	1.06	0.8137	1.0000	G	0.37	0.98	0.8613	1.0000	G	0.35	1.41	0.0012	0.0220	G	0.35	1.15	0.0602	1.0000
TLR4	rs10759930	9	NC	AA	T	0.42	1.06	0.8694	1.0000	T	0.41	0.85	0.4792	1.0000	T	0.37	1.09	0.4873	1.0000	T	0.38	0.88	0.2113	1.0000	T	0.40	0.95	0.5006	1.0000
TLR4	rs2737191	9	NC	AA	G	0.24	1.39	0.3681	1.0000	G	0.26	1.07	0.7962	1.0000	G	0.26	0.87	0.3082	1.0000	G	0.28	1.01	0.8981	1.0000	G	0.26	0.98	0.8170	1.0000
TLR4	rs2770150	9	NC	AA	G	0.24	1.39	0.3681	1.0000	G	0.26	1.07	0.7962	1.0000	G	0.26	1.32	0.3648	1.0000	G	0.28	1.01	0.8931	1.0000	G	0.26	1.07	0.4663	1.0000
TLR4	rs1927914	9	NC	AA	C	0.34	0.68	0.2874	1.0000	C	0.33	1.15	0.5583	1.0000	C	0.37	1.02	0.8521	1.0000	C	0.34	1.14	0.2293	1.0000	C	0.34	1.07	0.3630	1.0000
TLR4	rs1927911	9	NC	AA	A	0.26	0.57	0.1980	1.0000	A	0.27	1.17	0.5349	1.0000	A	0.27	1.07	0.6330	1.0000	A	0.26	1.26	0.0466	1.0000	A	0.26	1.14	0.1015	1.0000
TLR4	rs11536878	9	NC	AA	T	0.11	0.56	0.2817	1.0000	T	0.12	1.50	0.2351	1.0000	T	0.11	1.08	0.6976	1.0000	T	0.12	1.24	0.1763	1.0000	T	0.12	1.17	0.1761	1.0000
TLR4	rs1927907	9	NC	AA	T	0.15	0.67	0.5257	1.0000	T	0.13	0.89	0.7315	1.0000	T	0.15	0.93	0.6714	1.0000	T	0.14	1.20	0.2202	1.0000	T	0.14	1.04	0.7012	1.0000
TLR4	rs11536889	9	NC	AA	C	0.17	1.00	1.0000	1.0000	C	0.16	0.96	0.8840	1.0000	C	0.17	1.01	0.9397	1.0000	C	0.14	0.77	0.0631	1.0000	C	0.16	0.89	0.2115	1.0000
TLR4	rs7873784	9	NC	AA	C	0.15	0.55	0.2218	1.0000	C	0.15	1.19	0.5551	1.0000	C	0.16	1.01	0.9334	1.0000	C	0.16	1.38	0.0264	0.7163	C	0.15	1.17	0.1218	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>TLR4</i>	rs11536897	9	NC	AA	T	0.03	*	0.0414	1.0000	T	0.05	0.90	0.8185	1.0000	T	0.07	1.03	0.9042	1.0000	T	0.05	1.44	0.0974	1.0000	T	0.05	1.15	0.3615	1.0000
<i>TLR4</i>	rs1927906	9	NC	AA	C	0.10	0.88	0.7962	1.0000	C	0.07	1.30	0.5310	1.0000	C	0.13	0.92	0.6409	1.0000	C	0.10	1.00	0.9827	1.0000	C	0.10	0.98	0.8695	1.0000
<i>TLR4</i>	rs1554973	9	NC	AA	C	0.25	0.68	0.2874	1.0000	C	0.22	1.29	0.3167	1.0000	C	0.29	0.96	0.7366	1.0000	C	0.26	1.23	0.0790	1.0000	C	0.25	1.09	0.2785	1.0000
<i>TLR4</i>	rs913930	9	NC	AA	C	0.29	1.33	0.3972	1.0000	C	0.34	1.03	0.9042	1.0000	C	0.34	0.94	0.6142	1.0000	C	0.36	0.93	0.5239	1.0000	C	0.33	0.96	0.5991	1.0000
<i>TLR4</i>	rs1927905	9	NC	AA	G	0.04	*	0.0414	1.0000	G	0.05	1.00	1.0000	1.0000	G	0.08	1.03	0.9055	1.0000	G	0.06	1.43	0.1025	1.0000	G	0.05	1.16	0.3319	1.0000
<i>TLR4</i>	rs7045953	9	NC	AA	C	0.15	0.55	0.2218	1.0000	C	0.15	1.30	0.3757	1.0000	C	0.16	0.99	0.9338	1.0000	C	0.16	1.35	0.0367	0.9979	C	0.16	1.16	0.1450	1.0000
<i>TLR5</i>	rs2241096	1	NC	AA	A	0.12	0.80	0.6370	1.0000	A	0.11	2.18	0.0262	0.2354	A	0.09	1.35	0.1512	1.0000	A	0.10	1.27	0.1591	1.0000	A	0.10	1.33	0.0142	0.1279
<i>TLR5</i>	rs2096141	1	NC	AA	T	0.45	1.00	1.0000	1.0000	T	0.47	0.93	0.7477	1.0000	T	0.48	0.92	0.4721	1.0000	T	0.47	0.94	0.5707	1.0000	T	0.47	0.94	0.3468	1.0000
<i>TLR5</i>	rs5744105	1	NC	AA	G	0.46	1.19	0.6119	1.0000	G	0.48	0.98	0.9136	1.0000	C	0.50	1.01	0.9129	1.0000	G	0.49	0.92	0.4291	1.0000	G	0.48	0.96	0.5908	1.0000
<i>TLR5</i>	rs5744097	1	NC	AA	A	0.03	1.50	0.5257	1.0000	A	0.03	0.50	0.4097	1.0000	A	0.03	0.68	0.2869	1.0000	A	0.04	1.01	0.9539	1.0000	A	0.03	0.90	0.5865	1.0000
<i>TLR6</i>	rs7696175	4	NC	AA	A	0.40	1.00	1.0000	1.0000	A	0.41	1.14	0.5636	1.0000	A	0.45	0.98	0.8627	1.0000	A	0.45	1.18	0.1094	0.9846	A	0.43	1.09	0.2366	1.0000
<i>TLR6</i>	rs5743810	4	CNS	AA	T	0.35	0.76	0.4645	1.0000	T	0.35	1.00	1.0000	1.0000						T	0.44	1.16	0.1496	1.0000	T	0.40	1.11	0.2640	1.0000
<i>TLR6</i>	rs1039559	4	NC	AA	C	0.44	0.95	0.8759	1.0000	C	0.47	1.23	0.3584	1.0000	T	0.50	0.85	0.5713	1.0000	C	0.49	1.11	0.3150	1.0000	C	0.47	1.12	0.1912	1.0000
<i>TLR6</i>	rs5743806	4	NC	AA	G	0.35	1.05	0.8728	1.0000	G	0.32	1.03	0.9013	1.0000	G	0.34	1.21	0.1254	1.0000	G	0.31	1.02	0.8491	1.0000	G	0.33	1.09	0.2507	1.0000
<i>TLR6</i>	rs5743794	4	NC	AA	A	0.18	1.00	1.0000	1.0000	A	0.19	0.65	0.1220	1.0000	A	0.16	0.83	0.2423	1.0000	A	0.17	0.94	0.6352	1.0000	A	0.18	0.87	0.1243	1.0000
<i>TLR6</i>	rs6531670	4	NC	AA	G	0.35	1.05	0.8728	1.0000	G	0.32	1.06	0.8055	1.0000	G	0.34	1.21	0.1254	1.0000	G	0.31	1.01	0.9070	1.0000	G	0.33	1.09	0.2562	1.0000
<i>TLR9</i>	rs352163	3	NC	AA	G	0.49	1.11	0.7518	1.0000	G	0.46	1.21	0.3880	1.0000	G	0.44	1.29	0.0349	0.2651	G	0.48	0.99	0.8991	1.0000	G	0.47	1.11	0.1313	1.0000
<i>TLR9</i>	rs352140	3	CS	AA	T	0.52	0.86	0.6393	1.0000	C	0.46	1.16	0.5074	1.0000	C	0.43	1.24	0.0723	0.5497	C	0.47	1.04	0.7127	1.0000	C	0.46	1.12	0.1002	0.7647
<i>TLR9</i>	rs187084	3	NC	AA	G	0.39	0.77	0.4227	1.0000	G	0.42	0.90	0.6547	1.0000	G	0.42	0.77	0.0329	0.2501	G	0.39	0.99	0.9263	1.0000	G	0.40	0.89	0.0963	0.7349
<i>TLR9</i>	rs352143	3	CS	AA	G	0.19	0.79	0.5480	1.0000	G	0.19	0.84	0.6119	1.0000	G	0.21	0.84	0.2114	1.0000	G	0.21	1.20	0.1336	1.0000	G	0.20	1.00	0.9907	1.0000
<i>TLR9</i>	rs11717574	3	NC	AA	C	0.15	1.22	0.6545	1.0000	C	0.14	0.87	0.7053	1.0000	C	0.15	1.05	0.7562	1.0000	C	0.16	0.98	0.8573	1.0000	C	0.15	1.01	0.9482	1.0000
<i>TOLLIP</i>	rs3750919	11	NC	AA	A	0.24	1.07	0.8575	1.0000	A	0.21	0.92	0.7773	1.0000	A	0.23	1.00	1.0000	1.0000	A	0.23	1.15	0.2348	1.0000	A	0.23	1.07	0.4357	1.0000
<i>TOLLIP</i>	rs5744038	11	NC	AA	C	0.06	1.67	0.4772	1.0000	C	0.06	1.43	0.4657	1.0000	C	0.03	1.69	0.1096	1.0000	C	0.07	1.32	0.1705	1.0000	C	0.06	1.43	0.0249	1.0000
<i>TOLLIP</i>	rs3829223	11	NC	AA						G	0.47	1.10	0.7008	1.0000	G	0.45	1.18	0.1455	1.0000	G	0.48	1.26	0.0214	0.8433	G	0.47	1.21	0.0073	0.3118
<i>TOLLIP</i>	rs3793964	11	NC	AA	A	0.40	0.95	0.8694	1.0000	A	0.35	0.83	0.5462	1.0000	A	0.36	1.08	0.5175	1.0000	A	0.37	1.17	0.1429	1.0000	A	0.37	1.10	0.2108	1.0000
<i>TOLLIP</i>	rs3793966	11	NC	AA											G	0.45	1.16	0.1987	1.0000						G	0.45	1.16	0.1987	1.0000
<i>TOLLIP</i>	rs3750920	11	CS	AA	T	0.41	1.19	0.6119	1.0000	T	0.45	0.76	0.3010	1.0000	C	0.51	0.94	0.6276	1.0000						T	0.44	1.02	0.8756	1.0000
<i>TOLLIP</i>	rs5743961	11	NC	AA	T	0.04	0.50	0.4097	1.0000	T	0.06	0.71	0.5628	1.0000	T	0.05	0.65	0.1285	1.0000	T	0.05	0.70	0.1238	1.0000	T	0.05	0.67	0.0187	0.7985
<i>TOLLIP</i>	rs5743955	11	NC	AA	T	0.04	0.63	0.4033	1.0000	T	0.03	1.40	0.5628	1.0000	T	0.05	0.70	0.1427	1.0000	T	0.05	0.82	0.3952	1.0000	T	0.05	0.78	0.1147	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
TOLLIP	rs5743942	11	NC	AA	C	0.47	0.68	0.2484	1.0000	C	0.51	1.11	0.6910	1.0000	C	0.50	0.91	0.3738	1.0000						C	0.49	0.91	0.3277	1.0000
TOLLIP	rs11042484	11	NC	AA	A	0.09	0.67	0.4370	1.0000	A	0.08	1.33	0.4489	1.0000	A	0.06	0.97	0.9093	1.0000	A	0.08	1.30	0.1782	1.0000	A	0.08	1.13	0.3539	1.0000
TOLLIP	rs5743925	11	NC	AA	C	0.01	*	0.0959	1.0000	C	0.01	1.00	1.0000	1.0000	C	0.02	0.83	0.6694	1.0000	C	0.01	0.65	0.4494	1.0000	C	0.01	0.70	0.2804	1.0000
TOLLIP	rs5743915	11	NC	AA	G	0.57	0.65	0.1683	1.0000	A	0.41	0.97	0.9081	1.0000	A	0.41	0.65	0.1683	1.0000	A	0.42	1.10	0.3627	1.0000	A	0.42	1.06	0.4726	1.0000
TOLLIP	rs5743900	11	NC	AA	G	0.19	1.33	0.4489	1.0000	G	0.15	1.05	0.8788	1.0000	G	0.21	0.93	0.6196	1.0000	G	0.20	1.18	0.2014	1.0000	G	0.19	1.07	0.4267	1.0000
TOLLIP	rs5743899	11	NC	AA	C	0.20	0.91	0.8272	1.0000	C	0.21	1.17	0.5714	1.0000	C	0.15	1.20	0.2763	1.0000	C	0.19	0.95	0.6821	1.0000	C	0.19	1.04	0.6478	1.0000
TOLLIP	rs5743894	11	NC	AA	C	0.14	1.42	0.3520	1.0000	C	0.15	0.81	0.4747	1.0000	C	0.19	1.02	0.8902	1.0000	C	0.18	0.98	0.8896	1.0000	C	0.17	1.00	0.9972	1.0000
TOLLIP	rs5743890	11	NC	AA	C	0.11	1.60	0.4033	1.0000	C	0.15	0.89	0.7315	1.0000	C	0.16	0.98	0.8802	1.0000	C	0.16	0.77	0.0560	1.0000	C	0.15	0.88	0.1640	1.0000
TOLLIP	rs5743867	11	NC	AA	G	0.10	0.80	0.7386	1.0000	G	0.09	0.69	0.3345	1.0000	G	0.07	1.53	0.0673	1.0000	G	0.07	0.80	0.2559	1.0000	G	0.08	0.99	0.9205	1.0000
TOLLIP	rs5743856	11	NC	AA	G	0.03	1.00	1.0000	1.0000	G	0.03	2.00	0.4097	1.0000	G	0.02	1.66	0.1887	1.0000	G	0.03	1.82	0.0485	1.0000	G	0.03	1.72	0.0149	0.6334
TOLLIP	rs5743854	11	NC	AA	G	0.13	1.20	0.7629	1.0000	G	0.11	0.83	0.6013	1.0000	G	0.09	1.60	0.0219	0.8701	G	0.10	1.03	0.8428	1.0000	G	0.11	1.18	0.1662	1.0000
TOLLIP	rs5743851	11	NC	AA	C	0.08	1.33	0.5923	1.0000	C	0.08	0.93	0.8474	1.0000	C	0.13	1.00	1.0000	1.0000	C	0.08	1.06	0.7406	1.0000	C	0.09	1.03	0.7832	1.0000
TRAF6	rs331463	11	NC	AA	T	0.15	0.82	0.5897	1.0000	T	0.15	1.22	0.5267	1.0000	T	0.15	0.90	0.5134	1.0000	T	0.17	1.16	0.2854	1.0000	T	0.16	1.04	0.6896	1.0000
TRAF6	rs3740961	11	NC	AA	C	0.16	1.57	0.3438	1.0000	C	0.19	1.71	0.1027	1.0000	C	0.13	1.20	0.2825	1.0000	C	0.12	1.09	0.5665	1.0000	C	0.14	1.20	0.0741	1.0000
TRAF6	rs5030472	11	NC	AA	T	0.11	1.18	0.6829	1.0000	T	0.11	1.17	0.6947	1.0000	T	0.13	0.95	0.7917	1.0000	T	0.12	1.23	0.1916	1.0000	T	0.12	1.11	0.3453	1.0000
TRAF6	rs4755453	11	NC	AA	C	0.17	0.85	0.6217	1.0000	C	0.16	1.05	0.8788	1.0000	C	0.15	0.94	0.6860	1.0000	C	0.17	1.14	0.3414	1.0000	C	0.16	1.03	0.7510	1.0000
TRAF6	rs5030419	11	NC	AA	C	0.11	0.60	0.3147	1.0000	C	0.11	0.94	0.8618	1.0000	C	0.13	1.10	0.5929	1.0000	C	0.11	0.84	0.2537	1.0000	C	0.11	0.92	0.4536	1.0000
TRAF6	rs5030416	11	NC	AA	C	0.14	0.78	0.6166	1.0000	C	0.13	1.11	0.7455	1.0000	C	0.14	1.01	0.9304	1.0000	C	0.12	0.81	0.1675	1.0000	C	0.13	0.91	0.3647	1.0000
TRAF6	rs5030411	11	NC	AA	G	0.39	0.60	0.0816	1.0000	G	0.38	0.97	0.9042	1.0000	G	0.42	0.87	0.2287	1.0000	G	0.38	0.99	0.9478	1.0000	G	0.39	0.91	0.2098	1.0000
TRAF6	rs5030489	11	NC	AA	G	0.06	0.50	0.2437	1.0000	G	0.07	1.20	0.6696	1.0000	G	0.08	0.75	0.1280	1.0000						G	0.07	0.78	0.1347	1.0000
TRAF6	rs5030403	11	NC	AA	A	0.13	0.93	0.8527	1.0000	A	0.13	0.82	0.5267	1.0000	A	0.13	0.96	0.8032	1.0000	A	0.14	1.38	0.0326	0.6842	A	0.13	1.11	0.3014	1.0000
TRAF6	rs5030488	11	NC	AA	G	0.09	0.55	0.2218	1.0000	G	0.10	1.14	0.7149	1.0000	G	0.13	0.84	0.2643	1.0000	G	0.10	0.94	0.7185	1.0000	G	0.10	0.88	0.2532	1.0000
TRAF6	rs331455	11	NC	AA	G	0.24	0.67	0.2044	1.0000	G	0.25	1.07	0.7995	1.0000	G	0.27	0.86	0.2064	1.0000	G	0.26	1.12	0.3483	1.0000	G	0.26	0.97	0.6759	1.0000
CD14	rs778583	5	NC	AHR	T	0.26	1.06	0.7606	1.0000	T	0.27	1.05	0.8231	1.0000	T	0.25	0.99	0.9459	1.0000	T	0.28	0.72	0.0079	0.0707	T	0.27	0.89	0.1261	1.0000
CD14	rs778584	5	NC	AHR	A	0.50	0.86	0.3607	1.0000	G	0.51	1.19	0.3795	1.0000	G	0.45	1.07	0.5845	1.0000	A	0.49	1.19	0.1110	0.9990	A	0.50	1.00	0.9925	1.0000
CD14	rs4914	5	CS	AHR	C	0.11	1.39	0.2239	1.0000	C	0.10	0.64	0.1806	1.0000	C	0.11	0.82	0.3163	1.0000	C	0.12	0.90	0.5410	1.0000	C	0.11	0.91	0.3694	1.0000
CD14	rs2569190**	5	NC	AHR	A	0.49	0.86	0.3640	1.0000	G	0.51	1.12	0.5599	1.0000	G	0.45	1.04	0.7605	1.0000	A	0.48	1.22	0.0686	0.2059	A	0.49	1.03	0.6960	1.0000
CD14	rs5744455	5	NC	AHR	T	0.24	1.16	0.4412	1.0000	T	0.23	1.14	0.6113	1.0000	T	0.19	1.15	0.3857	1.0000	T	0.24	1.06	0.6246	1.0000	T	0.23	1.11	0.2017	1.0000
CD14	rs2569193**	5	NC	AHR											A	0.25	0.96	0.7762	1.0000						A	0.25	0.96	0.7762	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>CD14</i>	rs3822356	5	NC	AHR	G	0.24	1.16	0.4369	1.0000	G	0.23	1.14	0.6113	1.0000	G	0.19	1.16	0.3454	1.0000	G	0.23	1.08	0.5688	1.0000	G	0.23	1.12	0.1699	1.0000
<i>CHUK</i>	rs3808916	10	NC	AHR	A	0.08	0.92	0.7680	1.0000	A	0.08	1.54	0.2213	1.0000	A	0.09	1.28	0.2239	1.0000	A	0.06	1.13	0.5929	1.0000	A	0.08	1.19	0.1732	1.0000
<i>CHUK</i>	rs3818411	10	NC	AHR	G	0.50	1.03	0.8711	1.0000	A	0.50	0.92	0.6467	1.0000	G	0.43	1.13	0.3262	1.0000	G	0.47	0.93	0.5091	1.0000	G	0.48	1.02	0.7126	1.0000
<i>CHUK</i>	rs17885986	10	NC	AHR	T	0.07	0.88	0.7236	1.0000	T	0.05	0.92	0.8348	1.0000	T	0.06	0.89	0.6323	1.0000	T	0.06	0.56	0.0150	0.1346	T	0.06	0.76	0.0464	0.5572
<i>CHUK</i>	rs17880383	10	CS	AHR	A	0.05	0.71	0.3520	1.0000	A	0.04	0.25	0.0496	0.5952	A	0.07	1.03	0.9028	1.0000	A	0.06	1.25	0.3179	1.0000	A	0.05	0.99	0.9344	1.0000
<i>CHUK</i>	rs11595324	10	NC	AHR	C	0.04	1.00	1.0000	1.0000	C	0.04	0.50	0.1924	1.0000	C	0.04	1.38	0.3287	1.0000						C	0.04	1.02	0.9115	1.0000
<i>CHUK</i>	rs17885645	10	NC	AHR	C	0.38	1.01	0.9338	1.0000	C	0.38	0.69	0.0711	0.8531	C	0.47	0.81	0.0842	1.0000	C	0.46	1.02	0.8814	1.0000	C	0.43	0.90	0.1453	1.0000
<i>IKBKAP</i>	rs10521090	9	NC	AHR	C	0.29	0.85	0.3689	1.0000	C	0.28	0.91	0.6698	1.0000	C	0.28	1.08	0.5695	1.0000	C	0.31	1.20	0.1107	1.0000	C	0.29	1.06	0.4225	1.0000
<i>IKBKAP</i>	rs1417714	9	NC	AHR	A	0.44	0.79	0.1604	1.0000	A	0.43	1.15	0.4495	1.0000	A	0.38	1.01	0.9528	1.0000	A	0.45	1.07	0.5410	1.0000	A	0.43	1.01	0.9145	1.0000
<i>IKBKAP</i>	rs7872727	9	NC	AHR	G	0.22	0.74	0.1230	1.0000	G	0.23	1.00	1.0000	1.0000	G	0.18	0.85	0.2619	1.0000	G	0.23	0.92	0.5395	1.0000	G	0.22	0.87	0.0955	1.0000
<i>IKBKAP</i>	rs10816750	9	NC	AHR	A	0.17	1.06	0.7630	1.0000	A	0.16	0.72	0.2031	1.0000	A	0.20	0.88	0.4346	1.0000	A	0.16	1.02	0.8740	1.0000	A	0.17	0.94	0.5090	1.0000
<i>IKBKAP</i>	rs1981268	9	NC	AHR	C	0.12	0.60	0.0600	1.0000	C	0.12	1.44	0.2265	1.0000	C	0.11	1.02	0.9237	1.0000						C	0.12	0.95	0.7294	1.0000
<i>IKBKAP</i>	rs4978753	9	NC	AHR	A	0.18	1.06	0.7653	1.0000	A	0.16	0.72	0.2031	1.0000	A	0.20	0.88	0.4346	1.0000	A	0.16	1.05	0.7562	1.0000	A	0.17	0.95	0.5725	1.0000
<i>IKBKAP</i>	rs2275496	9	NC	AHR	A	0.45	0.97	0.8685	1.0000	A	0.45	1.20	0.3444	1.0000	A	0.47	1.08	0.5620	1.0000	A	0.45	0.84	0.1257	1.0000	A	0.46	0.98	0.7420	1.0000
<i>IKBKAP</i>	rs10512388	9	NC	AHR	A	0.11	1.54	0.0740	1.0000	A	0.13	0.90	0.7455	1.0000	A	0.09	0.94	0.7557	1.0000	A	0.12	1.09	0.6315	1.0000	A	0.11	1.10	0.3965	1.0000
<i>IKBKAP</i>	rs4978374	9	NC	AHR	T	0.23	0.73	0.1392	1.0000	T	0.25	1.18	0.4853	1.0000	T	0.23	1.01	0.9423	1.0000	T	0.24	1.08	0.5326	1.0000	T	0.24	1.01	0.9073	1.0000
<i>IKBKAP</i>	rs3780507	9	NC	AHR	C	0.29	1.33	0.0904	1.0000	C	0.28	0.73	0.1734	1.0000	C	0.28	0.91	0.4591	1.0000	C	0.28	1.08	0.5056	1.0000	C	0.28	1.02	0.7639	1.0000
<i>IKBKAP</i>	rs10759326	9	CNS	AHR	C	0.19	1.39	0.1053	1.0000	C	0.18	0.77	0.3356	1.0000	C	0.15	0.96	0.8032	1.0000	C	0.19	1.02	0.8550	1.0000	C	0.19	1.03	0.7009	1.0000
<i>IKBKAP</i>	rs2275632	9	NC	AHR	A	0.06	1.91	0.0746	1.0000	A	0.07	1.00	1.0000	1.0000	A	0.04	1.50	0.2039	1.0000						A	0.06	1.46	0.0653	1.0000
<i>IKBKAP</i>	rs3818932	9	NC	AHR	G	0.30	1.03	0.8608	1.0000	G	0.29	0.93	0.7449	1.0000	G	0.32	1.25	0.1190	1.0000	G	0.28	0.87	0.2563	1.0000	G	0.29	1.01	0.9273	1.0000
<i>IKBKAP</i>	rs838827	9	CNS	AHR	A	0.05	1.38	0.3294	1.0000	A	0.05	0.88	0.7962	1.0000	A	0.05	0.64	0.1052	1.0000	A	0.06	1.25	0.2839	1.0000	A	0.06	1.03	0.8317	1.0000
<i>IKBKAP</i>	rs838825	9	NC	AHR	G	0.17	1.00	1.0000	1.0000	G	0.19	1.39	0.1621	1.0000	G	0.18	1.00	1.0000	1.0000	G	0.19	0.83	0.2015	1.0000	G	0.18	0.98	0.7945	1.0000
<i>IKBKAP</i>	rs838824	9	NC	AHR	T	0.34	1.11	0.5468	1.0000	T	0.33	0.93	0.7505	1.0000	T	0.37	1.06	0.6666	1.0000	T	0.34	0.94	0.6077	1.0000	T	0.35	1.00	0.9690	1.0000
<i>IKBKAP</i>	rs2297579	9	NC	AHR	A	0.09	1.47	0.1879	1.0000	A	0.11	1.00	1.0000	1.0000	A	0.06	1.32	0.2924	1.0000	A	0.08	1.20	0.3583	1.0000	A	0.08	1.24	0.0905	1.0000
<i>IKBKAP</i>	rs838818	9	NC	AHR	G	0.33	0.72	0.0809	1.0000	G	0.34	0.90	0.6001	1.0000	G	0.34	0.86	0.2714	1.0000	G	0.33	1.09	0.4693	1.0000	G	0.33	0.93	0.3050	1.0000
<i>IKBKAP</i>	rs838819	9	NC	AHR	T	0.48	0.74	0.0764	1.0000	C	0.50	0.86	0.4677	1.0000	T	0.50	0.85	0.2166	1.0000	T	0.49	1.01	0.9005	1.0000	T	0.49	0.93	0.2795	1.0000
<i>IKBKAP</i>	rs2289480	9	NC	AHR	C	0.38	1.14	0.4418	1.0000	C	0.39	0.98	0.9174	1.0000	C	0.38	1.34	0.0279	0.9306	C	0.36	0.92	0.4762	1.0000	C	0.37	1.08	0.3041	1.0000
<i>IKBKB</i>	rs3747811	8	NC	AHR	T	0.51	0.94	0.6860	1.0000	A	0.48	0.92	0.6920	1.0000	A	0.47	1.06	0.6051	1.0000	A	0.48	0.71	0.0017	0.0248	A	0.48	0.90	0.1118	1.0000
<i>IKBKB</i>	rs11986055	8	NC	AHR	C	0.06	1.00	1.0000	1.0000	C	0.04	1.75	0.3627	1.0000	C	0.02	1.00	1.0000	1.0000	C	0.04	1.22	0.4523	1.0000	C	0.04	1.16	0.4214	1.0000

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Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>IKBKB</i>	rs5029748	8	NC	AHR	A	0.29	0.95	0.7917	1.0000	A	0.28	1.54	0.0837	1.0000	A	0.27	0.84	0.2047	1.0000	A	0.26	0.74	0.0183	0.2751	A	0.27	0.87	0.0804	1.0000
<i>IKBKB</i>	rs4560769	8	NC	AHR	C	0.09	0.83	0.4999	1.0000	C	0.08	1.27	0.4922	1.0000	C	0.10	1.07	0.7103	1.0000	C	0.09	1.09	0.6620	1.0000	C	0.09	1.05	0.6678	1.0000
<i>IKBKB</i>	rs2272733	8	NC	AHR	A	0.12	0.86	0.5411	1.0000	A	0.12	1.13	0.6681	1.0000	A	0.12	1.18	0.3607	1.0000	A	0.13	1.18	0.3019	1.0000	A	0.12	1.11	0.2925	1.0000
<i>IKBKB</i>	rs17875746	8	NC	AHR	A	0.03	0.60	0.2182	1.0000	A	0.04	1.13	0.8083	1.0000	A	0.09	1.04	0.8399	1.0000	A	0.05	1.00	0.9894	1.0000	A	0.05	0.97	0.8385	1.0000
<i>IKBKB</i>	rs10958713	8	NC	AHR	A	0.37	1.00	1.0000	1.0000	A	0.37	1.21	0.3880	1.0000	A	0.37	0.90	0.3757	1.0000	A	0.36	0.68	0.0011	0.0169	A	0.36	0.86	0.0270	0.4054
<i>IL18</i>	rs543810	11	NC	AHR	C	0.15	0.71	0.1505	1.0000	C	0.13	1.19	0.5551	1.0000	C	0.14	1.12	0.5635	1.0000	C	0.09	1.28	0.1609	1.0000	C	0.12	1.08	0.4677	1.0000
<i>IL18</i>	rs549908	11	CS	AHR	G	0.28	1.54	0.0144	0.1732	G	0.29	1.02	0.9126	1.0000	G	0.30	1.03	0.8386	1.0000	G	0.31	1.02	0.8633	1.0000	G	0.30	1.10	0.1925	1.0000
<i>IL18</i>	rs5744256	11	NC	AHR	C	0.22	0.63	0.0229	0.2743	C	0.24	0.62	0.0456	0.5474	C	0.26	0.85	0.2550	1.0000	C	0.26	0.97	0.8373	1.0000	C	0.25	0.83	0.0178	0.2132
<i>IL18</i>	rs1834481	11	NC	AHR	C	0.22	0.61	0.0317	0.3804	C	0.24	0.65	0.1074	1.0000	C	0.27	0.87	0.4107	1.0000						C	0.24	0.74	0.0142	0.1700
<i>IL18</i>	rs2043055	11	NC	AHR	G	0.37	1.22	0.2218	1.0000	G	0.36	1.21	0.3310	1.0000	G	0.32	1.14	0.3191	1.0000	G	0.38	0.96	0.7466	1.0000	G	0.36	1.09	0.2260	1.0000
<i>IL18</i>	rs360717**	11	NC	AHR	A	0.25	1.33	0.1082	0.3246	A	0.26	1.05	0.8185	1.0000	A	0.27	0.95	0.7282	1.0000						A	0.26	1.08	0.4582	1.0000
<i>IL18</i>	rs1946518	11	NC	AHR	T	0.41	1.05	0.7472	1.0000	T	0.40	1.05	0.8273	1.0000	T	0.43	0.95	0.7065	1.0000	T	0.38	1.04	0.7056	1.0000	T	0.40	1.02	0.8129	1.0000
<i>IL18</i>	rs360712	11	CS	AHR	C	0.24	1.31	0.1402	1.0000	C	0.25	0.97	0.9068	1.0000	C	0.24	0.93	0.6179	1.0000	C	0.26	0.99	0.9565	1.0000	C	0.25	1.02	0.7786	1.0000
<i>IL18BP</i>	rs2276384	11	NC	AHR	C	0.04	0.50	0.1533	1.0000	C	0.04	0.64	0.3438	1.0000	C	0.02	1.08	0.8414	1.0000	C	0.02	0.95	0.9129	1.0000	C	0.03	0.79	0.2941	1.0000
<i>IL18BP</i>	rs3814721	11	NC	AHR	C	0.08	0.59	0.1260	1.0000	C	0.07	0.65	0.2550	1.0000	C	0.06	1.15	0.5989	1.0000	C	0.05	1.19	0.5035	1.0000	C	0.06	0.93	0.6540	1.0000
<i>IL18BP</i>	rs2298455	11	NC	AHR	C	0.12	1.22	0.4057	1.0000	C	0.11	0.92	0.7680	1.0000	C	0.12	1.13	0.5172	1.0000	C	0.12	1.10	0.5618	1.0000	C	0.12	1.11	0.3295	1.0000
<i>IL18BP</i>	rs1573503	11	NC	AHR	A	0.04	0.42	0.0848	0.7526	A	0.03	0.70	0.4657	1.0000	A	0.02	2.06	0.2391	1.0000	A	0.02	1.23	0.6236	1.0000	A	0.03	0.90	0.6520	1.0000
<i>IL18R1</i>	rs13015714	2	NC	AHR	G	0.26	0.94	0.7172	1.0000	G	0.29	0.79	0.3385	1.0000	G	0.22	0.93	0.6028	1.0000	G	0.23	1.10	0.4702	1.0000	G	0.25	0.97	0.7510	1.0000
<i>IL18R1</i>	rs4851567	2	NC	AHR	T	0.09	1.23	0.4747	1.0000																T	0.09	1.22	0.4834	1.0000
<i>IL18R1</i>	rs10170583	2	NC	AHR	A	0.35	1.01	0.9347	1.0000	A	0.32	1.13	0.5830	1.0000	A	0.41	0.78	0.0412	1.0000	A	0.38	0.80	0.0440	1.0000	A	0.36	0.86	0.0275	0.9196
<i>IL18R1</i>	rs10204837	2	NC	AHR	A	0.35	0.99	0.9360	1.0000	A	0.32	1.21	0.3880	1.0000	A	0.41	0.81	0.0796	1.0000	A	0.37	0.79	0.0392	1.0000	A	0.36	0.87	0.0430	1.0000
<i>IL18R1</i>	rs11465567	2	NC	AHR	G	0.10	0.67	0.1367	1.0000	G	0.10	1.12	0.7388	1.0000	G	0.10	1.34	0.1888	1.0000	G	0.10	1.17	0.3887	1.0000	G	0.10	1.09	0.4720	1.0000
<i>IL18R1</i>	rs2287037	2	NC	AHR	A	0.39	1.02	0.8744	1.0000	A	0.39	1.00	1.0000	1.0000	A	0.36	1.42	0.2137	1.0000	A	0.40	1.17	0.1590	1.0000	A	0.39	1.12	0.1496	1.0000
<i>IL18R1</i>	rs11465572	2	NC	AHR	T	0.10	0.70	0.1803	1.0000	T	0.10	1.12	0.7388	1.0000	T	0.10	1.34	0.1888	1.0000	T	0.10	1.17	0.3926	1.0000	T	0.10	1.10	0.4400	1.0000
<i>IL18R1</i>	rs10515921	2	NC	AHR	G	0.12	1.00	1.0000	1.0000	G	0.11	1.36	0.2663	1.0000	G	0.11	0.89	0.5482	1.0000	G	0.15	1.07	0.6527	1.0000	G	0.13	1.04	0.6918	1.0000
<i>IL18R1</i>	rs3771172	2	NC	AHR	T	0.29	1.25	0.2082	1.0000	T	0.29	0.96	0.8312	1.0000	T	0.27	1.20	0.1664	1.0000	T	0.30	1.12	0.3477	1.0000	T	0.29	1.14	0.0706	1.0000
<i>IL18R1</i>	rs1465321	2	NC	AHR	A	0.26	0.98	0.9287	1.0000	A	0.29	0.80	0.3453	1.0000	A	0.22	0.94	0.6564	1.0000	A	0.22	1.12	0.3751	1.0000	A	0.25	1.00	0.9532	1.0000
<i>IL18R1</i>	rs11465597	2	NC	AHR	C	0.10	0.75	0.2842	1.0000	C	0.10	1.29	0.4789	1.0000	C	0.10	1.64	0.0276	0.8345	C	0.10	1.27	0.2004	1.0000	C	0.10	1.23	0.0790	1.0000
<i>IL18R1</i>	rs7579737	2	NC	AHR	G	0.28	0.77	0.1502	1.0000	G	0.27	1.53	0.0456	1.0000	G	0.33	0.89	0.4330	1.0000	G	0.31	0.88	0.2953	1.0000	G	0.30	0.93	0.3315	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>IL18R1</i>	rs6758936	2	NC	AHR	A	0.45	0.82	0.2218	1.0000	A	0.42	1.33	0.1722	1.0000	A	0.50	0.88	0.3067	1.0000	A	0.47	0.84	0.1099	1.0000	A	0.46	0.89	0.0985	1.0000
<i>IL18R1</i>	rs7558013	2	NC	AHR	T	0.19	1.10	0.6255	1.0000	T	0.18	1.76	0.0213	0.6521	T	0.21	0.64	0.0039	0.1168	T	0.24	0.85	0.2049	1.0000	T	0.21	0.89	0.1653	1.0000
<i>IL18R1</i>	rs11465623	2	NC	AHR	A	0.08	0.67	0.1367	1.0000	A	0.08	0.92	0.8415	1.0000	A	0.12	1.45	0.0547	1.0000	A	0.08	1.29	0.2031	1.0000	A	0.09	1.16	0.2238	1.0000
<i>IL18R1</i>	rs3213733	2	NC	AHR	A	0.17	0.84	0.4040	1.0000	A	0.16	0.79	0.3616	1.0000	A	0.17	1.01	0.9324	1.0000	A	0.15	0.79	0.1332	1.0000	A	0.16	0.86	0.1204	1.0000
<i>IL18R1</i>	rs2241116	2	NC	AHR	T	0.21	1.10	0.6222	1.0000	T	0.21	0.78	0.2916	1.0000	T	0.21	1.18	0.2670	1.0000	T	0.23	1.02	0.8874	1.0000	T	0.22	1.04	0.5899	1.0000
<i>IL18RAP</i>	rs1592458	2	NC	AHR	T	0.45	0.83	0.2558	1.0000	T	0.42	1.29	0.2152	1.0000	T	0.50	0.88	0.3067	1.0000	T	0.47	0.84	0.1238	1.0000	T	0.46	0.90	0.1073	1.0000
<i>IL18RAP</i>	rs1807782	2	NC	AHR	G	0.26	0.98	0.9287	1.0000	G	0.29	0.80	0.3453	1.0000	G	0.22	0.95	0.7116	1.0000	G	0.23	1.09	0.4872	1.0000	G	0.25	0.99	0.8958	1.0000
<i>IL18RAP</i>	rs11465670	2	NC	AHR	C	0.12	1.08	0.7290	1.0000	C	0.11	1.45	0.1973	1.0000	C	0.11	0.96	0.8348	1.0000	C	0.15	1.10	0.5388	1.0000	C	0.13	1.10	0.3591	1.0000
<i>IL18RAP</i>	rs1833174	2	NC	AHR	A	0.45	0.83	0.2558	1.0000	A	0.42	1.20	0.3988	1.0000	A	0.50	0.88	0.3049	1.0000	A	0.47	0.85	0.1255	1.0000	A	0.46	0.89	0.0802	1.0000
<i>IL18RAP</i>	rs2293225	2	NC	AHR	A	0.21	1.20	0.3702	1.0000	A	0.21	0.79	0.3385	1.0000	A	0.21	1.18	0.2670	1.0000	A	0.23	1.02	0.8565	1.0000	A	0.22	1.06	0.4405	1.0000
<i>IL18RAP</i>	rs6756407	2	NC	AHR	A	0.08	0.69	0.1723	1.0000	A	0.08	1.00	1.0000	1.0000	A	0.12	1.40	0.0843	1.0000	A	0.08	1.25	0.2751	1.0000	A	0.09	1.14	0.2658	1.0000
<i>IL18RAP</i>	rs3771156	2	NC	AHR	A	0.29	1.27	0.1792	1.0000	A	0.28	0.91	0.6732	1.0000	A	0.27	1.20	0.1532	1.0000	A	0.30	1.13	0.3088	1.0000	A	0.29	1.15	0.0650	1.0000
<i>IL18RAP</i>	rs10176820	2	NC	AHR	G	0.17	0.82	0.3503	1.0000	G	0.16	0.87	0.5928	1.0000	G	0.17	1.03	0.8658	1.0000	G	0.15	0.78	0.1149	1.0000	G	0.16	0.87	0.1445	1.0000
<i>IL18RAP</i>	rs2075186	2	NC	AHR	A	0.17	0.82	0.3451	1.0000	A	0.16	0.76	0.2927	1.0000	A	0.17	1.03	0.8658	1.0000	A	0.15	0.79	0.1298	1.0000	A	0.16	0.86	0.1075	1.0000
<i>IL18RAP</i>	rs11465702	2	NC	AHR	G	0.12	0.79	0.3385	1.0000	G	0.12	0.68	0.1879	1.0000	G	0.15	0.95	0.7917	1.0000	G	0.12	0.79	0.1772	1.0000	G	0.12	0.83	0.0685	1.0000
<i>IL18RAP</i>	rs6748390	2	NC	AHR	C	0.28	0.94	0.7257	1.0000	C	0.26	1.58	0.0433	1.0000	C	0.33	0.84	0.2007	1.0000	C	0.32	0.92	0.4575	1.0000	C	0.30	0.95	0.5108	1.0000
<i>IL18RAP</i>	rs6543135	2	NC	AHR	A	0.19	1.10	0.6222	1.0000	A	0.18	1.76	0.0213	0.5879	A	0.20	0.66	0.0065	0.1988	A	0.24	0.85	0.1953	1.0000	A	0.21	0.90	0.1860	1.0000
<i>IL18RAP</i>	rs11465724	2	NC	AHR	A	0.03	0.88	0.7962	1.0000	A	0.03	0.44	0.1601	1.0000	A	0.03	1.00	1.0000	1.0000	A	0.04	1.23	0.5038	1.0000	A	0.03	0.97	0.8695	1.0000
<i>IL18RAP</i>	rs11465730	2	NC	AHR	C	0.46	1.07	0.6821	1.0000	C	0.45	0.81	0.2872	1.0000	C	0.45	1.20	0.1392	1.0000	C	0.45	0.95	0.6466	1.0000	C	0.45	1.02	0.7424	1.0000
<i>IL18RAP</i>	rs917998	2	NC	AHR	A	0.08	1.17	0.6308	1.0000	A	0.08	1.83	0.0840	1.0000	A	0.10	0.48	0.0006	0.0178	A	0.09	0.58	0.0059	0.1599	A	0.09	0.70	0.0033	0.0907
<i>IL1A</i>	rs2048874	2	NC	AHR	T	0.11	1.44	0.1385	1.0000	T	0.10	1.33	0.3537	1.0000	T	0.15	1.16	0.3942	1.0000	T	0.13	0.85	0.3430	1.0000	T	0.12	1.09	0.4054	1.0000
<i>IL1A</i>	rs4848300	2	NC	AHR	C	0.28	1.19	0.3249	1.0000	C	0.29	1.05	0.8252	1.0000	C	0.30	0.85	0.2414	1.0000	C	0.29	0.78	0.0467	0.5548	C	0.29	0.90	0.1617	1.0000
<i>IL1A</i>	rs3783546	2	NC	AHR	G	0.35	0.78	0.1757	1.0000	G	0.35	0.88	0.5359	1.0000	G	0.29	1.03	0.8348	1.0000	G	0.31	1.23	0.0734	0.8715	G	0.32	1.04	0.6355	1.0000
<i>IL1A</i>	rs17561**	2	CNS	AHR	A	0.27	1.16	0.4169	1.0000	A	0.28	1.10	0.6586	1.0000	A	0.30	0.85	0.2414	0.7242	A	0.29	0.78	0.0446	0.1338	A	0.29	0.90	0.1573	0.4719
<i>IL1A</i>	rs1800587	2	NC	AHR	A	0.27	1.17	0.3727	1.0000	A	0.29	1.02	0.9126	1.0000	A	0.30	0.84	0.2137	1.0000	A	0.29	0.78	0.0467	0.5548	A	0.29	0.89	0.1303	1.0000
<i>IL1A</i>	rs3783516	2	NC	AHR	A	0.38	1.07	0.6800	1.0000	A	0.36	1.08	0.6920	1.0000	A	0.41	1.13	0.3536	1.0000	A	0.40	1.01	0.9102	1.0000	A	0.39	1.06	0.3762	1.0000
<i>IL1B</i>	rs3917368	2	NC	AHR	T	0.37	0.85	0.3269	1.0000	T	0.36	0.92	0.6891	1.0000	T	0.36	1.12	0.4096	1.0000	T	0.36	0.89	0.3304	1.0000	T	0.36	0.95	0.4483	1.0000
<i>IL1B</i>	rs1143634	2	CS	AHR	A	0.19	1.39	0.1053	0.6318	A	0.21	1.21	0.4123	1.0000	A	0.25	0.84	0.2299	1.0000	A	0.23	0.96	0.7249	1.0000	A	0.22	1.00	0.9807	1.0000
<i>IL1B</i>	rs1143627	2	NC	AHR	G	0.37	1.23	0.2261	1.0000	G	0.38	1.08	0.6949	1.0000	G	0.27	1.10	0.5169	1.0000	G	0.34	1.07	0.5588	1.0000	G	0.35	1.11	0.1711	1.0000

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Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>IL1B</i>	rs16944**	2	NC	AHR	T	0.37	1.22	0.2593	0.7779	T	0.37	1.15	0.4902	1.0000	T	0.27	1.10	0.5169	1.0000	T	0.35	1.06	0.6245	1.0000	T	0.35	1.11	0.1669	0.5007
<i>IL1R1</i>	rs11883987	2	NC	AHR	G	0.40	0.94	0.6821	1.0000	G	0.39	1.02	0.9199	1.0000						G	0.39	0.96	0.7269	1.0000	G	0.39	0.96	0.6677	1.0000
<i>IL1R1</i>	rs1558642	2	NC	AHR	A	0.19	0.86	0.4412	1.0000	A	0.21	1.14	0.5736	1.0000	A	0.21	0.93	0.6414	1.0000	A	0.21	1.09	0.5015	1.0000	A	0.21	1.00	0.9614	1.0000
<i>IL1R1</i>	rs6754776	2	NC	AHR	C	0.14	0.79	0.3314	1.0000	C	0.12	0.85	0.5714	1.0000	C	0.14	1.33	0.1005	1.0000	C	0.13	0.95	0.7682	1.0000	C	0.13	1.02	0.8663	1.0000
<i>IL1R1</i>	rs3917225	2	NC	AHR	G	0.45	1.12	0.4753	1.0000	G	0.47	0.98	0.9199	1.0000	G	0.45	0.98	0.8973	1.0000	G	0.48	1.06	0.5613	1.0000	G	0.47	1.04	0.5646	1.0000
<i>IL1R1</i>	rs2192752	2	NC	AHR	C	0.20	0.85	0.3927	1.0000	C	0.21	1.14	0.5736	1.0000	C	0.21	0.93	0.6414	1.0000	C	0.21	1.09	0.5091	1.0000	C	0.21	1.00	0.9997	1.0000
<i>IL1R1</i>	rs949963	2	NC	AHR	T	0.19	1.25	0.2477	1.0000	T	0.18	1.00	1.0000	1.0000	T	0.17	0.89	0.4636	1.0000	T	0.16	0.75	0.0707	1.0000	T	0.17	0.92	0.3564	1.0000
<i>IL1R1</i>	rs3917243	2	NC	AHR	T	0.47	1.16	0.3395	1.0000	T	0.48	1.02	0.9230	1.0000	T	0.47	0.97	0.8003	1.0000	T	0.49	1.05	0.6249	1.0000	T	0.48	1.04	0.5384	1.0000
<i>IL1R1</i>	rs3917254	2	NC	AHR	A	0.11	0.82	0.4457	1.0000	A	0.10	1.00	1.0000	1.0000	A	0.05	1.51	0.1542	1.0000	A	0.10	0.70	0.0570	1.0000	A	0.09	0.89	0.3160	1.0000
<i>IL1R1</i>	rs3917273	2	NC	AHR	T	0.44	1.10	0.5688	1.0000	T	0.47	0.98	0.9207	1.0000	T	0.39	0.86	0.2049	1.0000	T	0.41	0.84	0.1065	1.0000	T	0.43	0.90	0.1312	1.0000
<i>IL1R1</i>	rs3917285	2	NC	AHR	T	0.09	1.08	0.7855	1.0000	T	0.09	0.64	0.1806	1.0000	T	0.12	1.12	0.5598	1.0000	T	0.08	0.76	0.2075	1.0000	T	0.09	0.92	0.4791	1.0000
<i>IL1R1</i>	rs2228139	2	CNS	AHR	C	0.06	0.95	0.8694	1.0000	C	0.06	1.40	0.4131	1.0000	C	0.08	0.64	0.0479	1.0000	C	0.08	0.75	0.1594	1.0000	C	0.07	0.79	0.0632	1.0000
<i>IL1R1</i>	rs3917289	2	NC	AHR	A	0.07	1.00	1.0000	1.0000	A	0.07	1.46	0.3345	1.0000	A	0.08	0.66	0.0635	1.0000	A	0.09	0.72	0.0946	1.0000	A	0.08	0.80	0.0692	1.0000
<i>IL1R1</i>	rs997049	2	NC	AHR	A	0.38	1.07	0.6758	1.0000	A	0.35	1.04	0.8415	1.0000	A	0.44	1.14	0.2782	1.0000	A	0.41	1.20	0.0990	1.0000	A	0.40	1.14	0.0595	1.0000
<i>IL1R1</i>	rs3917292	2	NC	AHR	A	0.06	1.05	0.8728	1.0000	A	0.06	0.91	0.8272	1.0000	A	0.05	0.89	0.6742	1.0000	A	0.08	0.83	0.3664	1.0000	A	0.06	0.89	0.4124	1.0000
<i>IL1R1</i>	rs3917296	2	NC	AHR	G	0.09	0.97	0.8964	1.0000	G	0.07	0.82	0.5897	1.0000	G	0.08	1.22	0.3761	1.0000	G	0.08	1.02	0.9352	1.0000	G	0.08	1.03	0.7725	1.0000
<i>IL1R1</i>	rs951193	2	NC	AHR	A	0.04	0.83	0.6696	1.0000	A	0.05	0.46	0.1042	1.0000	A	0.03	0.74	0.3413	1.0000	A	0.04	1.34	0.2827	1.0000	A	0.04	0.89	0.5259	1.0000
<i>IL1R1</i>	rs3917304	2	NC	AHR	A	0.32	1.18	0.3362	1.0000	A	0.35	0.74	0.1626	1.0000	A	0.27	0.95	0.6817	1.0000	A	0.27	0.95	0.6978	1.0000	A	0.30	0.96	0.5877	1.0000
<i>IL1R1</i>	rs3917332	2	NC	AHR	A	0.19	0.77	0.1773	1.0000	A	0.18	0.94	0.7995	1.0000	A	0.22	1.10	0.5057	1.0000	A	0.20	1.05	0.6983	1.0000	A	0.19	1.00	0.9553	1.0000
<i>IL1R1</i>	rs1030021	2	NC	AHR	G	0.31	1.10	0.6288	1.0000											G	0.27	0.96	0.7718	1.0000	G	0.28	1.00	0.9876	1.0000
<i>IL1R2</i>	rs740044	2	NC	AHR	A	0.25	0.88	0.5063	1.0000	A	0.26	0.80	0.3107	1.0000	A	0.29	0.76	0.0452	1.0000	A	0.30	1.15	0.2344	1.0000	A	0.28	0.93	0.3458	1.0000
<i>IL1R2</i>	rs4851519	2	NC	AHR	T	0.09	0.88	0.6681	1.0000	T	0.08	1.06	0.8658	1.0000	T	0.07	1.49	0.0970	1.0000	T	0.09	0.77	0.2042	1.0000	T	0.08	1.00	0.9710	1.0000
<i>IL1R2</i>	rs4851522	2	NC	AHR	T	0.14	1.00	1.0000	1.0000	T	0.14	1.14	0.6054	1.0000	T	0.10	1.03	0.9104	1.0000						T	0.13	1.05	0.7282	1.0000
<i>IL1R2</i>	rs757918	2	NC	AHR	G	0.45	1.16	0.3395	1.0000	G	0.44	1.02	0.9244	1.0000	G	0.47	0.74	0.0141	0.3393	G	0.49	1.14	0.2287	1.0000	G	0.47	0.99	0.8423	1.0000
<i>IL1R2</i>	rs4851526	2	NC	AHR	C	0.43	0.96	0.8059	1.0000	C	0.46	0.91	0.6319	1.0000	C	0.44	1.20	0.1376	1.0000	C	0.40	0.99	0.9340	1.0000	C	0.42	1.03	0.6175	1.0000
<i>IL1R2</i>	rs719250	2	NC	AHR	T	0.11	0.62	0.0782	1.0000	T	0.09	1.25	0.4556	1.0000	T	0.08	1.32	0.1992	1.0000	T	0.10	0.73	0.1086	1.0000	T	0.10	0.92	0.4547	1.0000
<i>IL1R2</i>	rs3218848	2	NC	AHR	A	0.42	0.93	0.6800	1.0000																A	0.42	0.94	0.6821	1.0000
<i>IL1R2</i>	rs2110562	2	NC	AHR	T	0.46	1.15	0.3858	1.0000	T	0.44	0.98	0.9237	1.0000	T	0.47	0.76	0.0217	0.5237	C	0.51	0.89	0.3073	1.0000	T	0.47	0.98	0.7560	1.0000
<i>IL1R2</i>	rs3218979	2	NC	AHR	A	0.15	1.09	0.7255	1.0000	A	0.15	1.19	0.5075	1.0000	A	0.11	1.11	0.6115	1.0000	A	0.16	0.96	0.7739	1.0000	A	0.15	1.05	0.6441	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>IL1R2</i>	rs2072473	2	NC	AHR	A	0.13	0.65	0.0947	1.0000	A	0.12	1.00	1.0000	1.0000	A	0.13	1.10	0.6014	1.0000	A	0.14	0.82	0.2164	1.0000	A	0.13	0.89	0.2635	1.0000
<i>IL1R2</i>	rs2072472	2	NC	AHR	C	0.28	0.97	0.8575	1.0000	C	0.32	0.85	0.4579	1.0000	C	0.32	1.22	0.1252	1.0000	C	0.26	0.96	0.7572	1.0000	C	0.29	1.03	0.7094	1.0000
<i>IL1R2</i>	rs7589525	2	NC	AHR	C	0.28	0.97	0.8575	1.0000	C	0.32	0.88	0.5269	1.0000	C	0.33	1.21	0.1426	1.0000	C	0.26	0.97	0.7880	1.0000	C	0.28	1.03	0.6918	1.0000
<i>IL1R2</i>	rs4851531	2	NC	AHR	A	0.42	0.82	0.2187	1.0000	A	0.44	0.84	0.3702	1.0000	G	0.54	0.81	0.0795	1.0000	A	0.40	0.90	0.3246	1.0000	A	0.42	0.97	0.6919	1.0000
<i>IL1R2</i>	rs4851534	2	NC	AHR	A	0.43	1.14	0.4261	1.0000	A	0.41	1.06	0.7675	1.0000	A	0.43	0.76	0.0262	0.6323	A	0.45	1.13	0.2594	1.0000	A	0.43	0.99	0.9362	1.0000
<i>IL1RL1</i>	rs4090473	2	NC	AHR	G	0.48	1.00	1.0000	1.0000	G	0.49	1.12	0.5672	1.0000	G	0.47	0.80	0.0562	1.0000	G	0.49	1.01	0.9541	1.0000	G	0.48	0.95	0.4029	1.0000
<i>IL1RL1</i>	rs950880	2	NC	AHR	A	0.39	1.07	0.6898	1.0000	A	0.39	1.12	0.5562	1.0000	A	0.39	1.26	0.0552	0.9938	A	0.40	1.13	0.2630	1.0000	A	0.39	1.16	0.0319	0.5744
<i>IL1RL1</i>	rs1420089	2	NC	AHR	C	0.09	1.13	0.6681	1.0000	C	0.08	2.00	0.0435	0.7823	C	0.15	0.73	0.0717	1.0000	C	0.11	0.64	0.0158	0.2839	C	0.11	0.83	0.0766	1.0000
<i>IL1RL1</i>	rs1420103	2	NC	AHR	A	0.27	0.91	0.5899	1.0000	A	0.30	0.73	0.1734	1.0000	A	0.22	0.96	0.7643	1.0000	A	0.24	1.11	0.4250	1.0000	A	0.25	0.97	0.7030	1.0000
<i>IL1RL1</i>	rs1041973	2	CNS	AHR	A	0.22	0.80	0.2521	1.0000	A	0.22	0.85	0.4792	1.0000	A	0.24	1.08	0.5772	1.0000						A	0.22	0.95	0.6126	1.0000
<i>IL1RL1</i>	rs6719130	2	NC	AHR	T	0.12	1.12	0.6373	1.0000	T	0.11	1.26	0.4049	1.0000	T	0.12	0.89	0.5522	1.0000	T	0.15	1.18	0.2672	1.0000	T	0.13	1.10	0.3506	1.0000
<i>IL1RL1</i>	rs3771175	2	NC	AHR	A	0.13	0.85	0.4792	1.0000	A	0.12	0.61	0.0881	1.0000	A	0.15	0.97	0.8586	1.0000	A	0.12	0.78	0.1646	1.0000	A	0.13	0.83	0.0659	1.0000
<i>IL1RL1</i>	rs1946131	2	NC	AHR	A	0.10	0.70	0.1803	1.0000	A	0.10	1.12	0.7388	1.0000	A	0.10	1.31	0.2258	1.0000	A	0.10	1.20	0.3169	1.0000	A	0.10	1.10	0.4188	1.0000
<i>IL1RL1</i>	rs1921622	2	NC	AHR	C	0.48	0.92	0.5811	1.0000	C	0.50	0.79	0.2342	1.0000	C	0.52	0.82	0.0878	1.0000	C	0.45	0.83	0.0932	1.0000	C	0.48	0.84	0.0082	0.1472
<i>IL1RN</i>	rs315931	2	NC	AHR	C	0.35	0.97	0.8597	1.0000	C	0.35	0.93	0.6949	1.0000	C	0.28	1.28	0.0577	0.8671	C	0.32	1.02	0.8516	1.0000	C	0.33	1.07	0.3424	1.0000
<i>IL1RN</i>	rs4251961	2	NC	AHR	G	0.32	1.00	1.0000	1.0000	G	0.35	0.96	0.8430	1.0000	G	0.43	0.85	0.1785	1.0000	G	0.38	0.92	0.4645	1.0000	G	0.36	0.91	0.1920	1.0000
<i>IL1RN</i>	rs2637988	2	NC	AHR	C	0.42	0.96	0.8096	1.0000	C	0.43	0.94	0.7582	1.0000	C	0.34	1.14	0.2885	1.0000	C	0.40	1.06	0.5746	1.0000	C	0.40	1.05	0.4640	1.0000
<i>IL1RN</i>	rs3213448	2	NC	AHR	T	0.16	1.00	1.0000	1.0000	T	0.14	1.43	0.2064	1.0000	T	0.10	0.88	0.5061	1.0000	T	0.12	1.08	0.6228	1.0000	T	0.13	1.04	0.6831	1.0000
<i>IL1RN</i>	rs315934	2	NC	AHR	G	0.19	1.02	0.9230	1.0000	G	0.18	1.21	0.4123	1.0000	G	0.18	1.09	0.6170	1.0000	G	0.19	1.03	0.8034	1.0000	G	0.19	1.07	0.4457	1.0000
<i>IL1RN</i>	rs392503**	2	NC	AHR	G	0.27	0.92	0.6467	1.0000	G	0.29	0.78	0.2483	0.7449	G	0.25	1.23	0.1209	0.3627	G	0.28	1.03	0.8252	1.0000	G	0.28	1.03	0.6882	1.0000
<i>IL1RN</i>	rs1794067**	2	NC	AHR	A	0.27	0.89	0.5278	1.0000	A	0.29	0.69	0.0739	0.2216	A	0.25	1.24	0.1063	0.3189	A	0.29	1.02	0.8629	1.0000	A	0.28	1.01	0.9145	1.0000
<i>IL1RN</i>	rs598859	2	NC	AHR	T	0.27	0.88	0.4687	1.0000	T	0.29	0.73	0.1392	1.0000	T	0.25	1.24	0.1063	1.0000						T	0.27	1.01	0.9237	1.0000
<i>IL1RN</i>	rs973635	2	NC	AHR	A	0.18	1.03	0.9068	1.0000	A	0.15	1.23	0.4304	1.0000	A	0.11	1.02	0.9257	1.0000	A	0.14	0.97	0.8576	1.0000	A	0.15	1.03	0.7781	1.0000
<i>IL1RN</i>	rs440286**	2	NC	AHR	T	0.25	0.85	0.3969	1.0000	T	0.27	0.75	0.1769	0.5307	T	0.24	1.17	0.2478	0.7434	T	0.28	1.05	0.6999	1.0000	T	0.27	1.00	0.9601	1.0000
<i>IL1RN</i>	rs315952	2	CS	AHR	G	0.32	0.99	0.9314	1.0000	G	0.29	1.13	0.5402	1.0000	G	0.25	1.06	0.6744	1.0000	G	0.28	1.03	0.8015	1.0000	G	0.29	1.04	0.5687	1.0000
<i>IRAK2</i>	rs11465853	3	NC	AHR	G	0.32	0.88	0.4650	1.0000	G	0.34	0.73	0.1270	1.0000	G	0.33	0.94	0.6713	1.0000	G	0.32	0.87	0.2485	1.0000	G	0.33	0.87	0.0676	1.0000
<i>IRAK2</i>	rs708030	3	NC	AHR	G	0.52	0.78	0.1331	1.0000	G	0.48	0.85	0.4139	1.0000	G	0.44	1.23	0.0820	1.0000	G	0.48	1.04	0.7227	1.0000	G	0.48	1.02	0.7453	1.0000
<i>IRAK2</i>	rs2619508	3	NC	AHR	A	0.49	0.85	0.2961	1.0000	C	0.51	0.65	0.0241	0.9402	A	0.42	1.07	0.5597	1.0000	A	0.43	1.02	0.8283	1.0000	A	0.46	1.06	0.4040	1.0000
<i>IRAK2</i>	rs11465861	3	NC	AHR	C	0.19	0.66	0.0336	1.0000	C	0.24	1.45	0.1218	1.0000	C	0.19	1.08	0.5695	1.0000	C	0.20	0.92	0.5286	1.0000	C	0.21	0.97	0.6749	1.0000

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Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
IRAK2	rs1681663	3	NC	AHR	T	0.29	1.02	0.9276	1.0000	T	0.23	1.23	0.3584	1.0000	T	0.24	0.95	0.7216	1.0000	T	0.22	1.11	0.4278	1.0000	T	0.24	1.05	0.5198	1.0000
IRAK2	rs1169670	3	NC	AHR	C	0.34	1.29	0.1331	1.0000	C	0.35	0.82	0.3217	1.0000	C	0.41	0.80	0.0751	1.0000	C	0.39	1.06	0.5752	1.0000	C	0.37	0.97	0.7029	1.0000
IRAK2	rs1177614	3	NC	AHR	C	0.29	1.07	0.7150	1.0000	C	0.24	1.23	0.3646	1.0000	C	0.23	0.96	0.7751	1.0000	C	0.22	1.07	0.6001	1.0000	C	0.24	1.05	0.5234	1.0000
IRAK2	rs155266	3	NC	AHR	T	0.40	0.65	0.0082	0.3202	T	0.44	1.20	0.3702	1.0000	T	0.39	1.53	0.1288	1.0000	T	0.44	0.89	0.3127	1.0000	T	0.43	0.91	0.2171	1.0000
IRAK2	rs1144911	3	NC	AHR	A	0.35	1.30	0.1166	1.0000	A	0.35	0.90	0.6116	1.0000	A	0.40	0.86	0.2354	1.0000	A	0.39	1.08	0.4896	1.0000	A	0.37	1.02	0.7961	1.0000
IRAK2	rs155584	3	NC	AHR	C	0.40	0.66	0.0106	0.4149	C	0.45	1.29	0.2152	1.0000	C	0.40	1.18	0.1800	1.0000	C	0.44	0.88	0.2494	1.0000	C	0.43	0.96	0.5171	1.0000
IRAK2	rs263408	3	NC	AHR	G	0.07	0.50	0.0292	1.0000	G	0.07	0.73	0.4319	1.0000	G	0.10	1.38	0.0826	1.0000	G	0.09	0.80	0.2495	1.0000	G	0.08	0.93	0.5260	1.0000
IRAK2	rs263410	3	NC	AHR	T	0.21	1.31	0.2266	1.0000	T	0.18	0.94	0.8026	1.0000	T	0.15	1.15	0.7053	1.0000	T	0.13	1.13	0.4497	1.0000	T	0.16	1.13	0.2626	1.0000
IRAK2	rs263412	3	NC	AHR	G	0.09	0.73	0.2323	1.0000	G	0.08	0.67	0.3157	1.0000	G	0.11	1.12	0.4955	1.0000	G	0.10	0.81	0.2710	1.0000	G	0.09	0.90	0.3313	1.0000
IRAK2	rs1169674	3	NC	AHR	A	0.01	2.00	0.5599	1.0000	A	0.01	1.33	0.7050	1.0000	A	0.00	*	0.0414	1.0000	A	0.01	0.61	0.3298	1.0000	A	0.01	0.71	0.3630	1.0000
IRAK2	rs459864	3	NC	AHR	A	0.20	1.34	0.1843	1.0000	A	0.18	1.19	0.4730	1.0000	A	0.17	1.03	0.8720	1.0000	A	0.14	1.22	0.1958	1.0000	A	0.17	1.17	0.0918	1.0000
IRAK2	rs464286	3	CS	AHR	C	0.08	0.79	0.3956	1.0000	C	0.06	0.67	0.3695	1.0000	C	0.08	1.26	0.2628	1.0000	C	0.07	0.84	0.4051	1.0000	C	0.08	0.95	0.6668	1.0000
IRAK2	rs2302859	3	NC	AHR	G	0.30	1.07	0.7103	1.0000	G	0.25	1.03	0.9081	1.0000	G	0.24	1.06	0.6871	1.0000	G	0.22	1.07	0.6110	1.0000	G	0.25	1.06	0.4609	1.0000
IRAK2	rs3844283	3	CNS	AHR	G	0.40	0.80	0.1850	1.0000	G	0.43	0.96	0.8348	1.0000	G	0.37	1.18	0.1896	1.0000	G	0.43	0.98	0.8769	1.0000	G	0.41	1.00	0.9948	1.0000
IRAK2	rs779905	3	NC	AHR	T	0.21	1.25	0.3168	1.0000	T	0.18	1.09	0.7179	1.0000	T	0.14	0.82	0.2393	1.0000	T	0.13	1.03	0.8578	1.0000	T	0.16	1.00	0.9908	1.0000
IRAK2	rs776514	3	NC	AHR	A	0.40	1.05	0.7518	1.0000	A	0.38	0.90	0.6116	1.0000	A	0.47	0.96	0.7264	1.0000	A	0.44	0.94	0.5531	1.0000	A	0.42	0.96	0.5500	1.0000
IRAK2	rs708035	3	CNS	AHR	A	0.31	1.14	0.4483	1.0000	A	0.31	0.91	0.6732	1.0000	A	0.39	0.89	0.3717	1.0000	A	0.37	0.98	0.8340	1.0000	A	0.34	0.97	0.6519	1.0000
IRAK2	rs11706450	3	NC	AHR	C	0.49	0.81	0.1799	1.0000	C	0.52	1.00	1.0000	1.0000	T	0.52	0.80	0.0876	1.0000	T	0.48	0.97	0.8010	1.0000	T	0.49	0.97	0.6140	1.0000
IRAK2	rs713016	3	NC	AHR	A	0.19	1.33	0.2312	1.0000	A	0.16	1.04	0.8946	1.0000	A	0.13	0.84	0.3098	1.0000	A	0.11	1.01	0.9304	1.0000	A	0.14	1.00	0.9996	1.0000
IRAK2	rs11465932	3	NC	AHR	T	0.49	0.78	0.1134	1.0000	T	0.52	1.02	0.9165	1.0000	C	0.52	0.79	0.0665	1.0000	C	0.48	0.98	0.8682	1.0000	C	0.49	0.97	0.6531	1.0000
IRAK4	rs10880565	12	NC	AHR	C	0.11	0.80	0.3773	1.0000	C	0.12	0.88	0.6616	1.0000	C	0.11	1.08	0.7002	1.0000	C	0.11	0.67	0.0334	0.5006	C	0.11	0.84	0.1139	1.0000
IRAK4	rs4251431	12	NC	AHR	T	0.09	0.60	0.0816	1.0000	T	0.11	1.06	0.8694	1.0000	T	0.10	1.09	0.6732	1.0000	T	0.09	0.73	0.1209	1.0000	T	0.10	0.85	0.1736	1.0000
IRAK4	rs1461567	12	NC	AHR	A	0.32	0.95	0.7371	1.0000	A	0.27	0.74	0.1626	1.0000	A	0.24	1.11	0.4680	1.0000	A	0.28	0.95	0.6410	1.0000	A	0.28	0.96	0.5750	1.0000
IRAK4	rs4251513	12	NC	AHR	G	0.46	1.09	0.5787	1.0000	C	0.51	0.69	0.0558	0.8377	C	0.44	1.14	0.2886	1.0000	G	0.50	1.03	0.7894	1.0000	C	0.50	0.97	0.6116	1.0000
IRAK4	rs4251565	12	NC	AHR	C	0.07	1.25	0.4556	1.0000	C	0.06	0.71	0.3520	1.0000	C	0.03	0.85	0.6216	1.0000	C	0.07	1.41	0.0806	1.0000	C	0.06	1.15	0.3176	1.0000
IRAK4	rs6582484	12	NC	AHR	G	0.17	0.87	0.5223	1.0000	G	0.17	0.64	0.0892	1.0000	G	0.11	1.53	0.0357	0.5349	G	0.15	1.08	0.6144	1.0000	G	0.16	1.04	0.6712	1.0000
LBP	rs1780616	20	NC	AHR	A	0.36	0.80	0.1543	1.0000	A	0.39	1.33	0.1608	1.0000	A	0.36	1.01	0.9464	1.0000	A	0.37	1.35	0.0077	0.1385	A	0.37	1.12	0.1147	1.0000
LBP	rs5741812	20	NC	AHR	T	0.16	1.46	0.1165	1.0000	T	0.12	1.09	0.7728	1.0000	T	0.14	0.86	0.6947	1.0000	T	0.12	1.05	0.7544	1.0000	T	0.13	1.12	0.3258	1.0000
LBP	rs2232571	20	NC	AHR	C	0.20	1.13	0.5484	1.0000	C	0.17	1.32	0.2927	1.0000						C	0.17	1.04	0.7562	1.0000	C	0.18	1.11	0.3299	1.0000

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					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
LBP	rs2232580	20	CNS	AHR	T	0.08	1.53	0.1683	1.0000	T	0.06	1.31	0.4645	1.0000	T	0.09	0.97	0.9068	1.0000						T	0.08	1.18	0.3202	1.0000
LBP	rs1609800	20	NC	AHR	T	0.40	0.99	0.9368	1.0000	T	0.41	0.80	0.2732	1.0000	T	0.45	0.96	0.7129	1.0000	T	0.44	0.81	0.0570	1.0000	T	0.43	0.88	0.0726	1.0000
LBP	rs6014804	20	NC	AHR	G	0.14	1.26	0.3107	1.0000	G	0.12	1.58	0.0741	1.0000	G	0.13	0.97	0.8628	1.0000	G	0.14	0.99	0.9525	1.0000	G	0.14	1.10	0.3352	1.0000
LBP	rs11536949	20	NC	AHR	T	0.07	1.40	0.2471	1.0000	T	0.09	2.50	0.0100	0.2092	T	0.07	0.63	0.0645	1.0000	T	0.09	1.14	0.4944	1.0000	T	0.08	1.12	0.3463	1.0000
LBP	rs12624843	20	NC	AHR	A	0.41	0.91	0.5739	1.0000	A	0.43	0.89	0.5599	1.0000	A	0.40	0.89	0.3921	1.0000	A	0.40	1.40	0.0025	0.0443	A	0.41	1.07	0.3134	1.0000
LBP	rs1780627	20	NC	AHR	A	0.42	1.01	0.9379	1.0000	A	0.42	0.82	0.3217	1.0000	A	0.41	1.10	0.4477	1.0000	A	0.45	0.78	0.0274	0.4939	A	0.43	0.92	0.2022	1.0000
LBP	rs11536988	20	NC	AHR	T	0.03	0.80	0.5633	1.0000	T	0.04	0.47	0.0845	1.0000	T	0.03	1.62	0.1259	1.0000						T	0.03	0.98	0.9183	1.0000
LBP	rs2232618	20	CNS	AHR	G	0.09	0.86	0.5789	1.0000	G	0.08	1.86	0.0559	1.0000	G	0.07	0.92	0.7254	1.0000	G	0.09	1.02	0.9163	1.0000	G	0.09	1.05	0.7113	1.0000
LBP	rs745144	20	NC	AHR	T	0.37	1.10	0.5609	1.0000	T	0.38	0.87	0.4859	1.0000	T	0.39	1.09	0.5131	1.0000	T	0.41	0.89	0.2945	1.0000	T	0.39	0.98	0.7535	1.0000
MYD88	rs156265	3	CNS	AHR	C	0.16	1.00	1.0000	1.0000	C	0.14	1.03	0.8964	1.0000	C	0.16	1.28	0.1348	1.0000	C	0.15	0.66	0.0101	0.0909	C	0.15	0.94	0.5241	1.0000
MYD88	rs2239621	3	NC	AHR	T	0.26	1.08	0.7029	1.0000	T	0.28	0.84	0.4040	1.0000	T	0.25	0.89	0.4259	1.0000	T	0.26	1.13	0.3057	1.0000	T	0.26	1.00	0.9489	1.0000
MYD88	rs7625290	3	NC	AHR	C	0.04	1.50	0.3157	1.0000	C	0.05	0.73	0.4904	1.0000	C	0.04	0.84	0.5550	1.0000	C	0.05	1.33	0.2365	1.0000	C	0.05	1.11	0.5343	1.0000
MYD88	rs6853	3	NC	AHR	G	0.11	1.00	1.0000	1.0000	G	0.11	0.82	0.5267	1.0000	G	0.11	0.90	0.5773	1.0000	G	0.12	1.35	0.0619	0.5575	G	0.11	1.08	0.4930	1.0000
MYD88	rs6796045	3	NC	AHR	A	0.07	0.80	0.5045	1.0000	A	0.06	0.62	0.2729	1.0000	A	0.07	0.88	0.5735	1.0000	A	0.07	1.35	0.1310	1.0000	A	0.07	1.01	0.9531	1.0000
NFKB1	rs747559	4	NC	AHR	G	0.38	0.95	0.7440	1.0000	G	0.41	1.06	0.7653	1.0000	G	0.39	0.87	0.2711	1.0000	G	0.40	1.00	0.9741	1.0000	G	0.40	0.96	0.5263	1.0000
NFKB1	rs3774932	4	NC	AHR	A	0.48	1.01	0.9368	1.0000	A	0.45	1.05	0.7778	1.0000	A	0.45	1.09	0.4958	1.0000	A	0.45	1.06	0.6203	1.0000	A	0.46	1.06	0.4139	1.0000
NFKB1	rs3774934	4	NC	AHR	A	0.14	1.06	0.8026	1.0000	A	0.12	1.00	1.0000	1.0000	A	0.09	1.28	0.1919	1.0000	A	0.10	1.11	0.5602	1.0000	A	0.11	1.14	0.2238	1.0000
NFKB1	rs1598857	4	NC	AHR	T	0.37	0.94	0.6841	1.0000	T	0.40	0.98	0.9207	1.0000	T	0.39	0.85	0.1768	1.0000	T	0.39	0.98	0.8753	1.0000	T	0.39	0.93	0.2881	1.0000
NFKB1	rs1598856	4	NC	AHR	T	0.48	1.00	1.0000	1.0000	T	0.45	1.06	0.7758	1.0000	T	0.45	1.10	0.4583	1.0000	T	0.45	1.04	0.7422	1.0000	T	0.46	1.05	0.4743	1.0000
NFKB1	rs230533	4	NC	AHR	A	0.34	0.98	0.9304	1.0000	A	0.35	1.07	0.7557	1.0000	A	0.32	0.86	0.2467	1.0000	A	0.34	1.04	0.7369	1.0000	A	0.34	0.97	0.7144	1.0000
NFKB1	rs4647992	4	NC	AHR	T	0.04	0.73	0.4319	1.0000	T	0.04	0.85	0.6829	1.0000	T	0.07	0.97	0.8964	1.0000	T	0.04	0.78	0.3714	1.0000	T	0.05	0.85	0.2895	1.0000
NFKB1	rs4648004	4	NC	AHR	C	0.33	1.01	0.9334	1.0000	C	0.33	1.02	0.9230	1.0000	C	0.35	1.03	0.8033	1.0000	C	0.34	1.03	0.8133	1.0000	C	0.33	1.02	0.7226	1.0000
NFKB1	rs230510	4	NC	AHR	A	0.46	1.04	0.8096	1.0000	A	0.43	1.06	0.7758	1.0000	A	0.44	1.16	0.2409	1.0000	A	0.44	1.07	0.5334	1.0000	A	0.44	1.09	0.2154	1.0000
NFKB1	rs4648022	4	NC	AHR	A	0.07	0.77	0.3757	1.0000	A	0.07	0.61	0.1914	1.0000	A	0.08	0.98	0.9165	1.0000	A	0.09	0.99	0.9696	1.0000	A	0.08	0.90	0.3839	1.0000
NFKB1	rs230542	4	NC	AHR	T	0.35	0.91	0.6014	1.0000	T	0.37	1.04	0.8366	1.0000	T	0.33	0.86	0.2143	1.0000	T	0.35	1.03	0.7753	1.0000	T	0.35	0.95	0.5001	1.0000
NFKB1	rs1598859	4	NC	AHR	C	0.36	0.99	0.9319	1.0000	C	0.38	0.98	0.9174	1.0000	C	0.34	0.82	0.1210	1.0000	C	0.37	1.00	0.9779	1.0000	C	0.37	0.93	0.3332	1.0000
NFKB1	rs11722146	4	NC	AHR	A	0.31	0.96	0.7932	1.0000	A	0.34	0.89	0.5960	1.0000	A	0.29	0.88	0.3335	1.0000	A	0.31	1.15	0.2404	1.0000	A	0.31	0.99	0.9130	1.0000
NFKB1	rs4648090	4	NC	AHR	A	0.12	0.94	0.8111	1.0000	A	0.11	0.88	0.6546	1.0000	A	0.13	0.93	0.6758	1.0000	A	0.13	0.77	0.1124	1.0000	A	0.13	0.87	0.1491	1.0000
NFKB1	rs4648110	4	NC	AHR	T	0.19	0.98	0.9183	1.0000	T	0.18	1.03	0.9013	1.0000	T	0.20	1.04	0.7717	1.0000	T	0.20	0.89	0.3918	1.0000	T	0.19	0.97	0.7226	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
NFKB1	rs230547	4	NC	AHR	A	0.12	1.00	1.0000	1.0000	A	0.10	1.11	0.7455	1.0000	A	0.10	1.16	0.4673	1.0000	A	0.09	1.12	0.5443	1.0000	A	0.10	1.11	0.3751	1.0000
NFKB1	rs997476	4	NC	AHR	A	0.06	1.35	0.3419	1.0000	A	0.06	1.50	0.2717	1.0000	A	0.07	1.16	0.5070	1.0000	A	0.06	1.05	0.8323	1.0000	A	0.06	1.19	0.1933	1.0000
NFKB2	rs7076748	10	NC	AHR	G	0.27	0.93	0.7029	1.0000	G	0.27	1.22	0.3766	1.0000	G	0.27	1.07	0.6314	1.0000	G	0.28	1.08	0.5161	1.0000	G	0.27	1.07	0.4038	1.0000
NFKB2	rs7897947	10	NC	AHR	G	0.22	0.92	0.6766	1.0000	G	0.22	1.56	0.0892	0.5354	G	0.22	1.20	0.2131	1.0000	G	0.21	1.06	0.6640	1.0000	G	0.22	1.12	0.1715	1.0000
NFKB2	rs1056890	10	NC	AHR	T	0.33	1.03	0.8597	1.0000	T	0.33	1.08	0.7290	1.0000	T	0.29	1.15	0.3169	1.0000	T	0.33	1.06	0.6263	1.0000	T	0.32	1.08	0.2984	1.0000
NFKBIA	rs7152826	14	NC	AHR	C	0.42	0.76	0.0891	1.0000	C	0.42	1.11	0.6116	1.0000	C	0.39	1.03	0.8018	1.0000	C	0.39	1.06	0.5871	1.0000	C	0.40	0.99	0.9357	1.0000
NFKBIA	rs3138056	14	NC	AHR	A	0.33	0.85	0.3170	1.0000	A	0.34	0.86	0.4677	1.0000	A	0.30	1.13	0.3935	1.0000	A	0.31	1.02	0.8547	1.0000	A	0.32	0.99	0.8859	1.0000
NFKBIA	rs3138055	14	NC	AHR	C	0.28	0.72	0.0639	1.0000	C	0.31	1.02	0.9165	1.0000	C	0.26	0.99	0.9456	1.0000	C	0.28	1.14	0.2636	1.0000	C	0.28	0.99	0.9226	1.0000
NFKBIA	rs696	14	NC	AHR	T	0.40	1.30	0.0995	1.0000	T	0.37	1.10	0.6255	1.0000	T	0.45	1.06	0.6573	1.0000	T	0.37	0.81	0.0640	1.0000	T	0.39	1.00	0.9912	1.0000
NFKBIA	rs2233419	14	NC	AHR	A	0.16	1.04	0.8366	1.0000	A	0.17	0.76	0.3010	1.0000	A	0.14	0.93	0.7103	1.0000	A	0.19	1.03	0.8278	1.0000	A	0.17	0.97	0.7550	1.0000
NFKBIA	rs10782383	14	CS	AHR	T	0.19	0.94	0.7675	1.0000	T	0.19	0.73	0.1908	1.0000	T	0.19	1.04	0.8096	1.0000	T	0.22	0.92	0.5296	1.0000	T	0.20	0.93	0.3843	1.0000
NFKBIA	rs1957106	14	CS	AHR	A	0.30	1.38	0.0659	1.0000						A	0.32	0.99	0.9475	1.0000	A	0.30	0.82	0.1066	1.0000	A	0.31	0.98	0.7858	1.0000
NFKBIA	rs2233407	14	NC	AHR	T	0.06	0.83	0.6013	1.0000	T	0.06	0.93	0.8527	1.0000	T	0.02	0.89	0.8083	1.0000	T	0.06	1.06	0.7953	1.0000	T	0.05	0.96	0.8183	1.0000
NFKBIA	rs3138052	14	NC	AHR	G	0.26	0.83	0.3088	1.0000	G	0.25	0.70	0.1166	1.0000											G	0.26	0.77	0.0730	1.0000
NFKBIA	rs3138045	14	NC	AHR	G	0.20	0.75	0.1523	1.0000	G	0.20	0.75	0.2560	1.0000	G	0.16	1.21	0.2460	1.0000	G	0.20	0.92	0.5261	1.0000	G	0.19	0.93	0.4223	1.0000
NFKBIB	rs7251489	19	NC	AHR	T	0.10	1.72	0.0617	1.0000	T	0.08	0.95	0.8728	1.0000	T	0.07	0.87	0.5633	1.0000	T	0.07	1.46	0.0750	1.0000	T	0.08	1.21	0.1349	1.0000
NFKBIB	rs10410544	19	NC	AHR	A	0.37	0.87	0.4315	1.0000	A	0.40	1.02	0.9191	1.0000	A	0.43	1.04	0.7180	1.0000	A	0.48	1.03	0.7614	1.0000	A	0.43	1.01	0.9020	1.0000
NFKBIB	rs4802998	19	NC	AHR	G	0.32	0.90	0.5376	1.0000	G	0.35	1.07	0.7531	1.0000	G	0.35	0.97	0.7979	1.0000	G	0.41	1.01	0.9126	1.0000	G	0.37	0.98	0.8305	1.0000
NFKBIB	rs2053071	19	NC	AHR	G	0.41	0.84	0.2681	1.0000	G	0.41	0.98	0.9199	1.0000	G	0.40	0.91	0.4530	1.0000	G	0.35	1.00	0.9914	1.0000	G	0.38	0.94	0.3495	1.0000
NFKBIB	rs4803006	19	NC	AHR	T	0.32	0.88	0.4759	1.0000	T	0.35	1.09	0.6766	1.0000	T	0.36	0.89	0.3699	1.0000	T	0.40	0.94	0.5943	1.0000	T	0.36	0.93	0.3249	1.0000
NFKBIB	rs2241704	19	NC	AHR	T	0.21	0.96	0.8488	1.0000	T	0.21	0.72	0.1477	1.0000	T	0.25	0.93	0.6086	1.0000	T	0.21	0.99	0.9438	1.0000	T	0.21	0.93	0.3451	1.0000
NFKBIB	rs3136641	19	NC	AHR	A	0.26	1.50	0.0314	0.5652	A	0.24	1.02	0.9126	1.0000	A	0.24	1.19	0.2203	1.0000	A	0.24	1.01	0.9128	1.0000	A	0.25	1.14	0.0907	1.0000
NFKBIB	rs3136646	19	NC	AHR	T	0.22	0.83	0.3170	1.0000	T	0.23	1.00	1.0000	1.0000	T	0.24	0.96	0.7681	1.0000	T	0.22	1.03	0.8144	1.0000	T	0.23	0.96	0.6438	1.0000
NFKBIB	rs9403	19	NC	AHR	G	0.42	1.11	0.5468	1.0000	G	0.40	0.86	0.4724	1.0000	G	0.36	1.08	0.5502	1.0000	G	0.33	1.08	0.5274	1.0000	G	0.37	1.05	0.4673	1.0000
NFKBIE	rs13296	6	CS	AHR	T	0.33	1.32	0.0950	1.0000	T	0.30	1.29	0.2629	1.0000	T	0.27	0.87	0.2951	1.0000	T	0.31	0.83	0.1329	1.0000	T	0.31	0.97	0.6815	1.0000
NFKBIE	rs1875324	6	CS	AHR											T	0.23	0.93	0.6510	1.0000						T	0.23	0.93	0.6510	1.0000
NFKBIE	rs520639	6	NC	AHR	A	0.11	1.19	0.4666	1.0000	A	0.12	0.67	0.2717	1.0000	A	0.13	0.98	0.9263	1.0000	A	0.12	0.87	0.4164	1.0000	A	0.12	0.94	0.5759	1.0000
NFKBIE	rs2282151	6	NC	AHR	G	0.23	0.93	0.6949	1.0000	G	0.24	0.90	0.6505	1.0000	G	0.25	1.08	0.6105	1.0000	G	0.23	1.16	0.2638	1.0000	G	0.23	1.05	0.5107	1.0000
NFKBIE	rs730775	6	NC	AHR	G	0.41	1.06	0.7423	1.0000	G	0.44	1.40	0.1150	1.0000	G	0.43	0.98	0.8504	1.0000	G	0.42	0.81	0.0609	0.6819	G	0.42	0.96	0.5326	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>NFKBIE</i>	rs483536	6	NC	AHR	A	0.36	0.81	0.2648	1.0000	A	0.35	0.96	0.8399	1.0000	A	0.32	0.98	0.8510	1.0000	A	0.36	1.10	0.4210	1.0000	A	0.35	0.99	0.9180	1.0000
<i>TICAM1</i>	rs1046673	19	NC	AHR	A	0.14	1.06	0.8161	1.0000	A	0.13	0.77	0.3757	1.0000	A	0.17	1.04	0.8084	1.0000	A	0.15	0.92	0.5712	1.0000	A	0.15	0.96	0.6882	1.0000
<i>TICAM1</i>	rs2292151	19	CS	AHR	A	0.26	1.35	0.0997	0.8007	A	0.26	0.93	0.7357	1.0000	A	0.24	1.00	1.0000	1.0000	A	0.24	1.02	0.8726	1.0000	A	0.25	1.06	0.4834	1.0000
<i>TICAM1</i>	rs4807651	19	NC	AHR	G	0.38	1.16	0.3673	1.0000	G	0.38	0.98	0.9191	1.0000	G	0.37	0.84	0.1829	1.0000	G	0.38	1.06	0.5789	1.0000	G	0.38	1.00	0.9972	1.0000
<i>TICAM1</i>	rs4807000	19	NC	AHR	A	0.38	0.90	0.5135	1.0000	A	0.38	1.08	0.6949	1.0000	A	0.40	1.25	0.0853	0.6766	A	0.40	0.95	0.6403	1.0000	A	0.39	1.04	0.6105	1.0000
<i>TIRAP</i>	rs594318	11	NC	AHR						C	0.25	0.75	0.3165	1.0000											C	0.25	0.75	0.3165	1.0000
<i>TIRAP</i>	rs591163	11	NC	AHR	T	0.21	0.96	0.8415	1.0000	T	0.20	1.13	0.6275	1.0000	T	0.28	1.05	0.6985	1.0000	T	0.23	0.99	0.9543	1.0000	T	0.22	1.02	0.7810	1.0000
<i>TIRAP</i>	rs672908	11	NC	AHR	G	0.21	0.98	0.9199	1.0000	G	0.20	1.09	0.7139	1.0000	G	0.28	1.05	0.6985	1.0000	G	0.23	0.99	0.9473	1.0000	G	0.22	1.02	0.7853	1.0000
<i>TIRAP</i>	rs671492	11	NC	AHR	T	0.22	1.00	1.0000	1.0000	T	0.23	1.30	0.2779	1.0000	T	0.21	0.99	0.9390	1.0000	T	0.24	1.00	0.9739	1.0000	T	0.23	1.03	0.7557	1.0000
<i>TIRAP</i>	rs10893493	11	NC	AHR	G	0.12	1.37	0.2104	1.0000	G	0.11	0.86	0.6308	1.0000	G	0.10	0.98	0.9146	1.0000	G	0.12	1.10	0.5631	1.0000	G	0.12	1.08	0.4794	1.0000
<i>TIRAP</i>	rs8177352	11	NC	AHR	C	0.20	0.76	0.1692	1.0000	C	0.20	1.07	0.7962	1.0000	C	0.24	1.03	0.8393	1.0000	C	0.20	0.76	0.0579	1.0000	C	0.21	0.88	0.1375	1.0000
<i>TIRAP</i>	rs595022	11	NC	AHR	A	0.28	1.21	0.3088	1.0000	A	0.29	0.70	0.1166	1.0000	A	0.22	0.86	0.3483	1.0000	A	0.27	1.17	0.1876	1.0000	A	0.27	1.02	0.7894	1.0000
<i>TIRAP</i>	rs646005	11	NC	AHR	G	0.35	0.85	0.3170	1.0000	G	0.35	1.07	0.7531	1.0000	A	0.52	0.94	0.6250	1.0000	G	0.40	0.80	0.0537	1.0000	G	0.39	0.92	0.2178	1.0000
<i>TIRAP</i>	rs1392060	11	NC	AHR	C	0.12	1.42	0.1647	1.0000	C	0.11	1.29	0.3859	1.0000	C	0.10	0.98	0.9146	1.0000	C	0.13	1.10	0.5458	1.0000	C	0.12	1.14	0.2114	1.0000
<i>TIRAP</i>	rs1893352	11	NC	AHR	C	0.14	0.81	0.3646	1.0000	C	0.15	0.95	0.8788	1.0000	C	0.20	1.04	0.7716	1.0000	C	0.17	0.71	0.0251	0.6026	C	0.16	0.87	0.1183	1.0000
<i>TIRAP</i>	rs8177371	11	NC	AHR	T	0.12	1.58	0.0657	1.0000	T	0.11	1.32	0.3262	1.0000	T	0.10	0.96	0.8366	1.0000						T	0.11	1.21	0.1712	1.0000
<i>TIRAP</i>	rs12272651	11	NC	AHR	G	0.07	0.84	0.5551	1.0000	G	0.07	1.50	0.3157	1.0000	G	0.05	1.00	1.0000	1.0000	G	0.03	1.11	0.7375	1.0000	G	0.05	1.04	0.8033	1.0000
<i>TLR1</i>	rs4543123	4	NC	AHR	G	0.23	1.42	0.0627	0.5639	G	0.23	0.71	0.1257	1.0000	G	0.20	0.86	0.3481	1.0000	G	0.21	0.76	0.0481	0.4325	G	0.22	0.89	0.1454	1.0000
<i>TLR1</i>	rs4833095	4	CNS	AHR	G	0.28	1.46	0.0422	0.3801	G	0.31	0.89	0.5960	1.0000	G	0.21	0.89	0.4372	1.0000	G	0.22	0.78	0.0628	0.5655	G	0.25	0.93	0.3957	1.0000
<i>TLR1</i>	rs5743611	4	CNS	AHR	C	0.09	0.85	0.5714	1.0000	C	0.10	0.84	0.6119	1.0000	C	0.08	0.97	0.9068	1.0000	C	0.09	1.01	0.9660	1.0000	C	0.09	0.94	0.6415	1.0000
<i>TLR1</i>	rs5743594	4	NC	AHR	T	0.17	1.10	0.6662	1.0000	T	0.16	0.97	0.8964	1.0000	T	0.22	0.97	0.8711	1.0000	T	0.21	1.28	0.0594	0.5344	T	0.19	1.12	0.1948	1.0000
<i>TLR1</i>	rs5743562	4	NC	AHR	C	0.18	1.19	0.4090	1.0000	C	0.18	0.74	0.2032	1.0000	C	0.15	0.82	0.2211	1.0000	C	0.17	0.89	0.4144	1.0000	C	0.17	0.89	0.1951	1.0000
<i>TLR1</i>	rs5743551	4	NC	AHR	C	0.28	1.50	0.0249	0.2237	C	0.31	0.88	0.5269	1.0000	C	0.21	0.86	0.3166	1.0000	C	0.22	0.79	0.0764	0.6875	C	0.25	0.94	0.4063	1.0000
<i>TLR1</i>	rs4833103	4	NC	AHR	T	0.45	0.76	0.1308	1.0000	T	0.46	0.96	0.8348	1.0000	G	0.47	0.93	0.5774	1.0000	G	0.46	0.96	0.7011	1.0000	G	0.50	1.01	0.9174	1.0000
<i>TLR10</i>	rs10008492	4	NC	AHR	T	0.46	1.06	0.7316	1.0000	T	0.47	0.90	0.6040	1.0000	T	0.33	0.86	0.2629	1.0000	T	0.34	0.90	0.3629	1.0000	T	0.40	0.92	0.2212	1.0000
<i>TLR10</i>	rs10776483	4	CS	AHR	C	0.21	1.00	1.0000	1.0000	C	0.22	0.71	0.1069	0.8503	C	0.17	0.90	0.4885	1.0000	C	0.19	0.85	0.2305	1.0000	C	0.20	0.87	0.0842	0.6476
<i>TLR10</i>	rs11096957	4	CNS	AHR	G	0.36	1.13	0.4515	1.0000	G	0.38	0.73	0.1230	0.9783	G	0.29	0.84	0.1923	1.0000	G	0.32	0.86	0.1886	1.0000	G	0.34	0.88	0.0821	0.6310
<i>TLR10</i>	rs10856838	4	CS	AHR	T	0.20	1.04	0.8366	1.0000	T	0.20	0.78	0.3167	1.0000	T	0.14	0.87	0.4572	1.0000	T	0.15	0.88	0.4019	1.0000	T	0.17	0.89	0.2381	1.0000
<i>TLR10</i>	rs4130727	4	NC	AHR	C	0.15	1.27	0.2981	1.0000	C	0.15	0.96	0.8864	1.0000	C	0.12	0.75	0.1893	1.0000	C	0.12	0.93	0.6457	1.0000	C	0.13	0.95	0.6135	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
TLR10	rs10004195	4	NC	AHR	T	0.25	1.42	0.0627	0.4916	T	0.24	0.91	0.6662	1.0000	T	0.20	0.85	0.3078	1.0000	T	0.21	0.78	0.0689	0.5108	T	0.23	0.92	0.3205	1.0000
TLR2	rs13150331	4	NC	AHR	G	0.44	1.07	0.6779	1.0000	G	0.45	1.00	1.0000	1.0000	G	0.43	1.05	0.6672	1.0000	G	0.40	0.88	0.2453	1.0000	G	0.43	0.98	0.7589	1.0000
TLR2	rs1898830	4	NC	AHR	G	0.37	1.04	0.8005	1.0000	G	0.38	0.87	0.4902	1.0000	G	0.33	1.02	0.8498	1.0000	G	0.32	0.90	0.3805	1.0000	G	0.35	0.96	0.5692	1.0000
TLR2	rs4696483	4	NC	AHR	T	0.12	1.21	0.4457	1.0000	T	0.13	0.91	0.7576	1.0000	T	0.11	1.22	0.3499	1.0000	T	0.13	1.26	0.1463	1.0000	T	0.12	1.19	0.0982	1.0000
TLR2	rs3804100	4	CS	AHR	G	0.08	0.69	0.2265	1.0000	G	0.08	0.90	0.7455	1.0000	G	0.05	1.00	1.0000	1.0000	G	0.07	0.74	0.1817	1.0000	G	0.07	0.80	0.1201	1.0000
TLR2	rs5743704	4	CNS	AHR	T	0.03	1.08	0.8415	1.0000	T	0.04	2.20	0.1289	1.0000	T	0.04	0.71	0.2463	1.0000	T	0.04	1.26	0.3642	1.0000	T	0.04	1.09	0.6230	1.0000
TLR2	rs7656411	4	NC	AHR	C	0.26	0.82	0.2917	1.0000	C	0.27	1.30	0.2322	1.0000	C	0.28	0.86	0.2388	1.0000	C	0.27	0.92	0.4996	1.0000	C	0.27	0.92	0.2707	1.0000
TLR2	rs1339	4	CNS	AHR	G	0.21	1.04	0.8474	1.0000	G	0.19	1.03	0.9104	1.0000	G	0.22	1.13	0.4106	1.0000	G	0.22	1.13	0.3543	1.0000	G	0.21	1.10	0.2495	1.0000
TLR2	rs2289318	4	NC	AHR	C	0.21	0.91	0.6188	1.0000	C	0.21	1.14	0.6113	1.0000	C	0.18	1.01	0.9347	1.0000	C	0.20	1.11	0.4289	1.0000	C	0.20	1.04	0.6136	1.0000
TLR3	rs956239	4	NC	AHR	A	0.16	0.80	0.3168	1.0000	A	0.18	1.00	1.0000	1.0000	A	0.19	1.21	0.1773	1.0000	A	0.16	0.92	0.5895	1.0000	A	0.17	1.01	0.9070	1.0000
TLR3	rs6822014	4	NC	AHR	C	0.21	1.13	0.5523	1.0000	C	0.19	0.76	0.2927	1.0000	C	0.19	0.85	0.2644	1.0000	C	0.20	1.00	0.9980	1.0000	C	0.20	0.94	0.4668	1.0000
TLR3	rs11721827	4	NC	AHR	G	0.15	0.91	0.7139	1.0000	G	0.14	0.97	0.9013	1.0000	G	0.13	1.16	0.4452	1.0000	G	0.16	1.30	0.0737	1.0000	G	0.15	1.14	0.1709	1.0000
TLR3	rs3775296	4	NC	AHR	T	0.21	1.25	0.2684	1.0000	T	0.19	0.88	0.6113	1.0000	T	0.19	0.85	0.2644	1.0000	T	0.19	0.90	0.4385	1.0000	T	0.20	0.93	0.4157	1.0000
TLR3	rs3775291	4	CNS	AHR	T	0.29	1.13	0.4828	1.0000	T	0.32	1.13	0.5484	1.0000	T	0.29	1.17	0.2349	1.0000	T	0.29	0.98	0.8386	1.0000	T	0.30	1.08	0.2924	1.0000
TLR3	rs10025405	4	NC	AHR	G	0.46	1.12	0.5078	1.0000	G	0.44	1.06	0.7697	1.0000	G	0.41	0.95	0.7054	1.0000	G	0.44	0.99	0.9371	1.0000	G	0.44	1.01	0.9016	1.0000
TLR3	rs4862633	4	NC	AHR	A	0.22	0.95	0.7815	1.0000	A	0.21	0.85	0.4853	1.0000	A	0.26	0.95	0.6844	1.0000	A	0.24	0.97	0.8064	1.0000	A	0.23	0.94	0.4623	1.0000
TLR3	rs4608848	4	NC	AHR	C	0.36	0.99	0.9356	1.0000	C	0.35	0.84	0.3840	1.0000	C	0.36	0.98	0.8498	1.0000	C	0.39	1.03	0.7773	1.0000	C	0.37	0.98	0.7833	1.0000
TLR3	rs1519309	4	NC	AHR	G	0.35	0.97	0.8728	1.0000	G	0.34	0.73	0.1028	1.0000	G	0.37	0.91	0.4277	1.0000	G	0.35	1.08	0.4823	1.0000	G	0.35	0.95	0.5005	1.0000
TLR4	rs10759930	9	NC	AHR	T	0.42	1.01	0.9324	1.0000	T	0.41	1.30	0.1773	1.0000	T	0.37	1.09	0.5149	1.0000	T	0.38	0.85	0.1625	1.0000	T	0.40	1.00	0.9961	1.0000
TLR4	rs2737191	9	NC	AHR	G	0.24	1.26	0.2007	1.0000	G	0.26	0.84	0.3988	1.0000	G	0.26	0.95	0.6858	1.0000	G	0.28	1.23	0.0798	1.0000	G	0.26	1.09	0.2760	1.0000
TLR4	rs2770150	9	NC	AHR	G	0.24	1.30	0.1469	1.0000	G	0.26	0.84	0.3988	1.0000	G	0.26	1.16	0.6392	1.0000	G	0.28	1.24	0.0709	1.0000	G	0.26	1.17	0.0754	1.0000
TLR4	rs1927914	9	NC	AHR	C	0.34	0.77	0.1369	1.0000	C	0.33	0.91	0.6319	1.0000	C	0.37	0.96	0.7523	1.0000	C	0.34	0.97	0.8193	1.0000	C	0.34	0.92	0.2709	1.0000
TLR4	rs1927911	9	NC	AHR	A	0.26	0.77	0.1813	1.0000	A	0.27	0.84	0.3702	1.0000	A	0.27	0.98	0.8892	1.0000	A	0.26	1.11	0.4110	1.0000	A	0.26	0.97	0.6580	1.0000
TLR4	rs11536878	9	NC	AHR	T	0.11	0.85	0.5218	1.0000	T	0.12	0.96	0.8907	1.0000	T	0.11	1.14	0.5268	1.0000	T	0.12	1.18	0.3116	1.0000	T	0.12	1.07	0.5165	1.0000
TLR4	rs1927907	9	NC	AHR	T	0.15	0.69	0.1509	1.0000	T	0.13	0.72	0.2569	1.0000	T	0.15	0.86	0.3907	1.0000	T	0.14	1.01	0.9441	1.0000	T	0.14	0.87	0.1655	1.0000
TLR4	rs11536889	9	NC	AHR	C	0.17	1.00	1.0000	1.0000	C	0.16	1.03	0.9028	1.0000	C	0.17	0.94	0.6935	1.0000	C	0.14	0.97	0.8363	1.0000	C	0.16	0.97	0.7599	1.0000
TLR4	rs7873784	9	NC	AHR	C	0.15	0.71	0.1375	1.0000	C	0.15	0.77	0.2779	1.0000	C	0.16	1.01	0.9319	1.0000	C	0.16	1.19	0.2378	1.0000	C	0.15	0.98	0.8222	1.0000
TLR4	rs11536897	9	NC	AHR	T	0.03	1.30	0.5310	1.0000	T	0.05	0.57	0.1980	1.0000	T	0.07	1.06	0.8136	1.0000	T	0.05	1.14	0.5796	1.0000	T	0.05	1.04	0.7867	1.0000
TLR4	rs1927906	9	NC	AHR	C	0.10	0.86	0.5860	1.0000	C	0.07	1.50	0.2717	1.0000	C	0.13	0.83	0.3308	1.0000	C	0.10	0.83	0.3077	1.0000	C	0.10	0.88	0.2753	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>TLR4</i>	rs1554973	9	NC	AHR	C	0.25	0.71	0.0825	1.0000	C	0.22	0.95	0.8273	1.0000	C	0.29	0.93	0.5772	1.0000	C	0.26	1.03	0.7889	1.0000	C	0.25	0.93	0.3562	1.0000
<i>TLR4</i>	rs913930	9	NC	AHR	C	0.29	1.20	0.3170	1.0000	C	0.34	0.84	0.3702	1.0000	C	0.34	0.97	0.8448	1.0000	C	0.36	1.13	0.2836	1.0000	C	0.33	1.05	0.5193	1.0000
<i>TLR4</i>	rs1927905	9	NC	AHR	G	0.04	1.25	0.5633	1.0000	G	0.05	0.79	0.5480	1.0000	G	0.08	1.08	0.7289	1.0000	G	0.06	1.16	0.5297	1.0000	G	0.05	1.09	0.5521	1.0000
<i>TLR4</i>	rs7045953	9	NC	AHR	C	0.15	0.71	0.1375	1.0000	C	0.15	0.82	0.3990	1.0000	C	0.16	1.00	1.0000	1.0000	C	0.16	1.19	0.2265	1.0000	C	0.16	0.99	0.8764	1.0000
<i>TLR5</i>	rs2241096	1	NC	AHR	A	0.12	0.86	0.5860	1.0000	A	0.11	2.40	0.0028	0.0255	A	0.09	1.20	0.3932	1.0000	A	0.10	0.91	0.6116	1.0000	A	0.10	1.14	0.2630	1.0000
<i>TLR5</i>	rs2096141	1	NC	AHR	T	0.45	0.96	0.8071	1.0000	T	0.47	0.96	0.8445	1.0000	T	0.48	0.83	0.1142	1.0000	T	0.47	1.07	0.5326	1.0000	T	0.47	0.95	0.4897	1.0000
<i>TLR5</i>	rs5744105	1	NC	AHR	G	0.46	1.00	1.0000	1.0000	G	0.48	1.06	0.7630	1.0000	C	0.50	1.11	0.3839	1.0000	G	0.49	1.08	0.4686	1.0000	G	0.48	1.00	0.9647	1.0000
<i>TLR5</i>	rs5744097	1	NC	AHR	A	0.03	1.22	0.6545	1.0000	A	0.03	1.60	0.4033	1.0000	A	0.03	0.73	0.4314	1.0000	A	0.04	1.19	0.5115	1.0000	A	0.03	1.11	0.5812	1.0000
<i>TLR6</i>	rs7696175	4	NC	AHR	A	0.40	0.89	0.4894	1.0000	A	0.41	1.11	0.6079	1.0000	A	0.45	1.05	0.7065	1.0000	A	0.45	1.06	0.5870	1.0000	A	0.43	1.03	0.6510	1.0000
<i>TLR6</i>	rs5743810	4	CNS	AHR	T	0.35	0.86	0.4130	1.0000	T	0.35	1.11	0.6463	1.0000						T	0.44	1.07	0.5601	1.0000	T	0.40	1.02	0.8130	1.0000
<i>TLR6</i>	rs1039559	4	NC	AHR	C	0.44	0.91	0.5609	1.0000	C	0.47	1.13	0.5523	1.0000	T	0.50	0.91	0.7630	1.0000	C	0.49	1.01	0.9184	1.0000	C	0.47	1.01	0.9085	1.0000
<i>TLR6</i>	rs5743806	4	NC	AHR	G	0.35	1.03	0.8648	1.0000	G	0.32	1.00	1.0000	1.0000	G	0.34	1.22	0.1496	1.0000	G	0.31	1.16	0.1952	1.0000	G	0.33	1.13	0.0968	0.8716
<i>TLR6</i>	rs5743794	4	NC	AHR	A	0.18	1.02	0.9165	1.0000	A	0.19	0.75	0.2312	1.0000	A	0.16	0.76	0.0968	0.8712	A	0.17	0.87	0.3504	1.0000	A	0.18	0.84	0.0603	0.5426
<i>TLR6</i>	rs6531670	4	NC	AHR	G	0.35	1.01	0.9319	1.0000	G	0.32	1.04	0.8383	1.0000	G	0.34	1.22	0.1496	1.0000	G	0.31	1.15	0.2358	1.0000	G	0.33	1.13	0.1032	0.9288
<i>TLR9</i>	rs352163	3	NC	AHR	G	0.49	0.95	0.7533	1.0000	G	0.46	1.19	0.3795	1.0000	G	0.44	1.30	0.0315	0.2396	G	0.48	1.10	0.3839	1.0000	G	0.47	1.14	0.0578	0.4407
<i>TLR9</i>	rs352140	3	CS	AHR	C	0.48	0.95	0.7533	1.0000	C	0.46	1.12	0.5562	1.0000	C	0.43	1.24	0.0774	0.5879	C	0.47	1.10	0.3663	1.0000	C	0.46	1.12	0.1074	0.8197
<i>TLR9</i>	rs187084	3	NC	AHR	G	0.39	0.81	0.1910	1.0000	G	0.42	0.75	0.1265	0.9601	G	0.42	0.77	0.0345	0.2618	G	0.39	0.91	0.3750	1.0000	G	0.40	0.82	0.0047	0.0358
<i>TLR9</i>	rs352143	3	CS	AHR	G	0.19	1.14	0.5315	1.0000	G	0.19	1.24	0.4222	1.0000	G	0.21	0.86	0.2666	1.0000	G	0.21	0.98	0.8506	1.0000	G	0.20	0.98	0.7769	1.0000
<i>TLR9</i>	rs11717574	3	NC	AHR	C	0.15	1.50	0.0822	0.6300	C	0.14	1.44	0.2265	1.0000	C	0.15	1.03	0.8720	1.0000	C	0.16	0.89	0.4254	1.0000	C	0.15	1.06	0.5175	1.0000
<i>TOLLIP</i>	rs3750919	11	NC	AHR	A	0.24	0.93	0.7079	1.0000	A	0.21	1.07	0.7962	1.0000	A	0.23	0.97	0.8196	1.0000	A	0.23	0.83	0.1534	1.0000	A	0.23	0.91	0.2657	1.0000
<i>TOLLIP</i>	rs5744038	11	NC	AHR	C	0.06	1.10	0.7576	1.0000	C	0.06	2.17	0.1042	1.0000	C	0.03	1.67	0.1344	1.0000	C	0.07	0.59	0.0365	1.0000	C	0.06	1.01	0.9689	1.0000
<i>TOLLIP</i>	rs3829223	11	NC	AHR						G	0.47	1.06	0.8137	1.0000	G	0.45	1.18	0.1725	1.0000	G	0.48	0.90	0.3214	1.0000	G	0.47	1.02	0.7961	1.0000
<i>TOLLIP</i>	rs3793964	11	NC	AHR	A	0.40	0.93	0.6737	1.0000	A	0.35	0.68	0.1642	1.0000	A	0.36	1.10	0.4531	1.0000	A	0.37	0.94	0.6170	1.0000	A	0.37	0.97	0.6679	1.0000
<i>TOLLIP</i>	rs3793966	11	NC	AHR											G	0.45	1.17	0.1928	1.0000						G	0.45	1.17	0.1928	1.0000
<i>TOLLIP</i>	rs3750920	11	CS	AHR	T	0.41	1.11	0.5838	1.0000	T	0.45	0.84	0.4364	1.0000	T	0.49	0.97	0.7946	1.0000						T	0.44	0.98	0.8110	1.0000
<i>TOLLIP</i>	rs5743961	11	NC	AHR	T	0.04	1.33	0.5120	1.0000	T	0.06	0.86	0.7814	1.0000	T	0.05	0.93	0.7815	1.0000	T	0.05	0.90	0.6906	1.0000	T	0.05	0.96	0.7982	1.0000
<i>TOLLIP</i>	rs5743955	11	NC	AHR	T	0.04	0.79	0.5480	1.0000	T	0.03	0.43	0.1996	1.0000	T	0.05	0.73	0.2095	1.0000	T	0.05	1.07	0.7765	1.0000	T	0.05	0.83	0.2463	1.0000
<i>TOLLIP</i>	rs5743942	11	NC	AHR	C	0.47	1.26	0.1727	1.0000	T	0.49	0.87	0.5583	1.0000	C	0.50	0.89	0.3601	1.0000						C	0.49	1.02	0.7837	1.0000
<i>TOLLIP</i>	rs11042484	11	NC	AHR	A	0.09	1.00	1.0000	1.0000	A	0.08	1.13	0.7236	1.0000	A	0.06	1.00	1.0000	1.0000	A	0.08	1.14	0.5121	1.0000	A	0.08	1.08	0.5765	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 2 Combined Analysis

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>TOLLIP</i>	rs5743925	11	NC	AHR	C	0.01	*	0.0085	0.3333	C	0.01	1.00	1.0000	1.0000	C	0.02	0.90	0.8185	1.0000	C	0.01	0.88	0.8419	1.0000	C	0.01	0.68	0.2651	1.0000
<i>TOLLIP</i>	rs5743915	11	NC	AHR	A	0.43	0.88	0.4202	1.0000	A	0.41	0.93	0.6976	1.0000	A	0.41	0.56	0.0555	1.0000	A	0.42	0.97	0.7565	1.0000	A	0.42	0.90	0.1941	1.0000
<i>TOLLIP</i>	rs5743900	11	NC	AHR	G	0.19	0.90	0.6040	1.0000	G	0.15	1.00	1.0000	1.0000	G	0.21	0.90	0.5106	1.0000	G	0.20	0.86	0.2697	1.0000	G	0.19	0.89	0.1958	1.0000
<i>TOLLIP</i>	rs5743899	11	NC	AHR	C	0.20	1.04	0.8330	1.0000	C	0.21	1.15	0.5528	1.0000	C	0.15	1.49	0.0267	1.0000	C	0.19	0.84	0.2318	1.0000	C	0.19	1.06	0.4849	1.0000
<i>TOLLIP</i>	rs5743894	11	NC	AHR	C	0.14	1.00	1.0000	1.0000	C	0.15	0.82	0.4457	1.0000	C	0.19	0.98	0.8821	1.0000	C	0.18	1.16	0.2803	1.0000	C	0.17	1.03	0.7507	1.0000
<i>TOLLIP</i>	rs5743890	11	NC	AHR	C	0.11	1.08	0.7855	1.0000	C	0.15	0.96	0.8907	1.0000	C	0.16	0.90	0.5106	1.0000	C	0.16	1.12	0.4429	1.0000	C	0.15	1.02	0.8618	1.0000
<i>TOLLIP</i>	rs5743867	11	NC	AHR	G	0.10	0.76	0.4104	1.0000	G	0.09	0.63	0.1477	1.0000	G	0.07	1.76	0.0221	0.8792	G	0.07	1.03	0.8759	1.0000	G	0.08	1.06	0.6731	1.0000
<i>TOLLIP</i>	rs5743856	11	NC	AHR	G	0.03	0.90	0.8185	1.0000	G	0.03	2.50	0.2491	1.0000	G	0.02	1.81	0.1560	1.0000	G	0.03	0.31	0.0089	0.3487	G	0.03	0.90	0.6157	1.0000
<i>TOLLIP</i>	rs5743854	11	NC	AHR	G	0.13	0.88	0.6681	1.0000	G	0.11	0.74	0.3419	1.0000	G	0.09	1.79	0.0070	0.2766	G	0.10	0.79	0.2346	1.0000	G	0.11	1.03	0.7895	1.0000
<i>TOLLIP</i>	rs5743851	11	NC	AHR	C	0.08	0.76	0.3650	1.0000	C	0.08	0.86	0.6947	1.0000	C	0.13	0.95	0.8252	1.0000	C	0.08	0.98	0.9211	1.0000	C	0.09	0.92	0.4878	1.0000
<i>TRAF6</i>	rs331463	11	NC	AHR	T	0.15	0.96	0.8366	1.0000	T	0.15	0.88	0.6054	1.0000	T	0.15	1.13	0.4892	1.0000	T	0.17	1.23	0.1456	1.0000	T	0.16	1.10	0.3123	1.0000
<i>TRAF6</i>	rs3740961	11	NC	AHR	C	0.16	1.10	0.6698	1.0000	C	0.19	1.33	0.3165	1.0000	C	0.13	1.10	0.5868	1.0000	C	0.12	1.17	0.3325	1.0000	C	0.14	1.15	0.1545	1.0000
<i>TRAF6</i>	rs5030472	11	NC	AHR	T	0.11	1.00	1.0000	1.0000	T	0.11	0.79	0.4453	1.0000	T	0.13	1.16	0.4203	1.0000	T	0.12	1.32	0.0830	1.0000	T	0.12	1.14	0.2004	1.0000
<i>TRAF6</i>	rs4755453	11	NC	AHR	C	0.17	0.96	0.8430	1.0000	C	0.16	0.78	0.3242	1.0000	C	0.15	1.14	0.4415	1.0000	C	0.17	1.21	0.1909	1.0000	C	0.16	1.07	0.4422	1.0000
<i>TRAF6</i>	rs5030419	11	NC	AHR	C	0.11	0.84	0.5075	1.0000	C	0.11	1.27	0.4922	1.0000	C	0.13	1.07	0.7126	1.0000	C	0.11	0.89	0.5090	1.0000	C	0.11	0.97	0.8042	1.0000
<i>TRAF6</i>	rs5030416	11	NC	AHR	C	0.14	1.09	0.7218	1.0000	C	0.13	1.21	0.5368	1.0000	C	0.14	1.05	0.7868	1.0000	C	0.12	0.93	0.6611	1.0000	C	0.13	1.03	0.8018	1.0000
<i>TRAF6</i>	rs5030411	11	NC	AHR	G	0.39	0.91	0.5663	1.0000	G	0.38	0.88	0.5315	1.0000	G	0.42	1.01	0.9533	1.0000	G	0.38	1.15	0.2117	1.0000	G	0.39	1.02	0.7242	1.0000
<i>TRAF6</i>	rs5030489	11	NC	AHR	G	0.06	0.94	0.8658	1.0000	G	0.07	0.88	0.7149	1.0000	G	0.08	0.76	0.2041	1.0000						G	0.07	0.82	0.2275	1.0000
<i>TRAF6</i>	rs5030403	11	NC	AHR	A	0.13	1.00	1.0000	1.0000	A	0.13	0.76	0.2927	1.0000	A	0.13	1.12	0.5374	1.0000	A	0.14	1.34	0.0568	1.0000	A	0.13	1.12	0.2569	1.0000
<i>TRAF6</i>	rs5030488	11	NC	AHR	G	0.09	0.74	0.3063	1.0000	G	0.10	1.00	1.0000	1.0000	G	0.13	0.90	0.5496	1.0000	G	0.10	1.18	0.3569	1.0000	G	0.10	0.98	0.8384	1.0000
<i>TRAF6</i>	rs331455	11	NC	AHR	G	0.24	0.86	0.4051	1.0000	G	0.25	0.90	0.6001	1.0000	G	0.27	0.99	0.9486	1.0000	G	0.26	1.22	0.0979	1.0000	G	0.26	1.03	0.6551	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>CD14</i>	rs778583	5	NC	Ast	T	0.28	1.33	0.3972	1.0000	T	0.28	1.05	0.8208	1.0000	T	0.25	1.06	0.6186	1.0000	T	0.28	1.03	0.7136	1.0000	T	0.28	1.05	0.4351	1.0000
<i>CD14</i>	rs778584	5	NC	Ast	A	0.49	0.58	0.0508	0.4568	A	0.48	0.83	0.3654	1.0000	G	0.45	1.05	0.6134	1.0000	A	0.49	0.90	0.1753	1.0000	A	0.50	0.89	0.0507	0.6084
<i>CD14</i>	rs4914	5	CS	Ast	C	0.12	1.00	1.0000	1.0000	C	0.11	0.40	0.0100	0.0897	C	0.11	0.84	0.3063	1.0000	C	0.12	1.14	0.2672	1.0000	C	0.12	0.97	0.7064	1.0000
<i>CD14</i>	rs2569190**	5	NC	Ast	A	0.48	0.59	0.0554	0.1661	A	0.48	0.87	0.4815	1.0000	G	0.45	1.03	0.7994	1.0000	A	0.48	0.90	0.1476	0.4428	A	0.49	0.90	0.0678	0.2034
<i>CD14</i>	rs5744455	5	NC	Ast	T	0.23	1.90	0.0920	0.8276	T	0.24	1.21	0.4529	1.0000	T	0.19	1.04	0.7484	1.0000	T	0.24	1.07	0.4365	1.0000	T	0.23	1.09	0.1958	1.0000
<i>CD14</i>	rs2569193**	5	NC	Ast											A	0.25	1.01	0.9081	1.0000						A	0.25	1.01	0.9081	1.0000
<i>CD14</i>	rs3822356	5	NC	Ast	G	0.23	1.58	0.2067	1.0000	G	0.24	1.14	0.6113	1.0000	G	0.19	1.07	0.6070	1.0000	G	0.23	1.07	0.4417	1.0000	G	0.23	1.09	0.2101	1.0000
<i>CHUK</i>	rs3808916	10	NC	Ast	A	0.07	0.50	0.2437	1.0000	A	0.07	1.08	0.8474	1.0000	A	0.09	1.24	0.2054	1.0000	A	0.06	1.11	0.5045	1.0000	A	0.07	1.13	0.2679	1.0000
<i>CHUK</i>	rs3818411	10	NC	Ast	A	0.51	1.27	0.3956	1.0000	G	0.49	0.79	0.2125	1.0000	G	0.43	1.10	0.3568	1.0000	G	0.47	0.85	0.0316	0.2844	G	0.47	0.91	0.1016	1.0000
<i>CHUK</i>	rs17885986	10	NC	Ast	T	0.06	0.83	0.7629	1.0000	T	0.05	0.54	0.1764	1.0000	T	0.06	1.02	0.9207	1.0000	T	0.06	0.79	0.1266	1.0000	T	0.06	0.84	0.1374	1.0000
<i>CHUK</i>	rs17880383	10	CS	Ast	A	0.06	0.80	0.7386	1.0000	A	0.04	0.63	0.4033	1.0000	A	0.07	0.94	0.7606	1.0000	A	0.06	0.94	0.7113	1.0000	A	0.06	0.92	0.4822	1.0000
<i>CHUK</i>	rs11595324	10	NC	Ast	C	0.05	1.14	0.7962	1.0000	C	0.04	0.46	0.1042	1.0000	C	0.04	1.25	0.4132	1.0000						C	0.04	1.00	1.0000	1.0000
<i>CHUK</i>	rs17885645	10	NC	Ast	C	0.42	1.50	0.1559	1.0000	C	0.41	1.14	0.5359	1.0000	C	0.47	0.84	0.0879	1.0000	C	0.46	1.09	0.2524	1.0000	C	0.44	1.02	0.7079	1.0000
<i>IKBKAP</i>	rs10521090	9	NC	Ast	C	0.31	1.71	0.1027	1.0000	C	0.29	0.86	0.4629	1.0000	C	0.28	1.01	0.9038	1.0000	C	0.31	1.10	0.2612	1.0000	C	0.30	1.07	0.3055	1.0000
<i>IKBKAP</i>	rs1417714	9	NC	Ast	A	0.45	1.08	0.7773	1.0000	A	0.42	1.06	0.7582	1.0000	A	0.38	0.92	0.4432	1.0000	A	0.45	1.07	0.3896	1.0000	A	0.44	1.02	0.7189	1.0000
<i>IKBKAP</i>	rs7872727	9	NC	Ast	G	0.23	0.72	0.3681	1.0000	G	0.20	0.96	0.8927	1.0000	G	0.18	0.79	0.0642	1.0000	G	0.23	1.07	0.4744	1.0000	G	0.22	0.95	0.5075	1.0000
<i>IKBKAP</i>	rs10816750	9	NC	Ast	A	0.15	1.15	0.7053	1.0000	A	0.16	0.57	0.0418	1.0000	A	0.20	1.01	0.9510	1.0000	A	0.16	1.03	0.7666	1.0000	A	0.16	0.98	0.8135	1.0000
<i>IKBKAP</i>	rs1981268	9	NC	Ast	C	0.11	0.75	0.5923	1.0000	C	0.11	1.46	0.2874	1.0000	C	0.11	1.01	0.9319	1.0000						C	0.11	1.06	0.7116	1.0000
<i>IKBKAP</i>	rs4978753	9	NC	Ast	A	0.16	1.15	0.7053	1.0000	A	0.16	0.57	0.0418	1.0000	A	0.20	1.01	0.9510	1.0000	A	0.16	1.02	0.8147	1.0000	A	0.17	0.98	0.7796	1.0000
<i>IKBKAP</i>	rs2275496	9	NC	Ast	G	0.52	0.95	0.8759	1.0000	A	0.45	1.08	0.6891	1.0000	A	0.47	1.00	1.0000	1.0000	A	0.45	0.91	0.2204	1.0000	A	0.46	0.95	0.4442	1.0000
<i>IKBKAP</i>	rs10512388	9	NC	Ast	A	0.11	1.50	0.4370	1.0000	A	0.10	1.44	0.2610	1.0000	A	0.09	0.96	0.8501	1.0000	A	0.12	1.12	0.3367	1.0000	A	0.11	1.11	0.2541	1.0000
<i>IKBKAP</i>	rs4978374	9	NC	Ast	T	0.22	0.67	0.3157	1.0000	T	0.25	1.15	0.5928	1.0000	T	0.23	1.02	0.8549	1.0000	T	0.24	0.95	0.5504	1.0000	T	0.24	0.97	0.6961	1.0000
<i>IKBKAP</i>	rs3780507	9	NC	Ast	C	0.27	1.40	0.3162	1.0000	C	0.26	0.81	0.3584	1.0000	C	0.28	1.01	0.9552	1.0000	C	0.28	1.09	0.2963	1.0000	C	0.27	1.05	0.4517	1.0000
<i>IKBKAP</i>	rs10759326	9	CNS	Ast	C	0.18	1.33	0.5120	1.0000	C	0.16	1.00	1.0000	1.0000	C	0.15	0.91	0.5212	1.0000	C	0.19	1.11	0.2789	1.0000	C	0.18	1.05	0.5343	1.0000
<i>IKBKAP</i>	rs2275632	9	NC	Ast	A	0.05	0.75	0.7050	1.0000	A	0.06	1.00	1.0000	1.0000	A	0.04	1.14	0.6052	1.0000						A	0.05	1.07	0.7504	1.0000
<i>IKBKAP</i>	rs3818932	9	NC	Ast	G	0.31	1.47	0.2484	1.0000	G	0.29	0.95	0.8273	1.0000	G	0.32	1.18	0.1665	1.0000	G	0.28	0.85	0.0544	1.0000	G	0.29	0.96	0.5744	1.0000
<i>IKBKAP</i>	rs838827	9	CNS	Ast	A	0.06	2.33	0.1996	1.0000	A	0.05	1.71	0.2486	1.0000	A	0.05	0.75	0.2842	1.0000	A	0.06	1.26	0.1283	1.0000	A	0.06	1.18	0.1927	1.0000
<i>IKBKAP</i>	rs838825	9	NC	Ast	G	0.17	0.85	0.6829	1.0000	G	0.20	1.32	0.2927	1.0000	G	0.18	0.93	0.5844	1.0000	G	0.19	1.20	0.0639	1.0000	G	0.18	1.11	0.1780	1.0000
<i>IKBKAP</i>	rs838824	9	NC	Ast	T	0.37	1.71	0.1027	1.0000	T	0.33	1.10	0.6586	1.0000	T	0.37	1.08	0.5218	1.0000	T	0.34	0.93	0.3371	1.0000	T	0.35	1.00	0.9750	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>IKBKAP</i>	rs2297579	9	NC	Ast	A	0.07	0.83	0.7629	1.0000	A	0.09	1.13	0.7236	1.0000	A	0.06	1.00	1.0000	1.0000	A	0.08	0.95	0.6959	1.0000	A	0.08	0.97	0.8042	1.0000
<i>IKBKAP</i>	rs838818	9	NC	Ast	G	0.33	0.75	0.3972	1.0000	G	0.33	0.82	0.3990	1.0000	G	0.34	1.02	0.8636	1.0000	G	0.33	0.95	0.5445	1.0000	G	0.33	0.95	0.4528	1.0000
<i>IKBKAP</i>	rs838819	9	NC	Ast	T	0.48	0.61	0.1370	1.0000	T	0.51	0.97	0.9093	1.0000	T	0.50	0.94	0.5548	1.0000	T	0.49	1.07	0.3931	1.0000	T	0.50	1.00	0.9653	1.0000
<i>IKBKAP</i>	rs2289480	9	NC	Ast	C	0.38	1.22	0.5267	1.0000	C	0.38	1.07	0.7505	1.0000	C	0.38	1.17	0.1611	1.0000	C	0.36	0.87	0.0906	1.0000	C	0.37	0.98	0.7447	1.0000
<i>IKBKB</i>	rs3747811	8	NC	Ast	A	0.49	0.81	0.4747	1.0000	A	0.48	0.87	0.4815	1.0000	A	0.47	1.05	0.6421	1.0000	A	0.48	0.93	0.3363	1.0000	A	0.48	0.95	0.4170	1.0000
<i>IKBKB</i>	rs11986055	8	NC	Ast	C	0.04	1.75	0.3627	1.0000	C	0.03	0.57	0.3627	1.0000	C	0.02	1.63	0.2716	1.0000	C	0.04	0.98	0.9114	1.0000	C	0.03	1.05	0.7532	1.0000
<i>IKBKB</i>	rs5029748	8	NC	Ast	A	0.26	0.85	0.6217	1.0000	A	0.24	1.03	0.8997	1.0000	A	0.27	0.95	0.6419	1.0000	A	0.26	0.98	0.8151	1.0000	A	0.26	0.97	0.6136	1.0000
<i>IKBKB</i>	rs4560769	8	NC	Ast	C	0.08	1.50	0.4370	1.0000	C	0.07	0.92	0.8348	1.0000	C	0.10	1.07	0.6779	1.0000	C	0.09	1.08	0.5520	1.0000	C	0.09	1.08	0.4305	1.0000
<i>IKBKB</i>	rs2272733	8	NC	Ast	A	0.10	1.83	0.2218	1.0000	A	0.11	1.27	0.4922	1.0000	A	0.12	1.14	0.4230	1.0000	A	0.13	1.07	0.5344	1.0000	A	0.12	1.12	0.1870	1.0000
<i>IKBKB</i>	rs17875746	8	NC	Ast	A	0.04	2.00	0.5599	1.0000	A	0.04	1.20	0.7629	1.0000	A	0.09	0.98	0.9287	1.0000	A	0.05	1.16	0.3913	1.0000	A	0.05	1.08	0.5076	1.0000
<i>IKBKB</i>	rs10958713	8	NC	Ast	A	0.35	0.77	0.3757	1.0000	A	0.34	0.91	0.6662	1.0000	A	0.37	0.91	0.3720	1.0000	A	0.36	0.90	0.1661	1.0000	A	0.36	0.90	0.0655	0.9828
<i>IL18</i>	rs543810	11	NC	Ast	C	0.12	0.91	0.8272	1.0000	C	0.12	1.18	0.6217	1.0000	C	0.14	1.08	0.6241	1.0000	C	0.09	0.94	0.6167	1.0000	C	0.11	1.00	0.9869	1.0000
<i>IL18</i>	rs549908	11	CS	Ast	G	0.30	1.24	0.4654	1.0000	G	0.29	1.31	0.2443	1.0000	G	0.30	1.03	0.7702	1.0000	G	0.31	0.98	0.8048	1.0000	G	0.30	1.03	0.6581	1.0000
<i>IL18</i>	rs5744256	11	NC	Ast	C	0.26	0.77	0.4227	1.0000	C	0.27	0.81	0.3646	1.0000	C	0.26	0.81	0.0888	1.0000	C	0.26	0.91	0.2769	1.0000	C	0.26	0.86	0.0299	0.3593
<i>IL18</i>	rs1834481	11	NC	Ast	C	0.26	0.82	0.5897	1.0000	C	0.26	0.79	0.3616	1.0000	C	0.27	0.77	0.0758	0.9100						C	0.26	0.78	0.0395	0.4738
<i>IL18</i>	rs2043055	11	NC	Ast	G	0.35	1.09	0.7680	1.0000	G	0.34	1.00	1.0000	1.0000	G	0.32	1.16	0.1903	1.0000	G	0.38	1.15	0.0775	0.6978	G	0.36	1.14	0.0343	0.4118
<i>IL18</i>	rs360717**	11	NC	Ast	A	0.27	1.19	0.5551	1.0000	A	0.26	1.13	0.6224	1.0000	A	0.27	0.98	0.8559	1.0000						A	0.27	1.03	0.7989	1.0000
<i>IL18</i>	rs1946518	11	NC	Ast	T	0.40	1.04	0.8886	1.0000	T	0.39	1.23	0.3584	1.0000	T	0.43	0.97	0.7859	1.0000	T	0.38	0.97	0.7232	1.0000	T	0.39	0.99	0.8802	1.0000
<i>IL18</i>	rs360712	11	CS	Ast	C	0.26	1.20	0.5462	1.0000	C	0.25	1.10	0.7054	1.0000	C	0.24	0.92	0.5303	1.0000	C	0.26	1.00	0.9773	1.0000	C	0.25	0.99	0.9024	1.0000
<i>IL18BP</i>	rs2276384	11	NC	Ast	C	0.03	0.50	0.5599	1.0000	C	0.02	0.25	0.0496	0.4464	C	0.02	1.11	0.7452	1.0000	C	0.02	1.27	0.4013	1.0000	C	0.02	1.02	0.9219	1.0000
<i>IL18BP</i>	rs3814721	11	NC	Ast	C	0.06	0.71	0.5628	1.0000	C	0.06	0.45	0.1289	1.0000	C	0.06	1.16	0.5118	1.0000	C	0.05	1.07	0.6974	1.0000	C	0.05	1.02	0.8775	1.0000
<i>IL18BP</i>	rs2298455	11	NC	Ast	C	0.11	0.70	0.4657	1.0000	C	0.11	1.47	0.2484	1.0000	C	0.12	1.13	0.4315	1.0000	C	0.12	1.15	0.2382	1.0000	C	0.11	1.14	0.1294	1.0000
<i>IL18BP</i>	rs1573503	11	NC	Ast	A	0.03	0.50	0.5599	1.0000	A	0.02	0.29	0.0863	0.7768	A	0.02	1.68	0.3128	1.0000	A	0.02	1.27	0.4045	1.0000	A	0.02	1.11	0.6619	1.0000
<i>IL18R1</i>	rs13015714	2	NC	Ast	G	0.23	1.46	0.2874	1.0000	G	0.24	0.82	0.3990	1.0000	G	0.22	0.89	0.3658	1.0000	G	0.23	0.95	0.5852	1.0000	G	0.23	0.94	0.3470	1.0000
<i>IL18R1</i>	rs4851567	2	NC	Ast	T	0.10	0.70	0.4657	1.0000																T	0.10	0.70	0.4657	1.0000
<i>IL18R1</i>	rs10170583	2	NC	Ast	A	0.39	0.86	0.5789	1.0000	A	0.34	1.31	0.2209	1.0000	A	0.41	0.81	0.0435	1.0000	A	0.38	1.00	0.9778	1.0000	A	0.38	0.95	0.3694	1.0000
<i>IL18R1</i>	rs10204837	2	NC	Ast	A	0.39	0.86	0.5860	1.0000	A	0.34	1.39	0.1303	1.0000	A	0.41	0.83	0.0844	1.0000	A	0.37	0.99	0.8864	1.0000	A	0.38	0.95	0.4308	1.0000
<i>IL18R1</i>	rs11465567	2	NC	Ast	G	0.10	0.90	0.8185	1.0000	G	0.12	0.95	0.8728	1.0000	G	0.10	1.51	0.0191	0.5781	G	0.10	1.06	0.6202	1.0000	G	0.10	1.16	0.1175	1.0000
<i>IL18R1</i>	rs2287037	2	NC	Ast	A	0.38	0.93	0.7815	1.0000	A	0.42	0.89	0.5918	1.0000	A	0.36	1.31	0.3005	1.0000	A	0.40	1.03	0.6589	1.0000	A	0.40	1.03	0.6735	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>IL18R1</i>	rs11465572	2	NC	Ast	T	0.10	0.90	0.8185	1.0000	T	0.12	0.95	0.8728	1.0000	T	0.10	1.51	0.0191	0.5781	T	0.10	1.07	0.6188	1.0000	T	0.10	1.16	0.1172	1.0000
<i>IL18R1</i>	rs10515921	2	NC	Ast	G	0.14	0.71	0.4131	1.0000	G	0.12	1.25	0.4556	1.0000	G	0.11	0.97	0.8628	1.0000	G	0.15	1.03	0.7814	1.0000	G	0.13	1.01	0.8588	1.0000
<i>IL18R1</i>	rs3771172	2	NC	Ast	T	0.27	0.95	0.8788	1.0000	T	0.30	0.90	0.6505	1.0000	T	0.27	1.12	0.3488	1.0000	T	0.30	1.01	0.8936	1.0000	T	0.29	1.03	0.6522	1.0000
<i>IL18R1</i>	rs1465321	2	NC	Ast	A	0.23	1.46	0.2874	1.0000	A	0.24	0.78	0.2848	1.0000	A	0.22	0.91	0.4403	1.0000	A	0.22	0.98	0.7924	1.0000	A	0.23	0.95	0.4680	1.0000
<i>IL18R1</i>	rs11465597	2	NC	Ast	C	0.11	1.11	0.8185	1.0000	C	0.12	0.77	0.4227	1.0000	C	0.10	1.74	0.0019	0.0569	C	0.10	1.09	0.4822	1.0000	C	0.10	1.22	0.0403	1.0000
<i>IL18R1</i>	rs7579737	2	NC	Ast	G	0.31	0.67	0.2044	1.0000	G	0.30	1.32	0.2001	1.0000	G	0.33	1.06	0.6361	1.0000	G	0.31	1.02	0.8214	1.0000	G	0.31	1.03	0.5812	1.0000
<i>IL18R1</i>	rs6758936	2	NC	Ast	G	0.51	1.22	0.4835	1.0000	G	0.54	0.73	0.1230	1.0000	A	0.50	0.95	0.6280	1.0000	A	0.47	1.04	0.6297	1.0000	A	0.48	1.02	0.6908	1.0000
<i>IL18R1</i>	rs7558013	2	NC	Ast	T	0.23	0.79	0.4922	1.0000	T	0.19	1.95	0.0126	0.3845	T	0.21	0.83	0.1531	1.0000	T	0.24	0.99	0.9101	1.0000	T	0.22	0.98	0.7418	1.0000
<i>IL18R1</i>	rs11465623	2	NC	Ast	A	0.08	0.78	0.6166	1.0000	A	0.08	0.69	0.3345	1.0000	A	0.12	1.21	0.2659	1.0000	A	0.08	1.07	0.6160	1.0000	A	0.09	1.07	0.5017	1.0000
<i>IL18R1</i>	rs3213733	2	NC	Ast	A	0.18	1.06	0.8658	1.0000	A	0.18	1.03	0.9013	1.0000	A	0.17	0.98	0.8834	1.0000	A	0.15	1.03	0.8095	1.0000	A	0.16	1.01	0.8577	1.0000
<i>IL18R1</i>	rs2241116	2	NC	Ast	T	0.22	0.71	0.3162	1.0000	T	0.23	0.71	0.1563	1.0000	T	0.21	1.16	0.2487	1.0000	T	0.23	1.02	0.7945	1.0000	T	0.22	1.01	0.8429	1.0000
<i>IL18RAP</i>	rs1592458	2	NC	Ast	A	0.51	1.22	0.4835	1.0000	A	0.54	0.71	0.1017	1.0000	T	0.50	0.95	0.6280	1.0000	T	0.47	1.02	0.7785	1.0000	T	0.48	1.02	0.7847	1.0000
<i>IL18RAP</i>	rs1807782	2	NC	Ast	G	0.23	1.46	0.2874	1.0000	G	0.24	0.78	0.2848	1.0000	G	0.22	0.92	0.5219	1.0000	G	0.23	0.96	0.6624	1.0000	G	0.23	0.95	0.4329	1.0000
<i>IL18RAP</i>	rs11465670	2	NC	Ast	C	0.14	0.79	0.5480	1.0000	C	0.11	1.47	0.2156	1.0000	C	0.11	1.02	0.9282	1.0000	C	0.15	1.06	0.6025	1.0000	C	0.13	1.06	0.4981	1.0000
<i>IL18RAP</i>	rs1833174	2	NC	Ast	T	0.51	1.22	0.4835	1.0000	T	0.54	0.74	0.1480	1.0000	A	0.50	0.95	0.6280	1.0000	A	0.47	1.02	0.7784	1.0000	A	0.48	1.01	0.8295	1.0000
<i>IL18RAP</i>	rs2293225	2	NC	Ast	A	0.22	0.71	0.3162	1.0000	A	0.23	0.70	0.1446	1.0000	A	0.21	1.17	0.2243	1.0000	A	0.23	1.02	0.8116	1.0000	A	0.22	1.01	0.8287	1.0000
<i>IL18RAP</i>	rs6756407	2	NC	Ast	A	0.08	0.78	0.6166	1.0000	A	0.09	0.73	0.4319	1.0000	A	0.12	1.18	0.3467	1.0000	A	0.08	1.03	0.8309	1.0000	A	0.09	1.04	0.6809	1.0000
<i>IL18RAP</i>	rs3771156	2	NC	Ast	A	0.28	0.96	0.8815	1.0000	A	0.30	0.83	0.4247	1.0000	A	0.27	1.13	0.3000	1.0000	A	0.30	1.00	0.9715	1.0000	A	0.29	1.02	0.7318	1.0000
<i>IL18RAP</i>	rs10176820	2	NC	Ast	G	0.18	1.06	0.8658	1.0000	G	0.18	1.10	0.7054	1.0000	G	0.17	0.99	0.9417	1.0000	G	0.15	1.02	0.8325	1.0000	G	0.17	1.02	0.7825	1.0000
<i>IL18RAP</i>	rs2075186	2	NC	Ast	A	0.18	1.06	0.8658	1.0000	A	0.18	1.03	0.9013	1.0000	A	0.17	0.99	0.9417	1.0000	A	0.15	1.02	0.8718	1.0000	A	0.17	1.01	0.8734	1.0000
<i>IL18RAP</i>	rs11465702	2	NC	Ast	G	0.14	1.07	0.8527	1.0000	G	0.13	0.93	0.7892	1.0000	G	0.15	0.88	0.3971	1.0000	G	0.12	0.99	0.9071	1.0000	G	0.13	0.95	0.5482	1.0000
<i>IL18RAP</i>	rs6748390	2	NC	Ast	C	0.31	0.76	0.3650	1.0000	C	0.28	1.47	0.1026	1.0000	C	0.33	0.94	0.6051	1.0000	C	0.32	0.99	0.8972	1.0000	C	0.31	0.99	0.8962	1.0000
<i>IL18RAP</i>	rs6543135	2	NC	Ast	A	0.22	0.79	0.4922	1.0000	A	0.19	1.95	0.0126	0.3466	A	0.20	0.85	0.2223	1.0000	A	0.24	0.99	0.8667	1.0000	A	0.22	0.98	0.7888	1.0000
<i>IL18RAP</i>	rs11465724	2	NC	Ast	A	0.03	0.75	0.7050	1.0000	A	0.03	0.57	0.3627	1.0000	A	0.03	1.00	1.0000	1.0000	A	0.04	1.03	0.8810	1.0000	A	0.03	0.97	0.8393	1.0000
<i>IL18RAP</i>	rs11465730	2	NC	Ast	C	0.46	1.04	0.8927	1.0000	C	0.48	0.88	0.5269	1.0000	C	0.45	1.11	0.3116	1.0000	C	0.45	1.05	0.5511	1.0000	C	0.46	1.05	0.3894	1.0000
<i>IL18RAP</i>	rs917998	2	NC	Ast	A	0.09	0.89	0.8083	1.0000	A	0.08	2.22	0.0386	1.0000	A	0.10	0.74	0.0827	1.0000	A	0.09	0.89	0.3895	1.0000	A	0.09	0.89	0.2548	1.0000
<i>IL1A</i>	rs2048874	2	NC	Ast	T	0.11	1.71	0.2486	1.0000	T	0.12	1.92	0.0496	0.5910	T	0.15	1.22	0.1564	1.0000	T	0.13	1.00	0.9965	1.0000	T	0.13	1.14	0.1184	1.0000
<i>IL1A</i>	rs4848300	2	NC	Ast	C	0.30	0.81	0.4654	1.0000	C	0.32	0.85	0.5218	1.0000	C	0.30	0.88	0.2918	1.0000	C	0.29	0.89	0.1582	1.0000	C	0.30	0.88	0.0475	0.5640
<i>IL1A</i>	rs3783546	2	NC	Ast	G	0.30	0.91	0.7630	1.0000	G	0.29	0.86	0.5470	1.0000	G	0.29	0.96	0.7218	1.0000	G	0.31	1.09	0.2991	1.0000	G	0.30	1.02	0.6969	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>IL1A</i>	rs17561**	2	CNS	Ast	A	0.29	0.81	0.4654	1.0000	A	0.31	0.85	0.5285	1.0000	A	0.30	0.88	0.2918	0.8754	A	0.29	0.89	0.1760	0.5280	A	0.30	0.88	0.0530	0.1589
<i>IL1A</i>	rs1800587	2	NC	Ast	A	0.30	0.81	0.4654	1.0000	A	0.31	0.85	0.5285	1.0000	A	0.30	0.88	0.2650	1.0000	A	0.29	0.89	0.1689	1.0000	A	0.30	0.88	0.0471	0.5590
<i>IL1A</i>	rs3783516	2	NC	Ast	A	0.40	1.37	0.2957	1.0000	A	0.39	1.26	0.2859	1.0000	A	0.41	1.16	0.1988	1.0000	A	0.40	1.03	0.6975	1.0000	A	0.40	1.09	0.1349	1.0000
<i>IL1B</i>	rs3917368	2	NC	Ast	T	0.37	0.88	0.6616	1.0000	T	0.36	1.04	0.8383	1.0000	T	0.36	1.16	0.2080	1.0000	T	0.36	0.97	0.6882	1.0000	T	0.36	1.02	0.7408	1.0000
<i>IL1B</i>	rs1143634	2	CS	Ast	A	0.22	1.47	0.2484	1.0000	A	0.24	0.97	0.9042	1.0000	A	0.25	0.85	0.1693	0.9127	A	0.23	0.99	0.8848	1.0000	A	0.23	0.95	0.4940	1.0000
<i>IL1B</i>	rs1143627	2	NC	Ast	G	0.34	1.67	0.1119	0.6714	G	0.33	0.87	0.5223	1.0000	G	0.27	1.11	0.3850	1.0000	G	0.34	1.03	0.7278	1.0000	G	0.33	1.05	0.4017	1.0000
<i>IL1B</i>	rs16944**	2	NC	Ast	T	0.34	1.67	0.1119	0.3357	T	0.33	0.91	0.6698	1.0000	T	0.27	1.11	0.3850	1.0000	T	0.35	1.04	0.6558	1.0000	T	0.33	1.06	0.3282	0.9846
<i>IL1R1</i>	rs11883987	2	NC	Ast	G	0.40	1.42	0.2370	1.0000	G	0.42	0.94	0.7606	1.0000						G	0.39	0.99	0.8482	1.0000	G	0.40	1.00	0.9976	1.0000
<i>IL1R1</i>	rs1558642	2	NC	Ast	A	0.21	1.06	0.8658	1.0000	A	0.23	1.08	0.7290	1.0000	A	0.21	0.87	0.2867	1.0000	A	0.21	0.90	0.2489	1.0000	A	0.22	0.91	0.1928	1.0000
<i>IL1R1</i>	rs6754776	2	NC	Ast	C	0.13	0.57	0.1980	1.0000	C	0.12	0.90	0.7455	1.0000	C	0.14	1.30	0.0845	1.0000	C	0.13	0.90	0.3753	1.0000	C	0.13	1.00	0.9803	1.0000
<i>IL1R1</i>	rs3917225	2	NC	Ast	G	0.45	0.77	0.3757	1.0000	G	0.45	1.06	0.7675	1.0000	G	0.45	1.13	0.3031	1.0000	G	0.48	1.06	0.4645	1.0000	G	0.46	1.06	0.3119	1.0000
<i>IL1R1</i>	rs2192752	2	NC	Ast	C	0.21	0.95	0.8694	1.0000	C	0.23	1.08	0.7290	1.0000	C	0.21	0.87	0.2867	1.0000	C	0.21	0.90	0.2359	1.0000	C	0.22	0.91	0.1627	1.0000
<i>IL1R1</i>	rs949963	2	NC	Ast	T	0.18	2.00	0.0435	1.0000	T	0.19	0.88	0.6170	1.0000	T	0.17	0.83	0.2131	1.0000	T	0.16	1.04	0.7339	1.0000	T	0.17	0.99	0.9233	1.0000
<i>IL1R1</i>	rs3917243	2	NC	Ast	T	0.46	1.00	1.0000	1.0000	T	0.45	1.08	0.7003	1.0000	T	0.47	1.04	0.6942	1.0000	T	0.49	1.07	0.3529	1.0000	T	0.47	1.06	0.2987	1.0000
<i>IL1R1</i>	rs3917254	2	NC	Ast	A	0.10	0.38	0.0299	1.0000	A	0.10	1.06	0.8618	1.0000	A	0.05	2.03	0.0020	0.0676	A	0.10	1.03	0.7875	1.0000	A	0.09	1.13	0.2388	1.0000
<i>IL1R1</i>	rs3917273	2	NC	Ast	T	0.43	0.96	0.8864	1.0000	T	0.44	0.98	0.9207	1.0000	T	0.39	0.97	0.7896	1.0000	T	0.41	1.11	0.1876	1.0000	T	0.41	1.05	0.4288	1.0000
<i>IL1R1</i>	rs3917285	2	NC	Ast	T	0.09	0.91	0.8272	1.0000	T	0.10	0.65	0.1927	1.0000	T	0.12	0.91	0.6014	1.0000	T	0.08	1.21	0.1802	1.0000	T	0.09	1.02	0.8326	1.0000
<i>IL1R1</i>	rs2228139	2	CNS	Ast	C	0.07	0.57	0.3627	1.0000	C	0.07	2.17	0.1042	1.0000	C	0.08	0.81	0.2867	1.0000	C	0.08	1.06	0.6758	1.0000	C	0.07	0.99	0.9546	1.0000
<i>IL1R1</i>	rs3917289	2	NC	Ast	A	0.08	0.83	0.7629	1.0000	A	0.07	2.14	0.0845	1.0000	A	0.08	0.85	0.3925	1.0000	A	0.09	1.03	0.8124	1.0000	A	0.08	1.01	0.9367	1.0000
<i>IL1R1</i>	rs997049	2	NC	Ast	A	0.38	1.10	0.7630	1.0000	A	0.37	1.06	0.7675	1.0000	A	0.44	1.11	0.3258	1.0000	A	0.41	0.98	0.7458	1.0000	A	0.40	1.03	0.6678	1.0000
<i>IL1R1</i>	rs3917292	2	NC	Ast	A	0.07	0.38	0.1246	1.0000	A	0.06	1.30	0.5310	1.0000	A	0.05	0.77	0.3083	1.0000	A	0.08	1.03	0.8553	1.0000	A	0.07	0.95	0.6646	1.0000
<i>IL1R1</i>	rs3917296	2	NC	Ast	G	0.07	0.43	0.1996	1.0000	G	0.06	1.08	0.8415	1.0000	G	0.08	1.36	0.1297	1.0000	G	0.08	1.06	0.6851	1.0000	G	0.08	1.11	0.3368	1.0000
<i>IL1R1</i>	rs951193	2	NC	Ast	A	0.04	0.67	0.6536	1.0000	A	0.05	0.42	0.0848	1.0000	A	0.03	0.82	0.5265	1.0000	A	0.04	1.12	0.5469	1.0000	A	0.04	0.94	0.6774	1.0000
<i>IL1R1</i>	rs3917304	2	NC	Ast	A	0.29	1.28	0.4343	1.0000	A	0.30	0.69	0.0836	1.0000	A	0.27	0.96	0.7630	1.0000	A	0.27	1.10	0.2726	1.0000	A	0.28	1.02	0.7548	1.0000
<i>IL1R1</i>	rs3917332	2	NC	Ast	A	0.20	0.94	0.8658	1.0000	A	0.20	0.91	0.7054	1.0000	A	0.22	0.82	0.1376	1.0000	A	0.20	0.96	0.6595	1.0000	A	0.20	0.91	0.1932	1.0000
<i>IL1R1</i>	rs1030021	2	NC	Ast	G	0.28	1.23	0.5160	1.0000											G	0.27	1.10	0.2626	1.0000	G	0.27	1.11	0.2118	1.0000
<i>IL1R2</i>	rs740044	2	NC	Ast	A	0.27	1.11	0.7455	1.0000	A	0.28	0.91	0.6586	1.0000	A	0.29	0.79	0.0403	0.9707	A	0.30	1.04	0.6298	1.0000	A	0.29	0.95	0.4223	1.0000
<i>IL1R2</i>	rs4851519	2	NC	Ast	T	0.08	0.40	0.1031	1.0000	T	0.07	1.00	1.0000	1.0000	T	0.07	1.30	0.2317	1.0000	T	0.09	1.03	0.8282	1.0000	T	0.08	1.05	0.6586	1.0000
<i>IL1R2</i>	rs4851522	2	NC	Ast	T	0.13	1.09	0.8348	1.0000	T	0.14	1.43	0.2064	1.0000	T	0.10	1.02	0.9244	1.0000						T	0.12	1.13	0.4184	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>IL1R2</i>	rs757918	2	NC	Ast	G	0.48	0.96	0.8886	1.0000	G	0.47	1.10	0.6255	1.0000	G	0.47	0.77	0.0130	0.3133	G	0.49	0.99	0.8670	1.0000	G	0.48	0.92	0.1661	1.0000
<i>IL1R2</i>	rs4851526	2	NC	Ast	C	0.42	1.40	0.2471	1.0000	C	0.43	0.78	0.1996	1.0000	C	0.44	1.28	0.0224	0.5405	C	0.40	1.03	0.7130	1.0000	C	0.42	1.08	0.1655	1.0000
<i>IL1R2</i>	rs719250	2	NC	Ast	T	0.08	0.40	0.1031	1.0000	T	0.09	1.58	0.2067	1.0000	T	0.08	1.03	0.8539	1.0000	T	0.10	0.98	0.8814	1.0000	T	0.09	1.00	0.9757	1.0000
<i>IL1R2</i>	rs3218848	2	NC	Ast	A	0.42	1.38	0.2569	1.0000																A	0.42	1.38	0.2569	1.0000
<i>IL1R2</i>	rs2110562	2	NC	Ast	T	0.49	1.00	1.0000	1.0000	T	0.47	1.06	0.7697	1.0000	T	0.47	0.78	0.0164	0.3959	T	0.49	0.98	0.7885	1.0000	T	0.48	0.92	0.1519	1.0000
<i>IL1R2</i>	rs3218979	2	NC	Ast	A	0.14	1.00	1.0000	1.0000	A	0.15	1.33	0.2842	1.0000	A	0.11	1.13	0.4792	1.0000	A	0.16	1.20	0.0807	1.0000	A	0.15	1.19	0.0398	0.8355
<i>IL1R2</i>	rs2072473	2	NC	Ast	A	0.12	0.58	0.2486	1.0000	A	0.12	1.15	0.6472	1.0000	A	0.13	1.05	0.7603	1.0000	A	0.14	0.98	0.8346	1.0000	A	0.13	0.99	0.9402	1.0000
<i>IL1R2</i>	rs2072472	2	NC	Ast	C	0.29	1.35	0.3419	1.0000	C	0.29	0.63	0.0433	0.9087	C	0.32	1.30	0.0172	0.4152	C	0.26	0.92	0.3370	1.0000	C	0.28	1.02	0.7748	1.0000
<i>IL1R2</i>	rs7589525	2	NC	Ast	C	0.29	1.35	0.3419	1.0000	C	0.29	0.65	0.0580	1.0000	C	0.33	1.30	0.0202	0.4873	C	0.26	0.93	0.3804	1.0000	C	0.28	1.02	0.7291	1.0000
<i>IL1R2</i>	rs4851531	2	NC	Ast	A	0.41	1.00	1.0000	1.0000	A	0.42	0.75	0.1722	1.0000	G	0.54	0.78	0.0137	0.3306	A	0.40	0.93	0.3740	1.0000	A	0.41	1.02	0.7247	1.0000
<i>IL1R2</i>	rs4851534	2	NC	Ast	A	0.45	0.96	0.8864	1.0000	A	0.44	1.08	0.6891	1.0000	A	0.43	0.73	0.0029	0.0707	A	0.45	0.97	0.6520	1.0000	A	0.44	0.90	0.0605	1.0000
<i>IL1RL1</i>	rs4090473	2	NC	Ast	G	0.48	1.00	1.0000	1.0000	G	0.45	1.09	0.6861	1.0000	G	0.47	0.85	0.1056	1.0000	G	0.49	1.02	0.8089	1.0000	G	0.48	0.97	0.5376	1.0000
<i>IL1RL1</i>	rs950880	2	NC	Ast	A	0.38	0.96	0.8927	1.0000	A	0.42	1.00	1.0000	1.0000	A	0.39	1.26	0.0260	0.4676	A	0.40	1.00	0.9499	1.0000	A	0.39	1.08	0.2038	1.0000
<i>IL1RL1</i>	rs1420089	2	NC	Ast	C	0.11	0.80	0.6370	1.0000	C	0.09	2.18	0.0262	0.4707	C	0.15	0.82	0.1661	1.0000	C	0.11	0.97	0.7831	1.0000	C	0.11	0.95	0.5800	1.0000
<i>IL1RL1</i>	rs1420103	2	NC	Ast	A	0.24	1.36	0.3832	1.0000	A	0.26	0.73	0.1734	1.0000	A	0.22	0.93	0.5604	1.0000	A	0.24	0.98	0.8156	1.0000	A	0.24	0.95	0.4670	1.0000
<i>IL1RL1</i>	rs1041973	2	CNS	Ast	A	0.23	1.11	0.7518	1.0000	A	0.24	0.95	0.8252	1.0000	A	0.24	1.11	0.3922	1.0000						A	0.24	1.07	0.4783	1.0000
<i>IL1RL1</i>	rs6719130	2	NC	Ast	T	0.14	0.79	0.5480	1.0000	T	0.11	1.19	0.5551	1.0000	T	0.12	0.94	0.7277	1.0000	T	0.15	1.08	0.4581	1.0000	T	0.13	1.04	0.6443	1.0000
<i>IL1RL1</i>	rs3771175	2	NC	Ast	A	0.14	1.00	1.0000	1.0000	A	0.13	0.87	0.5928	1.0000	A	0.15	0.88	0.4346	1.0000	A	0.12	0.96	0.7097	1.0000	A	0.13	0.93	0.3804	1.0000
<i>IL1RL1</i>	rs1946131	2	NC	Ast	A	0.10	0.90	0.8185	1.0000	A	0.12	0.95	0.8728	1.0000	A	0.10	1.49	0.0236	0.4243	A	0.10	1.08	0.5562	1.0000	A	0.10	1.16	0.1123	1.0000
<i>IL1RL1</i>	rs1921622	2	NC	Ast	C	0.48	1.22	0.4835	1.0000	C	0.46	0.98	0.9183	1.0000	C	0.52	0.81	0.0297	0.5355	C	0.45	0.94	0.4154	1.0000	C	0.47	0.91	0.0820	1.0000
<i>IL1RN</i>	rs315931	2	NC	Ast	C	0.32	1.22	0.5267	1.0000	C	0.31	0.66	0.0541	0.9747	C	0.28	1.13	0.2951	1.0000	C	0.32	1.02	0.8358	1.0000	C	0.31	1.02	0.7767	1.0000
<i>IL1RN</i>	rs4251961	2	NC	Ast	G	0.35	1.09	0.7728	1.0000	G	0.37	1.21	0.3605	1.0000	G	0.43	0.94	0.5391	1.0000	G	0.38	1.09	0.2818	1.0000	G	0.38	1.05	0.4407	1.0000
<i>IL1RN</i>	rs2637988	2	NC	Ast	C	0.40	1.20	0.4999	1.0000	C	0.40	0.78	0.2249	1.0000	C	0.34	1.04	0.7389	1.0000	C	0.40	0.90	0.1930	1.0000	C	0.39	0.94	0.3061	1.0000
<i>IL1RN</i>	rs3213448	2	NC	Ast	T	0.13	0.92	0.8415	1.0000	T	0.13	0.96	0.8815	1.0000	T	0.10	0.88	0.4513	1.0000	T	0.12	0.88	0.2607	1.0000	T	0.12	0.89	0.1786	1.0000
<i>IL1RN</i>	rs315934	2	NC	Ast	G	0.21	0.76	0.4104	1.0000	G	0.20	1.27	0.2981	1.0000	G	0.18	1.08	0.5844	1.0000	G	0.19	1.03	0.7559	1.0000	G	0.20	1.05	0.5026	1.0000
<i>IL1RN</i>	rs392503**	2	NC	Ast	G	0.28	1.33	0.3537	1.0000	G	0.28	0.80	0.2859	0.8577	G	0.25	1.12	0.3601	1.0000	G	0.28	0.94	0.4522	1.0000	G	0.28	0.99	0.8272	1.0000
<i>IL1RN</i>	rs1794067**	2	NC	Ast	A	0.28	1.26	0.4453	1.0000	A	0.28	0.75	0.1674	0.5022	A	0.25	1.15	0.2444	0.7332	A	0.29	0.94	0.4308	1.0000	A	0.28	0.98	0.8026	1.0000
<i>IL1RN</i>	rs598859	2	NC	Ast	T	0.28	1.26	0.4453	1.0000	T	0.28	0.76	0.2052	1.0000	T	0.25	1.15	0.2444	1.0000						T	0.27	1.06	0.5484	1.0000
<i>IL1RN</i>	rs973635	2	NC	Ast	A	0.13	0.92	0.8415	1.0000	A	0.14	0.96	0.8840	1.0000	A	0.11	0.97	0.8685	1.0000	A	0.14	0.84	0.1209	1.0000	A	0.13	0.89	0.1704	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>IL1RN</i>	rs440286**	2	NC	Ast	T	0.26	1.16	0.6393	1.0000	T	0.27	0.80	0.2859	0.8577	T	0.24	1.11	0.4190	1.0000	T	0.28	0.96	0.6487	1.0000	T	0.27	0.99	0.8775	1.0000
<i>IL1RN</i>	rs315952	2	CS	Ast	G	0.31	0.88	0.6546	1.0000	G	0.28	1.00	1.0000	1.0000	G	0.25	1.02	0.8585	1.0000	G	0.28	0.94	0.4848	1.0000	G	0.28	0.97	0.5961	1.0000
<i>IRAK2</i>	rs11465853	3	NC	Ast	G	0.31	1.67	0.1551	1.0000	G	0.33	0.84	0.4364	1.0000	G	0.33	0.83	0.1140	1.0000	G	0.32	1.04	0.6598	1.0000	G	0.32	0.97	0.6318	1.0000
<i>IRAK2</i>	rs708030	3	NC	Ast	G	0.49	0.89	0.6743	1.0000	G	0.48	1.06	0.7630	1.0000	G	0.44	1.09	0.3910	1.0000	G	0.48	1.03	0.6820	1.0000	G	0.48	1.05	0.4293	1.0000
<i>IRAK2</i>	rs2619508	3	NC	Ast	A	0.44	0.86	0.5789	1.0000	A	0.43	1.35	0.1348	1.0000	A	0.42	1.11	0.3146	1.0000	A	0.43	0.85	0.0344	1.0000	A	0.43	0.96	0.4919	1.0000
<i>IRAK2</i>	rs11465861	3	NC	Ast	C	0.19	0.78	0.4789	1.0000	C	0.20	1.47	0.1026	1.0000	C	0.19	1.17	0.2048	1.0000	C	0.20	0.90	0.2604	1.0000	C	0.20	1.02	0.8033	1.0000
<i>IRAK2</i>	rs1681663	3	NC	Ast	T	0.24	1.11	0.7518	1.0000	T	0.22	1.18	0.4792	1.0000	T	0.24	0.95	0.6751	1.0000	T	0.22	0.94	0.5343	1.0000	T	0.23	0.97	0.6697	1.0000
<i>IRAK2</i>	rs1169670	3	NC	Ast	C	0.39	1.18	0.5635	1.0000	C	0.39	0.83	0.3554	1.0000	C	0.41	0.82	0.0554	1.0000	C	0.39	1.17	0.0476	1.0000	C	0.39	1.01	0.7998	1.0000
<i>IRAK2</i>	rs1177614	3	NC	Ast	C	0.23	1.18	0.6217	1.0000	C	0.22	1.27	0.2981	1.0000	C	0.23	0.95	0.6740	1.0000	C	0.22	0.92	0.3453	1.0000	C	0.22	0.96	0.5968	1.0000
<i>IRAK2</i>	rs155266	3	NC	Ast	T	0.41	0.59	0.0672	1.0000	T	0.43	1.11	0.6152	1.0000	T	0.39	1.36	0.2402	1.0000	T	0.44	0.84	0.0255	1.0000	T	0.43	0.88	0.0548	1.0000
<i>IRAK2</i>	rs1144911	3	NC	Ast	A	0.40	1.17	0.5789	1.0000	A	0.39	0.85	0.4139	1.0000	A	0.40	0.87	0.1865	1.0000	A	0.39	1.13	0.1098	1.0000	A	0.40	1.02	0.7225	1.0000
<i>IRAK2</i>	rs155584	3	NC	Ast	C	0.41	0.65	0.1220	1.0000	C	0.44	1.16	0.4771	1.0000	C	0.40	1.17	0.1285	1.0000	C	0.44	0.85	0.0386	1.0000	C	0.43	0.95	0.4008	1.0000
<i>IRAK2</i>	rs263408	3	NC	Ast	G	0.07	6.00	0.0465	1.0000	G	0.07	1.00	1.0000	1.0000	G	0.10	1.21	0.2079	1.0000	G	0.09	0.96	0.7283	1.0000	G	0.09	1.08	0.4332	1.0000
<i>IRAK2</i>	rs263410	3	NC	Ast	T	0.16	1.70	0.1755	1.0000	T	0.14	1.08	0.7773	1.0000	T	0.15	1.54	0.2550	1.0000	T	0.13	1.07	0.5399	1.0000	T	0.14	1.13	0.2078	1.0000
<i>IRAK2</i>	rs263412	3	NC	Ast	G	0.08	1.17	0.7814	1.0000	G	0.08	0.83	0.6013	1.0000	G	0.11	1.19	0.2588	1.0000	G	0.10	0.84	0.1817	1.0000	G	0.09	0.97	0.7248	1.0000
<i>IRAK2</i>	rs1169674	3	NC	Ast	A	0.01	*	0.2390	1.0000	A	0.01	1.33	0.7050	1.0000	A	0.00	0.27	0.1327	1.0000	A	0.01	0.58	0.1012	1.0000	A	0.01	0.58	0.0543	1.0000
<i>IRAK2</i>	rs459864	3	NC	Ast	A	0.15	1.46	0.3345	1.0000	A	0.14	1.13	0.6743	1.0000	A	0.17	0.94	0.6421	1.0000	A	0.14	1.07	0.5235	1.0000	A	0.15	1.04	0.6171	1.0000
<i>IRAK2</i>	rs464286	3	CS	Ast	C	0.07	3.00	0.1480	1.0000	C	0.07	0.79	0.5480	1.0000	C	0.08	1.26	0.1596	1.0000	C	0.07	0.92	0.5446	1.0000	C	0.07	1.05	0.6153	1.0000
<i>IRAK2</i>	rs2302859	3	NC	Ast	G	0.23	2.56	0.0118	0.4614	G	0.22	1.09	0.7218	1.0000	G	0.24	1.04	0.7389	1.0000	G	0.22	1.07	0.4856	1.0000	G	0.22	1.09	0.2033	1.0000
<i>IRAK2</i>	rs3844283	3	CNS	Ast	G	0.43	0.58	0.0508	1.0000	G	0.43	0.94	0.7630	1.0000	G	0.37	1.17	0.1372	1.0000	G	0.43	0.99	0.8465	1.0000	G	0.42	1.01	0.8625	1.0000
<i>IRAK2</i>	rs779905	3	NC	Ast	T	0.14	2.25	0.0469	1.0000	T	0.14	1.15	0.5928	1.0000	T	0.14	0.84	0.2091	1.0000	T	0.13	1.06	0.6110	1.0000	T	0.14	1.02	0.8359	1.0000
<i>IRAK2</i>	rs776514	3	NC	Ast	A	0.43	1.23	0.4747	1.0000	A	0.43	0.94	0.7697	1.0000	A	0.47	0.98	0.8378	1.0000	A	0.44	1.00	0.9977	1.0000	A	0.44	1.00	0.9560	1.0000
<i>IRAK2</i>	rs708035	3	CNS	Ast	A	0.36	1.04	0.8840	1.0000	A	0.36	0.98	0.9191	1.0000	A	0.39	0.89	0.2959	1.0000	A	0.37	1.03	0.7145	1.0000	A	0.37	0.98	0.7710	1.0000
<i>IRAK2</i>	rs11706450	3	NC	Ast	C	0.52	0.70	0.2064	1.0000	T	0.48	1.06	0.7606	1.0000	T	0.52	0.77	0.0208	0.8214	T	0.48	0.98	0.7497	1.0000	T	0.49	0.94	0.2597	1.0000
<i>IRAK2</i>	rs713016	3	NC	Ast	A	0.12	1.89	0.1137	1.0000	A	0.12	1.04	0.8840	1.0000	A	0.13	0.80	0.1225	1.0000	A	0.11	0.89	0.3540	1.0000	A	0.12	0.90	0.2272	1.0000
<i>IRAK2</i>	rs11465932	3	NC	Ast	T	0.52	0.70	0.2064	1.0000	C	0.48	1.06	0.7606	1.0000	C	0.52	0.76	0.0130	0.5160	C	0.48	0.98	0.8041	1.0000	C	0.49	0.93	0.2479	1.0000
<i>IRAK4</i>	rs10880565	12	NC	Ast	C	0.10	0.90	0.8185	1.0000	C	0.10	1.46	0.2874	1.0000	C	0.11	1.12	0.5018	1.0000	C	0.11	0.92	0.5002	1.0000	C	0.10	1.01	0.9252	1.0000
<i>IRAK4</i>	rs4251431	12	NC	Ast	T	0.08	1.14	0.7962	1.0000	T	0.08	1.60	0.2372	1.0000	T	0.10	1.21	0.2883	1.0000	T	0.09	1.01	0.9508	1.0000	T	0.09	1.10	0.3195	1.0000
<i>IRAK4</i>	rs1461567	12	NC	Ast	A	0.31	1.00	1.0000	1.0000	A	0.26	0.76	0.2209	1.0000	A	0.24	1.05	0.6773	1.0000	A	0.28	1.03	0.7307	1.0000	A	0.28	1.01	0.8946	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>IRAK4</i>	rs4251513	12	NC	Ast	G	0.47	0.92	0.7728	1.0000	C	0.48	0.94	0.7630	1.0000	C	0.44	1.05	0.6698	1.0000	C	0.50	1.04	0.5626	1.0000	C	0.49	1.04	0.5195	1.0000
<i>IRAK4</i>	rs4251565	12	NC	Ast	C	0.08	1.13	0.8083	1.0000	C	0.07	1.20	0.6696	1.0000	C	0.03	0.93	0.7854	1.0000	C	0.07	0.99	0.9301	1.0000	C	0.07	1.00	0.9911	1.0000
<i>IRAK4</i>	rs6582484	12	NC	Ast	G	0.18	2.14	0.0845	1.0000	G	0.15	1.09	0.7680	1.0000	G	0.11	1.26	0.1381	1.0000	G	0.15	1.09	0.4194	1.0000	G	0.15	1.16	0.0689	1.0000
<i>LBP</i>	rs1780616	20	NC	Ast	A	0.34	0.52	0.0333	0.6983	A	0.37	1.32	0.1816	1.0000	A	0.36	0.93	0.5009	1.0000	A	0.37	1.16	0.0539	0.9704	A	0.36	1.07	0.2792	1.0000
<i>LBP</i>	rs5741812	20	NC	Ast	T	0.12	1.57	0.3438	1.0000	T	0.11	1.19	0.5551	1.0000	T	0.14	0.56	0.1279	1.0000	T	0.12	0.76	0.0213	0.3836	T	0.12	0.81	0.0447	0.9397
<i>LBP</i>	rs2232571	20	NC	Ast	C	0.19	1.00	1.0000	1.0000	C	0.17	1.32	0.3262	1.0000						C	0.17	0.82	0.0469	0.8437	C	0.18	0.87	0.1360	1.0000
<i>LBP</i>	rs2232580	20	CNS	Ast	T	0.08	3.00	0.0764	1.0000	T	0.06	1.64	0.1914	1.0000	T	0.09	0.96	0.8430	1.0000						T	0.08	1.17	0.3572	1.0000
<i>LBP</i>	rs1609800	20	NC	Ast	A	0.57	0.83	0.5462	1.0000	T	0.43	0.78	0.1996	1.0000	T	0.45	1.02	0.8762	1.0000	T	0.44	1.06	0.4265	1.0000	T	0.44	1.02	0.6694	1.0000
<i>LBP</i>	rs6014804	20	NC	Ast	G	0.16	1.67	0.2182	1.0000	G	0.13	1.26	0.4049	1.0000	G	0.13	1.03	0.8307	1.0000	G	0.14	0.82	0.0779	1.0000	G	0.14	0.94	0.4843	1.0000
<i>LBP</i>	rs11536949	20	NC	Ast	T	0.08	1.63	0.2729	1.0000	T	0.10	1.82	0.1035	1.0000	T	0.07	0.77	0.2309	1.0000	T	0.09	1.10	0.4625	1.0000	T	0.09	1.08	0.4610	1.0000
<i>LBP</i>	rs12624843	20	NC	Ast	A	0.38	0.85	0.5714	1.0000	A	0.41	0.94	0.7630	1.0000	A	0.40	0.90	0.3528	1.0000	A	0.40	1.11	0.1876	1.0000	A	0.40	1.02	0.7684	1.0000
<i>LBP</i>	rs1780627	20	NC	Ast	A	0.44	1.21	0.5368	1.0000	A	0.43	0.81	0.3019	1.0000	A	0.41	1.04	0.7087	1.0000	A	0.45	1.03	0.7167	1.0000	A	0.44	1.02	0.7590	1.0000
<i>LBP</i>	rs11536988	20	NC	Ast	T	0.04	2.00	0.4097	1.0000	T	0.05	1.11	0.8185	1.0000	T	0.03	1.48	0.1477	1.0000						T	0.04	1.41	0.1241	1.0000
<i>LBP</i>	rs2232618	20	CNS	Ast	G	0.10	0.88	0.7962	1.0000	G	0.09	2.09	0.0375	0.7873	G	0.07	1.12	0.5634	1.0000	G	0.09	0.90	0.4121	1.0000	G	0.09	1.03	0.8056	1.0000
<i>LBP</i>	rs745144	20	NC	Ast	T	0.41	1.06	0.8658	1.0000	T	0.42	0.72	0.1053	1.0000	T	0.39	1.03	0.7872	1.0000	T	0.41	1.04	0.6329	1.0000	T	0.41	1.00	0.9443	1.0000
<i>MYD88</i>	rs156265	3	CNS	Ast	C	0.15	1.00	1.0000	1.0000	C	0.13	1.33	0.3165	1.0000	C	0.16	1.13	0.4004	1.0000	C	0.15	0.80	0.0336	0.3021	C	0.15	0.94	0.4097	1.0000
<i>MYD88</i>	rs2239621	3	NC	Ast	T	0.25	1.39	0.2847	1.0000	T	0.27	1.22	0.4057	1.0000	T	0.25	1.02	0.8510	1.0000	T	0.26	1.09	0.3047	1.0000	T	0.26	1.09	0.1754	1.0000
<i>MYD88</i>	rs7625290	3	NC	Ast	C	0.04	1.80	0.2817	1.0000	C	0.05	2.33	0.1996	1.0000	C	0.04	0.90	0.6857	1.0000	C	0.05	1.05	0.7546	1.0000	C	0.05	1.08	0.5560	1.0000
<i>MYD88</i>	rs6853	3	NC	Ast	G	0.11	1.36	0.4319	1.0000	G	0.12	1.08	0.8474	1.0000	G	0.11	0.96	0.8071	1.0000	G	0.12	1.05	0.6730	1.0000	G	0.12	1.04	0.6787	1.0000
<i>MYD88</i>	rs6796045	3	NC	Ast	A	0.07	1.14	0.7962	1.0000	A	0.07	0.73	0.4904	1.0000	A	0.07	0.96	0.8445	1.0000	A	0.07	1.03	0.8373	1.0000	A	0.07	0.99	0.9441	1.0000
<i>NFKB1</i>	rs747559	4	NC	Ast	G	0.38	0.76	0.3650	1.0000	G	0.39	1.07	0.7505	1.0000	G	0.39	0.89	0.2726	1.0000	G	0.40	0.90	0.1803	1.0000	G	0.39	0.90	0.0862	1.0000
<i>NFKB1</i>	rs3774932	4	NC	Ast	A	0.47	1.13	0.6681	1.0000	A	0.46	1.11	0.6040	1.0000	A	0.45	1.03	0.7518	1.0000	A	0.45	1.05	0.4899	1.0000	A	0.46	1.06	0.3519	1.0000
<i>NFKB1</i>	rs3774934	4	NC	Ast	A	0.10	0.89	0.8083	1.0000	A	0.11	1.21	0.5897	1.0000	A	0.09	1.34	0.0765	1.0000	A	0.10	1.16	0.2386	1.0000	A	0.10	1.21	0.0451	1.0000
<i>NFKB1</i>	rs1598857	4	NC	Ast	T	0.38	0.76	0.3650	1.0000	T	0.38	1.00	1.0000	1.0000	T	0.39	0.88	0.2243	1.0000	T	0.39	0.91	0.2217	1.0000	T	0.39	0.90	0.0747	1.0000
<i>NFKB1</i>	rs1598856	4	NC	Ast	T	0.47	1.13	0.6681	1.0000	T	0.46	1.11	0.6040	1.0000	T	0.45	1.04	0.7125	1.0000	T	0.45	1.08	0.3339	1.0000	T	0.45	1.07	0.2424	1.0000
<i>NFKB1</i>	rs230533	4	NC	Ast	A	0.33	0.90	0.7455	1.0000	A	0.33	1.10	0.6625	1.0000	A	0.32	0.92	0.4720	1.0000	A	0.34	0.82	0.0153	0.4141	A	0.33	0.87	0.0291	0.7865
<i>NFKB1</i>	rs4647992	4	NC	Ast	T	0.04	0.40	0.2491	1.0000	T	0.05	0.80	0.6370	1.0000	T	0.07	0.84	0.4302	1.0000	T	0.04	1.24	0.2597	1.0000	T	0.05	1.00	0.9902	1.0000
<i>NFKB1</i>	rs4648004	4	NC	Ast	C	0.36	1.26	0.4453	1.0000	C	0.34	1.07	0.7531	1.0000	C	0.35	0.97	0.7477	1.0000	C	0.34	1.01	0.8938	1.0000	C	0.34	1.01	0.8727	1.0000
<i>NFKB1</i>	rs230510	4	NC	Ast	A	0.46	1.18	0.5635	1.0000	A	0.45	1.13	0.5402	1.0000	A	0.44	1.09	0.4309	1.0000	A	0.44	1.07	0.3767	1.0000	A	0.45	1.08	0.1631	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
NFKB1	rs4648022	4	NC	Ast	A	0.08	1.29	0.6166	1.0000	A	0.08	0.63	0.2372	1.0000	A	0.08	1.11	0.5406	1.0000	A	0.09	1.15	0.2891	1.0000	A	0.08	1.10	0.3439	1.0000
NFKB1	rs230542	4	NC	Ast	T	0.34	0.91	0.7576	1.0000	T	0.34	1.05	0.8312	1.0000	T	0.33	0.91	0.3935	1.0000	T	0.35	0.85	0.0454	1.0000	T	0.34	0.89	0.0470	1.0000
NFKB1	rs1598859	4	NC	Ast	C	0.35	0.83	0.5462	1.0000	C	0.35	1.02	0.9136	1.0000	C	0.34	0.89	0.2646	1.0000	C	0.37	0.87	0.0788	1.0000	C	0.36	0.89	0.0410	1.0000
NFKB1	rs11722146	4	NC	Ast	A	0.29	0.71	0.2731	1.0000	A	0.30	0.91	0.6662	1.0000	A	0.29	0.91	0.3738	1.0000	A	0.31	0.84	0.0393	1.0000	A	0.30	0.86	0.0169	0.4565
NFKB1	rs4648090	4	NC	Ast	A	0.14	2.22	0.0386	1.0000	A	0.12	0.86	0.6308	1.0000	A	0.13	1.10	0.5147	1.0000	A	0.13	1.09	0.4175	1.0000	A	0.13	1.12	0.1906	1.0000
NFKB1	rs4648110	4	NC	Ast	T	0.21	1.56	0.1582	1.0000	T	0.19	0.91	0.7008	1.0000	T	0.20	1.13	0.3280	1.0000	T	0.20	1.11	0.2538	1.0000	T	0.20	1.12	0.1065	1.0000
NFKB1	rs230547	4	NC	Ast	A	0.09	0.75	0.5923	1.0000	A	0.11	1.23	0.5771	1.0000	A	0.10	1.29	0.1448	1.0000	A	0.09	1.07	0.6225	1.0000	A	0.10	1.13	0.2103	1.0000
NFKB1	rs997476	4	NC	Ast	A	0.06	0.89	0.8083	1.0000	A	0.06	1.14	0.7149	1.0000	A	0.07	1.12	0.5633	1.0000	A	0.06	1.08	0.6266	1.0000	A	0.06	1.09	0.4584	1.0000
NFKB2	rs7076748	10	NC	Ast	G	0.27	1.47	0.2484	1.0000	G	0.27	1.42	0.1166	0.6996	G	0.27	1.09	0.4350	1.0000	G	0.28	1.09	0.3275	1.0000	G	0.27	1.12	0.0654	0.3925
NFKB2	rs7897947	10	NC	Ast	G	0.21	1.39	0.3681	1.0000	G	0.22	1.31	0.3010	1.0000	G	0.22	1.16	0.2194	1.0000	G	0.21	1.04	0.6442	1.0000	G	0.21	1.11	0.1338	0.8028
NFKB2	rs1056890	10	NC	Ast	T	0.34	0.46	0.0262	0.1569	T	0.32	0.68	0.1111	0.6666	T	0.29	1.01	0.9031	1.0000	T	0.33	1.11	0.2140	1.0000	T	0.32	1.01	0.8324	1.0000
NFKBIA	rs7152826	14	NC	Ast	C	0.38	1.33	0.2842	1.0000	C	0.41	1.63	0.0212	0.3812	C	0.39	1.06	0.5799	1.0000	C	0.39	1.02	0.8324	1.0000	C	0.39	1.08	0.1800	1.0000
NFKBIA	rs3138056	14	NC	Ast	A	0.32	1.14	0.6616	1.0000	A	0.30	0.70	0.1166	1.0000	A	0.30	1.01	0.9071	1.0000	A	0.31	0.92	0.3182	1.0000	A	0.31	0.94	0.2957	1.0000
NFKBIA	rs3138055	14	NC	Ast	C	0.25	1.25	0.5045	1.0000	C	0.29	1.40	0.1257	1.0000	C	0.26	0.99	0.9559	1.0000	C	0.28	1.04	0.6315	1.0000	C	0.27	1.06	0.3713	1.0000
NFKBIA	rs696	14	NC	Ast	T	0.41	0.92	0.7680	1.0000	T	0.38	1.02	0.9165	1.0000	T	0.45	1.04	0.6815	1.0000	T	0.37	0.99	0.9434	1.0000	T	0.39	1.01	0.8787	1.0000
NFKBIA	rs2233419	14	NC	Ast	A	0.18	1.39	0.3681	1.0000	A	0.18	0.61	0.0647	1.0000	A	0.14	0.93	0.6528	1.0000	A	0.19	0.96	0.6533	1.0000	A	0.18	0.93	0.3561	1.0000
NFKBIA	rs10782383	14	CS	Ast	T	0.22	0.90	0.7518	1.0000	T	0.20	0.56	0.0235	0.4230	T	0.19	1.03	0.8428	1.0000	T	0.22	0.99	0.9249	1.0000	T	0.21	0.95	0.5039	1.0000
NFKBIA	rs1957106	14	CS	Ast	A	0.30	1.05	0.8728	1.0000						A	0.32	0.96	0.7125	1.0000	A	0.30	1.03	0.6975	1.0000	A	0.31	1.01	0.9140	1.0000
NFKBIA	rs2233407	14	NC	Ast	T	0.05	1.75	0.3627	1.0000	T	0.05	1.09	0.8348	1.0000	T	0.02	1.37	0.4314	1.0000	T	0.06	0.96	0.7833	1.0000	T	0.05	1.05	0.7440	1.0000
NFKBIA	rs3138052	14	NC	Ast	G	0.28	1.00	1.0000	1.0000	G	0.25	0.56	0.0235	0.4230											G	0.27	0.70	0.0768	1.0000
NFKBIA	rs3138045	14	NC	Ast	G	0.21	0.83	0.6013	1.0000	G	0.19	0.64	0.1010	1.0000	G	0.16	1.21	0.1495	1.0000	G	0.20	0.94	0.5376	1.0000	G	0.19	0.98	0.8304	1.0000
NFKBIB	rs7251489	19	NC	Ast	T	0.08	1.17	0.7814	1.0000	T	0.07	1.25	0.5633	1.0000	T	0.07	0.82	0.3445	1.0000	T	0.07	1.10	0.5532	1.0000	T	0.07	1.02	0.8753	1.0000
NFKBIB	rs10410544	19	NC	Ast	A	0.42	0.85	0.5714	1.0000	A	0.44	1.24	0.2967	1.0000	A	0.43	0.95	0.6473	1.0000	A	0.48	0.90	0.1559	1.0000	A	0.45	0.94	0.2487	1.0000
NFKBIB	rs4802998	19	NC	Ast	G	0.36	0.92	0.7728	1.0000	G	0.38	1.25	0.2913	1.0000	G	0.35	0.90	0.3571	1.0000	G	0.41	0.91	0.2024	1.0000	G	0.39	0.93	0.2153	1.0000
NFKBIB	rs2053071	19	NC	Ast	G	0.39	0.92	0.7728	1.0000	G	0.38	0.66	0.0611	1.0000	G	0.40	1.00	1.0000	1.0000	G	0.35	1.14	0.1012	1.0000	G	0.37	1.04	0.5110	1.0000
NFKBIB	rs4803006	19	NC	Ast	T	0.36	0.84	0.5551	1.0000	T	0.38	1.23	0.3342	1.0000	T	0.36	0.82	0.0620	1.0000	T	0.40	0.87	0.0722	1.0000	T	0.38	0.88	0.0244	0.4385
NFKBIB	rs2241704	19	NC	Ast	T	0.22	1.00	1.0000	1.0000	T	0.22	0.60	0.0397	0.7141	T	0.25	0.96	0.7622	1.0000	T	0.21	1.20	0.0515	0.9272	T	0.22	1.05	0.5001	1.0000
NFKBIB	rs3136641	19	NC	Ast	A	0.25	1.75	0.1149	1.0000	A	0.24	1.29	0.3167	1.0000	A	0.24	1.17	0.2047	1.0000	A	0.24	0.99	0.8706	1.0000	A	0.24	1.08	0.2474	1.0000
NFKBIB	rs3136646	19	NC	Ast	T	0.23	0.74	0.3419	1.0000	T	0.24	0.89	0.6373	1.0000	T	0.24	0.96	0.7569	1.0000	T	0.22	1.22	0.0280	0.5033	T	0.23	1.08	0.2554	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>NFKB1B</i>	rs9403	19	NC	Ast	G	0.38	1.26	0.4049	1.0000	G	0.35	0.73	0.1734	1.0000	G	0.36	1.08	0.5062	1.0000	G	0.33	0.94	0.4633	1.0000	G	0.35	0.98	0.7093	1.0000
<i>NFKB1E</i>	rs13296	6	CS	Ast	T	0.33	1.30	0.3356	1.0000	T	0.31	0.86	0.5470	1.0000	T	0.27	0.94	0.5761	1.0000	T	0.31	0.89	0.1793	1.0000	T	0.31	0.92	0.2079	1.0000
<i>NFKB1E</i>	rs1875324	6	CS	Ast											T	0.23	0.88	0.3091	1.0000						T	0.23	0.88	0.3091	1.0000
<i>NFKB1E</i>	rs520639	6	NC	Ast	A	0.13	1.40	0.4131	1.0000	A	0.14	0.88	0.7236	1.0000	A	0.13	1.02	0.8795	1.0000	A	0.12	1.09	0.4535	1.0000	A	0.13	1.07	0.4615	1.0000
<i>NFKB1E</i>	rs2282151	6	NC	Ast	G	0.21	0.55	0.1035	1.0000	G	0.21	0.89	0.6325	1.0000	G	0.25	0.99	0.9499	1.0000	G	0.23	1.15	0.1169	1.0000	G	0.22	1.05	0.4783	1.0000
<i>NFKB1E</i>	rs730775	6	NC	Ast	G	0.42	0.61	0.0881	0.9871	G	0.41	1.74	0.0121	0.1343	G	0.43	0.98	0.8366	1.0000	G	0.42	1.09	0.2733	1.0000	G	0.42	1.06	0.3032	1.0000
<i>NFKB1E</i>	rs483536	6	NC	Ast	A	0.33	2.60	0.0066	0.0745	A	0.38	0.63	0.0256	0.2853	A	0.32	0.89	0.2618	1.0000	A	0.36	0.91	0.2434	1.0000	A	0.35	0.90	0.0919	1.0000
<i>TICAM1</i>	rs1046673	19	NC	Ast	A	0.14	1.18	0.6829	1.0000	A	0.13	1.05	0.8728	1.0000	A	0.17	0.99	0.9482	1.0000	A	0.15	1.05	0.6698	1.0000	A	0.15	1.03	0.6946	1.0000
<i>TICAM1</i>	rs2292151	19	CS	Ast	A	0.23	1.41	0.2731	1.0000	A	0.26	0.66	0.0781	0.6296	A	0.24	1.05	0.7140	1.0000	A	0.24	1.19	0.0531	0.4176	A	0.24	1.10	0.1633	1.0000
<i>TICAM1</i>	rs4807651	19	NC	Ast	G	0.37	0.96	0.8864	1.0000	G	0.40	0.74	0.1436	1.0000	G	0.37	0.84	0.1146	0.9095	G	0.38	1.06	0.4522	1.0000	G	0.38	0.96	0.4596	1.0000
<i>TICAM1</i>	rs4807000	19	NC	Ast	A	0.38	1.43	0.2064	1.0000	A	0.39	1.12	0.5599	1.0000	A	0.40	1.16	0.1617	1.0000	A	0.40	0.88	0.1086	0.8549	A	0.39	1.00	0.9911	1.0000
<i>TIRAP</i>	rs594318	11	NC	Ast						C	0.23	1.37	0.2957	1.0000											C	0.23	1.37	0.2957	1.0000
<i>TIRAP</i>	rs591163	11	NC	Ast	T	0.23	0.71	0.3162	1.0000	T	0.22	0.72	0.1845	1.0000	T	0.28	0.95	0.6495	1.0000	T	0.23	0.90	0.2553	1.0000	T	0.23	0.89	0.0951	1.0000
<i>TIRAP</i>	rs672908	11	NC	Ast	G	0.23	0.71	0.3162	1.0000	G	0.22	0.70	0.1446	1.0000	G	0.28	0.96	0.6895	1.0000	G	0.23	0.91	0.2920	1.0000	G	0.23	0.90	0.1072	1.0000
<i>TIRAP</i>	rs671492	11	NC	Ast	T	0.25	1.33	0.3972	1.0000	T	0.26	1.46	0.1325	1.0000	T	0.21	0.91	0.4632	1.0000	T	0.24	1.13	0.1624	1.0000	T	0.24	1.09	0.1938	1.0000
<i>TIRAP</i>	rs10893493	11	NC	Ast	G	0.12	1.18	0.6829	1.0000	G	0.11	0.47	0.0560	1.0000	G	0.10	0.98	0.9244	1.0000	G	0.12	1.04	0.7350	1.0000	G	0.12	0.99	0.8851	1.0000
<i>TIRAP</i>	rs8177352	11	NC	Ast	C	0.20	1.12	0.7388	1.0000	C	0.19	1.14	0.6616	1.0000	C	0.24	1.13	0.3119	1.0000	C	0.20	1.09	0.3553	1.0000	C	0.20	1.11	0.1449	1.0000
<i>TIRAP</i>	rs595022	11	NC	Ast	A	0.24	0.80	0.5045	1.0000	A	0.26	0.97	0.9013	1.0000	A	0.22	0.98	0.8461	1.0000	A	0.27	0.90	0.2138	1.0000	A	0.25	0.92	0.2135	1.0000
<i>TIRAP</i>	rs646005	11	NC	Ast	G	0.39	0.79	0.4049	1.0000	G	0.38	0.87	0.5175	1.0000	G	0.48	1.03	0.7853	1.0000	G	0.40	0.98	0.7681	1.0000	G	0.40	0.97	0.6652	1.0000
<i>TIRAP</i>	rs1392060	11	NC	Ast	C	0.12	1.18	0.6829	1.0000	C	0.11	0.88	0.7236	1.0000	C	0.10	0.98	0.9244	1.0000	C	0.13	1.03	0.8167	1.0000	C	0.12	1.01	0.8886	1.0000
<i>TIRAP</i>	rs1893352	11	NC	Ast	C	0.15	0.88	0.7149	1.0000	C	0.16	1.23	0.5160	1.0000	C	0.20	1.13	0.3335	1.0000	C	0.17	1.12	0.2825	1.0000	C	0.17	1.12	0.1482	1.0000
<i>TIRAP</i>	rs8177371	11	NC	Ast	T	0.12	1.46	0.3345	1.0000	T	0.11	0.94	0.8618	1.0000	T	0.10	0.98	0.9263	1.0000						T	0.11	1.03	0.8216	1.0000
<i>TIRAP</i>	rs12272651	11	NC	Ast	G	0.05	1.67	0.4772	1.0000	G	0.04	0.88	0.7962	1.0000	G	0.05	1.09	0.7254	1.0000	G	0.03	0.97	0.8919	1.0000	G	0.04	1.03	0.8379	1.0000
<i>TLR1</i>	rs4543123	4	NC	Ast	G	0.21	1.17	0.6308	1.0000	G	0.24	0.82	0.4057	1.0000	G	0.20	1.03	0.8442	1.0000	G	0.21	0.83	0.0424	0.3812	G	0.21	0.89	0.1167	1.0000
<i>TLR1</i>	rs4833095	4	CNS	Ast	G	0.23	1.41	0.2731	1.0000	G	0.26	0.82	0.4123	1.0000	G	0.21	1.05	0.6961	1.0000	G	0.22	0.85	0.0788	0.7091	G	0.22	0.92	0.2633	1.0000
<i>TLR1</i>	rs5743611	4	CNS	Ast	C	0.11	0.89	0.8083	1.0000	C	0.12	0.85	0.6217	1.0000	C	0.08	1.09	0.6861	1.0000	C	0.09	0.97	0.8135	1.0000	C	0.10	0.98	0.8551	1.0000
<i>TLR1</i>	rs5743594	4	NC	Ast	T	0.20	1.21	0.5897	1.0000	T	0.18	1.18	0.5218	1.0000	T	0.22	1.04	0.7400	1.0000	T	0.21	1.03	0.7615	1.0000	T	0.20	1.05	0.4842	1.0000
<i>TLR1</i>	rs5743562	4	NC	Ast	C	0.16	1.12	0.7388	1.0000	C	0.19	0.81	0.4304	1.0000	C	0.15	1.00	1.0000	1.0000	C	0.17	0.94	0.5754	1.0000	C	0.17	0.96	0.5643	1.0000
<i>TLR1</i>	rs5743551	4	NC	Ast	C	0.23	1.33	0.3537	1.0000	C	0.25	0.97	0.9068	1.0000	C	0.21	1.02	0.8973	1.0000	C	0.22	0.85	0.0901	0.8108	C	0.23	0.93	0.3011	1.0000

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Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
TLR1	rs4833103	4	NC	Ast	T	0.52	0.67	0.2044	1.0000	G	0.48	1.02	0.9183	1.0000	G	0.47	1.05	0.6040	1.0000	G	0.46	0.92	0.2746	1.0000	G	0.47	0.98	0.7796	1.0000
TLR10	rs10008492	4	NC	Ast	T	0.38	1.04	0.8886	1.0000	T	0.40	0.67	0.0569	0.4529	T	0.33	1.02	0.8666	1.0000	T	0.34	0.92	0.3013	1.0000	T	0.36	0.93	0.2265	1.0000
TLR10	rs10776483	4	CS	Ast	C	0.19	0.85	0.6217	1.0000	C	0.20	0.61	0.0536	0.4259	C	0.17	1.06	0.6858	1.0000	C	0.19	0.90	0.2621	1.0000	C	0.19	0.91	0.1974	1.0000
TLR10	rs11096957	4	CNS	Ast	G	0.34	0.93	0.7815	1.0000	G	0.37	0.63	0.0323	0.2565	G	0.29	0.99	0.9536	1.0000	G	0.32	0.87	0.0868	0.6431	G	0.33	0.88	0.0434	0.3340
TLR10	rs10856838	4	CS	Ast	T	0.18	0.88	0.7236	1.0000	T	0.18	0.62	0.0782	0.6220	T	0.14	0.93	0.6352	1.0000	T	0.15	0.86	0.1609	1.0000	T	0.16	0.85	0.0532	0.4089
TLR10	rs4130727	4	NC	Ast	C	0.14	1.22	0.6545	1.0000	C	0.16	0.74	0.2754	1.0000	C	0.12	0.87	0.4204	1.0000	C	0.12	0.87	0.2216	1.0000	C	0.13	0.86	0.1052	0.8090
TLR10	rs10004195	4	NC	Ast	T	0.22	1.22	0.5267	1.0000	T	0.24	0.87	0.5528	1.0000	T	0.20	1.02	0.8955	1.0000	T	0.21	0.85	0.0812	0.6020	T	0.22	0.91	0.1980	1.0000
TLR2	rs13150331	4	NC	Ast	G	0.43	0.62	0.1070	1.0000	G	0.43	1.23	0.3342	1.0000	G	0.43	1.00	1.0000	1.0000	G	0.40	0.94	0.4516	1.0000	G	0.42	0.96	0.5282	1.0000
TLR2	rs1898830	4	NC	Ast	G	0.36	0.68	0.1879	1.0000	G	0.36	1.09	0.6766	1.0000	G	0.33	0.94	0.5548	1.0000	G	0.32	0.94	0.4191	1.0000	G	0.34	0.94	0.2774	1.0000
TLR2	rs4696483	4	NC	Ast	T	0.13	1.27	0.5480	1.0000	T	0.13	0.75	0.3537	1.0000	T	0.11	1.21	0.2725	1.0000	T	0.13	1.14	0.2679	1.0000	T	0.12	1.12	0.1948	1.0000
TLR2	rs3804100	4	CS	Ast	G	0.07	1.50	0.5257	1.0000	G	0.08	0.94	0.8658	1.0000	G	0.05	1.42	0.1869	1.0000	G	0.07	0.96	0.7540	1.0000	G	0.07	1.05	0.6960	1.0000
TLR2	rs5743704	4	CNS	Ast	T	0.04	1.25	0.7386	1.0000	T	0.04	2.00	0.1924	1.0000	T	0.04	0.68	0.1148	1.0000	T	0.04	0.89	0.5463	1.0000	T	0.04	0.88	0.3492	1.0000
TLR2	rs7656411	4	NC	Ast	C	0.24	1.31	0.4104	1.0000	C	0.25	0.88	0.5687	1.0000	C	0.28	0.95	0.6197	1.0000	C	0.27	0.99	0.8975	1.0000	C	0.26	0.98	0.7026	1.0000
TLR2	rs1339	4	CNS	Ast	G	0.20	1.00	1.0000	1.0000	G	0.20	1.06	0.8084	1.0000	G	0.22	1.05	0.7076	1.0000	G	0.22	0.99	0.9072	1.0000	G	0.21	1.01	0.8491	1.0000
TLR2	rs2289318	4	NC	Ast	C	0.22	1.07	0.8575	1.0000	C	0.20	0.97	0.8981	1.0000	C	0.18	1.08	0.6142	1.0000	C	0.20	1.08	0.4226	1.0000	C	0.20	1.07	0.3763	1.0000
TLR3	rs956239	4	NC	Ast	A	0.16	0.63	0.2372	1.0000	A	0.18	1.33	0.2560	1.0000	A	0.19	1.29	0.0437	0.7875	A	0.16	0.86	0.1508	1.0000	A	0.17	1.02	0.7900	1.0000
TLR3	rs6822014	4	NC	Ast	C	0.21	1.14	0.7149	1.0000	C	0.20	0.69	0.1723	1.0000	C	0.19	0.91	0.4766	1.0000	C	0.20	1.01	0.9221	1.0000	C	0.20	0.96	0.5355	1.0000
TLR3	rs11721827	4	NC	Ast	G	0.15	1.56	0.2952	1.0000	G	0.14	1.28	0.3532	1.0000	G	0.13	1.20	0.2421	1.0000	G	0.16	0.89	0.2751	1.0000	G	0.15	1.02	0.8034	1.0000
TLR3	rs3775296	4	NC	Ast	T	0.20	1.14	0.7149	1.0000	T	0.19	0.96	0.8907	1.0000	T	0.19	0.93	0.5587	1.0000	T	0.19	0.98	0.8550	1.0000	T	0.19	0.97	0.6667	1.0000
TLR3	rs3775291	4	CNS	Ast	T	0.30	1.35	0.3419	1.0000	T	0.32	1.14	0.5315	1.0000	T	0.29	0.99	0.9545	1.0000	T	0.29	0.92	0.3220	1.0000	T	0.30	0.98	0.6908	1.0000
TLR3	rs10025405	4	NC	Ast	G	0.45	1.19	0.5551	1.0000	G	0.44	0.85	0.4281	1.0000	G	0.41	1.07	0.5175	1.0000	G	0.44	0.95	0.5284	1.0000	G	0.43	0.99	0.8052	1.0000
TLR3	rs4862633	4	NC	Ast	A	0.23	0.62	0.1210	1.0000	A	0.23	1.10	0.7098	1.0000	A	0.26	0.96	0.7290	1.0000	A	0.24	1.19	0.0455	0.8190	A	0.24	1.07	0.2893	1.0000
TLR3	rs4608848	4	NC	Ast	C	0.38	0.86	0.5860	1.0000	C	0.36	1.04	0.8366	1.0000	C	0.36	1.05	0.6671	1.0000	C	0.39	1.10	0.2304	1.0000	C	0.37	1.07	0.2787	1.0000
TLR3	rs1519309	4	NC	Ast	G	0.34	0.70	0.2064	1.0000	G	0.35	0.98	0.9146	1.0000	G	0.37	0.95	0.6001	1.0000	G	0.35	1.22	0.0143	0.2579	G	0.35	1.08	0.2171	1.0000
TLR4	rs10759930	9	NC	Ast	T	0.42	1.08	0.7815	1.0000	T	0.40	0.90	0.6040	1.0000	T	0.37	1.07	0.5441	1.0000	T	0.38	0.92	0.2914	1.0000	T	0.39	0.97	0.5717	1.0000
TLR4	rs2737191	9	NC	Ast	G	0.26	1.38	0.3294	1.0000	G	0.27	0.95	0.8252	1.0000	G	0.26	0.91	0.4443	1.0000	G	0.28	1.02	0.8353	1.0000	G	0.27	0.99	0.8951	1.0000
TLR4	rs2770150	9	NC	Ast	G	0.26	1.38	0.3294	1.0000	G	0.27	0.95	0.8252	1.0000	G	0.26	1.24	0.4653	1.0000	G	0.28	1.02	0.7987	1.0000	G	0.27	1.04	0.5766	1.0000
TLR4	rs1927914	9	NC	Ast	C	0.32	0.69	0.2265	1.0000	C	0.33	1.15	0.4815	1.0000	C	0.37	1.01	0.9569	1.0000	C	0.34	1.07	0.3766	1.0000	C	0.34	1.04	0.5080	1.0000
TLR4	rs1927911	9	NC	Ast	A	0.24	0.58	0.1417	1.0000	A	0.26	1.15	0.5125	1.0000	A	0.27	0.99	0.9521	1.0000	A	0.26	1.09	0.3083	1.0000	A	0.26	1.04	0.4994	1.0000

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Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
TLR4	rs11536878	9	NC	Ast	T	0.11	0.62	0.2729	1.0000	T	0.13	1.16	0.6393	1.0000	T	0.11	1.00	1.0000	1.0000	T	0.12	1.15	0.2438	1.0000	T	0.12	1.08	0.4187	1.0000
TLR4	rs1927907	9	NC	Ast	T	0.14	0.67	0.5257	1.0000	T	0.13	0.91	0.7576	1.0000	T	0.15	0.91	0.5463	1.0000	T	0.14	1.04	0.7035	1.0000	T	0.14	0.98	0.8284	1.0000
TLR4	rs11536889	9	NC	Ast	C	0.15	0.92	0.8348	1.0000	C	0.16	0.97	0.8964	1.0000	C	0.17	1.06	0.6844	1.0000	C	0.14	0.79	0.0267	0.7250	C	0.15	0.89	0.1454	1.0000
TLR4	rs7873784	9	NC	Ast	C	0.15	0.56	0.1587	1.0000	C	0.16	1.00	1.0000	1.0000	C	0.16	0.97	0.8263	1.0000	C	0.16	1.16	0.1494	1.0000	C	0.16	1.06	0.4825	1.0000
TLR4	rs11536897	9	NC	Ast	T	0.04	0.20	0.0880	1.0000	T	0.05	0.67	0.3157	1.0000	T	0.07	1.05	0.8292	1.0000	T	0.05	1.41	0.0395	1.0000	T	0.05	1.15	0.2748	1.0000
TLR4	rs1927906	9	NC	Ast	C	0.09	0.91	0.8272	1.0000	C	0.08	1.20	0.6013	1.0000	C	0.13	1.01	0.9356	1.0000	C	0.10	1.01	0.9316	1.0000	C	0.10	1.02	0.8384	1.0000
TLR4	rs1554973	9	NC	Ast	C	0.25	0.69	0.2265	1.0000	C	0.24	1.11	0.6505	1.0000	C	0.29	0.99	0.9537	1.0000	C	0.26	1.10	0.2565	1.0000	C	0.26	1.05	0.4926	1.0000
TLR4	rs913930	9	NC	Ast	C	0.33	1.28	0.4343	1.0000	C	0.35	1.00	1.0000	1.0000	C	0.34	0.93	0.5101	1.0000	C	0.36	1.00	0.9803	1.0000	C	0.34	0.99	0.8472	1.0000
TLR4	rs1927905	9	NC	Ast	G	0.04	0.20	0.0880	1.0000	G	0.06	0.80	0.5633	1.0000	G	0.08	1.02	0.9156	1.0000	G	0.06	1.37	0.0580	1.0000	G	0.06	1.14	0.3015	1.0000
TLR4	rs7045953	9	NC	Ast	C	0.16	0.56	0.1587	1.0000	C	0.16	1.08	0.7815	1.0000	C	0.16	0.94	0.6633	1.0000	C	0.16	1.14	0.1948	1.0000	C	0.16	1.04	0.5799	1.0000
TLR5	rs2241096	1	NC	Ast	A	0.10	0.90	0.8185	1.0000	A	0.11	1.36	0.3832	1.0000	A	0.09	1.42	0.0464	0.4172	A	0.10	1.10	0.4611	1.0000	A	0.10	1.20	0.0640	0.5762
TLR5	rs2096141	1	NC	Ast	T	0.47	0.87	0.6472	1.0000	T	0.49	1.00	1.0000	1.0000	T	0.48	0.87	0.1551	1.0000	T	0.47	0.98	0.7624	1.0000	T	0.48	0.94	0.2581	1.0000
TLR5	rs5744105	1	NC	Ast	G	0.48	1.04	0.8840	1.0000	C	0.49	0.92	0.6891	1.0000	C	0.50	1.09	0.3841	1.0000	G	0.49	0.93	0.3745	1.0000	G	0.49	0.94	0.3069	1.0000
TLR5	rs5744097	1	NC	Ast	A	0.04	1.20	0.7629	1.0000	A	0.04	0.80	0.7386	1.0000	A	0.03	0.68	0.2475	1.0000	A	0.04	1.05	0.8057	1.0000	A	0.04	0.95	0.7249	1.0000
TLR6	rs7696175	4	NC	Ast	A	0.43	1.00	1.0000	1.0000	A	0.42	1.07	0.7557	1.0000	A	0.45	0.92	0.4371	1.0000	A	0.45	1.13	0.1148	1.0000	A	0.44	1.05	0.3964	1.0000
TLR6	rs5743810	4	CNS	Ast	T	0.41	0.86	0.6308	1.0000	T	0.40	1.06	0.8137	1.0000						T	0.44	1.09	0.2939	1.0000	T	0.43	1.07	0.3498	1.0000
TLR6	rs1039559	4	NC	Ast	C	0.47	1.00	1.0000	1.0000	C	0.45	1.07	0.7505	1.0000	T	0.50	1.00	1.0000	1.0000	C	0.49	1.09	0.2473	1.0000	C	0.48	1.08	0.2599	1.0000
TLR6	rs5743806	4	NC	Ast	G	0.34	0.96	0.8840	1.0000	G	0.33	0.93	0.7357	1.0000	G	0.34	1.25	0.0442	0.3982	G	0.31	0.97	0.7471	1.0000	G	0.32	1.05	0.4533	1.0000
TLR6	rs5743794	4	NC	Ast	A	0.17	1.06	0.8618	1.0000	A	0.19	0.84	0.5148	1.0000	A	0.16	0.90	0.4508	1.0000	A	0.17	0.99	0.9219	1.0000	A	0.17	0.95	0.5222	1.0000
TLR6	rs6531670	4	NC	Ast	G	0.34	0.96	0.8840	1.0000	G	0.33	0.95	0.8231	1.0000	G	0.34	1.25	0.0442	0.3982	G	0.31	0.97	0.7447	1.0000	G	0.32	1.05	0.4362	1.0000
TLR9	rs352163	3	NC	Ast	G	0.46	1.00	1.0000	1.0000	G	0.45	1.07	0.7557	1.0000	G	0.44	1.18	0.1133	0.8609	G	0.48	1.06	0.4092	1.0000	G	0.46	1.10	0.1131	0.8632
TLR9	rs352140	3	CS	Ast	C	0.46	1.08	0.7773	1.0000	C	0.45	0.94	0.7557	1.0000	C	0.43	1.14	0.2257	1.0000	C	0.47	1.08	0.2916	1.0000	C	0.46	1.09	0.1503	1.0000
TLR9	rs187084	3	NC	Ast	G	0.41	0.55	0.0510	0.3905	G	0.41	1.04	0.8330	1.0000	G	0.42	0.79	0.0286	0.2174	G	0.39	0.91	0.2272	1.0000	G	0.40	0.86	0.0146	0.1117
TLR9	rs352143	3	CS	Ast	G	0.20	1.20	0.6013	1.0000	G	0.20	1.18	0.5635	1.0000	G	0.21	0.99	0.9068	1.0000	G	0.21	1.16	0.1057	0.8107	G	0.21	1.10	0.1685	1.0000
TLR9	rs11717574	3	NC	Ast	C	0.16	1.89	0.1137	0.8712	C	0.15	1.11	0.7518	1.0000	C	0.15	1.18	0.2242	1.0000	C	0.16	1.06	0.5887	1.0000	C	0.16	1.12	0.1355	1.0000
TOLLIP	rs3750919	11	NC	Ast	A	0.25	0.83	0.6013	1.0000	A	0.20	1.04	0.8907	1.0000	A	0.23	0.95	0.6635	1.0000	A	0.23	1.00	0.9515	1.0000	A	0.23	0.98	0.7919	1.0000
TOLLIP	rs5744038	11	NC	Ast	C	0.06	1.67	0.4772	1.0000	C	0.07	1.20	0.6696	1.0000	C	0.03	1.32	0.2916	1.0000	C	0.07	1.09	0.5760	1.0000	C	0.06	1.16	0.2305	1.0000
TOLLIP	rs3829223	11	NC	Ast						G	0.47	1.17	0.5285	1.0000	G	0.45	1.15	0.1748	1.0000	G	0.48	1.08	0.3272	1.0000	G	0.47	1.11	0.0886	1.0000
TOLLIP	rs3793964	11	NC	Ast	A	0.39	0.73	0.2957	1.0000	A	0.34	0.96	0.8864	1.0000	A	0.36	1.08	0.4863	1.0000	A	0.37	1.03	0.6647	1.0000	A	0.37	1.03	0.6275	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
TOLLIP	rs3793966	11	NC	Ast											G	0.45	1.13	0.2285	1.0000						G	0.45	1.13	0.2285	1.0000
TOLLIP	rs3750920	11	CS	Ast	T	0.42	1.25	0.4556	1.0000	T	0.47	0.78	0.2848	1.0000	C	0.51	0.97	0.7884	1.0000						T	0.46	1.00	0.9629	1.0000
TOLLIP	rs5743961	11	NC	Ast	T	0.04	0.75	0.7050	1.0000	T	0.05	0.36	0.0653	1.0000	T	0.05	0.87	0.5526	1.0000	T	0.05	0.99	0.9324	1.0000	T	0.05	0.89	0.3561	1.0000
TOLLIP	rs5743955	11	NC	Ast	T	0.05	0.88	0.7962	1.0000	T	0.04	2.00	0.2437	1.0000	T	0.05	0.74	0.1827	1.0000	T	0.05	0.98	0.8921	1.0000	T	0.05	0.92	0.5002	1.0000
TOLLIP	rs5743942	11	NC	Ast	C	0.51	0.74	0.3063	1.0000	C	0.53	0.68	0.1165	1.0000	T	0.50	1.09	0.3702	1.0000						C	0.51	0.86	0.0952	1.0000
TOLLIP	rs11042484	11	NC	Ast	A	0.09	0.60	0.3147	1.0000	A	0.07	0.87	0.7053	1.0000	A	0.06	0.98	0.9183	1.0000	A	0.08	1.15	0.3289	1.0000	A	0.08	1.04	0.7155	1.0000
TOLLIP	rs5743925	11	NC	Ast	C	0.01	*	0.0414	1.0000	C	0.01	0.50	0.5599	1.0000	C	0.02	0.82	0.6543	1.0000	C	0.01	0.75	0.4945	1.0000	C	0.01	0.68	0.1829	1.0000
TOLLIP	rs5743915	11	NC	Ast	A	0.41	1.53	0.1474	1.0000	A	0.39	1.18	0.4474	1.0000	A	0.41	0.64	0.1217	1.0000	A	0.42	1.02	0.8018	1.0000	A	0.41	1.03	0.6691	1.0000
TOLLIP	rs5743900	11	NC	Ast	G	0.21	1.29	0.4789	1.0000	G	0.17	1.22	0.4835	1.0000	G	0.21	0.86	0.2668	1.0000	G	0.20	0.97	0.7172	1.0000	G	0.20	0.96	0.5713	1.0000
TOLLIP	rs5743899	11	NC	Ast	C	0.18	1.00	1.0000	1.0000	C	0.19	1.16	0.5860	1.0000	C	0.15	1.30	0.0828	1.0000	C	0.19	0.98	0.8367	1.0000	C	0.18	1.07	0.3793	1.0000
TOLLIP	rs5743894	11	NC	Ast	C	0.16	1.62	0.1681	1.0000	C	0.17	0.97	0.8981	1.0000	C	0.19	1.07	0.5744	1.0000	C	0.18	1.01	0.8988	1.0000	C	0.18	1.05	0.5022	1.0000
TOLLIP	rs5743890	11	NC	Ast	C	0.13	1.50	0.3695	1.0000	C	0.17	0.63	0.0946	1.0000	C	0.16	0.90	0.4421	1.0000	C	0.16	0.84	0.0980	1.0000	C	0.16	0.85	0.0456	1.0000
TOLLIP	rs5743867	11	NC	Ast	G	0.08	0.50	0.4097	1.0000	G	0.08	1.25	0.5633	1.0000	G	0.07	1.65	0.0241	0.9567	G	0.07	0.84	0.2430	1.0000	G	0.07	1.04	0.7086	1.0000
TOLLIP	rs5743856	11	NC	Ast	G	0.03	1.00	1.0000	1.0000	G	0.03	0.75	0.7050	1.0000	G	0.02	1.40	0.2832	1.0000	G	0.03	1.11	0.6333	1.0000	G	0.03	1.17	0.3736	1.0000
TOLLIP	rs5743854	11	NC	Ast	G	0.10	0.80	0.7386	1.0000	G	0.11	1.00	1.0000	1.0000	G	0.09	1.63	0.0097	0.3840	G	0.10	0.91	0.4459	1.0000	G	0.10	1.08	0.4474	1.0000
TOLLIP	rs5743851	11	NC	Ast	C	0.09	1.67	0.3147	1.0000	C	0.09	0.87	0.7053	1.0000	C	0.13	0.89	0.4892	1.0000	C	0.08	0.95	0.7308	1.0000	C	0.09	0.94	0.5767	1.0000
TRAF6	rs331463	11	NC	Ast	T	0.16	1.11	0.7455	1.0000	T	0.17	1.63	0.1210	1.0000	T	0.15	1.03	0.8316	1.0000	T	0.17	1.08	0.4615	1.0000	T	0.16	1.09	0.2529	1.0000
TRAF6	rs3740961	11	NC	Ast	C	0.13	1.22	0.6545	1.0000	C	0.14	1.47	0.2156	1.0000	C	0.13	1.19	0.2503	1.0000	C	0.12	1.18	0.1588	1.0000	C	0.12	1.21	0.0319	0.6697
TRAF6	rs5030472	11	NC	Ast	T	0.11	1.46	0.3345	1.0000	T	0.12	1.21	0.5897	1.0000	T	0.13	1.11	0.4885	1.0000	T	0.12	1.13	0.3119	1.0000	T	0.12	1.14	0.1324	1.0000
TRAF6	rs4755453	11	NC	Ast	C	0.16	1.16	0.6393	1.0000	C	0.17	1.29	0.3859	1.0000	C	0.15	1.03	0.8340	1.0000	C	0.17	1.07	0.5229	1.0000	C	0.17	1.08	0.3465	1.0000
TRAF6	rs5030419	11	NC	Ast	C	0.12	0.31	0.0138	0.2904	C	0.13	0.86	0.6308	1.0000	C	0.13	0.93	0.6330	1.0000	C	0.11	0.90	0.3887	1.0000	C	0.12	0.87	0.1224	1.0000
TRAF6	rs5030416	11	NC	Ast	C	0.14	0.40	0.0459	0.9641	C	0.13	1.18	0.6217	1.0000	C	0.14	0.87	0.3914	1.0000	C	0.12	0.91	0.4508	1.0000	C	0.13	0.89	0.1870	1.0000
TRAF6	rs5030411	11	NC	Ast	G	0.40	0.51	0.0185	0.3881	G	0.40	1.05	0.8208	1.0000	G	0.42	0.89	0.2765	1.0000	G	0.38	1.04	0.6465	1.0000	G	0.39	0.96	0.4756	1.0000
TRAF6	rs5030489	11	NC	Ast	G	0.07	0.56	0.2817	1.0000	G	0.07	1.00	1.0000	1.0000	G	0.08	0.84	0.3279	1.0000						G	0.08	0.83	0.2448	1.0000
TRAF6	rs5030403	11	NC	Ast	A	0.13	1.19	0.6119	1.0000	A	0.14	1.05	0.8788	1.0000	A	0.13	1.07	0.6599	1.0000	A	0.14	1.11	0.3605	1.0000	A	0.14	1.09	0.2745	1.0000
TRAF6	rs5030488	11	NC	Ast	G	0.10	0.38	0.0550	1.0000	G	0.11	1.00	1.0000	1.0000	G	0.13	0.92	0.5573	1.0000	G	0.10	1.10	0.4732	1.0000	G	0.11	0.98	0.8325	1.0000
TRAF6	rs331455	11	NC	Ast	G	0.26	0.69	0.2265	1.0000	G	0.27	1.12	0.6373	1.0000	G	0.27	0.95	0.6279	1.0000	G	0.26	1.10	0.2897	1.0000	G	0.27	1.02	0.7137	1.0000
CD14	rs778583	5	NC	Ato	T	0.28	0.97	0.9081	1.0000	T	0.28	0.94	0.7697	1.0000	T	0.25	1.06	0.6301	1.0000	T	0.28	0.91	0.3245	1.0000	T	0.28	0.96	0.5632	1.0000
CD14	rs778584	5	NC	Ato	A	0.49	0.96	0.8366	1.0000	G	0.52	0.78	0.1459	1.0000	G	0.45	1.07	0.5404	1.0000	A	0.49	1.03	0.7263	1.0000	A	0.50	1.02	0.7114	1.0000

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Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>CD14</i>	rs4914	5	CS	Ato	C	0.12	0.78	0.4343	1.0000	C	0.11	0.68	0.1879	1.0000	C	0.11	0.91	0.5957	1.0000	C	0.12	1.03	0.8002	1.0000	C	0.12	0.93	0.4623	1.0000
<i>CD14</i>	rs2569190**	5	NC	Ato	A	0.48	1.02	0.9174	1.0000	G	0.52	0.75	0.0904	0.2713	G	0.45	1.04	0.6969	1.0000	A	0.48	1.02	0.7704	1.0000	A	0.49	1.04	0.5336	1.0000
<i>CD14</i>	rs5744455	5	NC	Ato	T	0.23	1.13	0.6224	1.0000	T	0.24	0.72	0.1303	1.0000	T	0.19	1.05	0.7319	1.0000	T	0.24	1.02	0.8576	1.0000	T	0.23	1.00	0.9639	1.0000
<i>CD14</i>	rs2569193**	5	NC	Ato											A	0.25	1.02	0.9009	1.0000						A	0.25	1.02	0.9009	1.0000
<i>CD14</i>	rs3822356	5	NC	Ato	G	0.23	1.09	0.7179	1.0000	G	0.24	0.72	0.1303	1.0000	G	0.19	1.06	0.6816	1.0000	G	0.23	1.00	0.9654	1.0000	G	0.23	0.99	0.8845	1.0000
<i>CHUK</i>	rs3808916	10	NC	Ato	A	0.07	0.50	0.0992	1.0000	A	0.07	1.11	0.7455	1.0000	A	0.09	1.30	0.1389	1.0000	A	0.06	1.07	0.6936	1.0000	A	0.07	1.10	0.3910	1.0000
<i>CHUK</i>	rs3818411	10	NC	Ato	G	0.49	0.89	0.5523	1.0000	G	0.49	1.12	0.4988	1.0000	G	0.43	1.13	0.2762	1.0000	G	0.47	0.91	0.2768	1.0000	G	0.47	0.99	0.8957	1.0000
<i>CHUK</i>	rs17885986	10	NC	Ato	T	0.06	0.67	0.3695	1.0000	T	0.05	0.83	0.6696	1.0000	T	0.06	1.18	0.4522	1.0000	T	0.06	1.20	0.2723	1.0000	T	0.06	1.11	0.3921	1.0000
<i>CHUK</i>	rs17880383	10	CS	Ato	A	0.06	0.67	0.4370	1.0000	A	0.04	0.64	0.3438	1.0000	A	0.07	0.84	0.3789	1.0000	A	0.06	1.26	0.1897	1.0000	A	0.06	0.99	0.9518	1.0000
<i>CHUK</i>	rs11595324	10	NC	Ato	C	0.05	1.27	0.5480	1.0000	C	0.04	0.50	0.0992	1.0000	C	0.04	1.09	0.7727	1.0000						C	0.04	0.94	0.7606	1.0000
<i>CHUK</i>	rs17885645	10	NC	Ato	C	0.42	1.36	0.1059	1.0000	C	0.41	0.87	0.4315	1.0000	C	0.47	0.79	0.0325	0.3896	C	0.46	1.06	0.5063	1.0000	C	0.44	0.97	0.6638	1.0000
<i>IKBKAP</i>	rs10521090	9	NC	Ato	C	0.31	0.90	0.6547	1.0000	C	0.29	0.71	0.0732	1.0000	C	0.28	0.93	0.5426	1.0000	C	0.31	1.03	0.7140	1.0000	C	0.30	0.95	0.4281	1.0000
<i>IKBKAP</i>	rs1417714	9	NC	Ato	A	0.45	0.79	0.2585	1.0000	A	0.42	0.89	0.4861	1.0000	A	0.38	0.91	0.4094	1.0000	A	0.45	1.04	0.6101	1.0000	A	0.44	0.96	0.5238	1.0000
<i>IKBKAP</i>	rs7872727	9	NC	Ato	G	0.23	0.76	0.2708	1.0000	G	0.20	1.02	0.9126	1.0000	G	0.18	0.84	0.2004	1.0000	G	0.23	1.03	0.7211	1.0000	G	0.22	0.95	0.4847	1.0000
<i>IKBKAP</i>	rs10816750	9	NC	Ato	A	0.15	0.94	0.7962	1.0000	A	0.16	0.63	0.0487	1.0000	A	0.20	0.92	0.5429	1.0000	A	0.16	1.06	0.5957	1.0000	A	0.16	0.95	0.4770	1.0000
<i>IKBKAP</i>	rs1981268	9	NC	Ato	C	0.11	0.64	0.1806	1.0000	C	0.11	1.13	0.6743	1.0000	C	0.11	0.96	0.7947	1.0000						C	0.11	0.93	0.5895	1.0000
<i>IKBKAP</i>	rs4978753	9	NC	Ato	A	0.16	0.97	0.8981	1.0000	A	0.16	0.63	0.0487	1.0000	A	0.20	0.92	0.5429	1.0000	A	0.16	1.09	0.4620	1.0000	A	0.17	0.96	0.5981	1.0000
<i>IKBKAP</i>	rs2275496	9	NC	Ato	A	0.48	1.13	0.5402	1.0000	A	0.45	1.18	0.3435	1.0000	A	0.47	1.15	0.2013	1.0000	A	0.45	0.87	0.1138	1.0000	A	0.46	1.01	0.9142	1.0000
<i>IKBKAP</i>	rs10512388	9	NC	Ato	A	0.11	0.95	0.8694	1.0000	A	0.10	1.78	0.0462	1.0000	A	0.09	0.86	0.4366	1.0000	A	0.12	1.12	0.4005	1.0000	A	0.11	1.09	0.3869	1.0000
<i>IKBKAP</i>	rs4978374	9	NC	Ato	T	0.22	0.96	0.8907	1.0000	T	0.25	0.98	0.9156	1.0000	T	0.23	0.95	0.6973	1.0000	T	0.24	1.01	0.8882	1.0000	T	0.24	0.99	0.8601	1.0000
<i>IKBKAP</i>	rs3780507	9	NC	Ato	C	0.27	1.00	1.0000	1.0000	C	0.26	0.93	0.6949	1.0000	C	0.28	0.90	0.3705	1.0000	C	0.28	1.13	0.1863	1.0000	C	0.27	1.02	0.7476	1.0000
<i>IKBKAP</i>	rs10759326	9	CNS	Ato	C	0.18	1.08	0.7855	1.0000	C	0.16	1.45	0.1218	1.0000	C	0.15	0.92	0.5615	1.0000	C	0.19	1.20	0.0796	1.0000	C	0.18	1.13	0.1199	1.0000
<i>IKBKAP</i>	rs2275632	9	NC	Ato	A	0.05	1.00	1.0000	1.0000	A	0.06	1.42	0.3520	1.0000	A	0.04	1.04	0.8840	1.0000						A	0.05	1.14	0.5269	1.0000
<i>IKBKAP</i>	rs3818932	9	NC	Ato	G	0.31	1.20	0.3988	1.0000	G	0.29	0.91	0.6288	1.0000	G	0.32	1.26	0.0638	1.0000	G	0.28	0.92	0.3499	1.0000	G	0.29	1.03	0.6807	1.0000
<i>IKBKAP</i>	rs838827	9	CNS	Ato	A	0.06	0.92	0.8348	1.0000	A	0.05	2.00	0.0992	1.0000	A	0.05	0.73	0.2159	1.0000	A	0.06	1.09	0.5993	1.0000	A	0.06	1.03	0.8396	1.0000
<i>IKBKAP</i>	rs838825	9	NC	Ato	G	0.17	0.92	0.7728	1.0000	G	0.20	1.40	0.1150	1.0000	G	0.18	1.08	0.6086	1.0000	G	0.19	0.95	0.6255	1.0000	G	0.18	1.03	0.6813	1.0000
<i>IKBKAP</i>	rs838824	9	NC	Ato	T	0.37	1.14	0.5315	1.0000	T	0.33	1.07	0.7054	1.0000	T	0.37	1.14	0.2796	1.0000	T	0.34	0.94	0.4702	1.0000	T	0.35	1.02	0.7230	1.0000
<i>IKBKAP</i>	rs2297579	9	NC	Ato	A	0.07	1.00	1.0000	1.0000	A	0.09	1.19	0.5551	1.0000	A	0.06	0.88	0.6112	1.0000	A	0.08	1.06	0.6832	1.0000	A	0.08	1.04	0.7587	1.0000
<i>IKBKAP</i>	rs838818	9	NC	Ato	G	0.33	0.83	0.4247	1.0000	G	0.33	0.70	0.0681	1.0000	G	0.34	0.87	0.2563	1.0000	G	0.33	0.98	0.7929	1.0000	G	0.33	0.90	0.1060	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>IKBKAP</i>	rs838819	9	NC	Ato	T	0.48	0.80	0.2859	1.0000	C	0.49	1.15	0.4574	1.0000	T	0.50	0.89	0.3201	1.0000	T	0.49	0.97	0.6891	1.0000	T	0.50	0.92	0.1756	1.0000
<i>IKBKAP</i>	rs2289480	9	NC	Ato	C	0.38	1.15	0.5223	1.0000	C	0.38	1.01	0.9304	1.0000	C	0.38	1.21	0.1088	1.0000	C	0.36	0.93	0.4124	1.0000	C	0.37	1.03	0.6481	1.0000
<i>IKBKB</i>	rs3747811	8	NC	Ato	A	0.49	0.84	0.3749	1.0000	A	0.48	0.96	0.8005	1.0000	A	0.47	1.05	0.6088	1.0000	A	0.48	0.94	0.4251	1.0000	A	0.48	0.97	0.5392	1.0000
<i>IKBKB</i>	rs11986055	8	NC	Ato	C	0.04	1.14	0.7962	1.0000	C	0.03	0.33	0.0764	1.0000	C	0.02	2.00	0.2437	1.0000	C	0.04	1.13	0.5549	1.0000	C	0.03	1.07	0.6863	1.0000
<i>IKBKB</i>	rs5029748	8	NC	Ato	A	0.26	0.95	0.8161	1.0000	A	0.24	1.18	0.4188	1.0000	A	0.27	1.01	0.9521	1.0000	A	0.26	0.85	0.0722	1.0000	A	0.26	0.93	0.2940	1.0000
<i>IKBKB</i>	rs4560769	8	NC	Ato	C	0.08	0.88	0.7149	1.0000	C	0.07	0.71	0.3162	1.0000	C	0.10	1.10	0.6014	1.0000	C	0.09	1.23	0.1524	1.0000	C	0.09	1.10	0.3653	1.0000
<i>IKBKB</i>	rs2272733	8	NC	Ato	A	0.10	1.00	1.0000	1.0000	A	0.11	0.92	0.7773	1.0000	A	0.12	1.25	0.1956	1.0000	A	0.13	1.18	0.1945	1.0000	A	0.12	1.15	0.1235	1.0000
<i>IKBKB</i>	rs17875746	8	NC	Ato	A	0.04	0.63	0.4033	1.0000	A	0.04	0.73	0.4904	1.0000	A	0.09	1.00	1.0000	1.0000	A	0.05	1.28	0.1991	1.0000	A	0.05	1.06	0.6405	1.0000
<i>IKBKB</i>	rs10958713	8	NC	Ato	A	0.35	0.81	0.3342	1.0000	A	0.34	1.00	1.0000	1.0000	A	0.37	0.91	0.3758	1.0000	A	0.36	0.91	0.2756	1.0000	A	0.36	0.91	0.1246	1.0000
<i>IL18</i>	rs543810	11	NC	Ato	C	0.12	0.69	0.2265	1.0000	C	0.12	1.44	0.1803	1.0000	C	0.14	1.04	0.7977	1.0000	C	0.09	0.92	0.5510	1.0000	C	0.11	0.98	0.8668	1.0000
<i>IL18</i>	rs549908	11	CS	Ato	G	0.30	1.90	0.0042	0.0508	G	0.29	1.13	0.5484	1.0000	G	0.30	1.05	0.6856	1.0000	G	0.31	1.08	0.3958	1.0000	G	0.30	1.13	0.0646	0.7748
<i>IL18</i>	rs5744256	11	NC	Ato	C	0.26	0.66	0.0781	0.9371	C	0.27	0.61	0.0133	0.1596	C	0.26	0.76	0.0405	0.4861	C	0.26	0.96	0.6555	1.0000	C	0.26	0.83	0.0060	0.0724
<i>IL18</i>	rs1834481	11	NC	Ato	C	0.26	0.67	0.1367	1.0000	C	0.26	0.57	0.0160	0.1922	C	0.27	0.75	0.0528	0.6335						C	0.26	0.69	0.0010	0.0119
<i>IL18</i>	rs2043055	11	NC	Ato	G	0.35	0.96	0.8366	1.0000	G	0.34	1.20	0.3444	1.0000	G	0.32	1.21	0.0993	1.0000	G	0.38	1.02	0.8253	1.0000	G	0.36	1.08	0.1981	1.0000
<i>IL18</i>	rs360717**	11	NC	Ato	A	0.27	1.93	0.0038	0.0113	A	0.26	1.13	0.5443	1.0000	A	0.27	0.96	0.7630	1.0000						A	0.27	1.13	0.2053	0.6159
<i>IL18</i>	rs1946518	11	NC	Ato	T	0.40	1.30	0.1907	1.0000	T	0.39	1.24	0.2564	1.0000	T	0.43	0.95	0.6197	1.0000	T	0.38	1.01	0.9278	1.0000	T	0.39	1.03	0.5846	1.0000
<i>IL18</i>	rs360712	11	CS	Ato	C	0.26	1.93	0.0046	0.0546	C	0.25	1.13	0.5402	1.0000	C	0.24	0.91	0.4838	1.0000	C	0.26	1.13	0.1805	1.0000	C	0.25	1.12	0.1010	1.0000
<i>IL18BP</i>	rs2276384	11	NC	Ato	C	0.03	1.00	1.0000	1.0000	C	0.02	0.33	0.0408	0.3668	C	0.02	1.30	0.4201	1.0000	C	0.02	0.84	0.5760	1.0000	C	0.02	0.88	0.5198	1.0000
<i>IL18BP</i>	rs3814721	11	NC	Ato	C	0.06	0.64	0.3438	1.0000	C	0.06	0.86	0.6947	1.0000	C	0.06	1.32	0.1980	1.0000	C	0.05	1.16	0.4421	1.0000	C	0.05	1.13	0.3674	1.0000
<i>IL18BP</i>	rs2298455	11	NC	Ato	C	0.11	0.75	0.3537	1.0000	C	0.11	1.09	0.7680	1.0000	C	0.12	1.12	0.5017	1.0000	C	0.12	0.99	0.9040	1.0000	C	0.11	1.01	0.9260	1.0000
<i>IL18BP</i>	rs1573503	11	NC	Ato	A	0.03	1.00	1.0000	1.0000	A	0.02	0.30	0.0461	0.4153	A	0.02	1.88	0.1492	1.0000	A	0.02	0.83	0.5747	1.0000	A	0.02	0.92	0.7070	1.0000
<i>IL18R1</i>	rs13015714	2	NC	Ato	G	0.23	1.59	0.0548	1.0000	G	0.24	0.94	0.7653	1.0000	G	0.22	0.82	0.1423	1.0000	G	0.23	0.92	0.4024	1.0000	G	0.23	0.94	0.3605	1.0000
<i>IL18R1</i>	rs4851567	2	NC	Ato	T	0.10	0.89	0.7388	1.0000																T	0.10	0.89	0.7388	1.0000
<i>IL18R1</i>	rs10170583	2	NC	Ato	A	0.39	0.85	0.4188	1.0000	A	0.34	1.00	1.0000	1.0000	A	0.41	0.88	0.2777	1.0000	A	0.38	0.89	0.1681	1.0000	A	0.38	0.90	0.0697	1.0000
<i>IL18R1</i>	rs10204837	2	NC	Ato	A	0.39	0.84	0.3749	1.0000	A	0.34	1.02	0.9287	1.0000	A	0.41	0.90	0.3707	1.0000	A	0.37	0.88	0.1288	1.0000	A	0.38	0.90	0.0718	1.0000
<i>IL18R1</i>	rs11465567	2	NC	Ato	G	0.10	1.00	1.0000	1.0000	G	0.12	0.81	0.4654	1.0000	G	0.10	1.38	0.0921	1.0000	G	0.10	1.19	0.2179	1.0000	G	0.10	1.17	0.1265	1.0000
<i>IL18R1</i>	rs2287037	2	NC	Ato	A	0.38	0.86	0.4724	1.0000	A	0.42	1.08	0.6692	1.0000	A	0.36	1.27	0.3611	1.0000	A	0.40	1.21	0.0208	0.6280	A	0.40	1.15	0.0403	1.0000
<i>IL18R1</i>	rs11465572	2	NC	Ato	T	0.10	1.06	0.8618	1.0000	T	0.12	0.81	0.4654	1.0000	T	0.10	1.38	0.0921	1.0000	T	0.10	1.19	0.2182	1.0000	T	0.10	1.17	0.1142	1.0000
<i>IL18R1</i>	rs10515921	2	NC	Ato	G	0.14	0.83	0.5462	1.0000	G	0.12	1.16	0.5411	1.0000	G	0.11	0.82	0.2718	1.0000	G	0.15	0.92	0.4783	1.0000	G	0.13	0.92	0.3123	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
IL18R1	rs3771172	2	NC	Ato	T	0.27	0.82	0.3707	1.0000	T	0.30	1.20	0.3444	1.0000	T	0.27	1.14	0.2850	1.0000	T	0.30	1.15	0.1190	1.0000	T	0.29	1.12	0.0791	1.0000
IL18R1	rs1465321	2	NC	Ato	A	0.23	1.59	0.0548	1.0000	A	0.24	0.89	0.5562	1.0000	A	0.22	0.84	0.1844	1.0000	A	0.22	0.92	0.4235	1.0000	A	0.23	0.94	0.3583	1.0000
IL18R1	rs11465597	2	NC	Ato	C	0.11	1.06	0.8618	1.0000	C	0.12	0.78	0.3859	1.0000	C	0.10	1.60	0.0134	0.4062	C	0.10	1.17	0.2715	1.0000	C	0.10	1.21	0.0614	1.0000
IL18R1	rs7579737	2	NC	Ato	G	0.31	0.76	0.2151	1.0000	G	0.30	1.08	0.7029	1.0000	G	0.33	1.09	0.5023	1.0000	G	0.31	0.99	0.9111	1.0000	G	0.31	1.00	0.9623	1.0000
IL18R1	rs6758936	2	NC	Ato	A	0.49	0.88	0.5402	1.0000	A	0.46	0.94	0.7194	1.0000	A	0.50	1.01	0.9123	1.0000	A	0.47	0.95	0.5040	1.0000	A	0.48	0.96	0.4726	1.0000
IL18R1	rs7558013	2	NC	Ato	T	0.23	1.09	0.7255	1.0000	T	0.19	1.50	0.0569	1.0000	T	0.21	0.79	0.0781	1.0000	T	0.24	0.94	0.4909	1.0000	T	0.22	0.95	0.4796	1.0000
IL18R1	rs11465623	2	NC	Ato	A	0.08	0.67	0.3157	1.0000	A	0.08	0.55	0.0840	1.0000	A	0.12	1.49	0.0214	0.6480	A	0.08	1.27	0.1208	1.0000	A	0.09	1.19	0.0940	1.0000
IL18R1	rs3213733	2	NC	Ato	A	0.18	0.83	0.4599	1.0000	A	0.18	0.78	0.2430	1.0000	A	0.17	1.00	1.0000	1.0000	A	0.15	0.86	0.1824	1.0000	A	0.16	0.88	0.1054	1.0000
IL18R1	rs2241116	2	NC	Ato	T	0.22	0.76	0.2378	1.0000	T	0.23	1.21	0.3554	1.0000	T	0.21	1.26	0.0917	1.0000	T	0.23	1.18	0.0909	1.0000	T	0.22	1.16	0.0391	1.0000
IL18RAP	rs1592458	2	NC	Ato	T	0.49	0.86	0.4724	1.0000	T	0.46	0.95	0.7884	1.0000	T	0.50	1.01	0.9123	1.0000	T	0.47	0.95	0.5028	1.0000	T	0.48	0.96	0.4719	1.0000
IL18RAP	rs1807782	2	NC	Ato	G	0.23	1.59	0.0548	1.0000	G	0.24	0.89	0.5562	1.0000	G	0.22	0.85	0.2084	1.0000	G	0.23	0.91	0.3241	1.0000	G	0.23	0.93	0.3091	1.0000
IL18RAP	rs11465670	2	NC	Ato	C	0.14	0.92	0.7680	1.0000	C	0.11	1.17	0.5285	1.0000	C	0.11	0.85	0.4004	1.0000	C	0.15	0.97	0.7929	1.0000	C	0.13	0.96	0.6454	1.0000
IL18RAP	rs1833174	2	NC	Ato	A	0.49	0.84	0.4090	1.0000	A	0.46	0.94	0.7194	1.0000	A	0.50	1.01	0.9121	1.0000	A	0.47	0.95	0.5051	1.0000	A	0.48	0.95	0.4369	1.0000
IL18RAP	rs2293225	2	NC	Ato	A	0.22	0.79	0.3385	1.0000	A	0.23	1.24	0.3019	1.0000	A	0.21	1.27	0.0800	1.0000	A	0.23	1.18	0.0867	1.0000	A	0.22	1.17	0.0262	0.7177
IL18RAP	rs6756407	2	NC	Ato	A	0.08	0.75	0.4489	1.0000	A	0.09	0.55	0.0840	1.0000	A	0.12	1.45	0.0335	1.0000	A	0.08	1.21	0.2145	1.0000	A	0.09	1.16	0.1594	1.0000
IL18RAP	rs3771156	2	NC	Ato	A	0.28	0.84	0.4364	1.0000	A	0.30	1.20	0.3400	1.0000	A	0.27	1.12	0.3420	1.0000	A	0.30	1.16	0.1098	1.0000	A	0.29	1.12	0.0797	1.0000
IL18RAP	rs10176820	2	NC	Ato	G	0.18	0.83	0.4599	1.0000	G	0.18	0.80	0.2859	1.0000	G	0.17	1.01	0.9372	1.0000	G	0.15	0.86	0.1835	1.0000	G	0.17	0.88	0.1243	1.0000
IL18RAP	rs2075186	2	NC	Ato	A	0.18	0.81	0.3848	1.0000	A	0.18	0.78	0.2430	1.0000	A	0.17	1.01	0.9372	1.0000	A	0.15	0.86	0.1900	1.0000	A	0.17	0.88	0.1089	1.0000
IL18RAP	rs11465702	2	NC	Ato	G	0.14	0.79	0.3956	1.0000	G	0.13	0.62	0.0512	1.0000	G	0.15	0.97	0.8685	1.0000	G	0.12	0.83	0.1298	1.0000	G	0.13	0.83	0.0343	0.9403
IL18RAP	rs6748390	2	NC	Ato	C	0.31	0.96	0.8312	1.0000	C	0.28	1.15	0.4902	1.0000	C	0.33	1.00	1.0000	1.0000	C	0.32	1.00	0.9772	1.0000	C	0.31	1.01	0.8588	1.0000
IL18RAP	rs6543135	2	NC	Ato	A	0.22	1.06	0.8137	1.0000	A	0.19	1.50	0.0569	1.0000	A	0.20	0.82	0.1216	1.0000	A	0.24	0.94	0.5378	1.0000	A	0.22	0.96	0.5593	1.0000
IL18RAP	rs11465724	2	NC	Ato	A	0.03	0.67	0.5257	1.0000	A	0.03	0.63	0.4033	1.0000	A	0.03	0.83	0.4988	1.0000	A	0.04	1.25	0.3398	1.0000	A	0.03	0.98	0.8776	1.0000
IL18RAP	rs11465730	2	NC	Ato	C	0.46	0.75	0.1608	1.0000	C	0.48	0.97	0.8676	1.0000	C	0.45	1.12	0.2960	1.0000	C	0.45	1.05	0.5817	1.0000	C	0.46	1.03	0.6312	1.0000
IL18RAP	rs917998	2	NC	Ato	A	0.09	1.36	0.3832	1.0000	A	0.08	1.87	0.0457	1.0000	A	0.10	0.80	0.2014	1.0000	A	0.09	0.94	0.6366	1.0000	A	0.09	0.98	0.8509	1.0000
IL1A	rs2048874	2	NC	Ato	T	0.11	2.00	0.0292	0.3488	T	0.12	1.25	0.4556	1.0000	T	0.15	1.21	0.2217	1.0000	T	0.13	1.04	0.7309	1.0000	T	0.13	1.17	0.0757	0.8984
IL1A	rs4848300	2	NC	Ato	C	0.30	0.94	0.7582	1.0000	C	0.32	0.98	0.9230	1.0000	C	0.30	0.81	0.0772	0.9042	C	0.29	0.95	0.6043	1.0000	C	0.30	0.91	0.1466	1.0000
IL1A	rs3783546	2	NC	Ato	G	0.30	0.76	0.2001	1.0000	G	0.29	0.75	0.1387	1.0000	G	0.29	1.11	0.3885	1.0000	G	0.31	1.00	0.9577	1.0000	G	0.30	0.97	0.6476	1.0000
IL1A	rs17561**	2	CNS	Ato	A	0.29	0.90	0.6079	1.0000	A	0.31	1.04	0.8445	1.0000	A	0.30	0.81	0.0772	0.2315	A	0.29	0.96	0.6505	1.0000	A	0.30	0.92	0.1690	0.5070
IL1A	rs1800587	2	NC	Ato	A	0.30	0.92	0.6830	1.0000	A	0.31	1.02	0.9230	1.0000	A	0.30	0.80	0.0673	0.7881	A	0.29	0.96	0.6310	1.0000	A	0.30	0.91	0.1543	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>IL1A</i>	rs3783516	2	NC	Ato	A	0.40	1.40	0.1017	1.0000	A	0.39	1.27	0.1931	1.0000	A	0.41	1.11	0.3773	1.0000	A	0.40	1.04	0.6526	1.0000	A	0.40	1.11	0.0886	1.0000
<i>IL1B</i>	rs3917368	2	NC	Ato	T	0.37	0.88	0.5359	1.0000	T	0.36	1.12	0.5311	1.0000	T	0.36	1.14	0.2995	1.0000	T	0.36	0.98	0.8577	1.0000	T	0.36	1.03	0.6677	1.0000
<i>IL1B</i>	rs1143634	2	CS	Ato	A	0.22	0.92	0.7255	1.0000	A	0.24	1.06	0.7606	1.0000	A	0.25	0.80	0.0658	0.3546	A	0.23	1.01	0.8809	1.0000	A	0.23	0.94	0.3572	1.0000
<i>IL1B</i>	rs1143627	2	NC	Ato	G	0.34	1.39	0.1303	0.7818	G	0.33	0.85	0.3689	1.0000	G	0.27	1.16	0.2405	1.0000	G	0.34	1.05	0.5861	1.0000	G	0.33	1.07	0.2627	1.0000
<i>IL1B</i>	rs16944**	2	NC	Ato	T	0.34	1.35	0.1626	0.4878	T	0.33	0.88	0.4759	1.0000	T	0.27	1.16	0.2405	0.7215	T	0.35	1.06	0.5064	1.0000	T	0.33	1.08	0.2161	0.6483
<i>IL1R1</i>	rs11883987	2	NC	Ato	G	0.40	1.11	0.6152	1.0000	G	0.42	0.72	0.0696	1.0000						G	0.39	0.87	0.1116	1.0000	G	0.40	0.87	0.0595	1.0000
<i>IL1R1</i>	rs1558642	2	NC	Ato	A	0.21	1.25	0.3453	1.0000	A	0.23	0.94	0.7531	1.0000	A	0.21	1.01	0.9454	1.0000	A	0.21	0.95	0.5937	1.0000	A	0.22	0.99	0.8674	1.0000
<i>IL1R1</i>	rs6754776	2	NC	Ato	C	0.13	0.62	0.0782	1.0000	C	0.12	0.55	0.0258	0.9399	C	0.14	1.37	0.0410	1.0000	C	0.13	0.82	0.1145	1.0000	C	0.13	0.90	0.2251	1.0000
<i>IL1R1</i>	rs3917225	2	NC	Ato	G	0.45	1.14	0.4944	1.0000	G	0.45	1.67	0.0037	0.1364	G	0.45	0.94	0.5989	1.0000	G	0.48	1.19	0.0306	1.0000	G	0.46	1.16	0.0124	0.4506
<i>IL1R1</i>	rs2192752	2	NC	Ato	C	0.21	1.25	0.3453	1.0000	C	0.23	0.92	0.6766	1.0000	C	0.21	1.01	0.9454	1.0000	C	0.21	0.95	0.5785	1.0000	C	0.22	0.98	0.8270	1.0000
<i>IL1R1</i>	rs949963	2	NC	Ato	T	0.18	0.97	0.8997	1.0000	T	0.19	0.73	0.1348	1.0000	T	0.17	0.87	0.3680	1.0000	T	0.16	0.88	0.2704	1.0000	T	0.17	0.87	0.0666	1.0000
<i>IL1R1</i>	rs3917243	2	NC	Ato	T	0.46	1.32	0.1650	1.0000	T	0.45	1.70	0.0024	0.0892	T	0.47	0.88	0.2807	1.0000	T	0.49	1.16	0.0633	1.0000	T	0.47	1.14	0.0259	0.9370
<i>IL1R1</i>	rs3917254	2	NC	Ato	A	0.10	0.57	0.0563	1.0000	A	0.10	0.92	0.7728	1.0000	A	0.05	1.63	0.0387	1.0000	A	0.10	0.85	0.2194	1.0000	A	0.09	0.93	0.4449	1.0000
<i>IL1R1</i>	rs3917273	2	NC	Ato	T	0.43	0.75	0.1566	1.0000	T	0.44	0.77	0.1222	1.0000	T	0.39	0.96	0.7412	1.0000	T	0.41	0.95	0.5390	1.0000	T	0.41	0.91	0.1182	1.0000
<i>IL1R1</i>	rs3917285	2	NC	Ato	T	0.09	0.84	0.6119	1.0000	T	0.10	0.72	0.2569	1.0000	T	0.12	1.02	0.9237	1.0000	T	0.08	0.81	0.1662	1.0000	T	0.09	0.86	0.1399	1.0000
<i>IL1R1</i>	rs2228139	2	CNS	Ato	C	0.07	1.11	0.8185	1.0000	C	0.07	1.54	0.2213	1.0000	C	0.08	0.86	0.4448	1.0000	C	0.08	1.04	0.7950	1.0000	C	0.07	1.02	0.8501	1.0000
<i>IL1R1</i>	rs3917289	2	NC	Ato	A	0.08	1.44	0.3925	1.0000	A	0.07	1.50	0.2351	1.0000	A	0.08	0.90	0.5738	1.0000	A	0.09	1.05	0.7263	1.0000	A	0.08	1.06	0.6053	1.0000
<i>IL1R1</i>	rs997049	2	NC	Ato	A	0.38	1.24	0.3019	1.0000	A	0.37	1.56	0.0145	0.5284	A	0.44	1.04	0.7341	1.0000	A	0.41	1.07	0.4173	1.0000	A	0.40	1.12	0.0603	1.0000
<i>IL1R1</i>	rs3917292	2	NC	Ato	A	0.07	1.07	0.8527	1.0000	A	0.06	1.17	0.6947	1.0000	A	0.05	0.74	0.2458	1.0000	A	0.08	1.00	0.9791	1.0000	A	0.07	0.96	0.7348	1.0000
<i>IL1R1</i>	rs3917296	2	NC	Ato	G	0.07	0.87	0.7053	1.0000	G	0.06	0.82	0.5897	1.0000	G	0.08	1.14	0.4979	1.0000	G	0.08	1.11	0.4787	1.0000	G	0.08	1.07	0.5321	1.0000
<i>IL1R1</i>	rs951193	2	NC	Ato	A	0.04	0.55	0.2218	1.0000	A	0.05	0.75	0.4489	1.0000	A	0.03	0.81	0.4647	1.0000	A	0.04	1.11	0.5938	1.0000	A	0.04	0.91	0.5278	1.0000
<i>IL1R1</i>	rs3917304	2	NC	Ato	A	0.29	0.75	0.1897	1.0000	A	0.30	0.62	0.0127	0.4643	A	0.27	0.95	0.7087	1.0000	A	0.27	0.96	0.6926	1.0000	A	0.28	0.89	0.0830	1.0000
<i>IL1R1</i>	rs3917332	2	NC	Ato	A	0.20	1.17	0.5349	1.0000	A	0.20	0.84	0.4090	1.0000	A	0.22	1.05	0.7377	1.0000	A	0.20	0.98	0.8717	1.0000	A	0.20	1.00	0.9681	1.0000
<i>IL1R1</i>	rs1030021	2	NC	Ato	G	0.28	0.69	0.1218	1.0000											G	0.27	0.96	0.6201	1.0000	G	0.27	0.92	0.3070	1.0000
<i>IL1R2</i>	rs740044	2	NC	Ato	A	0.27	0.80	0.3453	1.0000	A	0.28	0.88	0.4944	1.0000	A	0.29	0.77	0.0349	0.8417	A	0.30	0.84	0.0438	0.7932	A	0.29	0.82	0.0021	0.0447
<i>IL1R2</i>	rs4851519	2	NC	Ato	T	0.08	0.65	0.2550	1.0000	T	0.07	1.20	0.6696	1.0000	T	0.07	1.21	0.3818	1.0000	T	0.09	0.93	0.6407	1.0000	T	0.08	0.99	0.8981	1.0000
<i>IL1R2</i>	rs4851522	2	NC	Ato	T	0.13	1.16	0.6393	1.0000	T	0.14	1.23	0.3920	1.0000	T	0.10	1.11	0.5772	1.0000						T	0.12	1.15	0.2846	1.0000
<i>IL1R2</i>	rs757918	2	NC	Ato	G	0.48	0.96	0.8399	1.0000	A	0.53	0.90	0.5344	1.0000	G	0.47	0.77	0.0197	0.4743	G	0.49	0.89	0.1736	1.0000	G	0.48	0.88	0.0368	0.7728
<i>IL1R2</i>	rs4851526	2	NC	Ato	C	0.42	1.29	0.2152	1.0000	C	0.43	0.76	0.1138	1.0000	C	0.44	1.36	0.0059	0.1420	C	0.40	1.15	0.1015	1.0000	C	0.42	1.16	0.0133	0.2798

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>IL1R2</i>	rs719250	2	NC	Ato	T	0.08	0.53	0.1137	1.0000	T	0.09	2.00	0.0992	1.0000	T	0.08	0.82	0.2908	1.0000	T	0.10	0.99	0.9409	1.0000	T	0.09	0.94	0.5299	1.0000
<i>IL1R2</i>	rs3218848	2	NC	Ato	A	0.42	1.26	0.2635	1.0000																A	0.42	1.26	0.2635	1.0000
<i>IL1R2</i>	rs2110562	2	NC	Ato	T	0.49	0.96	0.8415	1.0000	C	0.53	0.90	0.5376	1.0000	T	0.47	0.78	0.0225	0.5432	T	0.49	0.90	0.1841	1.0000	T	0.48	0.89	0.0420	0.8838
<i>IL1R2</i>	rs3218979	2	NC	Ato	A	0.14	1.04	0.8886	1.0000	A	0.15	1.09	0.7218	1.0000	A	0.11	1.07	0.7126	1.0000	A	0.16	1.00	0.9695	1.0000	A	0.15	1.03	0.7540	1.0000
<i>IL1R2</i>	rs2072473	2	NC	Ato	A	0.12	0.59	0.1260	1.0000	A	0.12	1.13	0.7315	1.0000	A	0.13	0.87	0.3595	1.0000	A	0.14	0.98	0.8561	1.0000	A	0.13	0.92	0.3330	1.0000
<i>IL1R2</i>	rs2072472	2	NC	Ato	C	0.29	1.24	0.3227	1.0000	C	0.29	0.66	0.0336	0.7064	C	0.32	1.39	0.0056	0.1351	C	0.26	1.11	0.2707	1.0000	C	0.28	1.13	0.0606	1.0000
<i>IL1R2</i>	rs7589525	2	NC	Ato	C	0.29	1.24	0.3227	1.0000	C	0.29	0.68	0.0436	0.9160	C	0.33	1.38	0.0068	0.1645	C	0.26	1.11	0.2592	1.0000	C	0.28	1.13	0.0584	1.0000
<i>IL1R2</i>	rs4851531	2	NC	Ato	A	0.41	0.96	0.8415	1.0000	A	0.42	0.74	0.0969	1.0000	A	0.46	1.22	0.0692	1.0000	A	0.40	1.08	0.3502	1.0000	A	0.41	1.07	0.2821	1.0000
<i>IL1R2</i>	rs4851534	2	NC	Ato	A	0.45	0.98	0.9215	1.0000	T	0.56	0.81	0.2190	1.0000	A	0.43	0.79	0.0299	0.7215	A	0.45	0.92	0.3340	1.0000	A	0.44	0.92	0.1392	1.0000
<i>IL1RL1</i>	rs4090473	2	NC	Ato	C	0.52	0.77	0.2103	1.0000	G	0.45	1.18	0.3237	1.0000	G	0.47	0.86	0.1427	1.0000	G	0.49	0.97	0.7077	1.0000	G	0.48	0.98	0.7044	1.0000
<i>IL1RL1</i>	rs950880	2	NC	Ato	A	0.38	0.88	0.5402	1.0000	A	0.42	1.09	0.6068	1.0000	A	0.39	1.21	0.0867	1.0000	A	0.40	1.15	0.0993	1.0000	A	0.39	1.13	0.0364	0.6559
<i>IL1RL1</i>	rs1420089	2	NC	Ato	C	0.11	0.95	0.8694	1.0000	C	0.09	1.82	0.0418	0.7524	C	0.15	0.99	0.9407	1.0000	C	0.11	0.98	0.8748	1.0000	C	0.11	1.04	0.6733	1.0000
<i>IL1RL1</i>	rs1420103	2	NC	Ato	A	0.24	1.48	0.0979	1.0000	A	0.26	0.89	0.5636	1.0000	A	0.22	0.85	0.2262	1.0000	A	0.24	0.98	0.8447	1.0000	A	0.24	0.97	0.6257	1.0000
<i>IL1RL1</i>	rs1041973	2	CNS	Ato	A	0.23	0.94	0.8111	1.0000	A	0.24	0.64	0.0272	0.4891	A	0.24	1.12	0.3736	1.0000						A	0.24	0.95	0.6247	1.0000
<i>IL1RL1</i>	rs6719130	2	NC	Ato	T	0.14	0.95	0.8759	1.0000	T	0.11	1.10	0.7098	1.0000	T	0.12	0.81	0.2395	1.0000	T	0.15	0.99	0.9315	1.0000	T	0.13	0.95	0.5867	1.0000
<i>IL1RL1</i>	rs3771175	2	NC	Ato	A	0.14	0.78	0.3859	1.0000	A	0.13	0.58	0.0281	0.5058	A	0.15	1.00	1.0000	1.0000	A	0.12	0.83	0.1300	1.0000	A	0.13	0.83	0.0333	0.5996
<i>IL1RL1</i>	rs1946131	2	NC	Ato	A	0.10	1.06	0.8618	1.0000	A	0.12	0.81	0.4654	1.0000	A	0.10	1.36	0.1103	1.0000	A	0.10	1.19	0.2120	1.0000	A	0.10	1.17	0.1227	1.0000
<i>IL1RL1</i>	rs1921622	2	NC	Ato	T	0.52	0.83	0.3554	1.0000	C	0.46	0.86	0.3910	1.0000	T	0.48	1.15	0.1913	1.0000	C	0.45	0.87	0.0989	1.0000	C	0.47	0.89	0.0551	0.9914
<i>IL1RN</i>	rs315931	2	NC	Ato	C	0.32	1.21	0.3605	1.0000	C	0.31	0.91	0.6319	1.0000	C	0.28	1.17	0.1909	1.0000	C	0.32	0.96	0.6524	1.0000	C	0.31	1.03	0.6194	1.0000
<i>IL1RN</i>	rs4251961	2	NC	Ato	G	0.35	0.91	0.6662	1.0000	G	0.37	0.82	0.2520	1.0000	G	0.43	0.94	0.5337	1.0000	G	0.38	0.94	0.4464	1.0000	G	0.38	0.92	0.1650	1.0000
<i>IL1RN</i>	rs2637988	2	NC	Ato	C	0.40	1.21	0.3605	1.0000	C	0.40	1.07	0.7172	1.0000	C	0.34	0.98	0.8225	1.0000	C	0.40	1.08	0.3781	1.0000	C	0.39	1.06	0.3663	1.0000
<i>IL1RN</i>	rs3213448	2	NC	Ato	T	0.13	1.04	0.8840	1.0000	T	0.13	1.42	0.1881	1.0000	T	0.10	0.82	0.2587	1.0000	T	0.12	1.20	0.1425	1.0000	T	0.12	1.09	0.3330	1.0000
<i>IL1RN</i>	rs315934	2	NC	Ato	G	0.21	0.72	0.2031	1.0000	G	0.20	1.27	0.2747	1.0000	G	0.18	1.14	0.3514	1.0000	G	0.19	1.08	0.4737	1.0000	G	0.20	1.08	0.3151	1.0000
<i>IL1RN</i>	rs392503**	2	NC	Ato	G	0.28	1.11	0.6079	1.0000	G	0.28	0.91	0.6350	1.0000	G	0.25	1.05	0.6671	1.0000	G	0.28	0.97	0.7451	1.0000	G	0.28	1.00	0.9974	1.0000
<i>IL1RN</i>	rs1794067**	2	NC	Ato	A	0.28	1.13	0.5443	1.0000	A	0.28	0.84	0.3487	1.0000	A	0.25	1.07	0.5802	1.0000	A	0.29	0.96	0.6750	1.0000	A	0.28	0.99	0.8917	1.0000
<i>IL1RN</i>	rs598859	2	NC	Ato	T	0.28	1.09	0.6830	1.0000	T	0.28	0.87	0.4535	1.0000	T	0.25	1.07	0.5802	1.0000						T	0.27	1.02	0.8185	1.0000
<i>IL1RN</i>	rs973635	2	NC	Ato	A	0.13	1.29	0.3859	1.0000	A	0.14	1.35	0.2483	1.0000	A	0.11	0.92	0.6120	1.0000	A	0.14	1.07	0.5779	1.0000	A	0.13	1.07	0.4260	1.0000
<i>IL1RN</i>	rs440286**	2	NC	Ato	T	0.26	0.98	0.9183	1.0000	T	0.27	0.90	0.5672	1.0000	T	0.24	1.04	0.7569	1.0000	T	0.28	1.02	0.7893	1.0000	T	0.27	1.01	0.9015	1.0000
<i>IL1RN</i>	rs315952	2	CS	Ato	G	0.31	0.98	0.9136	1.0000	G	0.28	1.25	0.2521	1.0000	G	0.25	0.98	0.8492	1.0000	G	0.28	1.04	0.6922	1.0000	G	0.28	1.04	0.5833	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
IRAK2	rs11465853	3	NC	Ato	G	0.31	1.48	0.0979	1.0000	G	0.33	0.95	0.7797	1.0000	G	0.33	0.87	0.2477	1.0000	G	0.32	0.98	0.8097	1.0000	G	0.32	0.97	0.6661	1.0000
IRAK2	rs708030	3	NC	Ato	G	0.49	1.02	0.9183	1.0000	A	0.52	0.73	0.0701	1.0000	G	0.44	1.04	0.7148	1.0000	G	0.48	0.99	0.8704	1.0000	G	0.48	1.04	0.4689	1.0000
IRAK2	rs2619508	3	NC	Ato	A	0.44	0.81	0.2872	1.0000	A	0.43	1.44	0.0407	1.0000	A	0.42	1.10	0.3503	1.0000	A	0.43	0.91	0.2718	1.0000	A	0.43	1.01	0.9207	1.0000
IRAK2	rs11465861	3	NC	Ato	C	0.19	0.72	0.1845	1.0000	C	0.20	1.53	0.0514	1.0000	C	0.19	1.06	0.6262	1.0000	C	0.20	0.88	0.2198	1.0000	C	0.20	0.98	0.7491	1.0000
IRAK2	rs1681663	3	NC	Ato	T	0.24	0.89	0.6275	1.0000	T	0.22	1.19	0.4090	1.0000	T	0.24	0.99	0.9499	1.0000	T	0.22	0.93	0.4893	1.0000	T	0.23	0.97	0.7005	1.0000
IRAK2	rs1169670	3	NC	Ato	C	0.39	1.00	1.0000	1.0000	C	0.39	0.68	0.0375	1.0000	C	0.41	0.86	0.1612	1.0000	C	0.39	1.10	0.2683	1.0000	C	0.39	0.96	0.4837	1.0000
IRAK2	rs1177614	3	NC	Ato	C	0.23	1.00	1.0000	1.0000	C	0.22	1.21	0.3605	1.0000	C	0.23	1.00	1.0000	1.0000	C	0.22	0.96	0.7110	1.0000	C	0.22	1.00	0.9593	1.0000
IRAK2	rs155266	3	NC	Ato	T	0.41	0.92	0.6766	1.0000	T	0.43	1.42	0.0494	1.0000	T	0.39	1.21	0.4919	1.0000	T	0.44	1.01	0.9415	1.0000	T	0.43	1.06	0.3975	1.0000
IRAK2	rs1144911	3	NC	Ato	A	0.40	0.89	0.5562	1.0000	A	0.39	0.75	0.1154	1.0000	A	0.40	0.93	0.4948	1.0000	A	0.39	1.06	0.4716	1.0000	A	0.40	0.97	0.5780	1.0000
IRAK2	rs155584	3	NC	Ato	C	0.41	0.96	0.8348	1.0000	C	0.44	1.45	0.0440	1.0000	C	0.40	1.08	0.4689	1.0000	C	0.44	1.00	0.9692	1.0000	C	0.43	1.06	0.3080	1.0000
IRAK2	rs263408	3	NC	Ato	G	0.07	0.92	0.8348	1.0000	G	0.07	0.86	0.6947	1.0000	G	0.10	1.17	0.2932	1.0000	G	0.09	0.84	0.2209	1.0000	G	0.09	0.97	0.7551	1.0000
IRAK2	rs263410	3	NC	Ato	T	0.16	1.14	0.6616	1.0000	T	0.14	0.95	0.8137	1.0000	T	0.15	1.39	0.3677	1.0000	T	0.13	0.89	0.3302	1.0000	T	0.14	0.95	0.6180	1.0000
IRAK2	rs263412	3	NC	Ato	G	0.08	1.25	0.5633	1.0000	G	0.08	0.74	0.3832	1.0000	G	0.11	1.17	0.3107	1.0000	G	0.10	0.80	0.1012	1.0000	G	0.09	0.94	0.5443	1.0000
IRAK2	rs1169674	3	NC	Ato	A	0.01	*	0.2390	1.0000	A	0.01	1.00	1.0000	1.0000	A	0.00	*	0.0185	0.7332	A	0.01	0.98	0.9568	1.0000	A	0.01	0.85	0.5510	1.0000
IRAK2	rs459864	3	NC	Ato	A	0.15	1.15	0.6472	1.0000	A	0.14	0.79	0.2981	1.0000	A	0.17	0.92	0.5252	1.0000	A	0.14	0.96	0.7406	1.0000	A	0.15	0.94	0.3978	1.0000
IRAK2	rs464286	3	CS	Ato	C	0.07	2.29	0.0572	1.0000	C	0.07	0.69	0.3925	1.0000	C	0.08	1.27	0.1653	1.0000	C	0.07	0.92	0.5930	1.0000	C	0.07	1.09	0.4452	1.0000
IRAK2	rs2302859	3	NC	Ato	G	0.23	1.27	0.3314	1.0000	G	0.22	0.85	0.4474	1.0000	G	0.24	1.01	0.9113	1.0000	G	0.22	0.93	0.4620	1.0000	G	0.22	0.97	0.6889	1.0000
IRAK2	rs3844283	3	CNS	Ato	G	0.43	1.08	0.6920	1.0000	G	0.43	1.28	0.1757	1.0000	G	0.37	1.13	0.2631	1.0000	G	0.43	1.09	0.2950	1.0000	G	0.42	1.12	0.0553	1.0000
IRAK2	rs779905	3	NC	Ato	T	0.14	1.08	0.7773	1.0000	T	0.14	0.78	0.2916	1.0000	T	0.14	0.82	0.1469	1.0000	T	0.13	0.94	0.6208	1.0000	T	0.14	0.89	0.1432	1.0000
IRAK2	rs776514	3	NC	Ato	A	0.43	0.85	0.3884	1.0000	A	0.43	0.92	0.6572	1.0000	A	0.47	1.02	0.8752	1.0000	A	0.44	0.93	0.3725	1.0000	A	0.44	0.95	0.3443	1.0000
IRAK2	rs708035	3	CNS	Ato	A	0.36	0.75	0.1387	1.0000	A	0.36	0.98	0.9263	1.0000	A	0.39	0.94	0.5784	1.0000	A	0.37	0.96	0.5956	1.0000	A	0.37	0.93	0.2450	1.0000
IRAK2	rs11706450	3	NC	Ato	T	0.48	0.92	0.6380	1.0000	T	0.48	0.77	0.1502	1.0000	T	0.52	0.84	0.1166	1.0000	T	0.48	0.91	0.2620	1.0000	T	0.49	0.88	0.0237	0.9251
IRAK2	rs713016	3	NC	Ato	A	0.12	1.61	0.1070	1.0000	A	0.12	0.59	0.0339	1.0000	A	0.13	0.85	0.2322	1.0000	A	0.11	0.87	0.2674	1.0000	A	0.12	0.87	0.0870	1.0000
IRAK2	rs11465932	3	NC	Ato	C	0.48	0.93	0.7079	1.0000	C	0.48	0.76	0.1278	1.0000	C	0.52	0.83	0.0827	1.0000	C	0.48	0.89	0.1548	1.0000	C	0.49	0.86	0.0105	0.4102
IRAK4	rs10880565	12	NC	Ato	C	0.10	1.08	0.8474	1.0000	C	0.10	1.17	0.5714	1.0000	C	0.11	1.24	0.2220	1.0000	C	0.11	0.82	0.1340	1.0000	C	0.10	0.98	0.8683	1.0000
IRAK4	rs4251431	12	NC	Ato	T	0.08	0.85	0.6829	1.0000	T	0.08	1.26	0.4453	1.0000	T	0.10	1.20	0.3165	1.0000	T	0.09	0.89	0.4082	1.0000	T	0.09	1.01	0.8999	1.0000
IRAK4	rs1461567	12	NC	Ato	A	0.31	0.88	0.5443	1.0000	A	0.26	0.89	0.5599	1.0000	A	0.24	0.95	0.6586	1.0000	A	0.28	0.95	0.5583	1.0000	A	0.28	0.93	0.2980	1.0000
IRAK4	rs4251513	12	NC	Ato	G	0.47	1.08	0.6891	1.0000	C	0.48	0.95	0.7406	1.0000	C	0.44	1.03	0.8220	1.0000	G	0.50	1.02	0.8059	1.0000	C	0.49	0.98	0.7689	1.0000
IRAK4	rs4251565	12	NC	Ato	C	0.08	1.19	0.6119	1.0000	C	0.07	0.90	0.7455	1.0000	C	0.03	1.00	1.0000	1.0000	C	0.07	1.10	0.5622	1.0000	C	0.07	1.06	0.6127	1.0000

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Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>IRAK4</i>	rs6582484	12	NC	Ato	G	0.18	1.64	0.0647	0.9704	G	0.15	1.06	0.8111	1.0000	G	0.11	1.31	0.0921	1.0000	G	0.15	1.20	0.1113	1.0000	G	0.15	1.24	0.0077	0.1149
<i>LBP</i>	rs1780616	20	NC	Ato	A	0.34	0.67	0.0469	0.9859	A	0.37	1.14	0.4723	1.0000	A	0.36	0.98	0.8632	1.0000	A	0.37	1.00	0.9563	1.0000	A	0.36	0.97	0.6769	1.0000
<i>LBP</i>	rs5741812	20	NC	Ato	T	0.12	2.08	0.0253	0.5307	T	0.11	0.86	0.5860	1.0000	T	0.14	0.69	0.3345	1.0000	T	0.12	0.94	0.6096	1.0000	T	0.12	0.98	0.8714	1.0000
<i>LBP</i>	rs2232571	20	NC	Ato	C	0.19	1.24	0.4222	1.0000	C	0.17	1.38	0.2323	1.0000						C	0.17	0.97	0.8026	1.0000	C	0.18	1.05	0.6269	1.0000
<i>LBP</i>	rs2232580	20	CNS	Ato	T	0.08	3.17	0.0077	0.1616	T	0.06	1.00	1.0000	1.0000	T	0.09	0.92	0.6798	1.0000						T	0.08	1.13	0.4637	1.0000
<i>LBP</i>	rs1609800	20	NC	Ato	T	0.43	1.09	0.6350	1.0000	T	0.43	1.03	0.8575	1.0000	T	0.45	0.95	0.6125	1.0000	T	0.44	1.15	0.1007	1.0000	T	0.44	1.06	0.2902	1.0000
<i>LBP</i>	rs6014804	20	NC	Ato	G	0.16	1.72	0.0617	1.0000	G	0.13	1.13	0.6224	1.0000	G	0.13	0.97	0.8316	1.0000	G	0.14	0.93	0.5467	1.0000	G	0.14	1.01	0.8775	1.0000
<i>LBP</i>	rs11536949	20	NC	Ato	T	0.08	1.18	0.6217	1.0000	T	0.10	1.53	0.1474	1.0000	T	0.07	0.60	0.0237	0.4971	T	0.09	1.05	0.7569	1.0000	T	0.09	0.98	0.8435	1.0000
<i>LBP</i>	rs12624843	20	NC	Ato	A	0.38	0.93	0.7029	1.0000	A	0.41	0.75	0.0963	1.0000	A	0.40	0.89	0.2988	1.0000	A	0.40	0.99	0.9429	1.0000	A	0.40	0.93	0.1967	1.0000
<i>LBP</i>	rs1780627	20	NC	Ato	A	0.44	0.86	0.4369	1.0000	A	0.43	1.09	0.6410	1.0000	A	0.41	1.00	1.0000	1.0000	A	0.45	1.10	0.2323	1.0000	A	0.44	1.05	0.4417	1.0000
<i>LBP</i>	rs11536988	20	NC	Ato	T	0.04	1.33	0.5923	1.0000	T	0.05	1.17	0.6947	1.0000	T	0.03	1.21	0.4909	1.0000						T	0.04	1.22	0.3496	1.0000
<i>LBP</i>	rs2232618	20	CNS	Ato	G	0.10	0.74	0.3832	1.0000	G	0.09	2.08	0.0308	0.6460	G	0.07	1.08	0.6890	1.0000	G	0.09	0.77	0.0708	1.0000	G	0.09	0.93	0.5009	1.0000
<i>LBP</i>	rs745144	20	NC	Ato	T	0.41	0.76	0.1650	1.0000	T	0.42	1.16	0.4206	1.0000	T	0.39	0.96	0.7021	1.0000	T	0.41	1.04	0.6442	1.0000	T	0.41	1.00	0.9786	1.0000
<i>MYD88</i>	rs156265	3	CNS	Ato	C	0.15	0.76	0.3262	1.0000	C	0.13	1.26	0.3385	1.0000	C	0.16	1.22	0.1507	1.0000	C	0.15	0.96	0.7509	1.0000	C	0.15	1.05	0.5119	1.0000
<i>MYD88</i>	rs2239621	3	NC	Ato	T	0.25	1.09	0.7218	1.0000	T	0.27	1.06	0.7675	1.0000	T	0.25	0.97	0.7920	1.0000	T	0.26	1.12	0.2423	1.0000	T	0.26	1.06	0.3573	1.0000
<i>MYD88</i>	rs7625290	3	NC	Ato	C	0.04	1.25	0.6370	1.0000	C	0.05	1.63	0.2729	1.0000	C	0.04	0.78	0.3943	1.0000	C	0.05	0.98	0.8978	1.0000	C	0.05	1.00	0.9790	1.0000
<i>MYD88</i>	rs6853	3	NC	Ato	G	0.11	1.35	0.3419	1.0000	G	0.12	1.33	0.3165	1.0000	G	0.11	0.97	0.8685	1.0000	G	0.12	1.08	0.5591	1.0000	G	0.12	1.09	0.3583	1.0000
<i>MYD88</i>	rs6796045	3	NC	Ato	A	0.07	1.40	0.4131	1.0000	A	0.07	1.07	0.8527	1.0000	A	0.07	1.02	0.9207	1.0000	A	0.07	1.10	0.5527	1.0000	A	0.07	1.09	0.4459	1.0000
<i>NFKB1</i>	rs747559	4	NC	Ato	G	0.38	1.09	0.6766	1.0000	G	0.39	1.14	0.5063	1.0000	G	0.39	0.91	0.4122	1.0000	G	0.40	0.88	0.1410	1.0000	G	0.39	0.93	0.2388	1.0000
<i>NFKB1</i>	rs3774932	4	NC	Ato	G	0.53	0.88	0.5402	1.0000	A	0.46	1.17	0.4011	1.0000	A	0.45	1.08	0.4604	1.0000	A	0.45	1.14	0.1210	1.0000	A	0.46	1.12	0.0503	1.0000
<i>NFKB1</i>	rs3774934	4	NC	Ato	A	0.10	0.79	0.4453	1.0000	A	0.11	1.28	0.4343	1.0000	A	0.09	1.43	0.0296	0.8024	A	0.10	1.08	0.5707	1.0000	A	0.10	1.17	0.0969	1.0000
<i>NFKB1</i>	rs1598857	4	NC	Ato	T	0.38	1.09	0.6732	1.0000	T	0.38	1.14	0.5063	1.0000	T	0.39	0.89	0.2959	1.0000	T	0.39	0.89	0.1469	1.0000	T	0.39	0.93	0.1989	1.0000
<i>NFKB1</i>	rs1598856	4	NC	Ato	C	0.53	0.90	0.6079	1.0000	T	0.46	1.17	0.4051	1.0000	T	0.45	1.09	0.4296	1.0000	T	0.45	1.12	0.1645	1.0000	T	0.45	1.11	0.0656	1.0000
<i>NFKB1</i>	rs230533	4	NC	Ato	A	0.33	1.29	0.2629	1.0000	A	0.33	0.98	0.9199	1.0000	A	0.32	0.92	0.4579	1.0000	A	0.34	0.85	0.0660	1.0000	A	0.33	0.91	0.1455	1.0000
<i>NFKB1</i>	rs4647992	4	NC	Ato	T	0.04	0.33	0.0764	1.0000	T	0.05	2.14	0.0845	1.0000	T	0.07	0.93	0.7419	1.0000	T	0.04	1.07	0.7529	1.0000	T	0.05	1.02	0.8851	1.0000
<i>NFKB1</i>	rs4648004	4	NC	Ato	C	0.36	1.25	0.2913	1.0000	C	0.34	1.06	0.7237	1.0000	C	0.35	0.98	0.8738	1.0000	C	0.34	1.12	0.2110	1.0000	C	0.34	1.08	0.2322	1.0000
<i>NFKB1</i>	rs230510	4	NC	Ato	T	0.54	0.88	0.5359	1.0000	A	0.45	1.14	0.4650	1.0000	A	0.44	1.14	0.2268	1.0000	A	0.44	1.13	0.1308	1.0000	A	0.45	1.14	0.0309	0.8360
<i>NFKB1</i>	rs4648022	4	NC	Ato	A	0.08	0.75	0.4489	1.0000	A	0.08	0.70	0.2610	1.0000	A	0.08	1.00	1.0000	1.0000	A	0.09	1.05	0.7107	1.0000	A	0.08	0.97	0.7662	1.0000
<i>NFKB1</i>	rs230542	4	NC	Ato	T	0.34	1.25	0.3168	1.0000	T	0.34	0.93	0.6976	1.0000	T	0.33	0.89	0.2944	1.0000	T	0.35	0.86	0.0902	1.0000	T	0.34	0.90	0.1002	1.0000

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Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
NFKB1	rs1598859	4	NC	Ato	C	0.35	1.26	0.2803	1.0000	C	0.35	0.98	0.9230	1.0000	C	0.34	0.86	0.1872	1.0000	C	0.37	0.88	0.1224	1.0000	C	0.36	0.91	0.1176	1.0000
NFKB1	rs11722146	4	NC	Ato	A	0.29	1.03	0.9093	1.0000	A	0.30	0.84	0.3749	1.0000	A	0.29	0.92	0.4608	1.0000	A	0.31	0.91	0.2653	1.0000	A	0.30	0.91	0.1445	1.0000
NFKB1	rs4648090	4	NC	Ato	A	0.14	1.26	0.4453	1.0000	A	0.12	0.82	0.4382	1.0000	A	0.13	0.96	0.7783	1.0000	A	0.13	0.95	0.6609	1.0000	A	0.13	0.96	0.6101	1.0000
NFKB1	rs4648110	4	NC	Ato	T	0.21	0.93	0.7928	1.0000	T	0.19	0.73	0.1348	1.0000	T	0.20	0.99	0.9024	1.0000	T	0.20	0.93	0.5051	1.0000	T	0.20	0.92	0.2709	1.0000
NFKB1	rs230547	4	NC	Ato	A	0.09	0.85	0.6217	1.0000	A	0.11	1.28	0.4343	1.0000	A	0.10	1.44	0.0348	0.9431	A	0.09	1.01	0.9626	1.0000	A	0.10	1.14	0.1773	1.0000
NFKB1	rs997476	4	NC	Ato	A	0.06	0.75	0.5120	1.0000	A	0.06	0.71	0.3162	1.0000	A	0.07	0.98	0.9230	1.0000	A	0.06	0.86	0.3595	1.0000	A	0.06	0.87	0.2318	1.0000
NFKB2	rs7076748	10	NC	Ato	G	0.27	1.32	0.2635	1.0000	G	0.27	1.14	0.4944	1.0000	G	0.27	1.07	0.5729	1.0000	G	0.28	1.03	0.7077	1.0000	G	0.27	1.08	0.2690	1.0000
NFKB2	rs7897947	10	NC	Ato	G	0.21	1.35	0.2754	1.0000	G	0.22	1.31	0.2443	1.0000	G	0.22	1.23	0.1352	0.8112	G	0.21	1.00	0.9684	1.0000	G	0.21	1.11	0.1511	0.9066
NFKB2	rs1056890	10	NC	Ato	T	0.34	0.73	0.1528	0.9168	T	0.32	0.98	0.9207	1.0000	T	0.29	1.17	0.1861	1.0000	T	0.33	1.05	0.5652	1.0000	T	0.32	1.04	0.5003	1.0000
NFKBIA	rs7152826	14	NC	Ato	C	0.38	1.08	0.7003	1.0000	C	0.41	1.05	0.7778	1.0000	C	0.39	0.91	0.3809	1.0000	C	0.39	1.07	0.4008	1.0000	C	0.39	1.02	0.7434	1.0000
NFKBIA	rs3138056	14	NC	Ato	A	0.32	0.84	0.3988	1.0000	A	0.30	0.61	0.0107	0.1926	A	0.30	1.18	0.1749	1.0000	A	0.31	0.95	0.5562	1.0000	A	0.31	0.95	0.4003	1.0000
NFKBIA	rs3138055	14	NC	Ato	C	0.25	0.95	0.8208	1.0000	C	0.29	0.86	0.4369	1.0000	C	0.26	0.92	0.4853	1.0000	C	0.28	1.12	0.2336	1.0000	C	0.27	1.01	0.8971	1.0000
NFKBIA	rs696	14	NC	Ato	T	0.41	1.35	0.1348	1.0000	T	0.38	1.26	0.1861	1.0000	T	0.45	1.07	0.5246	1.0000	T	0.37	0.95	0.5627	1.0000	T	0.39	1.05	0.3994	1.0000
NFKBIA	rs2233419	14	NC	Ato	A	0.18	0.86	0.5411	1.0000	A	0.18	0.77	0.2569	1.0000	A	0.14	0.94	0.6970	1.0000	A	0.19	1.06	0.5563	1.0000	A	0.18	0.97	0.7373	1.0000
NFKBIA	rs10782383	14	CS	Ato	T	0.22	0.79	0.2747	1.0000	T	0.20	0.73	0.1528	1.0000	T	0.19	1.10	0.5169	1.0000	T	0.22	0.98	0.8360	1.0000	T	0.21	0.95	0.5129	1.0000
NFKBIA	rs1957106	14	CS	Ato	A	0.30	1.34	0.1674	1.0000						A	0.32	1.02	0.8252	1.0000	A	0.30	0.99	0.9502	1.0000	A	0.31	1.03	0.6059	1.0000
NFKBIA	rs2233407	14	NC	Ato	T	0.05	1.00	1.0000	1.0000	T	0.05	1.67	0.2182	1.0000	T	0.02	1.29	0.6166	1.0000	T	0.06	0.89	0.5125	1.0000	T	0.05	1.00	0.9722	1.0000
NFKBIA	rs3138052	14	NC	Ato	G	0.28	0.86	0.4967	1.0000	G	0.25	0.72	0.1150	1.0000											G	0.27	0.78	0.1058	1.0000
NFKBIA	rs3138045	14	NC	Ato	G	0.21	0.82	0.4382	1.0000	G	0.19	0.78	0.2916	1.0000	G	0.16	1.22	0.1472	1.0000	G	0.20	0.98	0.8624	1.0000	G	0.19	1.01	0.9212	1.0000
NFKBIB	rs7251489	19	NC	Ato	T	0.08	2.10	0.0458	0.8240	T	0.07	1.18	0.6217	1.0000	T	0.07	0.91	0.6585	1.0000	T	0.07	0.99	0.9566	1.0000	T	0.07	1.06	0.5874	1.0000
NFKBIB	rs10410544	19	NC	Ato	A	0.42	0.80	0.2684	1.0000	A	0.44	1.11	0.5838	1.0000	A	0.43	1.03	0.7913	1.0000	A	0.48	0.91	0.2492	1.0000	A	0.45	0.95	0.4117	1.0000
NFKBIB	rs4802998	19	NC	Ato	G	0.36	0.80	0.2732	1.0000	G	0.38	1.21	0.3088	1.0000	G	0.35	0.99	0.9081	1.0000	G	0.41	0.89	0.1692	1.0000	G	0.39	0.94	0.2896	1.0000
NFKBIB	rs2053071	19	NC	Ato	G	0.39	0.95	0.7718	1.0000	G	0.38	0.85	0.3610	1.0000	G	0.40	0.93	0.5428	1.0000	G	0.35	1.11	0.2436	1.0000	G	0.37	1.01	0.9230	1.0000
NFKBIB	rs4803006	19	NC	Ato	T	0.36	0.68	0.0654	1.0000	T	0.38	1.23	0.2648	1.0000	T	0.36	0.87	0.2167	1.0000	T	0.40	0.89	0.1810	1.0000	T	0.38	0.90	0.0707	1.0000
NFKBIB	rs2241704	19	NC	Ato	T	0.22	0.83	0.4247	1.0000	T	0.22	0.92	0.6799	1.0000	T	0.25	0.94	0.6478	1.0000	T	0.21	1.13	0.2204	1.0000	T	0.22	1.02	0.8278	1.0000
NFKBIB	rs3136641	19	NC	Ato	A	0.25	1.74	0.0121	0.2171	A	0.24	1.00	1.0000	1.0000	A	0.24	1.16	0.2193	1.0000	A	0.24	1.03	0.7748	1.0000	A	0.24	1.12	0.0977	1.0000
NFKBIB	rs3136646	19	NC	Ato	T	0.23	0.85	0.4853	1.0000	T	0.24	0.98	0.9191	1.0000	T	0.24	0.97	0.7928	1.0000	T	0.22	1.12	0.2353	1.0000	T	0.23	1.03	0.6468	1.0000
NFKBIB	rs9403	19	NC	Ato	G	0.38	1.25	0.2684	1.0000	G	0.35	0.83	0.3046	1.0000	G	0.36	1.04	0.7004	1.0000	G	0.33	0.99	0.9000	1.0000	G	0.35	1.01	0.9005	1.0000
NFKBIE	rs13296	6	CS	Ato	T	0.33	1.56	0.0408	0.4574	T	0.31	1.16	0.4454	1.0000	T	0.27	0.89	0.3315	1.0000	T	0.31	0.95	0.6004	1.0000	T	0.31	1.00	0.9589	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>NFKBIE</i>	rs1875324	6	CS	Ato											T	0.23	0.87	0.2991	1.0000						T	0.23	0.87	0.2991	1.0000
<i>NFKBIE</i>	rs520639	6	NC	Ato	A	0.13	0.96	0.8840	1.0000	A	0.14	0.88	0.6681	1.0000	A	0.13	0.97	0.8206	1.0000	A	0.12	1.45	0.0036	0.0408	A	0.13	1.16	0.0875	0.9815
<i>NFKBIE</i>	rs2282151	6	NC	Ato	G	0.21	0.78	0.3242	1.0000	G	0.21	1.02	0.9126	1.0000	G	0.25	0.95	0.7043	1.0000	G	0.23	0.83	0.0552	0.6184	G	0.22	0.88	0.0681	0.7643
<i>NFKBIE</i>	rs730775	6	NC	Ato	G	0.42	0.87	0.5223	1.0000	G	0.41	1.40	0.0673	0.7487	G	0.43	0.89	0.2873	1.0000	G	0.42	1.03	0.7471	1.0000	G	0.42	1.00	0.9583	1.0000
<i>NFKBIE</i>	rs483536	6	NC	Ato	A	0.33	1.17	0.4911	1.0000	A	0.38	0.78	0.1632	1.0000	A	0.32	1.01	0.9136	1.0000	A	0.36	0.93	0.3867	1.0000	A	0.35	0.95	0.3934	1.0000
<i>TICAM1</i>	rs1046673	19	NC	Ato	A	0.14	0.82	0.4835	1.0000	A	0.13	0.92	0.7773	1.0000	A	0.17	1.03	0.7920	1.0000	A	0.15	1.11	0.3621	1.0000	A	0.15	1.04	0.6042	1.0000
<i>TICAM1</i>	rs2292151	19	CS	Ato	A	0.23	1.18	0.4853	1.0000	A	0.26	0.81	0.3120	1.0000	A	0.24	1.07	0.5831	1.0000	A	0.24	1.04	0.6664	1.0000	A	0.24	1.03	0.6362	1.0000
<i>TICAM1</i>	rs4807651	19	NC	Ato	G	0.37	0.90	0.6079	1.0000	G	0.40	0.80	0.2329	1.0000	G	0.37	0.85	0.1416	1.0000	G	0.38	1.00	0.9684	1.0000	G	0.38	0.92	0.1918	1.0000
<i>TICAM1</i>	rs4807000	19	NC	Ato	A	0.38	1.16	0.4677	1.0000	A	0.39	1.03	0.8575	1.0000	A	0.40	1.17	0.1372	1.0000	A	0.40	0.91	0.2429	1.0000	A	0.39	1.02	0.7878	1.0000
<i>TIRAP</i>	rs594318	11	NC	Ato						C	0.23	0.90	0.6961	1.0000											C	0.23	0.90	0.6961	1.0000
<i>TIRAP</i>	rs591163	11	NC	Ato	T	0.23	0.78	0.2848	1.0000	T	0.22	0.98	0.9165	1.0000	T	0.28	0.93	0.5366	1.0000	T	0.23	0.87	0.1423	1.0000	T	0.23	0.89	0.0878	1.0000
<i>TIRAP</i>	rs672908	11	NC	Ato	G	0.23	0.79	0.3385	1.0000	G	0.22	0.96	0.8330	1.0000	G	0.28	0.94	0.6109	1.0000	G	0.23	0.87	0.1502	1.0000	G	0.23	0.90	0.1038	1.0000
<i>TIRAP</i>	rs671492	11	NC	Ato	T	0.25	1.33	0.1897	1.0000	T	0.26	1.27	0.2483	1.0000	T	0.21	0.92	0.5373	1.0000	T	0.24	0.96	0.6721	1.0000	T	0.24	1.01	0.8526	1.0000
<i>TIRAP</i>	rs10893493	11	NC	Ato	G	0.12	1.13	0.6681	1.0000	G	0.11	0.91	0.7630	1.0000	G	0.10	0.98	0.9257	1.0000	G	0.12	0.99	0.9040	1.0000	G	0.12	0.99	0.9283	1.0000
<i>TIRAP</i>	rs8177352	11	NC	Ato	C	0.20	1.00	1.0000	1.0000	C	0.19	0.67	0.0763	1.0000	C	0.24	1.19	0.1701	1.0000	C	0.20	1.02	0.8214	1.0000	C	0.20	1.03	0.7098	1.0000
<i>TIRAP</i>	rs595022	11	NC	Ato	A	0.24	0.86	0.5470	1.0000	A	0.26	1.05	0.8312	1.0000	A	0.22	0.97	0.8422	1.0000	A	0.27	1.16	0.1145	1.0000	A	0.25	1.07	0.3359	1.0000
<i>TIRAP</i>	rs646005	11	NC	Ato	G	0.39	0.83	0.3654	1.0000	G	0.38	0.91	0.5929	1.0000	A	0.52	0.99	0.9153	1.0000	G	0.40	0.90	0.2178	1.0000	G	0.40	0.93	0.2106	1.0000
<i>TIRAP</i>	rs1392060	11	NC	Ato	C	0.12	1.13	0.6681	1.0000	C	0.11	1.38	0.2323	1.0000	C	0.10	0.98	0.9257	1.0000	C	0.13	1.00	0.9744	1.0000	C	0.12	1.04	0.6331	1.0000
<i>TIRAP</i>	rs1893352	11	NC	Ato	C	0.15	0.89	0.6802	1.0000	C	0.16	0.77	0.2779	1.0000	C	0.20	1.15	0.3012	1.0000	C	0.17	1.02	0.8534	1.0000	C	0.17	1.02	0.8050	1.0000
<i>TIRAP</i>	rs8177371	11	NC	Ato	T	0.12	1.30	0.3356	1.0000	T	0.11	1.36	0.2404	1.0000	T	0.10	0.98	0.9287	1.0000						T	0.11	1.14	0.3296	1.0000
<i>TIRAP</i>	rs12272651	11	NC	Ato	G	0.05	1.25	0.6370	1.0000	G	0.04	0.64	0.2952	1.0000	G	0.05	1.27	0.2975	1.0000	G	0.03	0.98	0.9321	1.0000	G	0.04	1.06	0.6979	1.0000
<i>TLR1</i>	rs4543123	4	NC	Ato	G	0.21	0.88	0.6170	1.0000	G	0.24	0.94	0.7630	1.0000	G	0.20	0.87	0.2866	1.0000	G	0.21	0.81	0.0351	0.3161	G	0.21	0.85	0.0203	0.1831
<i>TLR1</i>	rs4833095	4	CNS	Ato	G	0.23	0.94	0.8055	1.0000	G	0.26	0.96	0.8415	1.0000	G	0.21	0.89	0.3878	1.0000	G	0.22	0.81	0.0392	0.3526	G	0.22	0.86	0.0382	0.3437
<i>TLR1</i>	rs5743611	4	CNS	Ato	C	0.11	1.12	0.7388	1.0000	C	0.12	0.75	0.2842	1.0000	C	0.08	0.88	0.5021	1.0000	C	0.09	1.13	0.4075	1.0000	C	0.10	0.99	0.9343	1.0000
<i>TLR1</i>	rs5743594	4	NC	Ato	T	0.20	1.25	0.3773	1.0000	T	0.18	0.93	0.7419	1.0000	T	0.22	1.09	0.5447	1.0000	T	0.21	1.05	0.6507	1.0000	T	0.20	1.06	0.4256	1.0000
<i>TLR1</i>	rs5743562	4	NC	Ato	C	0.16	1.04	0.8927	1.0000	C	0.19	1.00	1.0000	1.0000	C	0.15	0.85	0.2745	1.0000	C	0.17	0.90	0.3164	1.0000	C	0.17	0.91	0.2102	1.0000
<i>TLR1</i>	rs5743551	4	NC	Ato	C	0.23	0.97	0.9013	1.0000	C	0.25	1.00	1.0000	1.0000	C	0.21	0.86	0.2627	1.0000	C	0.22	0.81	0.0304	0.2733	C	0.23	0.86	0.0294	0.2642
<i>TLR1</i>	rs4833103	4	NC	Ato	G	0.48	1.23	0.3070	1.0000	G	0.48	0.91	0.6014	1.0000	G	0.47	0.99	0.9149	1.0000	G	0.46	0.89	0.1636	1.0000	G	0.47	0.95	0.3506	1.0000
<i>TLR10</i>	rs10008492	4	NC	Ato	T	0.38	1.02	0.9156	1.0000	T	0.40	0.79	0.1827	1.0000	T	0.33	0.90	0.3363	1.0000	T	0.34	0.95	0.5681	1.0000	T	0.36	0.92	0.1753	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
TLR10	rs10776483	4	CS	Ato	C	0.19	0.82	0.4382	1.0000	C	0.20	0.92	0.6766	1.0000	C	0.17	0.88	0.3658	1.0000	C	0.19	0.90	0.3027	1.0000	C	0.19	0.89	0.1127	0.8667
TLR10	rs11096957	4	CNS	Ato	G	0.34	0.91	0.6732	1.0000	G	0.37	0.76	0.1278	1.0000	G	0.29	0.84	0.1407	1.0000	G	0.32	0.92	0.3151	1.0000	G	0.33	0.87	0.0311	0.2393
TLR10	rs10856838	4	CS	Ato	T	0.18	0.89	0.6802	1.0000	T	0.18	0.57	0.0177	0.1405	T	0.14	0.86	0.3361	1.0000	T	0.15	0.93	0.5300	1.0000	T	0.16	0.85	0.0566	0.4349
TLR10	rs4130727	4	NC	Ato	C	0.14	1.10	0.7576	1.0000	C	0.16	0.62	0.0512	0.4076	C	0.12	0.82	0.2515	1.0000	C	0.12	0.97	0.7959	1.0000	C	0.13	0.88	0.1589	1.0000
TLR10	rs10004195	4	NC	Ato	T	0.22	0.91	0.7054	1.0000	T	0.24	1.00	1.0000	1.0000	T	0.20	0.86	0.2564	1.0000	T	0.21	0.82	0.0413	0.3058	T	0.22	0.86	0.0300	0.2308
TLR2	rs13150331	4	NC	Ato	G	0.43	0.85	0.4188	1.0000	G	0.43	0.98	0.9276	1.0000	G	0.43	1.05	0.6347	1.0000	G	0.40	0.96	0.6391	1.0000	G	0.42	0.98	0.7409	1.0000
TLR2	rs1898830	4	NC	Ato	G	0.36	0.88	0.5315	1.0000	G	0.36	0.98	0.9293	1.0000	G	0.33	1.04	0.7062	1.0000	G	0.32	0.97	0.7366	1.0000	G	0.34	0.99	0.8159	1.0000
TLR2	rs4696483	4	NC	Ato	T	0.13	0.85	0.6217	1.0000	T	0.13	1.28	0.3532	1.0000	T	0.11	1.15	0.4241	1.0000	T	0.13	1.01	0.9181	1.0000	T	0.12	1.06	0.5060	1.0000
TLR2	rs3804100	4	CS	Ato	G	0.07	1.40	0.4131	1.0000	G	0.08	0.96	0.8840	1.0000	G	0.05	1.43	0.1304	1.0000	G	0.07	1.13	0.4430	1.0000	G	0.07	1.18	0.1416	1.0000
TLR2	rs5743704	4	CNS	Ato	T	0.04	0.83	0.7629	1.0000	T	0.04	0.83	0.6696	1.0000	T	0.04	0.85	0.4846	1.0000	T	0.04	1.00	0.9819	1.0000	T	0.04	0.92	0.5375	1.0000
TLR2	rs7656411	4	NC	Ato	C	0.24	1.43	0.1446	1.0000	C	0.25	1.11	0.5741	1.0000	C	0.28	0.91	0.3810	1.0000	C	0.27	1.01	0.9315	1.0000	C	0.26	1.01	0.9021	1.0000
TLR2	rs1339	4	CNS	Ato	G	0.20	0.85	0.5218	1.0000	G	0.20	0.82	0.3451	1.0000	G	0.22	1.08	0.5603	1.0000	G	0.22	0.96	0.6759	1.0000	G	0.21	0.97	0.6341	1.0000
TLR2	rs2289318	4	NC	Ato	C	0.22	0.94	0.7962	1.0000	C	0.20	1.12	0.6001	1.0000	C	0.18	0.94	0.6599	1.0000	C	0.20	1.04	0.6922	1.0000	C	0.20	1.01	0.8603	1.0000
TLR3	rs956239	4	NC	Ato	A	0.16	0.96	0.8907	1.0000	A	0.18	1.05	0.8231	1.0000	A	0.19	1.26	0.0794	1.0000	A	0.16	0.80	0.0419	0.7540	A	0.17	0.97	0.7381	1.0000
TLR3	rs6822014	4	NC	Ato	C	0.21	1.52	0.0884	1.0000	C	0.20	0.90	0.6505	1.0000	C	0.19	0.95	0.6647	1.0000	C	0.20	1.15	0.1820	1.0000	C	0.20	1.08	0.3049	1.0000
TLR3	rs11721827	4	NC	Ato	G	0.15	0.71	0.2471	1.0000	G	0.14	0.94	0.8055	1.0000	G	0.13	0.99	0.9376	1.0000	G	0.16	1.06	0.6225	1.0000	G	0.15	0.99	0.9248	1.0000
TLR3	rs3775296	4	NC	Ato	T	0.20	1.52	0.0884	1.0000	T	0.19	0.90	0.6505	1.0000	T	0.19	0.96	0.7560	1.0000	T	0.19	1.14	0.2211	1.0000	T	0.19	1.08	0.3063	1.0000
TLR3	rs3775291	4	CNS	Ato	T	0.30	0.98	0.9183	1.0000	T	0.32	1.11	0.5741	1.0000	T	0.29	1.07	0.5662	1.0000	T	0.29	0.83	0.0358	0.6442	T	0.30	0.94	0.3196	1.0000
TLR3	rs10025405	4	NC	Ato	G	0.45	1.24	0.2732	1.0000	G	0.44	0.90	0.5838	1.0000	G	0.41	1.01	0.9569	1.0000	G	0.44	0.97	0.7070	1.0000	G	0.43	0.99	0.9274	1.0000
TLR3	rs4862633	4	NC	Ato	A	0.23	0.77	0.2779	1.0000	A	0.23	1.11	0.6419	1.0000	A	0.26	0.96	0.7638	1.0000	A	0.24	1.22	0.0399	0.7191	A	0.24	1.08	0.2617	1.0000
TLR3	rs4608848	4	NC	Ato	C	0.38	0.88	0.4984	1.0000	C	0.36	1.00	1.0000	1.0000	C	0.36	0.96	0.7349	1.0000	C	0.39	1.18	0.0454	0.8170	C	0.37	1.06	0.2974	1.0000
TLR3	rs1519309	4	NC	Ato	G	0.34	0.73	0.1348	1.0000	G	0.35	1.08	0.7029	1.0000	G	0.37	0.96	0.7004	1.0000	G	0.35	1.23	0.0148	0.2669	G	0.35	1.08	0.2251	1.0000
TLR4	rs10759930	9	NC	Ato	T	0.42	0.88	0.5784	1.0000	T	0.40	1.24	0.2226	1.0000	T	0.37	1.06	0.6026	1.0000	T	0.38	0.94	0.4312	1.0000	T	0.39	1.00	0.9825	1.0000
TLR4	rs2737191	9	NC	Ato	G	0.26	1.39	0.1621	1.0000	G	0.27	0.80	0.2521	1.0000	G	0.26	0.91	0.4311	1.0000	G	0.28	0.91	0.3305	1.0000	G	0.27	0.93	0.2624	1.0000
TLR4	rs2770150	9	NC	Ato	G	0.26	1.42	0.1323	1.0000	G	0.27	0.80	0.2521	1.0000	G	0.26	1.35	0.3054	1.0000	G	0.28	0.91	0.3219	1.0000	G	0.27	0.96	0.6095	1.0000
TLR4	rs1927914	9	NC	Ato	C	0.32	0.83	0.3880	1.0000	C	0.33	0.97	0.8575	1.0000	C	0.37	1.02	0.8653	1.0000	C	0.34	1.16	0.0826	1.0000	C	0.34	1.06	0.3086	1.0000
TLR4	rs1927911	9	NC	Ato	A	0.24	0.78	0.3167	1.0000	A	0.26	1.02	0.9257	1.0000	A	0.27	0.99	0.9503	1.0000	A	0.26	1.24	0.0191	0.5178	A	0.26	1.10	0.1575	1.0000
TLR4	rs11536878	9	NC	Ato	T	0.11	0.72	0.2847	1.0000	T	0.13	1.29	0.3167	1.0000	T	0.11	0.93	0.6596	1.0000	T	0.12	1.12	0.3632	1.0000	T	0.12	1.04	0.6405	1.0000
TLR4	rs1927907	9	NC	Ato	T	0.14	0.94	0.8658	1.0000	T	0.13	0.80	0.4137	1.0000	T	0.15	0.97	0.8694	1.0000	T	0.14	1.25	0.0555	1.0000	T	0.14	1.09	0.3053	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
TLR4	rs11536889	9	NC	Ato	C	0.15	0.78	0.3859	1.0000	C	0.16	1.44	0.1119	1.0000	C	0.17	1.01	0.9432	1.0000	C	0.14	0.86	0.2052	1.0000	C	0.15	0.96	0.6057	1.0000
TLR4	rs7873784	9	NC	Ato	C	0.15	0.65	0.1220	1.0000	C	0.16	1.05	0.8231	1.0000	C	0.16	0.94	0.7021	1.0000	C	0.16	1.25	0.0438	1.0000	C	0.16	1.07	0.3776	1.0000
TLR4	rs11536897	9	NC	Ato	T	0.04	1.50	0.4370	1.0000	T	0.05	0.70	0.3022	1.0000	T	0.07	0.96	0.8365	1.0000	T	0.05	1.10	0.6068	1.0000	T	0.05	1.01	0.9593	1.0000
TLR4	rs1927906	9	NC	Ato	C	0.09	0.90	0.7455	1.0000	C	0.08	1.06	0.8694	1.0000	C	0.13	1.06	0.7334	1.0000	C	0.10	1.18	0.2362	1.0000	C	0.10	1.10	0.3268	1.0000
TLR4	rs1554973	9	NC	Ato	C	0.25	0.76	0.2151	1.0000	C	0.24	1.08	0.6949	1.0000	C	0.29	0.98	0.8538	1.0000	C	0.26	1.26	0.0136	0.3690	C	0.26	1.10	0.1555	1.0000
TLR4	rs913930	9	NC	Ato	C	0.33	1.36	0.1577	1.0000	C	0.35	0.75	0.1054	1.0000	C	0.34	0.97	0.7768	1.0000	C	0.36	0.85	0.0554	1.0000	C	0.34	0.90	0.0937	1.0000
TLR4	rs1927905	9	NC	Ato	G	0.04	1.14	0.7962	1.0000	G	0.06	0.75	0.3972	1.0000	G	0.08	0.96	0.8382	1.0000	G	0.06	1.11	0.5644	1.0000	G	0.06	1.00	0.9710	1.0000
TLR4	rs7045953	9	NC	Ato	C	0.16	0.63	0.0946	1.0000	C	0.16	1.08	0.7389	1.0000	C	0.16	0.91	0.5462	1.0000	C	0.16	1.24	0.0544	1.0000	C	0.16	1.06	0.4860	1.0000
TLR5	rs2241096	1	NC	Ato	A	0.10	1.00	1.0000	1.0000	A	0.11	1.67	0.0816	0.7347	A	0.09	1.28	0.2072	1.0000	A	0.10	1.33	0.0377	0.3398	A	0.10	1.33	0.0055	0.0494
TLR5	rs2096141	1	NC	Ato	T	0.47	0.75	0.1769	1.0000	T	0.49	0.97	0.8628	1.0000	T	0.48	0.96	0.7219	1.0000	T	0.47	0.96	0.6568	1.0000	T	0.48	0.95	0.3449	1.0000
TLR5	rs5744105	1	NC	Ato	G	0.48	0.81	0.3070	1.0000	G	0.51	1.01	0.9309	1.0000	C	0.50	1.00	0.9601	1.0000	G	0.49	0.98	0.7969	1.0000	G	0.49	0.97	0.6417	1.0000
TLR5	rs5744097	1	NC	Ato	A	0.04	1.67	0.2182	1.0000	A	0.04	0.91	0.8272	1.0000	A	0.03	0.62	0.1667	1.0000	A	0.04	0.99	0.9639	1.0000	A	0.04	0.96	0.7916	1.0000
TLR6	rs7696175	4	NC	Ato	A	0.43	0.90	0.6152	1.0000	A	0.42	1.13	0.4828	1.0000	A	0.45	1.03	0.7511	1.0000	A	0.45	1.13	0.1476	1.0000	A	0.44	1.08	0.1978	1.0000
TLR6	rs5743810	4	CNS	Ato	T	0.41	0.84	0.4090	1.0000	T	0.40	1.11	0.5741	1.0000						T	0.44	1.14	0.1278	1.0000	T	0.43	1.09	0.2181	1.0000
TLR6	rs1039559	4	NC	Ato	C	0.47	1.02	0.9207	1.0000	C	0.45	1.15	0.4279	1.0000	T	0.50	0.78	0.3526	1.0000	C	0.49	1.07	0.3948	1.0000	C	0.48	1.09	0.2036	1.0000
TLR6	rs5743806	4	NC	Ato	G	0.34	1.02	0.9136	1.0000	G	0.33	0.90	0.5741	1.0000	G	0.34	1.22	0.0818	0.7364	G	0.31	1.05	0.5895	1.0000	G	0.32	1.08	0.2331	1.0000
TLR6	rs5743794	4	NC	Ato	A	0.17	1.04	0.8907	1.0000	A	0.19	0.93	0.7449	1.0000	A	0.16	0.82	0.1605	1.0000	A	0.17	0.91	0.3910	1.0000	A	0.17	0.90	0.1480	1.0000
TLR6	rs6531670	4	NC	Ato	G	0.34	1.02	0.9136	1.0000	G	0.33	0.93	0.7079	1.0000	G	0.34	1.22	0.0818	0.7364	G	0.31	1.04	0.6580	1.0000	G	0.32	1.08	0.2352	1.0000
TLR9	rs352163	3	NC	Ato	G	0.46	0.92	0.6830	1.0000	G	0.45	0.94	0.7237	1.0000	G	0.44	1.28	0.0244	0.1850	G	0.48	0.91	0.2322	1.0000	G	0.46	1.01	0.9099	1.0000
TLR9	rs352140	3	CS	Ato	C	0.46	0.91	0.6222	1.0000	C	0.45	0.88	0.4723	1.0000	C	0.43	1.22	0.0689	0.5233	C	0.47	0.95	0.4921	1.0000	C	0.46	1.01	0.9238	1.0000
TLR9	rs187084	3	NC	Ato	G	0.41	0.73	0.1270	0.9731	G	0.41	1.05	0.7948	1.0000	G	0.42	0.78	0.0274	0.2083	G	0.39	1.11	0.2321	1.0000	G	0.40	0.96	0.4963	1.0000
TLR9	rs352143	3	CS	Ato	G	0.20	1.37	0.2104	1.0000	G	0.20	1.26	0.3107	1.0000	G	0.21	0.86	0.2425	1.0000	G	0.21	1.12	0.2597	1.0000	G	0.21	1.06	0.4002	1.0000
TLR9	rs11717574	3	NC	Ato	C	0.16	1.75	0.0418	0.3203	C	0.15	1.03	0.9042	1.0000	C	0.15	1.07	0.6599	1.0000	C	0.16	0.93	0.5225	1.0000	C	0.16	1.03	0.6820	1.0000
TOLLIP	rs3750919	11	NC	Ato	A	0.25	0.73	0.1734	1.0000	A	0.20	0.91	0.6586	1.0000	A	0.23	1.06	0.6349	1.0000	A	0.23	1.16	0.1211	1.0000	A	0.23	1.06	0.4142	1.0000
TOLLIP	rs5744038	11	NC	Ato	C	0.06	2.00	0.1924	1.0000	C	0.07	1.67	0.1551	1.0000	C	0.03	1.44	0.2033	1.0000	C	0.07	1.25	0.1817	1.0000	C	0.06	1.37	0.0144	0.6146
TOLLIP	rs3829223	11	NC	Ato						G	0.47	0.98	0.9165	1.0000	G	0.45	1.23	0.0488	1.0000	G	0.48	1.21	0.0215	0.8480	G	0.47	1.19	0.0042	0.1804
TOLLIP	rs3793964	11	NC	Ato	A	0.39	0.90	0.6001	1.0000	A	0.34	0.83	0.4247	1.0000	A	0.36	1.11	0.3156	1.0000	A	0.37	1.17	0.0712	1.0000	A	0.37	1.10	0.1323	1.0000
TOLLIP	rs3793966	11	NC	Ato											G	0.45	1.21	0.0634	1.0000						G	0.45	1.21	0.0634	1.0000
TOLLIP	rs3750920	11	CS	Ato	T	0.42	1.31	0.2443	1.0000	T	0.47	0.82	0.3264	1.0000	T	0.49	0.99	0.9107	1.0000						T	0.46	0.99	0.9284	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
TOLLIP	rs5743961	11	NC	Ato	T	0.04	1.00	1.0000	1.0000	T	0.05	0.55	0.2218	1.0000	T	0.05	0.60	0.0461	1.0000	T	0.05	0.74	0.1188	1.0000	T	0.05	0.69	0.0092	0.3937
TOLLIP	rs5743955	11	NC	Ato	T	0.05	0.79	0.5480	1.0000	T	0.04	2.25	0.1601	1.0000	T	0.05	0.74	0.2016	1.0000	T	0.05	0.82	0.2863	1.0000	T	0.05	0.84	0.1752	1.0000
TOLLIP	rs5743942	11	NC	Ato	T	0.49	0.86	0.4677	1.0000	T	0.47	1.04	0.8383	1.0000	C	0.50	0.87	0.1671	1.0000						C	0.51	0.93	0.3575	1.0000
TOLLIP	rs11042484	11	NC	Ato	A	0.09	0.74	0.3832	1.0000	A	0.07	0.94	0.8658	1.0000	A	0.06	1.12	0.6000	1.0000	A	0.08	1.16	0.3191	1.0000	A	0.08	1.08	0.5057	1.0000
TOLLIP	rs5743925	11	NC	Ato	C	0.01	*	0.0959	1.0000	C	0.01	1.00	1.0000	1.0000	C	0.02	0.77	0.5304	1.0000	C	0.01	0.76	0.5362	1.0000	C	0.01	0.73	0.2660	1.0000
TOLLIP	rs5743915	11	NC	Ato	A	0.41	0.94	0.7630	1.0000	A	0.39	1.11	0.5806	1.0000	A	0.41	0.68	0.1875	1.0000	A	0.42	1.11	0.2039	1.0000	A	0.41	1.06	0.3973	1.0000
TOLLIP	rs5743900	11	NC	Ato	G	0.21	0.76	0.2378	1.0000	G	0.17	0.95	0.8161	1.0000	G	0.21	1.02	0.9005	1.0000	G	0.20	1.22	0.0500	1.0000	G	0.20	1.08	0.3091	1.0000
TOLLIP	rs5743899	11	NC	Ato	C	0.18	1.20	0.5462	1.0000	C	0.19	1.08	0.7324	1.0000	C	0.15	1.12	0.4532	1.0000	C	0.19	0.96	0.6849	1.0000	C	0.18	1.03	0.7143	1.0000
TOLLIP	rs5743894	11	NC	Ato	C	0.16	1.26	0.3696	1.0000	C	0.17	1.09	0.7255	1.0000	C	0.19	1.00	1.0000	1.0000	C	0.18	1.00	0.9865	1.0000	C	0.18	1.03	0.7029	1.0000
TOLLIP	rs5743890	11	NC	Ato	C	0.13	1.65	0.0993	1.0000	C	0.17	0.90	0.6419	1.0000	C	0.16	0.93	0.6265	1.0000	C	0.16	0.81	0.0597	1.0000	C	0.16	0.90	0.1839	1.0000
TOLLIP	rs5743867	11	NC	Ato	G	0.08	0.83	0.6696	1.0000	G	0.08	0.67	0.2044	1.0000	G	0.07	1.50	0.0513	1.0000	G	0.07	0.86	0.3717	1.0000	G	0.07	0.99	0.9094	1.0000
TOLLIP	rs5743856	11	NC	Ato	G	0.03	1.75	0.3627	1.0000	G	0.03	1.33	0.5923	1.0000	G	0.02	1.34	0.3958	1.0000	G	0.03	1.73	0.0298	1.0000	G	0.03	1.57	0.0136	0.5809
TOLLIP	rs5743854	11	NC	Ato	G	0.10	1.20	0.6013	1.0000	G	0.11	0.68	0.1879	1.0000	G	0.09	1.51	0.0282	1.0000	G	0.10	1.08	0.5623	1.0000	G	0.10	1.14	0.1923	1.0000
TOLLIP	rs5743851	11	NC	Ato	C	0.09	0.90	0.7455	1.0000	C	0.09	0.86	0.6393	1.0000	C	0.13	1.13	0.4635	1.0000	C	0.08	1.10	0.5449	1.0000	C	0.09	1.06	0.5496	1.0000
TRAF6	rs331463	11	NC	Ato	T	0.16	1.06	0.8161	1.0000	T	0.17	0.87	0.5528	1.0000	T	0.15	0.79	0.1109	1.0000	T	0.17	1.08	0.4837	1.0000	T	0.16	0.96	0.6310	1.0000
TRAF6	rs3740961	11	NC	Ato	C	0.13	0.87	0.6472	1.0000	C	0.14	1.23	0.3920	1.0000	C	0.13	1.29	0.1025	1.0000	C	0.12	0.94	0.6300	1.0000	C	0.12	1.07	0.4468	1.0000
TRAF6	rs5030472	11	NC	Ato	T	0.11	1.41	0.2153	1.0000	T	0.12	0.67	0.1367	1.0000	T	0.13	0.85	0.2987	1.0000	T	0.12	1.11	0.3961	1.0000	T	0.12	0.99	0.9424	1.0000
TRAF6	rs4755453	11	NC	Ato	C	0.16	1.08	0.7324	1.0000	C	0.17	0.74	0.2032	1.0000	C	0.15	0.82	0.1746	1.0000	C	0.17	1.06	0.5665	1.0000	C	0.17	0.95	0.5237	1.0000
TRAF6	rs5030419	11	NC	Ato	C	0.12	1.15	0.6472	1.0000	C	0.13	1.24	0.3848	1.0000	C	0.13	0.98	0.8781	1.0000	C	0.11	0.92	0.5302	1.0000	C	0.12	0.99	0.9386	1.0000
TRAF6	rs5030416	11	NC	Ato	C	0.14	1.19	0.5551	1.0000	C	0.13	1.37	0.2104	1.0000	C	0.14	0.96	0.7630	1.0000	C	0.12	0.88	0.3293	1.0000	C	0.13	0.98	0.8167	1.0000
TRAF6	rs5030411	11	NC	Ato	G	0.40	0.96	0.8430	1.0000	G	0.40	0.92	0.6467	1.0000	G	0.42	0.81	0.0492	1.0000	G	0.38	0.99	0.8626	1.0000	G	0.39	0.92	0.1489	1.0000
TRAF6	rs5030489	11	NC	Ato	G	0.07	0.67	0.2717	1.0000	G	0.07	1.23	0.5160	1.0000	G	0.08	0.79	0.1681	1.0000						G	0.08	0.84	0.2067	1.0000
TRAF6	rs5030403	11	NC	Ato	A	0.13	1.25	0.3773	1.0000	A	0.14	0.60	0.0397	0.8331	A	0.13	0.85	0.2666	1.0000	A	0.14	1.27	0.0457	0.9593	A	0.14	1.03	0.7295	1.0000
TRAF6	rs5030488	11	NC	Ato	G	0.10	0.69	0.2265	1.0000	G	0.11	1.00	1.0000	1.0000	G	0.13	0.89	0.3932	1.0000	G	0.10	0.88	0.3396	1.0000	G	0.11	0.87	0.1308	1.0000
TRAF6	rs331455	11	NC	Ato	G	0.26	0.87	0.5175	1.0000	G	0.27	0.82	0.2961	1.0000	G	0.27	0.83	0.0798	1.0000	G	0.26	1.04	0.6564	1.0000	G	0.27	0.92	0.2038	1.0000
CD14	rs778583	5	NC	AA	T	0.28	1.08	0.8415	1.0000	T	0.28	1.30	0.3356	1.0000	T	0.25	1.08	0.5286	1.0000	T	0.28	0.91	0.4308	1.0000	T	0.28	1.01	0.8737	1.0000
CD14	rs778584	5	NC	AA	A	0.49	0.63	0.1477	1.0000	A	0.48	0.83	0.4599	1.0000	G	0.45	1.06	0.6051	1.0000	A	0.49	0.98	0.8196	1.0000	A	0.50	0.93	0.3130	1.0000
CD14	rs4914	5	CS	AA	C	0.12	0.57	0.3627	1.0000	C	0.11	0.60	0.2182	1.0000	C	0.11	0.91	0.6255	1.0000	C	0.12	1.09	0.5710	1.0000	C	0.12	0.96	0.6931	1.0000
CD14	rs2569190**	5	NC	AA	A	0.48	0.67	0.2044	0.6132	A	0.48	0.86	0.5411	1.0000	G	0.45	1.03	0.7739	1.0000	A	0.48	0.97	0.7361	1.0000	A	0.49	0.94	0.3833	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>CD14</i>	rs5744455	5	NC	AA	T	0.23	2.29	0.0572	0.5145	T	0.24	1.00	1.0000	1.0000	T	0.19	1.02	0.8846	1.0000	T	0.24	1.07	0.5683	1.0000	T	0.23	1.08	0.3755	1.0000
<i>CD14</i>	rs2569193**	5	NC	AA											A	0.25	1.03	0.7937	1.0000						A	0.25	1.03	0.7937	1.0000
<i>CD14</i>	rs3822356	5	NC	AA	G	0.23	1.78	0.1587	1.0000	G	0.24	0.95	0.8788	1.0000	G	0.19	1.02	0.8846	1.0000	G	0.23	1.05	0.6713	1.0000	G	0.23	1.06	0.5152	1.0000
<i>CHUK</i>	rs3808916	10	NC	AA	A	0.07	*	0.0039	0.0471	A	0.07	1.00	1.0000	1.0000	A	0.09	1.35	0.1116	1.0000	A	0.06	1.05	0.8200	1.0000	A	0.07	1.12	0.3823	1.0000
<i>CHUK</i>	rs3818411	10	NC	AA	A	0.51	1.06	0.8658	1.0000	G	0.49	0.95	0.8185	1.0000	G	0.43	1.17	0.1653	1.0000	G	0.47	0.81	0.0330	0.2972	G	0.47	0.95	0.4579	1.0000
<i>CHUK</i>	rs17885986	10	NC	AA	T	0.06	1.00	1.0000	1.0000	T	0.05	0.50	0.2437	1.0000	T	0.06	1.10	0.6661	1.0000	T	0.06	0.88	0.5653	1.0000	T	0.06	0.95	0.7059	1.0000
<i>CHUK</i>	rs17880383	10	CS	AA	A	0.06	0.75	0.7050	1.0000	A	0.04	0.14	0.0245	0.2935	A	0.07	0.92	0.6766	1.0000	A	0.06	1.22	0.3376	1.0000	A	0.06	0.98	0.8947	1.0000
<i>CHUK</i>	rs11595324	10	NC	AA	C	0.05	1.50	0.5257	1.0000	C	0.04	0.56	0.2817	1.0000	C	0.04	1.00	1.0000	1.0000						C	0.04	0.94	0.8026	1.0000
<i>CHUK</i>	rs17885645	10	NC	AA	C	0.42	1.57	0.1806	1.0000	C	0.41	0.97	0.9028	1.0000	C	0.47	0.76	0.0156	0.1874	C	0.46	1.17	0.1218	1.0000	C	0.44	0.99	0.8712	1.0000
<i>IKBKAP</i>	rs10521090	9	NC	AA	C	0.31	3.14	0.0043	0.1449	C	0.29	0.83	0.4529	1.0000	C	0.28	0.96	0.7389	1.0000	C	0.31	1.13	0.2639	1.0000	C	0.30	1.08	0.3409	1.0000
<i>IKBKAP</i>	rs1417714	9	NC	AA	G	0.55	0.58	0.1027	1.0000	A	0.42	1.07	0.7962	1.0000	A	0.38	0.93	0.5260	1.0000	A	0.45	1.11	0.3073	1.0000	A	0.44	1.05	0.4522	1.0000
<i>IKBKAP</i>	rs7872727	9	NC	AA	G	0.23	0.92	0.8348	1.0000	G	0.20	0.94	0.8658	1.0000	G	0.18	0.78	0.0825	1.0000	G	0.23	1.09	0.4944	1.0000	G	0.22	0.95	0.5263	1.0000
<i>IKBKAP</i>	rs10816750	9	NC	AA	A	0.15	1.00	1.0000	1.0000	A	0.16	0.58	0.0839	1.0000	A	0.20	0.95	0.7216	1.0000	A	0.16	1.06	0.6850	1.0000	A	0.16	0.96	0.6325	1.0000
<i>IKBKAP</i>	rs1981268	9	NC	AA	C	0.11	0.57	0.3627	1.0000	C	0.11	1.75	0.1980	1.0000	C	0.11	0.91	0.6349	1.0000						C	0.11	0.97	0.8676	1.0000
<i>IKBKAP</i>	rs4978753	9	NC	AA	A	0.16	1.00	1.0000	1.0000	A	0.16	0.58	0.0839	1.0000	A	0.20	0.95	0.7216	1.0000	A	0.16	1.07	0.6098	1.0000	A	0.17	0.96	0.6840	1.0000
<i>IKBKAP</i>	rs2275496	9	NC	AA	G	0.52	0.88	0.7236	1.0000	A	0.45	0.91	0.7008	1.0000	A	0.47	1.18	0.1695	1.0000	A	0.45	0.83	0.0888	1.0000	A	0.46	0.97	0.7206	1.0000
<i>IKBKAP</i>	rs10512388	9	NC	AA	A	0.11	1.75	0.3627	1.0000	A	0.10	2.86	0.0106	0.3587	A	0.09	0.76	0.1999	1.0000	A	0.12	1.21	0.2472	1.0000	A	0.11	1.14	0.2758	1.0000
<i>IKBKAP</i>	rs4978374	9	NC	AA	T	0.22	0.67	0.4370	1.0000	T	0.25	1.20	0.6013	1.0000	T	0.23	0.95	0.7256	1.0000	T	0.24	0.98	0.8734	1.0000	T	0.24	0.97	0.7400	1.0000
<i>IKBKAP</i>	rs3780507	9	NC	AA	C	0.27	1.25	0.5633	1.0000	C	0.26	1.04	0.8907	1.0000	C	0.28	0.88	0.3111	1.0000	C	0.28	1.18	0.1603	1.0000	C	0.27	1.04	0.6234	1.0000
<i>IKBKAP</i>	rs10759326	9	CNS	AA	C	0.18	1.00	1.0000	1.0000	C	0.16	1.85	0.0684	1.0000	C	0.15	0.83	0.2421	1.0000	C	0.19	1.23	0.1077	1.0000	C	0.18	1.10	0.3318	1.0000
<i>IKBKAP</i>	rs2275632	9	NC	AA	A	0.05	0.67	0.6536	1.0000	A	0.06	1.67	0.3147	1.0000	A	0.04	1.00	1.0000	1.0000						A	0.05	1.09	0.7139	1.0000
<i>IKBKAP</i>	rs3818932	9	NC	AA	G	0.31	1.46	0.3345	1.0000	G	0.29	0.74	0.2754	1.0000	G	0.32	1.33	0.0372	1.0000	G	0.28	0.82	0.0737	1.0000	G	0.29	0.99	0.8813	1.0000
<i>IKBKAP</i>	rs838827	9	CNS	AA	A	0.06	3.00	0.1480	1.0000	A	0.05	5.00	0.0158	0.5341	A	0.05	0.57	0.0563	1.0000	A	0.06	1.34	0.1662	1.0000	A	0.06	1.17	0.3341	1.0000
<i>IKBKAP</i>	rs838825	9	NC	AA	G	0.17	1.00	1.0000	1.0000	G	0.20	1.50	0.2044	1.0000	G	0.18	1.09	0.5923	1.0000	G	0.19	1.07	0.5897	1.0000	G	0.18	1.10	0.2807	1.0000
<i>IKBKAP</i>	rs838824	9	NC	AA	T	0.37	1.80	0.1279	1.0000	T	0.33	1.04	0.8907	1.0000	T	0.37	1.14	0.2992	1.0000	T	0.34	0.89	0.2938	1.0000	T	0.35	1.02	0.8372	1.0000
<i>IKBKAP</i>	rs2297579	9	NC	AA	A	0.07	1.00	1.0000	1.0000	A	0.09	1.30	0.5310	1.0000	A	0.06	0.86	0.5348	1.0000	A	0.08	0.99	0.9770	1.0000	A	0.08	0.98	0.8709	1.0000
<i>IKBKAP</i>	rs838818	9	NC	AA	G	0.33	0.67	0.3157	1.0000	G	0.33	0.67	0.1782	1.0000	G	0.34	0.90	0.3961	1.0000	G	0.33	0.98	0.8182	1.0000	G	0.33	0.91	0.2195	1.0000
<i>IKBKAP</i>	rs838819	9	NC	AA	T	0.48	0.69	0.3345	1.0000	T	0.51	0.85	0.5714	1.0000	T	0.50	0.92	0.4974	1.0000	C	0.51	0.97	0.7942	1.0000	T	0.50	0.96	0.5827	1.0000
<i>IKBKAP</i>	rs2289480	9	NC	AA	C	0.38	1.23	0.5771	1.0000	C	0.38	0.93	0.7928	1.0000	C	0.38	1.25	0.0851	1.0000	C	0.36	0.84	0.1083	1.0000	C	0.37	0.99	0.9297	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>IKBKB</i>	rs3747811	8	NC	AA	A	0.49	0.79	0.4922	1.0000	A	0.48	0.97	0.9013	1.0000	A	0.47	1.09	0.4550	1.0000	A	0.48	0.91	0.3479	1.0000	A	0.48	0.97	0.7081	1.0000
<i>IKBKB</i>	rs11986055	8	NC	AA	C	0.04	2.00	0.3127	1.0000	C	0.03	0.40	0.2491	1.0000	C	0.02	1.80	0.2817	1.0000	C	0.04	1.13	0.6487	1.0000	C	0.03	1.19	0.4255	1.0000
<i>IKBKB</i>	rs5029748	8	NC	AA	A	0.26	0.71	0.4131	1.0000	A	0.24	1.15	0.6472	1.0000	A	0.27	1.02	0.8461	1.0000	A	0.26	0.91	0.3868	1.0000	A	0.26	0.96	0.5941	1.0000
<i>IKBKB</i>	rs4560769	8	NC	AA	C	0.08	1.40	0.5628	1.0000	C	0.07	0.78	0.6166	1.0000	C	0.10	1.04	0.8501	1.0000	C	0.09	1.26	0.1997	1.0000	C	0.09	1.13	0.3155	1.0000
<i>IKBKB</i>	rs2272733	8	NC	AA	A	0.10	1.60	0.4033	1.0000	A	0.11	1.09	0.8348	1.0000	A	0.12	1.23	0.2685	1.0000	A	0.13	1.22	0.2041	1.0000	A	0.12	1.23	0.0702	1.0000
<i>IKBKB</i>	rs17875746	8	NC	AA	A	0.04	1.00	1.0000	1.0000	A	0.04	1.00	1.0000	1.0000	A	0.09	0.94	0.7630	1.0000	A	0.05	1.35	0.2039	1.0000	A	0.05	1.09	0.5650	1.0000
<i>IKBKB</i>	rs10958713	8	NC	AA	A	0.35	0.68	0.2874	1.0000	A	0.34	1.15	0.5928	1.0000	A	0.37	0.92	0.4854	1.0000	A	0.36	0.89	0.2727	1.0000	A	0.36	0.91	0.2018	1.0000
<i>IL18</i>	rs543810	11	NC	AA	C	0.12	0.50	0.2437	1.0000	C	0.12	1.09	0.8348	1.0000	C	0.14	1.13	0.5173	1.0000	C	0.09	0.86	0.4030	1.0000	C	0.11	0.96	0.7422	1.0000
<i>IL18</i>	rs549908	11	CS	AA	G	0.30	1.20	0.6013	1.0000	G	0.29	1.47	0.2156	1.0000	G	0.30	1.09	0.4925	1.0000	G	0.31	1.02	0.8439	1.0000	G	0.30	1.08	0.3204	1.0000
<i>IL18</i>	rs5744256	11	NC	AA	C	0.26	1.00	1.0000	1.0000	C	0.27	0.63	0.0946	1.0000	C	0.26	0.77	0.0548	0.6581	C	0.26	0.92	0.4701	1.0000	C	0.26	0.84	0.0307	0.3682
<i>IL18</i>	rs1834481	11	NC	AA	C	0.26	1.00	1.0000	1.0000	C	0.26	0.56	0.0762	0.9139	C	0.27	0.76	0.0810	0.9720						C	0.26	0.74	0.0259	0.3113
<i>IL18</i>	rs2043055	11	NC	AA	G	0.35	1.06	0.8618	1.0000	G	0.34	1.15	0.5993	1.0000	G	0.32	1.15	0.2693	1.0000	G	0.38	1.14	0.2167	1.0000	G	0.36	1.14	0.0828	0.9932
<i>IL18</i>	rs360717**	11	NC	AA	A	0.27	1.21	0.5897	1.0000	A	0.26	1.35	0.3419	1.0000	A	0.27	1.00	1.0000	1.0000						A	0.27	1.06	0.6074	1.0000
<i>IL18</i>	rs1946518	11	NC	AA	T	0.40	0.89	0.7388	1.0000	T	0.39	1.23	0.4747	1.0000	T	0.43	0.97	0.8137	1.0000	T	0.38	0.97	0.7488	1.0000	T	0.39	0.98	0.7931	1.0000
<i>IL18</i>	rs360712	11	CS	AA	C	0.26	1.21	0.5897	1.0000	C	0.25	1.22	0.5267	1.0000	C	0.24	0.95	0.6844	1.0000	C	0.26	1.09	0.4628	1.0000	C	0.25	1.05	0.5733	1.0000
<i>IL18BP</i>	rs2276384	11	NC	AA	C	0.03	1.00	1.0000	1.0000	C	0.02	0.33	0.1480	1.0000	C	0.02	1.22	0.5889	1.0000	C	0.02	1.05	0.9022	1.0000	C	0.02	0.99	0.9657	1.0000
<i>IL18BP</i>	rs3814721	11	NC	AA	C	0.06	0.67	0.5257	1.0000	C	0.06	0.57	0.3627	1.0000	C	0.06	1.15	0.5580	1.0000	C	0.05	1.14	0.5770	1.0000	C	0.05	1.06	0.7120	1.0000
<i>IL18BP</i>	rs2298455	11	NC	AA	C	0.11	0.11	0.0067	0.0591	C	0.11	1.40	0.4131	1.0000	C	0.12	1.26	0.2078	1.0000	C	0.12	1.13	0.4578	1.0000	C	0.11	1.13	0.2765	1.0000
<i>IL18BP</i>	rs1573503	11	NC	AA	A	0.03	1.00	1.0000	1.0000	A	0.02	0.40	0.2491	1.0000	A	0.02	1.68	0.3128	1.0000	A	0.02	1.05	0.9058	1.0000	A	0.02	1.06	0.8221	1.0000
<i>IL18R1</i>	rs13015714	2	NC	AA	G	0.23	2.00	0.0992	1.0000	G	0.24	1.00	1.0000	1.0000	G	0.22	0.87	0.3490	1.0000	G	0.23	0.92	0.4717	1.0000	G	0.23	0.94	0.4668	1.0000
<i>IL18R1</i>	rs4851567	2	NC	AA	T	0.10	0.71	0.5628	1.0000																T	0.10	0.71	0.5628	1.0000
<i>IL18R1</i>	rs10170583	2	NC	AA	A	0.39	0.71	0.3162	1.0000	A	0.34	1.12	0.6802	1.0000	A	0.41	0.81	0.0854	1.0000	A	0.38	0.90	0.3261	1.0000	A	0.38	0.87	0.0637	1.0000
<i>IL18R1</i>	rs10204837	2	NC	AA	A	0.39	0.73	0.3294	1.0000	A	0.34	1.19	0.5075	1.0000	A	0.41	0.83	0.1325	1.0000	A	0.37	0.89	0.2610	1.0000	A	0.38	0.88	0.0801	1.0000
<i>IL18R1</i>	rs11465567	2	NC	AA	G	0.10	0.86	0.7814	1.0000	G	0.12	0.53	0.1412	1.0000	G	0.10	1.44	0.0795	1.0000	G	0.10	1.21	0.2570	1.0000	G	0.10	1.18	0.1733	1.0000
<i>IL18R1</i>	rs2287037	2	NC	AA	A	0.38	0.90	0.7455	1.0000	A	0.42	0.91	0.7008	1.0000	A	0.36	1.25	0.4134	1.0000	A	0.40	1.19	0.0949	1.0000	A	0.40	1.14	0.1468	1.0000
<i>IL18R1</i>	rs11465572	2	NC	AA	T	0.10	0.86	0.7814	1.0000	T	0.12	0.53	0.1412	1.0000	T	0.10	1.44	0.0795	1.0000	T	0.10	1.21	0.2566	1.0000	T	0.10	1.18	0.1731	1.0000
<i>IL18R1</i>	rs10515921	2	NC	AA	G	0.14	0.55	0.2218	1.0000	G	0.12	1.27	0.4922	1.0000	G	0.11	0.83	0.3351	1.0000	G	0.15	0.93	0.6355	1.0000	G	0.13	0.91	0.3494	1.0000
<i>IL18R1</i>	rs3771172	2	NC	AA	T	0.27	0.88	0.7149	1.0000	T	0.30	1.17	0.5714	1.0000	T	0.27	1.18	0.2147	1.0000	T	0.30	1.11	0.3376	1.0000	T	0.29	1.13	0.1301	1.0000
<i>IL18R1</i>	rs1465321	2	NC	AA	A	0.23	2.00	0.0992	1.0000	A	0.24	0.92	0.7773	1.0000	A	0.22	0.89	0.4306	1.0000	A	0.22	0.94	0.6288	1.0000	A	0.23	0.95	0.5776	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>IL18R1</i>	rs11465597	2	NC	AA	C	0.11	1.00	1.0000	1.0000	C	0.12	0.47	0.0845	1.0000	C	0.10	1.69	0.0111	0.3360	C	0.10	1.24	0.2147	1.0000	C	0.10	1.26	0.0557	1.0000
<i>IL18R1</i>	rs7579737	2	NC	AA	G	0.31	0.56	0.1279	1.0000	G	0.30	1.19	0.5075	1.0000	G	0.33	1.05	0.6885	1.0000	G	0.31	1.02	0.8725	1.0000	G	0.31	1.02	0.8150	1.0000
<i>IL18R1</i>	rs6758936	2	NC	AA	G	0.51	1.54	0.2213	1.0000	A	0.46	1.00	1.0000	1.0000	A	0.50	0.95	0.6740	1.0000	A	0.47	0.98	0.8523	1.0000	A	0.48	0.95	0.5208	1.0000
<i>IL18R1</i>	rs7558013	2	NC	AA	T	0.23	0.71	0.4131	1.0000	T	0.19	2.58	0.0032	0.0977	T	0.21	0.84	0.2376	1.0000	T	0.24	0.93	0.5118	1.0000	T	0.22	0.96	0.6009	1.0000
<i>IL18R1</i>	rs11465623	2	NC	AA	A	0.08	0.57	0.3627	1.0000	A	0.08	0.25	0.0162	0.4952	A	0.12	1.25	0.2515	1.0000	A	0.08	1.26	0.2252	1.0000	A	0.09	1.11	0.4164	1.0000
<i>IL18R1</i>	rs3213733	2	NC	AA	A	0.18	1.00	1.0000	1.0000	A	0.18	0.63	0.1300	1.0000	A	0.17	0.93	0.6692	1.0000	A	0.15	0.92	0.5739	1.0000	A	0.16	0.89	0.2549	1.0000
<i>IL18R1</i>	rs2241116	2	NC	AA	T	0.22	0.71	0.4131	1.0000	T	0.23	0.92	0.7728	1.0000	T	0.21	1.25	0.1280	1.0000	T	0.23	1.16	0.2239	1.0000	T	0.22	1.14	0.1297	1.0000
<i>IL18RAP</i>	rs1592458	2	NC	AA	T	0.49	0.65	0.2213	1.0000	T	0.46	1.03	0.8964	1.0000	T	0.50	0.95	0.6740	1.0000	T	0.47	0.97	0.7707	1.0000	T	0.48	0.95	0.4959	1.0000
<i>IL18RAP</i>	rs1807782	2	NC	AA	G	0.23	2.00	0.0992	1.0000	G	0.24	0.92	0.7773	1.0000	G	0.22	0.90	0.4749	1.0000	G	0.23	0.91	0.4178	1.0000	G	0.23	0.94	0.4558	1.0000
<i>IL18RAP</i>	rs11465670	2	NC	AA	C	0.14	0.64	0.3438	1.0000	C	0.11	1.58	0.2067	1.0000	C	0.11	0.89	0.5522	1.0000	C	0.15	1.00	0.9769	1.0000	C	0.13	0.99	0.8899	1.0000
<i>IL18RAP</i>	rs1833174	2	NC	AA	T	0.51	1.54	0.2213	1.0000	A	0.46	1.03	0.8964	1.0000	A	0.50	0.95	0.6740	1.0000	A	0.47	0.97	0.7724	1.0000	A	0.48	0.95	0.4970	1.0000
<i>IL18RAP</i>	rs2293225	2	NC	AA	A	0.22	0.71	0.4131	1.0000	A	0.23	0.88	0.6546	1.0000	A	0.21	1.26	0.1117	1.0000	A	0.23	1.16	0.2239	1.0000	A	0.22	1.14	0.1290	1.0000
<i>IL18RAP</i>	rs6756407	2	NC	AA	A	0.08	0.57	0.3627	1.0000	A	0.09	0.27	0.0275	0.7581	A	0.12	1.20	0.3396	1.0000	A	0.08	1.17	0.4047	1.0000	A	0.09	1.06	0.6201	1.0000
<i>IL18RAP</i>	rs3771156	2	NC	AA	A	0.28	0.94	0.8575	1.0000	A	0.30	1.04	0.8864	1.0000	A	0.27	1.15	0.2973	1.0000	A	0.30	1.12	0.3094	1.0000	A	0.29	1.11	0.1751	1.0000
<i>IL18RAP</i>	rs10176820	2	NC	AA	G	0.18	1.00	1.0000	1.0000	G	0.18	0.65	0.1683	1.0000	G	0.17	0.94	0.7335	1.0000	G	0.15	0.93	0.5935	1.0000	G	0.17	0.90	0.3081	1.0000
<i>IL18RAP</i>	rs2075186	2	NC	AA	A	0.18	1.00	1.0000	1.0000	A	0.18	0.63	0.1300	1.0000	A	0.17	0.94	0.7335	1.0000	A	0.15	0.93	0.5902	1.0000	A	0.17	0.90	0.2841	1.0000
<i>IL18RAP</i>	rs11465702	2	NC	AA	G	0.14	0.90	0.8185	1.0000	G	0.13	0.50	0.0435	1.0000	G	0.15	0.88	0.4793	1.0000	G	0.12	0.86	0.3208	1.0000	G	0.13	0.82	0.0704	1.0000
<i>IL18RAP</i>	rs6748390	2	NC	AA	C	0.31	0.61	0.1914	1.0000	C	0.28	1.56	0.1388	1.0000	C	0.33	0.97	0.7987	1.0000	C	0.32	0.97	0.8087	1.0000	C	0.31	0.98	0.8317	1.0000
<i>IL18RAP</i>	rs6543135	2	NC	AA	A	0.22	0.71	0.4131	1.0000	A	0.19	2.58	0.0032	0.0881	A	0.20	0.87	0.3439	1.0000	A	0.24	0.93	0.5491	1.0000	A	0.22	0.97	0.7259	1.0000
<i>IL18RAP</i>	rs11465724	2	NC	AA	A	0.03	0.67	0.6536	1.0000	A	0.03	0.17	0.0465	1.0000	A	0.03	0.86	0.6391	1.0000	A	0.04	1.23	0.4644	1.0000	A	0.03	0.93	0.6976	1.0000
<i>IL18RAP</i>	rs11465730	2	NC	AA	C	0.46	1.00	1.0000	1.0000	C	0.48	0.77	0.3090	1.0000	C	0.45	1.11	0.3975	1.0000	C	0.45	1.07	0.4999	1.0000	C	0.46	1.05	0.4848	1.0000
<i>IL18RAP</i>	rs917998	2	NC	AA	A	0.09	1.00	1.0000	1.0000	A	0.08	4.00	0.0055	0.1514	A	0.10	0.87	0.4857	1.0000	A	0.09	0.87	0.4042	1.0000	A	0.09	0.97	0.7772	1.0000
<i>IL1A</i>	rs2048874	2	NC	AA	T	0.11	2.20	0.1289	1.0000	T	0.12	2.50	0.0459	0.5471	T	0.15	1.25	0.1712	1.0000	T	0.13	1.05	0.7289	1.0000	T	0.13	1.22	0.0554	0.6581
<i>IL1A</i>	rs4848300	2	NC	AA	C	0.30	1.13	0.7236	1.0000	C	0.32	0.86	0.6393	1.0000	C	0.30	0.85	0.2018	1.0000	C	0.29	0.90	0.3685	1.0000	C	0.30	0.89	0.1422	1.0000
<i>IL1A</i>	rs3783546	2	NC	AA	G	0.30	0.74	0.3832	1.0000	G	0.29	0.68	0.2156	1.0000	G	0.29	1.09	0.5113	1.0000	G	0.31	1.01	0.9405	1.0000	G	0.30	1.00	0.9488	1.0000
<i>IL1A</i>	rs17561**	2	CNS	AA	A	0.29	1.13	0.7236	1.0000	A	0.31	0.86	0.6393	1.0000	A	0.30	0.85	0.2018	0.6054	A	0.29	0.91	0.4107	1.0000	A	0.30	0.89	0.1575	0.4725
<i>IL1A</i>	rs1800587	2	NC	AA	A	0.30	1.13	0.7236	1.0000	A	0.31	0.86	0.6393	1.0000	A	0.30	0.84	0.1792	1.0000	A	0.29	0.91	0.3929	1.0000	A	0.30	0.89	0.1397	1.0000
<i>IL1A</i>	rs3783516	2	NC	AA	A	0.40	1.20	0.6013	1.0000	A	0.39	1.48	0.1439	1.0000	A	0.41	1.07	0.5730	1.0000	A	0.40	1.08	0.4669	1.0000	A	0.40	1.11	0.1667	1.0000
<i>IL1B</i>	rs3917368	2	NC	AA	T	0.37	0.79	0.4922	1.0000	T	0.36	1.13	0.6275	1.0000	T	0.36	1.15	0.2711	1.0000	T	0.36	0.99	0.8995	1.0000	T	0.36	1.04	0.5805	1.0000

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Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>IL1B</i>	rs1143634	2	CS	AA	A	0.22	1.46	0.3345	1.0000	A	0.24	1.10	0.7576	1.0000	A	0.25	0.78	0.0628	0.3387	A	0.23	1.02	0.8808	1.0000	A	0.23	0.94	0.4364	1.0000
<i>IL1B</i>	rs1143627	2	NC	AA	G	0.34	1.54	0.2550	1.0000	G	0.33	0.79	0.3616	1.0000	G	0.27	1.14	0.3190	1.0000	G	0.34	1.03	0.8085	1.0000	G	0.33	1.06	0.4729	1.0000
<i>IL1B</i>	rs16944**	2	NC	AA	T	0.34	1.54	0.2550	0.7650	T	0.33	0.84	0.5148	1.0000	T	0.27	1.14	0.3190	0.9570	T	0.35	1.04	0.7259	1.0000	T	0.33	1.07	0.3822	1.0000
<i>IL1R1</i>	rs11883987	2	NC	AA	G	0.40	1.38	0.3294	1.0000	G	0.42	0.64	0.0892	1.0000						G	0.39	0.89	0.2640	1.0000	G	0.40	0.89	0.1875	1.0000
<i>IL1R1</i>	rs1558642	2	NC	AA	A	0.21	1.25	0.5633	1.0000	A	0.23	0.88	0.6681	1.0000	A	0.21	0.89	0.4533	1.0000	A	0.21	0.90	0.3846	1.0000	A	0.22	0.91	0.2889	1.0000
<i>IL1R1</i>	rs6754776	2	NC	AA	C	0.13	0.89	0.8083	1.0000	C	0.12	0.79	0.5480	1.0000	C	0.14	1.37	0.0637	1.0000	C	0.13	0.81	0.1720	1.0000	C	0.13	1.00	0.9905	1.0000
<i>IL1R1</i>	rs3917225	2	NC	AA	G	0.45	0.67	0.2351	1.0000	A	0.55	0.57	0.0258	0.9381	G	0.45	1.09	0.5236	1.0000	G	0.48	1.18	0.1039	1.0000	G	0.46	1.16	0.0503	1.0000
<i>IL1R1</i>	rs2192752	2	NC	AA	C	0.21	1.25	0.5633	1.0000	C	0.23	0.88	0.6681	1.0000	C	0.21	0.89	0.4533	1.0000	C	0.21	0.89	0.3649	1.0000	C	0.22	0.91	0.2772	1.0000
<i>IL1R1</i>	rs949963	2	NC	AA	T	0.18	1.56	0.2952	1.0000	T	0.19	0.54	0.0457	1.0000	T	0.17	0.84	0.2831	1.0000	T	0.16	0.93	0.5676	1.0000	T	0.17	0.87	0.1554	1.0000
<i>IL1R1</i>	rs3917243	2	NC	AA	T	0.46	0.84	0.6119	1.0000	C	0.55	0.58	0.0233	0.8481	T	0.47	0.98	0.9017	1.0000	T	0.49	1.18	0.1089	1.0000	T	0.47	1.13	0.0972	1.0000
<i>IL1R1</i>	rs3917254	2	NC	AA	A	0.10	0.56	0.2817	1.0000	A	0.10	1.10	0.8272	1.0000	A	0.05	1.86	0.0168	0.5557	A	0.10	0.91	0.5932	1.0000	A	0.09	1.08	0.5356	1.0000
<i>IL1R1</i>	rs3917273	2	NC	AA	T	0.43	1.06	0.8658	1.0000	T	0.44	0.66	0.0884	1.0000	T	0.39	1.03	0.7687	1.0000	T	0.41	1.03	0.7605	1.0000	T	0.41	0.99	0.9406	1.0000
<i>IL1R1</i>	rs3917285	2	NC	AA	T	0.09	0.63	0.4033	1.0000	T	0.10	0.44	0.0469	1.0000	T	0.12	0.94	0.7582	1.0000	T	0.08	0.98	0.8991	1.0000	T	0.09	0.87	0.2689	1.0000
<i>IL1R1</i>	rs2228139	2	CNS	AA	C	0.07	1.00	1.0000	1.0000	C	0.07	2.75	0.0653	1.0000	C	0.08	0.89	0.5874	1.0000	C	0.08	1.07	0.7152	1.0000	C	0.07	1.05	0.6915	1.0000
<i>IL1R1</i>	rs3917289	2	NC	AA	A	0.08	1.25	0.7386	1.0000	A	0.07	2.20	0.1289	1.0000	A	0.08	0.93	0.7504	1.0000	A	0.09	1.09	0.6423	1.0000	A	0.08	1.08	0.5518	1.0000
<i>IL1R1</i>	rs997049	2	NC	AA	A	0.38	0.83	0.6013	1.0000	A	0.37	1.71	0.0339	1.0000	A	0.44	1.06	0.6276	1.0000	A	0.41	1.03	0.7656	1.0000	A	0.40	1.08	0.3095	1.0000
<i>IL1R1</i>	rs3917292	2	NC	AA	A	0.07	0.60	0.4772	1.0000	A	0.06	1.17	0.7814	1.0000	A	0.05	0.66	0.1771	1.0000	A	0.08	0.96	0.8385	1.0000	A	0.07	0.87	0.3631	1.0000
<i>IL1R1</i>	rs3917296	2	NC	AA	G	0.07	*	0.0039	0.1416	G	0.06	1.00	1.0000	1.0000	G	0.08	1.30	0.2314	1.0000	G	0.08	1.05	0.7856	1.0000	G	0.08	1.07	0.6000	1.0000
<i>IL1R1</i>	rs951193	2	NC	AA	A	0.04	0.67	0.6536	1.0000	A	0.05	0.22	0.0282	1.0000	A	0.03	0.94	0.8658	1.0000	A	0.04	1.12	0.6425	1.0000	A	0.04	0.92	0.6314	1.0000
<i>IL1R1</i>	rs3917304	2	NC	AA	A	0.29	1.14	0.7149	1.0000	A	0.30	0.43	0.0034	0.1256	A	0.27	1.03	0.8415	1.0000	A	0.27	1.02	0.8513	1.0000	A	0.28	0.96	0.6086	1.0000
<i>IL1R1</i>	rs3917332	2	NC	AA	A	0.20	1.18	0.6829	1.0000	A	0.20	0.95	0.8788	1.0000	A	0.22	0.82	0.1684	1.0000	A	0.20	0.96	0.7740	1.0000	A	0.20	0.91	0.3126	1.0000
<i>IL1R1</i>	rs1030021	2	NC	AA	G	0.28	1.15	0.7053	1.0000											G	0.27	1.02	0.8542	1.0000	G	0.27	1.03	0.7757	1.0000
<i>IL1R2</i>	rs740044	2	NC	AA	A	0.27	1.50	0.3157	1.0000	A	0.28	0.79	0.3956	1.0000	A	0.29	0.79	0.0666	1.0000	A	0.30	0.85	0.1370	1.0000	A	0.29	0.84	0.0266	0.5595
<i>IL1R2</i>	rs4851519	2	NC	AA	T	0.08	0.40	0.2491	1.0000	T	0.07	1.33	0.5923	1.0000	T	0.07	1.36	0.2168	1.0000	T	0.09	0.96	0.8435	1.0000	T	0.08	1.07	0.6280	1.0000
<i>IL1R2</i>	rs4851522	2	NC	AA	T	0.13	0.78	0.6166	1.0000	T	0.14	1.25	0.5045	1.0000	T	0.10	1.21	0.3551	1.0000						T	0.12	1.16	0.3639	1.0000
<i>IL1R2</i>	rs757918	2	NC	AA	G	0.48	1.38	0.3294	1.0000	A	0.53	0.86	0.5349	1.0000	G	0.47	0.78	0.0334	0.8058	G	0.49	0.87	0.1855	1.0000	G	0.48	0.88	0.0671	1.0000
<i>IL1R2</i>	rs4851526	2	NC	AA	C	0.42	1.13	0.7236	1.0000	C	0.43	0.64	0.0789	1.0000	C	0.44	1.33	0.0172	0.4147	C	0.40	1.18	0.1145	1.0000	C	0.42	1.17	0.0330	0.6934
<i>IL1R2</i>	rs719250	2	NC	AA	T	0.08	0.25	0.0496	1.0000	T	0.09	2.75	0.0653	1.0000	T	0.08	0.86	0.4627	1.0000	T	0.10	1.01	0.9364	1.0000	T	0.09	0.96	0.7501	1.0000
<i>IL1R2</i>	rs3218848	2	NC	AA	A	0.42	1.13	0.7315	1.0000																A	0.42	1.13	0.7315	1.0000

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Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>IL1R2</i>	rs2110562	2	NC	AA	C	0.51	0.74	0.3419	1.0000	T	0.47	1.10	0.7098	1.0000	T	0.47	0.78	0.0384	0.9244	T	0.49	0.87	0.1564	1.0000	T	0.48	0.87	0.0534	1.0000
<i>IL1R2</i>	rs3218979	2	NC	AA	A	0.14	1.00	1.0000	1.0000	A	0.15	1.05	0.8728	1.0000	A	0.11	1.21	0.3308	1.0000	A	0.16	1.20	0.1926	1.0000	A	0.15	1.18	0.1234	1.0000
<i>IL1R2</i>	rs2072473	2	NC	AA	A	0.12	0.56	0.2817	1.0000	A	0.12	1.18	0.6829	1.0000	A	0.13	0.90	0.5437	1.0000	A	0.14	0.98	0.8675	1.0000	A	0.13	0.94	0.5484	1.0000
<i>IL1R2</i>	rs2072472	2	NC	AA	C	0.29	1.23	0.5771	1.0000	C	0.29	0.53	0.0253	0.5311	C	0.32	1.30	0.0395	0.9512	C	0.26	1.00	0.9812	1.0000	C	0.28	1.07	0.4205	1.0000
<i>IL1R2</i>	rs7589525	2	NC	AA	C	0.29	1.23	0.5771	1.0000	C	0.29	0.56	0.0380	0.7986	C	0.33	1.28	0.0463	1.0000	C	0.26	1.01	0.9341	1.0000	C	0.28	1.07	0.3983	1.0000
<i>IL1R2</i>	rs4851531	2	NC	AA	A	0.41	0.89	0.7388	1.0000	A	0.42	0.67	0.1201	1.0000	A	0.46	1.20	0.1249	1.0000	A	0.40	1.00	0.9936	1.0000	A	0.41	1.03	0.6589	1.0000
<i>IL1R2</i>	rs4851534	2	NC	AA	A	0.45	1.06	0.8694	1.0000	A	0.44	1.36	0.2175	1.0000	A	0.43	0.77	0.0269	0.6478	A	0.45	0.90	0.2945	1.0000	A	0.44	0.89	0.0931	1.0000
<i>IL1RL1</i>	rs4090473	2	NC	AA	G	0.48	1.12	0.7388	1.0000	C	0.55	0.65	0.0740	1.0000	G	0.47	0.87	0.2111	1.0000	G	0.49	1.00	0.9754	1.0000	G	0.48	0.99	0.8434	1.0000
<i>IL1RL1</i>	rs950880	2	NC	AA	A	0.38	0.95	0.8759	1.0000	A	0.42	0.97	0.8981	1.0000	A	0.39	1.24	0.0668	1.0000	A	0.40	1.10	0.3583	1.0000	A	0.39	1.13	0.0903	1.0000
<i>IL1RL1</i>	rs1420089	2	NC	AA	C	0.11	0.86	0.7814	1.0000	C	0.09	4.00	0.0019	0.0343	C	0.15	0.92	0.6170	1.0000	C	0.11	0.96	0.8077	1.0000	C	0.11	1.03	0.7857	1.0000
<i>IL1RL1</i>	rs1420103	2	NC	AA	A	0.24	1.78	0.1587	1.0000	A	0.26	0.86	0.5860	1.0000	A	0.22	0.92	0.5636	1.0000	A	0.24	0.99	0.9203	1.0000	A	0.24	0.98	0.7760	1.0000
<i>IL1RL1</i>	rs1041973	2	CNS	AA	A	0.23	1.00	1.0000	1.0000	A	0.24	0.46	0.0071	0.1275	A	0.24	1.07	0.6232	1.0000						A	0.24	0.92	0.4732	1.0000
<i>IL1RL1</i>	rs6719130	2	NC	AA	T	0.14	0.64	0.3438	1.0000	T	0.11	1.27	0.4922	1.0000	T	0.12	0.82	0.2955	1.0000	T	0.15	1.03	0.8318	1.0000	T	0.13	0.96	0.6708	1.0000
<i>IL1RL1</i>	rs3771175	2	NC	AA	A	0.14	0.90	0.8185	1.0000	A	0.13	0.44	0.0181	0.3251	A	0.15	0.91	0.5899	1.0000	A	0.12	0.84	0.2789	1.0000	A	0.13	0.82	0.0596	1.0000
<i>IL1RL1</i>	rs1946131	2	NC	AA	A	0.10	0.86	0.7814	1.0000	A	0.12	0.53	0.1412	1.0000	A	0.10	1.42	0.0972	1.0000	A	0.10	1.22	0.2442	1.0000	A	0.10	1.18	0.1848	1.0000
<i>IL1RL1</i>	rs1921622	2	NC	AA	T	0.52	0.74	0.3419	1.0000	C	0.46	0.94	0.8055	1.0000	T	0.48	1.18	0.1313	1.0000	C	0.45	0.88	0.1941	1.0000	C	0.47	0.89	0.0888	1.0000
<i>IL1RN</i>	rs315931	2	NC	AA	C	0.32	1.07	0.8527	1.0000	C	0.31	0.74	0.2404	1.0000	C	0.28	1.13	0.3618	1.0000	C	0.32	0.96	0.7119	1.0000	C	0.31	1.00	0.9780	1.0000
<i>IL1RN</i>	rs4251961	2	NC	AA	G	0.35	1.06	0.8618	1.0000	G	0.37	1.14	0.6113	1.0000	G	0.43	0.94	0.5687	1.0000	G	0.38	1.00	0.9654	1.0000	G	0.38	0.99	0.8809	1.0000
<i>IL1RN</i>	rs2637988	2	NC	AA	C	0.40	1.43	0.3022	1.0000	C	0.40	0.88	0.6113	1.0000	C	0.34	0.97	0.8026	1.0000	C	0.40	0.97	0.7601	1.0000	C	0.39	0.98	0.7695	1.0000
<i>IL1RN</i>	rs3213448	2	NC	AA	T	0.13	1.60	0.4033	1.0000	T	0.13	1.07	0.8527	1.0000	T	0.10	0.81	0.2602	1.0000	T	0.12	1.08	0.6405	1.0000	T	0.12	0.99	0.9076	1.0000
<i>IL1RN</i>	rs315934	2	NC	AA	G	0.21	0.56	0.1587	1.0000	G	0.20	1.24	0.4654	1.0000	G	0.18	1.13	0.4401	1.0000	G	0.19	1.12	0.3749	1.0000	G	0.20	1.09	0.3194	1.0000
<i>IL1RN</i>	rs392503**	2	NC	AA	G	0.28	1.21	0.5897	1.0000	G	0.28	0.88	0.6113	1.0000	G	0.25	1.07	0.6314	1.0000	G	0.28	0.88	0.2838	0.8514	G	0.28	0.96	0.6068	1.0000
<i>IL1RN</i>	rs1794067**	2	NC	AA	A	0.28	1.13	0.7236	1.0000	A	0.28	0.80	0.3773	1.0000	A	0.25	1.10	0.4941	1.0000	A	0.29	0.88	0.2735	0.8205	A	0.28	0.95	0.5663	1.0000
<i>IL1RN</i>	rs598859	2	NC	AA	T	0.28	1.13	0.7236	1.0000	T	0.28	0.85	0.5285	1.0000	T	0.25	1.10	0.4941	1.0000						T	0.27	1.05	0.6904	1.0000
<i>IL1RN</i>	rs973635	2	NC	AA	A	0.13	2.00	0.2437	1.0000	A	0.14	1.00	1.0000	1.0000	A	0.11	0.95	0.7833	1.0000	A	0.14	0.94	0.6603	1.0000	A	0.13	0.97	0.7884	1.0000
<i>IL1RN</i>	rs440286**	2	NC	AA	T	0.26	1.00	1.0000	1.0000	T	0.27	0.94	0.7962	1.0000	T	0.24	1.03	0.8348	1.0000	T	0.28	0.95	0.6317	1.0000	T	0.27	0.98	0.7656	1.0000
<i>IL1RN</i>	rs315952	2	CS	AA	G	0.31	1.07	0.8575	1.0000	G	0.28	1.00	1.0000	1.0000	G	0.25	0.99	0.9461	1.0000	G	0.28	1.01	0.9327	1.0000	G	0.28	1.00	0.9517	1.0000
<i>IRAK2</i>	rs11465853	3	NC	AA	G	0.31	1.78	0.1587	1.0000	G	0.33	0.81	0.4304	1.0000	G	0.33	0.86	0.2506	1.0000	G	0.32	0.99	0.9529	1.0000	G	0.32	0.95	0.4841	1.0000
<i>IRAK2</i>	rs708030	3	NC	AA	G	0.49	0.94	0.8658	1.0000	G	0.48	1.46	0.1509	1.0000	G	0.44	1.08	0.4897	1.0000	G	0.48	1.00	0.9643	1.0000	G	0.48	1.06	0.4145	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
IRAK2	rs2619508	3	NC	AA	A	0.44	1.00	1.0000	1.0000	A	0.43	1.56	0.0698	1.0000	A	0.42	1.09	0.4594	1.0000	A	0.43	0.84	0.0791	1.0000	A	0.43	0.98	0.8222	1.0000
IRAK2	rs11465861	3	NC	AA	C	0.19	0.73	0.4319	1.0000	C	0.20	1.24	0.4654	1.0000	C	0.19	1.15	0.3036	1.0000	C	0.20	0.83	0.1567	1.0000	C	0.20	0.98	0.7859	1.0000
IRAK2	rs1681663	3	NC	AA	T	0.24	1.40	0.4131	1.0000	T	0.22	1.71	0.0751	1.0000	T	0.24	0.97	0.8408	1.0000	T	0.22	0.93	0.5282	1.0000	T	0.23	1.01	0.9179	1.0000
IRAK2	rs1169670	3	NC	AA	C	0.39	1.00	1.0000	1.0000	C	0.39	0.84	0.5148	1.0000	C	0.41	0.83	0.1153	1.0000	C	0.39	1.24	0.0399	1.0000	C	0.39	1.02	0.7923	1.0000
IRAK2	rs1177614	3	NC	AA	C	0.23	1.40	0.4131	1.0000	C	0.22	2.00	0.0197	0.7706	C	0.23	0.98	0.8927	1.0000	C	0.22	0.92	0.4696	1.0000	C	0.22	1.02	0.8042	1.0000
IRAK2	rs155266	3	NC	AA	T	0.41	0.61	0.1370	1.0000	T	0.43	1.10	0.7054	1.0000	T	0.39	1.17	0.5789	1.0000	T	0.44	0.85	0.1112	1.0000	T	0.43	0.88	0.1514	1.0000
IRAK2	rs1144911	3	NC	AA	A	0.40	1.00	1.0000	1.0000	A	0.39	0.78	0.3532	1.0000	A	0.40	0.89	0.3454	1.0000	A	0.39	1.18	0.1098	1.0000	A	0.40	1.02	0.7792	1.0000
IRAK2	rs155584	3	NC	AA	C	0.41	0.68	0.2484	1.0000	C	0.44	1.11	0.6961	1.0000	C	0.40	1.12	0.3236	1.0000	C	0.44	0.86	0.1376	1.0000	C	0.43	0.96	0.5629	1.0000
IRAK2	rs263408	3	NC	AA	G	0.07	5.00	0.0880	1.0000	G	0.07	1.00	1.0000	1.0000	G	0.10	1.21	0.2458	1.0000	G	0.09	0.84	0.3559	1.0000	G	0.09	1.06	0.6365	1.0000
IRAK2	rs263410	3	NC	AA	T	0.16	2.20	0.1289	1.0000	T	0.14	1.33	0.3972	1.0000	T	0.15	1.70	0.1755	1.0000	T	0.13	0.97	0.8095	1.0000	T	0.14	1.11	0.3778	1.0000
IRAK2	rs263412	3	NC	AA	G	0.08	1.50	0.5257	1.0000	G	0.08	0.70	0.4657	1.0000	G	0.11	1.20	0.2920	1.0000	G	0.10	0.76	0.1284	1.0000	G	0.09	0.96	0.7148	1.0000
IRAK2	rs1169674	3	NC	AA						A	0.01	1.33	0.7050	1.0000	A	0.00	*	0.0185	0.7332	A	0.01	0.65	0.2828	1.0000	A	0.01	0.61	0.1321	1.0000
IRAK2	rs459864	3	NC	AA	A	0.15	1.33	0.5923	1.0000	A	0.14	1.13	0.7315	1.0000	A	0.17	0.95	0.7189	1.0000	A	0.14	1.04	0.7550	1.0000	A	0.15	1.02	0.8710	1.0000
IRAK2	rs464286	3	CS	AA	C	0.07	*	0.0039	0.1533	C	0.07	0.71	0.5628	1.0000	C	0.08	1.28	0.1887	1.0000	C	0.07	0.89	0.5601	1.0000	C	0.07	1.11	0.4176	1.0000
IRAK2	rs2302859	3	NC	AA	G	0.23	3.20	0.0138	0.5399	G	0.22	1.21	0.5368	1.0000	G	0.24	1.06	0.6184	1.0000	G	0.22	1.00	0.9983	1.0000	G	0.22	1.08	0.3445	1.0000
IRAK2	rs3844283	3	CNS	AA	G	0.43	0.67	0.2044	1.0000	G	0.43	1.07	0.7995	1.0000	G	0.37	1.16	0.2298	1.0000	G	0.43	1.02	0.8517	1.0000	G	0.42	1.05	0.5229	1.0000
IRAK2	rs779905	3	NC	AA	T	0.14	2.75	0.0653	1.0000	T	0.14	1.23	0.5160	1.0000	T	0.14	0.88	0.3943	1.0000	T	0.13	1.00	0.9755	1.0000	T	0.14	1.00	0.9833	1.0000
IRAK2	rs776514	3	NC	AA	A	0.43	1.11	0.7455	1.0000	A	0.43	0.89	0.6325	1.0000	A	0.47	0.99	0.9075	1.0000	A	0.44	0.97	0.7781	1.0000	A	0.44	0.98	0.7346	1.0000
IRAK2	rs708035	3	CNS	AA	A	0.36	0.85	0.6217	1.0000	A	0.36	0.94	0.7995	1.0000	A	0.39	0.91	0.4243	1.0000	A	0.37	1.01	0.9276	1.0000	A	0.37	0.96	0.5439	1.0000
IRAK2	rs11706450	3	NC	AA	C	0.52	0.78	0.4343	1.0000	C	0.52	1.22	0.4382	1.0000	T	0.52	0.81	0.0786	1.0000	T	0.48	0.93	0.4647	1.0000	T	0.49	0.89	0.1068	1.0000
IRAK2	rs713016	3	NC	AA	A	0.12	3.00	0.0408	1.0000	A	0.12	0.83	0.6013	1.0000	A	0.13	0.84	0.2534	1.0000	A	0.11	0.84	0.2588	1.0000	A	0.12	0.88	0.2123	1.0000
IRAK2	rs11465932	3	NC	AA	T	0.52	0.78	0.4343	1.0000	T	0.52	1.22	0.4382	1.0000	C	0.52	0.79	0.0518	1.0000	C	0.48	0.92	0.4255	1.0000	C	0.49	0.88	0.0775	1.0000
IRAK4	rs10880565	12	NC	AA	C	0.10	0.80	0.7386	1.0000	C	0.10	1.00	1.0000	1.0000	C	0.11	1.19	0.3568	1.0000	C	0.11	0.77	0.1256	1.0000	C	0.10	0.94	0.5859	1.0000
IRAK4	rs4251431	12	NC	AA	T	0.08	1.00	1.0000	1.0000	T	0.08	1.25	0.6370	1.0000	T	0.10	1.24	0.2778	1.0000	T	0.09	0.88	0.4968	1.0000	T	0.09	1.04	0.7309	1.0000
IRAK4	rs1461567	12	NC	AA	A	0.31	1.06	0.8658	1.0000	A	0.26	0.89	0.6802	1.0000	A	0.24	0.95	0.6911	1.0000	A	0.28	0.96	0.7117	1.0000	A	0.28	0.96	0.5623	1.0000
IRAK4	rs4251513	12	NC	AA	G	0.47	0.94	0.8658	1.0000	C	0.48	0.95	0.8137	1.0000	C	0.44	1.04	0.7638	1.0000	G	0.50	1.01	0.9281	1.0000	C	0.49	1.01	0.9365	1.0000
IRAK4	rs4251565	12	NC	AA	C	0.08	1.14	0.7962	1.0000	C	0.07	1.00	1.0000	1.0000	C	0.03	1.16	0.6392	1.0000	C	0.07	1.13	0.5201	1.0000	C	0.07	1.13	0.4256	1.0000
IRAK4	rs6582484	12	NC	AA	G	0.18	2.20	0.1289	1.0000	G	0.15	1.21	0.5897	1.0000	G	0.11	1.44	0.0418	0.6278	G	0.15	1.23	0.1349	1.0000	G	0.15	1.32	0.0063	0.0950
LBP	rs1780616	20	NC	AA	A	0.34	0.68	0.2874	1.0000	A	0.37	1.18	0.5218	1.0000	A	0.36	0.96	0.7108	1.0000	A	0.37	1.16	0.1560	1.0000	A	0.36	1.06	0.4567	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>LBP</i>	rs5741812	20	NC	AA	T	0.12	2.00	0.2437	1.0000	T	0.11	1.14	0.7149	1.0000	T	0.14	0.56	0.1587	1.0000	T	0.12	0.72	0.0395	0.7110	T	0.12	0.79	0.0728	1.0000
<i>LBP</i>	rs2232571	20	NC	AA	C	0.19	1.50	0.3695	1.0000	C	0.17	1.75	0.1149	1.0000						C	0.17	0.83	0.1526	1.0000	C	0.18	0.94	0.6081	1.0000
<i>LBP</i>	rs2232580	20	CNS	AA	T	0.08	7.00	0.0245	0.5137	T	0.06	1.38	0.4904	1.0000	T	0.09	0.81	0.3642	1.0000						T	0.08	1.02	0.9223	1.0000
<i>LBP</i>	rs1609800	20	NC	AA	T	0.43	0.93	0.8527	1.0000	T	0.43	0.80	0.3773	1.0000	T	0.45	1.03	0.7761	1.0000	T	0.44	1.15	0.1675	1.0000	T	0.44	1.06	0.3897	1.0000
<i>LBP</i>	rs6014804	20	NC	AA	G	0.16	3.00	0.0408	0.8560	G	0.13	1.73	0.1417	1.0000	G	0.13	0.90	0.5269	1.0000	G	0.14	0.79	0.1082	1.0000	G	0.14	0.93	0.4734	1.0000
<i>LBP</i>	rs11536949	20	NC	AA	T	0.08	1.67	0.3147	1.0000	T	0.10	2.40	0.0848	1.0000	T	0.07	0.68	0.1009	1.0000	T	0.09	1.12	0.5223	1.0000	T	0.09	1.04	0.7780	1.0000
<i>LBP</i>	rs12624843	20	NC	AA	A	0.38	1.11	0.7455	1.0000	A	0.41	0.74	0.2483	1.0000	A	0.40	0.91	0.4634	1.0000	A	0.40	1.10	0.3518	1.0000	A	0.40	1.00	0.9698	1.0000
<i>LBP</i>	rs1780627	20	NC	AA	A	0.44	0.73	0.4319	1.0000	A	0.43	0.79	0.3616	1.0000	A	0.41	1.04	0.7237	1.0000	A	0.45	1.06	0.5534	1.0000	A	0.44	1.02	0.8089	1.0000
<i>LBP</i>	rs11536988	20	NC	AA	T	0.04	2.00	0.5599	1.0000	T	0.05	1.20	0.7629	1.0000	T	0.03	1.46	0.2240	1.0000						T	0.04	1.42	0.1864	1.0000
<i>LBP</i>	rs2232618	20	CNS	AA	G	0.10	0.83	0.7629	1.0000	G	0.09	3.25	0.0251	0.5271	G	0.07	1.11	0.6546	1.0000	G	0.09	0.75	0.1096	1.0000	G	0.09	0.95	0.7016	1.0000
<i>LBP</i>	rs745144	20	NC	AA	T	0.41	0.47	0.0845	1.0000	T	0.42	0.63	0.0741	1.0000	T	0.39	0.96	0.7189	1.0000	T	0.41	1.03	0.7758	1.0000	T	0.41	0.94	0.4081	1.0000
<i>MYD88</i>	rs156265	3	CNS	AA	C	0.15	0.78	0.6166	1.0000	C	0.13	1.62	0.1681	1.0000	C	0.16	1.13	0.4372	1.0000	C	0.15	0.80	0.1168	1.0000	C	0.15	0.97	0.7688	1.0000
<i>MYD88</i>	rs2239621	3	NC	AA	T	0.25	1.58	0.2067	1.0000	T	0.27	1.13	0.6681	1.0000	T	0.25	0.96	0.7773	1.0000	T	0.26	1.16	0.1845	1.0000	T	0.26	1.11	0.2274	1.0000
<i>MYD88</i>	rs7625290	3	NC	AA	C	0.04	1.50	0.5257	1.0000	C	0.05	1.67	0.4772	1.0000	C	0.04	0.77	0.4223	1.0000	C	0.05	1.09	0.7158	1.0000	C	0.05	1.03	0.8499	1.0000
<i>MYD88</i>	rs6853	3	NC	AA	G	0.11	1.86	0.1764	1.0000	G	0.12	1.11	0.8185	1.0000	G	0.11	0.97	0.8563	1.0000	G	0.12	1.13	0.4103	1.0000	G	0.12	1.10	0.3854	1.0000
<i>MYD88</i>	rs6796045	3	NC	AA	A	0.07	2.00	0.2437	1.0000	A	0.07	0.71	0.5628	1.0000	A	0.07	1.00	1.0000	1.0000	A	0.07	1.11	0.5938	1.0000	A	0.07	1.07	0.6074	1.0000
<i>NFKB1</i>	rs747559	4	NC	AA	G	0.38	0.88	0.7149	1.0000	G	0.39	0.78	0.3859	1.0000	G	0.39	0.96	0.7189	1.0000	G	0.40	0.83	0.0711	1.0000	G	0.39	0.87	0.0698	1.0000
<i>NFKB1</i>	rs3774932	4	NC	AA	A	0.47	1.00	1.0000	1.0000	G	0.54	0.72	0.2239	1.0000	A	0.45	1.06	0.6337	1.0000	A	0.45	1.15	0.1657	1.0000	A	0.46	1.12	0.1078	1.0000
<i>NFKB1</i>	rs3774934	4	NC	AA	A	0.10	0.63	0.4033	1.0000	A	0.11	1.80	0.2817	1.0000	A	0.09	1.37	0.0848	1.0000	A	0.10	1.16	0.4058	1.0000	A	0.10	1.23	0.0778	1.0000
<i>NFKB1</i>	rs1598857	4	NC	AA	T	0.38	0.88	0.7149	1.0000	T	0.38	0.78	0.3859	1.0000	T	0.39	0.93	0.5457	1.0000	T	0.39	0.84	0.0846	1.0000	T	0.39	0.87	0.0565	1.0000
<i>NFKB1</i>	rs1598856	4	NC	AA	T	0.47	1.00	1.0000	1.0000	T	0.46	1.38	0.2323	1.0000	T	0.45	1.07	0.5926	1.0000	T	0.45	1.16	0.1389	1.0000	T	0.45	1.13	0.0876	1.0000
<i>NFKB1</i>	rs230533	4	NC	AA	A	0.33	1.17	0.6947	1.0000	A	0.33	0.79	0.4453	1.0000	A	0.32	0.99	0.9503	1.0000	A	0.34	0.77	0.0131	0.3533	A	0.33	0.86	0.0518	1.0000
<i>NFKB1</i>	rs4647992	4	NC	AA	T	0.04	0.25	0.1650	1.0000	T	0.05	1.20	0.7629	1.0000	T	0.07	0.82	0.4456	1.0000	T	0.04	1.16	0.5651	1.0000	T	0.05	0.95	0.7583	1.0000
<i>NFKB1</i>	rs4648004	4	NC	AA	C	0.36	1.29	0.4789	1.0000	C	0.34	1.17	0.5285	1.0000	C	0.35	0.99	0.9524	1.0000	C	0.34	1.12	0.3008	1.0000	C	0.34	1.08	0.3109	1.0000
<i>NFKB1</i>	rs230510	4	NC	AA	A	0.46	1.06	0.8658	1.0000	A	0.45	1.31	0.3010	1.0000	A	0.44	1.13	0.3153	1.0000	A	0.44	1.17	0.1208	1.0000	A	0.45	1.16	0.0415	1.0000
<i>NFKB1</i>	rs4648022	4	NC	AA	A	0.08	1.40	0.5628	1.0000	A	0.08	0.89	0.8083	1.0000	A	0.08	0.98	0.9223	1.0000	A	0.09	1.23	0.2692	1.0000	A	0.08	1.10	0.4510	1.0000
<i>NFKB1</i>	rs230542	4	NC	AA	T	0.34	1.23	0.5771	1.0000	T	0.34	0.74	0.3063	1.0000	T	0.33	0.96	0.7647	1.0000	T	0.35	0.80	0.0306	0.8274	T	0.34	0.87	0.0613	1.0000
<i>NFKB1</i>	rs1598859	4	NC	AA	C	0.35	1.07	0.8575	1.0000	C	0.35	0.78	0.3859	1.0000	C	0.34	0.93	0.5528	1.0000	C	0.37	0.81	0.0469	1.0000	C	0.36	0.86	0.0493	1.0000
<i>NFKB1</i>	rs11722146	4	NC	AA	A	0.29	0.80	0.5633	1.0000	A	0.30	0.60	0.0816	1.0000	A	0.29	0.97	0.8033	1.0000	A	0.31	0.82	0.0619	1.0000	A	0.30	0.85	0.0393	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
NFKB1	rs4648090	4	NC	AA	A	0.14	2.67	0.0299	0.8100	A	0.12	1.08	0.8415	1.0000	A	0.13	0.97	0.8728	1.0000	A	0.13	1.06	0.6869	1.0000	A	0.13	1.08	0.4606	1.0000
NFKB1	rs4648110	4	NC	AA	T	0.21	1.80	0.1279	1.0000	T	0.19	1.00	1.0000	1.0000	T	0.20	1.00	1.0000	1.0000	T	0.20	1.04	0.7309	1.0000	T	0.20	1.05	0.5598	1.0000
NFKB1	rs230547	4	NC	AA	A	0.09	0.57	0.3627	1.0000	A	0.11	2.00	0.2437	1.0000	A	0.10	1.34	0.1287	1.0000	A	0.09	1.04	0.8370	1.0000	A	0.10	1.16	0.2299	1.0000
NFKB1	rs997476	4	NC	AA	A	0.06	0.83	0.7629	1.0000	A	0.06	1.09	0.8348	1.0000	A	0.07	0.98	0.9136	1.0000	A	0.06	0.93	0.7165	1.0000	A	0.06	0.96	0.7586	1.0000
NFKB2	rs7076748	10	NC	AA	G	0.27	2.00	0.0803	0.4820	G	0.27	1.32	0.3262	1.0000	G	0.27	1.10	0.4225	1.0000	G	0.28	1.07	0.5738	1.0000	G	0.27	1.13	0.1275	0.7650
NFKB2	rs7897947	10	NC	AA	G	0.21	1.75	0.1980	1.0000	G	0.22	1.26	0.4453	1.0000	G	0.22	1.19	0.2004	1.0000	G	0.21	1.00	0.9650	1.0000	G	0.21	1.12	0.1899	1.0000
NFKB2	rs1056890	10	NC	AA	T	0.34	0.63	0.2372	1.0000	T	0.32	0.84	0.5551	1.0000	T	0.29	1.08	0.5502	1.0000	T	0.33	1.19	0.1141	0.6846	T	0.32	1.09	0.2633	1.0000
NFKBIA	rs7152826	14	NC	AA	C	0.38	1.63	0.1210	1.0000	C	0.41	1.48	0.1439	1.0000	C	0.39	1.00	1.0000	1.0000	C	0.39	1.09	0.3966	1.0000	C	0.39	1.10	0.1777	1.0000
NFKBIA	rs3138056	14	NC	AA	A	0.32	0.94	0.8618	1.0000	A	0.30	0.50	0.0111	0.1991	A	0.30	1.08	0.5466	1.0000	A	0.31	0.90	0.3581	1.0000	A	0.31	0.92	0.2744	1.0000
NFKBIA	rs3138055	14	NC	AA	C	0.25	1.36	0.4319	1.0000	C	0.29	1.35	0.2754	1.0000	C	0.26	0.91	0.4207	1.0000	C	0.28	1.17	0.1683	1.0000	C	0.27	1.07	0.3635	1.0000
NFKBIA	rs696	14	NC	AA	T	0.41	1.06	0.8658	1.0000	T	0.38	1.21	0.4529	1.0000	T	0.45	1.10	0.4156	1.0000	T	0.37	0.92	0.4497	1.0000	T	0.39	1.02	0.8120	1.0000
NFKBIA	rs2233419	14	NC	AA	A	0.18	1.09	0.8348	1.0000	A	0.18	0.45	0.0124	0.2234	A	0.14	0.97	0.8597	1.0000	A	0.19	1.04	0.7815	1.0000	A	0.18	0.94	0.5436	1.0000
NFKBIA	rs10782383	14	CS	AA	T	0.22	0.74	0.3832	1.0000	T	0.20	0.50	0.0240	0.4315	T	0.19	1.11	0.4936	1.0000	T	0.22	0.99	0.9213	1.0000	T	0.21	0.95	0.5823	1.0000
NFKBIA	rs1957106	14	CS	AA	A	0.30	0.94	0.8575	1.0000						A	0.32	0.96	0.7638	1.0000	A	0.30	0.99	0.9508	1.0000	A	0.31	0.98	0.7776	1.0000
NFKBIA	rs2233407	14	NC	AA	T	0.05	2.00	0.3127	1.0000	T	0.05	1.80	0.2817	1.0000	T	0.02	1.57	0.3438	1.0000	T	0.06	0.90	0.6382	1.0000	T	0.05	1.12	0.5406	1.0000
NFKBIA	rs3138052	14	NC	AA	G	0.28	0.82	0.5897	1.0000	G	0.25	0.48	0.0141	0.2543											G	0.27	0.60	0.0246	0.4424
NFKBIA	rs3138045	14	NC	AA	G	0.21	0.53	0.1412	1.0000	G	0.19	0.61	0.1370	1.0000	G	0.16	1.26	0.1217	1.0000	G	0.20	0.96	0.7205	1.0000	G	0.19	1.00	0.9755	1.0000
NFKBIB	rs7251489	19	NC	AA	T	0.08	0.80	0.7386	1.0000	T	0.07	1.13	0.8083	1.0000	T	0.07	0.92	0.7254	1.0000	T	0.07	0.99	0.9446	1.0000	T	0.07	0.96	0.7916	1.0000
NFKBIB	rs10410544	19	NC	AA	A	0.42	0.60	0.1119	1.0000	G	0.56	0.56	0.0235	0.4230	A	0.43	0.98	0.8632	1.0000	A	0.48	0.84	0.0768	1.0000	A	0.45	0.93	0.2901	1.0000
NFKBIB	rs4802998	19	NC	AA	G	0.36	0.67	0.2044	1.0000	G	0.38	2.00	0.0091	0.1644	G	0.35	0.94	0.6224	1.0000	G	0.41	0.82	0.0483	0.8703	G	0.39	0.91	0.2072	1.0000
NFKBIB	rs2053071	19	NC	AA	G	0.39	1.11	0.7455	1.0000	G	0.38	0.46	0.0041	0.0730	G	0.40	0.98	0.8575	1.0000	G	0.35	1.22	0.0592	1.0000	G	0.37	1.04	0.6348	1.0000
NFKBIB	rs4803006	19	NC	AA	T	0.36	0.58	0.1027	1.0000	T	0.38	1.90	0.0172	0.3089	T	0.36	0.83	0.1269	1.0000	T	0.40	0.78	0.0178	0.3206	T	0.38	0.84	0.0208	0.3749
NFKBIB	rs2241704	19	NC	AA	T	0.22	0.93	0.8474	1.0000	T	0.22	0.59	0.0672	1.0000	T	0.25	0.98	0.8881	1.0000	T	0.21	1.32	0.0270	0.4867	T	0.22	1.08	0.3992	1.0000
NFKBIB	rs3136641	19	NC	AA	A	0.25	2.11	0.0560	1.0000	A	0.24	1.21	0.5368	1.0000	A	0.24	1.18	0.2222	1.0000	A	0.24	1.06	0.6377	1.0000	A	0.24	1.15	0.0936	1.0000
NFKBIB	rs3136646	19	NC	AA	T	0.23	0.81	0.5771	1.0000	T	0.24	0.76	0.3650	1.0000	T	0.24	0.98	0.8864	1.0000	T	0.22	1.37	0.0104	0.1881	T	0.23	1.12	0.1821	1.0000
NFKBIB	rs9403	19	NC	AA	G	0.38	1.60	0.1477	1.0000	G	0.35	0.58	0.0617	1.0000	G	0.36	1.10	0.4244	1.0000	G	0.33	0.95	0.6237	1.0000	G	0.35	1.00	0.9933	1.0000
NFKBIE	rs13296	6	CS	AA	T	0.33	1.29	0.4227	1.0000	T	0.31	0.95	0.8788	1.0000	T	0.27	0.89	0.3454	1.0000	T	0.31	0.89	0.2724	1.0000	T	0.31	0.91	0.2307	1.0000
NFKBIE	rs1875324	6	CS	AA											T	0.23	0.90	0.4398	1.0000						T	0.23	0.90	0.4398	1.0000
NFKBIE	rs520639	6	NC	AA	A	0.13	1.57	0.3438	1.0000	A	0.14	0.85	0.6829	1.0000	A	0.13	1.06	0.7296	1.0000	A	0.12	1.45	0.0178	0.1990	A	0.13	1.24	0.0489	0.5483

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>NFKBIE</i>	rs2282151	6	NC	AA	G	0.21	0.53	0.1412	1.0000	G	0.21	0.87	0.6472	1.0000	G	0.25	0.96	0.7815	1.0000	G	0.23	0.94	0.6212	1.0000	G	0.22	0.92	0.3423	1.0000
<i>NFKBIE</i>	rs730775	6	NC	AA	G	0.42	0.83	0.6013	1.0000	A	0.59	0.39	0.0008	0.0084	G	0.43	0.94	0.5952	1.0000	G	0.42	1.08	0.4346	1.0000	G	0.42	1.08	0.3048	1.0000
<i>NFKBIE</i>	rs483536	6	NC	AA	A	0.33	1.90	0.0920	1.0000	A	0.38	0.49	0.0045	0.0504	A	0.32	0.94	0.6337	1.0000	A	0.36	0.89	0.2592	1.0000	A	0.35	0.89	0.1099	1.0000
<i>TICAM1</i>	rs1046673	19	NC	AA	A	0.14	1.14	0.7962	1.0000	A	0.13	1.36	0.4319	1.0000	A	0.17	0.97	0.8290	1.0000	A	0.15	1.13	0.3900	1.0000	A	0.15	1.07	0.4995	1.0000
<i>TICAM1</i>	rs2292151	19	CS	AA	A	0.23	1.39	0.3681	1.0000	A	0.26	0.58	0.0617	0.4976	A	0.24	1.24	0.1066	0.8460	A	0.24	1.11	0.3608	1.0000	A	0.24	1.11	0.1944	1.0000
<i>TICAM1</i>	rs4807651	19	NC	AA	G	0.37	0.89	0.7388	1.0000	G	0.40	0.75	0.2842	1.0000	G	0.37	0.91	0.4634	1.0000	G	0.38	1.02	0.8342	1.0000	G	0.38	0.95	0.5062	1.0000
<i>TICAM1</i>	rs4807000	19	NC	AA	A	0.38	1.36	0.3832	1.0000	A	0.39	1.03	0.9013	1.0000	A	0.40	1.16	0.2147	1.0000	A	0.40	0.86	0.1607	1.0000	A	0.39	1.00	0.9982	1.0000
<i>TIRAP</i>	rs594318	11	NC	AA						C	0.23	1.50	0.2717	1.0000											C	0.23	1.50	0.2717	1.0000
<i>TIRAP</i>	rs591163	11	NC	AA	T	0.23	0.73	0.4319	1.0000	T	0.22	0.86	0.5860	1.0000	T	0.28	1.02	0.8989	1.0000	T	0.23	0.83	0.1238	1.0000	T	0.23	0.90	0.1968	1.0000
<i>TIRAP</i>	rs672908	11	NC	AA	G	0.23	0.73	0.4319	1.0000	G	0.22	0.83	0.4919	1.0000	G	0.28	1.03	0.7979	1.0000	G	0.23	0.84	0.1409	1.0000	G	0.23	0.91	0.2260	1.0000
<i>TIRAP</i>	rs671492	11	NC	AA	T	0.25	1.50	0.3157	1.0000	T	0.26	1.30	0.3757	1.0000	T	0.21	0.77	0.0866	1.0000	T	0.24	0.99	0.9237	1.0000	T	0.24	0.95	0.5546	1.0000
<i>TIRAP</i>	rs10893493	11	NC	AA	G	0.12	1.00	1.0000	1.0000	G	0.11	0.38	0.0550	1.0000	G	0.10	0.98	0.9165	1.0000	G	0.12	1.08	0.6092	1.0000	G	0.12	0.98	0.8875	1.0000
<i>TIRAP</i>	rs8177352	11	NC	AA	C	0.20	1.36	0.4319	1.0000	C	0.19	0.93	0.8527	1.0000	C	0.24	1.18	0.2180	1.0000	C	0.20	1.11	0.4031	1.0000	C	0.20	1.14	0.1331	1.0000
<i>TIRAP</i>	rs595022	11	NC	AA	A	0.24	0.56	0.1587	1.0000	A	0.26	1.15	0.6472	1.0000	A	0.22	1.04	0.7728	1.0000	A	0.27	1.06	0.6269	1.0000	A	0.25	1.03	0.7214	1.0000
<i>TIRAP</i>	rs646005	11	NC	AA	G	0.39	0.95	0.8694	1.0000	G	0.38	0.91	0.7008	1.0000	A	0.52	0.91	0.4379	1.0000	G	0.40	0.92	0.4177	1.0000	G	0.40	0.98	0.8071	1.0000
<i>TIRAP</i>	rs1392060	11	NC	AA	C	0.12	1.00	1.0000	1.0000	C	0.11	1.00	1.0000	1.0000	C	0.10	0.98	0.9165	1.0000	C	0.13	1.08	0.6227	1.0000	C	0.12	1.04	0.7578	1.0000
<i>TIRAP</i>	rs1893352	11	NC	AA	C	0.15	1.11	0.8185	1.0000	C	0.16	1.08	0.8415	1.0000	C	0.20	1.16	0.3226	1.0000	C	0.17	1.13	0.3649	1.0000	C	0.17	1.14	0.1737	1.0000
<i>TIRAP</i>	rs8177371	11	NC	AA	T	0.12	1.20	0.6696	1.0000	T	0.11	1.00	1.0000	1.0000	T	0.10	0.96	0.8399	1.0000						T	0.11	1.00	1.0000	1.0000
<i>TIRAP</i>	rs12272651	11	NC	AA	G	0.05	2.00	0.4097	1.0000	G	0.04	0.83	0.7629	1.0000	G	0.05	1.17	0.5284	1.0000	G	0.03	0.96	0.8955	1.0000	G	0.04	1.08	0.6499	1.0000
<i>TLR1</i>	rs4543123	4	NC	AA	G	0.21	1.00	1.0000	1.0000	G	0.24	0.88	0.6546	1.0000	G	0.20	0.93	0.6047	1.0000	G	0.21	0.74	0.0156	0.1405	G	0.21	0.82	0.0308	0.2775
<i>TLR1</i>	rs4833095	4	CNS	AA	G	0.23	1.17	0.6947	1.0000	G	0.26	0.96	0.8840	1.0000	G	0.21	0.96	0.7681	1.0000	G	0.22	0.74	0.0175	0.1574	G	0.22	0.85	0.0691	0.6214
<i>TLR1</i>	rs5743611	4	CNS	AA	C	0.11	0.75	0.5923	1.0000	C	0.12	0.56	0.1587	1.0000	C	0.08	0.95	0.8292	1.0000	C	0.09	1.13	0.5115	1.0000	C	0.10	0.97	0.7998	1.0000
<i>TLR1</i>	rs5743594	4	NC	AA	T	0.20	1.88	0.1412	1.0000	T	0.18	1.60	0.1477	1.0000	T	0.22	1.06	0.7116	1.0000	T	0.21	1.08	0.5458	1.0000	T	0.20	1.13	0.1724	1.0000
<i>TLR1</i>	rs5743562	4	NC	AA	C	0.16	1.09	0.8348	1.0000	C	0.19	0.76	0.4104	1.0000	C	0.15	0.89	0.4636	1.0000	C	0.17	0.89	0.3978	1.0000	C	0.17	0.89	0.2183	1.0000
<i>TLR1</i>	rs5743551	4	NC	AA	C	0.23	1.27	0.5480	1.0000	C	0.25	1.04	0.8815	1.0000	C	0.21	0.92	0.5594	1.0000	C	0.22	0.74	0.0153	0.1375	C	0.23	0.85	0.0578	0.5198
<i>TLR1</i>	rs4833103	4	NC	AA	T	0.52	0.57	0.1149	1.0000	G	0.48	1.22	0.4382	1.0000	G	0.47	1.03	0.8185	1.0000	G	0.46	0.86	0.1388	1.0000	G	0.47	0.97	0.7161	1.0000
<i>TLR10</i>	rs10008492	4	NC	AA	T	0.38	0.84	0.6119	1.0000	T	0.40	0.59	0.0496	0.3944	T	0.33	0.97	0.8055	1.0000	T	0.34	0.90	0.3216	1.0000	T	0.36	0.89	0.1274	0.9797
<i>TLR10</i>	rs10776483	4	CS	AA	C	0.19	0.60	0.2182	1.0000	C	0.20	0.56	0.0762	0.6058	C	0.17	0.98	0.8802	1.0000	C	0.19	0.84	0.1788	1.0000	C	0.19	0.85	0.0687	0.5284
<i>TLR10</i>	rs11096957	4	CNS	AA	G	0.34	0.71	0.3162	1.0000	G	0.37	0.54	0.0233	0.1851	G	0.29	0.91	0.4784	1.0000	G	0.32	0.84	0.1067	0.7909	G	0.33	0.83	0.0140	0.1074

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
TLR10	rs10856838	4	CS	AA	T	0.18	0.60	0.2182	1.0000	T	0.18	0.48	0.0375	0.2982	T	0.14	0.92	0.6094	1.0000	T	0.15	0.85	0.2440	1.0000	T	0.16	0.81	0.0416	0.3202
TLR10	rs4130727	4	NC	AA	C	0.14	1.00	1.0000	1.0000	C	0.16	0.60	0.1551	1.0000	C	0.12	0.84	0.3442	1.0000	C	0.12	0.88	0.4258	1.0000	C	0.13	0.84	0.1169	0.8989
TLR10	rs10004195	4	NC	AA	T	0.22	1.08	0.8415	1.0000	T	0.24	1.00	1.0000	1.0000	T	0.20	0.92	0.5530	1.0000	T	0.21	0.75	0.0204	0.1515	T	0.22	0.84	0.0500	0.3846
TLR2	rs13150331	4	NC	AA	G	0.43	0.55	0.0840	1.0000	G	0.43	1.11	0.6910	1.0000	G	0.43	0.96	0.7246	1.0000	G	0.40	0.96	0.6836	1.0000	G	0.42	0.95	0.4472	1.0000
TLR2	rs1898830	4	NC	AA	G	0.36	0.70	0.3022	1.0000	G	0.36	1.00	1.0000	1.0000	G	0.33	0.94	0.5939	1.0000	G	0.32	0.94	0.6014	1.0000	G	0.34	0.93	0.3588	1.0000
TLR2	rs4696483	4	NC	AA	T	0.13	1.29	0.6166	1.0000	T	0.13	0.92	0.8415	1.0000	T	0.11	1.26	0.2203	1.0000	T	0.13	1.11	0.5023	1.0000	T	0.12	1.15	0.2043	1.0000
TLR2	rs3804100	4	CS	AA	G	0.07	1.67	0.4772	1.0000	G	0.08	1.30	0.5310	1.0000	G	0.05	1.65	0.0866	1.0000	G	0.07	1.14	0.5163	1.0000	G	0.07	1.30	0.0792	0.9503
TLR2	rs5743704	4	CNS	AA	T	0.04	*	0.0959	1.0000	T	0.04	1.50	0.5257	1.0000	T	0.04	0.86	0.5467	1.0000	T	0.04	0.89	0.6484	1.0000	T	0.04	0.94	0.7024	1.0000
TLR2	rs7656411	4	NC	AA	C	0.24	1.36	0.4319	1.0000	C	0.25	1.08	0.7815	1.0000	C	0.28	0.97	0.8097	1.0000	C	0.27	1.01	0.9091	1.0000	C	0.26	1.01	0.8764	1.0000
TLR2	rs1339	4	CNS	AA	G	0.20	0.80	0.6370	1.0000	G	0.20	0.78	0.3859	1.0000	G	0.22	1.08	0.5734	1.0000	G	0.22	0.94	0.5724	1.0000	G	0.21	0.97	0.6860	1.0000
TLR2	rs2289318	4	NC	AA	C	0.22	1.00	1.0000	1.0000	C	0.20	1.17	0.6308	1.0000	C	0.18	1.00	1.0000	1.0000	C	0.20	1.10	0.4439	1.0000	C	0.20	1.07	0.4894	1.0000
TLR3	rs956239	4	NC	AA	A	0.16	0.70	0.4657	1.0000	A	0.18	1.22	0.5267	1.0000	A	0.19	1.28	0.0950	1.0000	A	0.16	0.74	0.0239	0.4295	A	0.17	0.96	0.6671	1.0000
TLR3	rs6822014	4	NC	AA	C	0.21	1.38	0.4904	1.0000	C	0.20	0.81	0.5160	1.0000	C	0.19	0.90	0.4398	1.0000	C	0.20	1.15	0.3037	1.0000	C	0.20	1.01	0.8709	1.0000
TLR3	rs11721827	4	NC	AA	G	0.15	1.11	0.8185	1.0000	G	0.14	1.29	0.4227	1.0000	G	0.13	1.08	0.6714	1.0000	G	0.16	0.99	0.9183	1.0000	G	0.15	1.05	0.6383	1.0000
TLR3	rs3775296	4	NC	AA	T	0.20	1.38	0.4904	1.0000	T	0.19	1.06	0.8694	1.0000	T	0.19	0.91	0.5254	1.0000	T	0.19	1.12	0.4072	1.0000	T	0.19	1.03	0.7314	1.0000
TLR3	rs3775291	4	CNS	AA	T	0.30	1.15	0.7053	1.0000	T	0.32	0.93	0.7855	1.0000	T	0.29	0.94	0.6197	1.0000	T	0.29	0.79	0.0293	0.5279	T	0.30	0.87	0.0670	1.0000
TLR3	rs10025405	4	NC	AA	A	0.55	0.67	0.2717	1.0000	G	0.44	1.00	1.0000	1.0000	G	0.41	1.09	0.4809	1.0000	G	0.44	0.97	0.7417	1.0000	G	0.43	1.03	0.6765	1.0000
TLR3	rs4862633	4	NC	AA	A	0.23	0.59	0.1755	1.0000	A	0.23	1.33	0.3972	1.0000	A	0.26	1.04	0.7494	1.0000	A	0.24	1.32	0.0187	0.3375	A	0.24	1.16	0.0794	1.0000
TLR3	rs4608848	4	NC	AA	C	0.38	0.83	0.5368	1.0000	C	0.36	1.19	0.5075	1.0000	C	0.36	1.08	0.5457	1.0000	C	0.39	1.23	0.0484	0.8708	C	0.37	1.14	0.0721	1.0000
TLR3	rs1519309	4	NC	AA	G	0.34	0.57	0.1149	1.0000	G	0.35	1.15	0.5928	1.0000	G	0.37	0.98	0.8613	1.0000	G	0.35	1.41	0.0012	0.0220	G	0.35	1.15	0.0517	0.9315
TLR4	rs10759930	9	NC	AA	T	0.42	0.94	0.8618	1.0000	T	0.40	0.82	0.4457	1.0000	T	0.37	1.09	0.4873	1.0000	T	0.38	0.88	0.2113	1.0000	T	0.39	0.95	0.4506	1.0000
TLR4	rs2737191	9	NC	AA	G	0.26	1.54	0.2550	1.0000	G	0.27	0.96	0.8886	1.0000	G	0.26	0.87	0.3082	1.0000	G	0.28	1.01	0.8981	1.0000	G	0.27	0.97	0.7528	1.0000
TLR4	rs2770150	9	NC	AA	G	0.26	1.54	0.2550	1.0000	G	0.27	0.96	0.8886	1.0000	G	0.26	1.32	0.3648	1.0000	G	0.28	1.01	0.8931	1.0000	G	0.27	1.06	0.5206	1.0000
TLR4	rs1927914	9	NC	AA	C	0.32	0.71	0.3520	1.0000	C	0.33	1.26	0.3696	1.0000	C	0.37	1.02	0.8521	1.0000	C	0.34	1.14	0.2293	1.0000	C	0.34	1.08	0.3011	1.0000
TLR4	rs1927911	9	NC	AA	A	0.24	0.54	0.1764	1.0000	A	0.26	1.25	0.4137	1.0000	A	0.27	1.07	0.6330	1.0000	A	0.26	1.26	0.0466	1.0000	A	0.26	1.15	0.0896	1.0000
TLR4	rs11536878	9	NC	AA	T	0.11	0.56	0.2817	1.0000	T	0.13	1.54	0.2550	1.0000	T	0.11	1.08	0.6976	1.0000	T	0.12	1.24	0.1763	1.0000	T	0.12	1.16	0.1899	1.0000
TLR4	rs1927907	9	NC	AA	T	0.14	0.60	0.4772	1.0000	T	0.13	0.93	0.8474	1.0000	T	0.15	0.93	0.6714	1.0000	T	0.14	1.20	0.2202	1.0000	T	0.14	1.05	0.6584	1.0000
TLR4	rs11536889	9	NC	AA	C	0.15	0.67	0.4370	1.0000	C	0.16	0.95	0.8694	1.0000	C	0.17	1.01	0.9397	1.0000	C	0.14	0.77	0.0631	1.0000	C	0.15	0.87	0.1566	1.0000
TLR4	rs7873784	9	NC	AA	C	0.15	0.55	0.2218	1.0000	C	0.16	1.19	0.6119	1.0000	C	0.16	1.01	0.9334	1.0000	C	0.16	1.38	0.0264	0.7163	C	0.16	1.17	0.1289	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>TLR4</i>	rs11536897	9	NC	AA	T	0.04	*	0.0414	1.0000	T	0.05	0.80	0.6370	1.0000	T	0.07	1.03	0.9042	1.0000	T	0.05	1.44	0.0974	1.0000	T	0.05	1.14	0.4016	1.0000
<i>TLR4</i>	rs1927906	9	NC	AA	C	0.09	1.00	1.0000	1.0000	C	0.08	1.22	0.6545	1.0000	C	0.13	0.92	0.6409	1.0000	C	0.10	1.00	0.9827	1.0000	C	0.10	0.98	0.8686	1.0000
<i>TLR4</i>	rs1554973	9	NC	AA	C	0.25	0.72	0.3681	1.0000	C	0.24	1.26	0.4049	1.0000	C	0.29	0.96	0.7366	1.0000	C	0.26	1.23	0.0790	1.0000	C	0.26	1.09	0.2917	1.0000
<i>TLR4</i>	rs913930	9	NC	AA	C	0.33	1.46	0.2874	1.0000	C	0.35	0.97	0.8946	1.0000	C	0.34	0.94	0.6142	1.0000	C	0.36	0.93	0.5239	1.0000	C	0.34	0.96	0.5692	1.0000
<i>TLR4</i>	rs1927905	9	NC	AA	G	0.04	*	0.0414	1.0000	G	0.06	0.90	0.8185	1.0000	G	0.08	1.03	0.9055	1.0000	G	0.06	1.43	0.1025	1.0000	G	0.06	1.15	0.3693	1.0000
<i>TLR4</i>	rs7045953	9	NC	AA	C	0.16	0.55	0.2218	1.0000	C	0.16	1.25	0.5045	1.0000	C	0.16	0.99	0.9338	1.0000	C	0.16	1.35	0.0367	0.9979	C	0.16	1.15	0.1691	1.0000
<i>TLR5</i>	rs2241096	1	NC	AA	A	0.10	1.00	1.0000	1.0000	A	0.11	1.88	0.1412	1.0000	A	0.09	1.35	0.1512	1.0000	A	0.10	1.27	0.1591	1.0000	A	0.10	1.32	0.0226	0.2031
<i>TLR5</i>	rs2096141	1	NC	AA	T	0.47	0.80	0.5633	1.0000	T	0.49	0.97	0.9028	1.0000	T	0.48	0.92	0.4721	1.0000	T	0.47	0.94	0.5707	1.0000	T	0.48	0.93	0.3220	1.0000
<i>TLR5</i>	rs5744105	1	NC	AA	G	0.48	1.00	1.0000	1.0000	G	0.51	0.97	0.9013	1.0000	C	0.50	1.01	0.9129	1.0000	G	0.49	0.92	0.4291	1.0000	G	0.49	0.96	0.5153	1.0000
<i>TLR5</i>	rs5744097	1	NC	AA	A	0.04	1.50	0.5257	1.0000	A	0.04	0.50	0.4097	1.0000	A	0.03	0.68	0.2869	1.0000	A	0.04	1.01	0.9539	1.0000	A	0.04	0.90	0.5865	1.0000
<i>TLR6</i>	rs7696175	4	NC	AA	A	0.43	0.89	0.7315	1.0000	A	0.42	0.97	0.8981	1.0000	A	0.45	0.98	0.8627	1.0000	A	0.45	1.18	0.1094	0.9846	A	0.44	1.07	0.3622	1.0000
<i>TLR6</i>	rs5743810	4	CNS	AA	T	0.41	0.71	0.3520	1.0000	T	0.40	0.88	0.6546	1.0000						T	0.44	1.16	0.1496	1.0000	T	0.43	1.09	0.3484	1.0000
<i>TLR6</i>	rs1039559	4	NC	AA	C	0.47	0.89	0.7388	1.0000	C	0.45	1.07	0.7928	1.0000	T	0.50	0.85	0.5713	1.0000	C	0.49	1.11	0.3150	1.0000	C	0.48	1.09	0.3021	1.0000
<i>TLR6</i>	rs5743806	4	NC	AA	G	0.34	1.06	0.8618	1.0000	G	0.33	0.88	0.6681	1.0000	G	0.34	1.21	0.1254	1.0000	G	0.31	1.02	0.8491	1.0000	G	0.32	1.08	0.3106	1.0000
<i>TLR6</i>	rs5743794	4	NC	AA	A	0.17	1.20	0.6696	1.0000	A	0.19	0.95	0.8728	1.0000	A	0.16	0.83	0.2423	1.0000	A	0.17	0.94	0.6352	1.0000	A	0.17	0.91	0.3186	1.0000
<i>TLR6</i>	rs6531670	4	NC	AA	G	0.34	1.06	0.8618	1.0000	G	0.33	0.92	0.7773	1.0000	G	0.34	1.21	0.1254	1.0000	G	0.31	1.01	0.9070	1.0000	G	0.32	1.08	0.3171	1.0000
<i>TLR9</i>	rs352163	3	NC	AA	G	0.46	1.33	0.3972	1.0000	G	0.45	1.00	1.0000	1.0000	G	0.44	1.29	0.0349	0.2651	G	0.48	0.99	0.8991	1.0000	G	0.46	1.10	0.1756	1.0000
<i>TLR9</i>	rs352140	3	CS	AA	T	0.54	0.71	0.3162	1.0000	C	0.45	0.88	0.6113	1.0000	C	0.43	1.24	0.0723	0.5497	C	0.47	1.04	0.7127	1.0000	C	0.46	1.11	0.1563	1.0000
<i>TLR9</i>	rs187084	3	NC	AA	G	0.41	0.62	0.1681	1.0000	G	0.41	1.19	0.5148	1.0000	G	0.42	0.77	0.0329	0.2501	G	0.39	0.99	0.9263	1.0000	G	0.40	0.90	0.1414	1.0000
<i>TLR9</i>	rs352143	3	CS	AA	G	0.20	0.77	0.5310	1.0000	G	0.20	0.94	0.8575	1.0000	G	0.21	0.84	0.2114	1.0000	G	0.21	1.20	0.1336	1.0000	G	0.21	1.01	0.9211	1.0000
<i>TLR9</i>	rs11717574	3	NC	AA	C	0.16	1.25	0.6370	1.0000	C	0.15	1.00	1.0000	1.0000	C	0.15	1.05	0.7562	1.0000	C	0.16	0.98	0.8573	1.0000	C	0.16	1.02	0.8713	1.0000
<i>TOLLIP</i>	rs3750919	11	NC	AA	A	0.25	1.00	1.0000	1.0000	A	0.20	0.77	0.4227	1.0000	A	0.23	1.00	1.0000	1.0000	A	0.23	1.15	0.2348	1.0000	A	0.23	1.05	0.5343	1.0000
<i>TOLLIP</i>	rs5744038	11	NC	AA	C	0.06	1.50	0.6536	1.0000	C	0.07	1.80	0.2817	1.0000	C	0.03	1.69	0.1096	1.0000	C	0.07	1.32	0.1705	1.0000	C	0.06	1.45	0.0223	0.9508
<i>TOLLIP</i>	rs3829223	11	NC	AA						G	0.47	1.19	0.5551	1.0000	G	0.45	1.18	0.1455	1.0000	G	0.48	1.26	0.0214	0.8433	G	0.47	1.22	0.0060	0.2577
<i>TOLLIP</i>	rs3793964	11	NC	AA	A	0.39	0.94	0.8575	1.0000	A	0.34	0.83	0.6013	1.0000	A	0.36	1.08	0.5175	1.0000	A	0.37	1.17	0.1429	1.0000	A	0.37	1.10	0.1924	1.0000
<i>TOLLIP</i>	rs3793966	11	NC	AA											G	0.45	1.16	0.1987	1.0000						G	0.45	1.16	0.1987	1.0000
<i>TOLLIP</i>	rs3750920	11	CS	AA	T	0.42	1.31	0.4645	1.0000	T	0.47	0.72	0.2569	1.0000	C	0.51	0.94	0.6276	1.0000						T	0.46	1.02	0.8312	1.0000
<i>TOLLIP</i>	rs5743961	11	NC	AA	T	0.04	0.33	0.3063	1.0000	T	0.05	0.29	0.0863	1.0000	T	0.05	0.65	0.1285	1.0000	T	0.05	0.70	0.1238	1.0000	T	0.05	0.64	0.0081	0.3437
<i>TOLLIP</i>	rs5743955	11	NC	AA	T	0.05	0.63	0.4033	1.0000	T	0.04	2.33	0.1996	1.0000	T	0.05	0.70	0.1427	1.0000	T	0.05	0.82	0.3952	1.0000	T	0.05	0.80	0.1530	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
TOLLIP	rs5743942	11	NC	AA	C	0.51	0.67	0.2351	1.0000	C	0.53	0.85	0.5635	1.0000	C	0.50	0.91	0.3738	1.0000						C	0.51	0.88	0.1804	1.0000
TOLLIP	rs11042484	11	NC	AA	A	0.09	0.75	0.5923	1.0000	A	0.07	1.33	0.5120	1.0000	A	0.06	0.97	0.9093	1.0000	A	0.08	1.30	0.1782	1.0000	A	0.08	1.14	0.3453	1.0000
TOLLIP	rs5743925	11	NC	AA	C	0.01	*	0.0959	1.0000	C	0.01	1.00	1.0000	1.0000	C	0.02	0.83	0.6694	1.0000	C	0.01	0.65	0.4494	1.0000	C	0.01	0.70	0.2804	1.0000
TOLLIP	rs5743915	11	NC	AA	G	0.59	0.57	0.0934	1.0000	A	0.39	1.00	1.0000	1.0000	A	0.41	0.65	0.1683	1.0000	A	0.42	1.10	0.3627	1.0000	A	0.41	1.08	0.4104	1.0000
TOLLIP	rs5743900	11	NC	AA	G	0.21	1.46	0.3345	1.0000	G	0.17	0.89	0.7388	1.0000	G	0.21	0.93	0.6196	1.0000	G	0.20	1.18	0.2014	1.0000	G	0.20	1.06	0.4762	1.0000
TOLLIP	rs5743899	11	NC	AA	C	0.18	0.63	0.4033	1.0000	C	0.19	1.25	0.5045	1.0000	C	0.15	1.20	0.2763	1.0000	C	0.19	0.95	0.6821	1.0000	C	0.18	1.04	0.7101	1.0000
TOLLIP	rs5743894	11	NC	AA	C	0.16	1.46	0.3345	1.0000	C	0.17	0.96	0.8815	1.0000	C	0.19	1.02	0.8902	1.0000	C	0.18	0.98	0.8896	1.0000	C	0.18	1.02	0.8617	1.0000
TOLLIP	rs5743890	11	NC	AA	C	0.13	1.60	0.4033	1.0000	C	0.17	0.81	0.5771	1.0000	C	0.16	0.98	0.8802	1.0000	C	0.16	0.77	0.0560	1.0000	C	0.16	0.87	0.1477	1.0000
TOLLIP	rs5743867	11	NC	AA	G	0.08	0.50	0.4097	1.0000	G	0.08	0.89	0.8083	1.0000	G	0.07	1.53	0.0673	1.0000	G	0.07	0.80	0.2559	1.0000	G	0.07	1.01	0.9144	1.0000
TOLLIP	rs5743856	11	NC	AA	G	0.03	1.00	1.0000	1.0000	G	0.03	2.00	0.5599	1.0000	G	0.02	1.66	0.1887	1.0000	G	0.03	1.82	0.0485	1.0000	G	0.03	1.71	0.0179	0.7618
TOLLIP	rs5743854	11	NC	AA	G	0.10	0.80	0.7386	1.0000	G	0.11	1.00	1.0000	1.0000	G	0.09	1.60	0.0219	0.8701	G	0.10	1.03	0.8428	1.0000	G	0.10	1.20	0.1378	1.0000
TOLLIP	rs5743851	11	NC	AA	C	0.09	1.33	0.5923	1.0000	C	0.09	0.77	0.5310	1.0000	C	0.13	1.00	1.0000	1.0000	C	0.08	1.06	0.7406	1.0000	C	0.09	1.02	0.8771	1.0000
TRAF6	rs331463	11	NC	AA	T	0.16	0.81	0.5771	1.0000	T	0.17	1.73	0.1417	1.0000	T	0.15	0.90	0.5134	1.0000	T	0.17	1.16	0.2854	1.0000	T	0.16	1.06	0.5470	1.0000
TRAF6	rs3740961	11	NC	AA	C	0.13	1.33	0.5923	1.0000	C	0.14	1.42	0.3520	1.0000	C	0.13	1.20	0.2825	1.0000	C	0.12	1.09	0.5665	1.0000	C	0.12	1.17	0.1474	1.0000
TRAF6	rs5030472	11	NC	AA	T	0.11	1.30	0.5310	1.0000	T	0.12	1.22	0.6545	1.0000	T	0.13	0.95	0.7917	1.0000	T	0.12	1.23	0.1916	1.0000	T	0.12	1.12	0.3129	1.0000
TRAF6	rs4755453	11	NC	AA	C	0.16	0.88	0.7236	1.0000	C	0.17	1.36	0.3832	1.0000	C	0.15	0.94	0.6860	1.0000	C	0.17	1.14	0.3414	1.0000	C	0.17	1.06	0.5715	1.0000
TRAF6	rs5030419	11	NC	AA	C	0.12	0.40	0.1031	1.0000	C	0.13	0.75	0.4489	1.0000	C	0.13	1.10	0.5929	1.0000	C	0.11	0.84	0.2537	1.0000	C	0.12	0.89	0.3037	1.0000
TRAF6	rs5030416	11	NC	AA	C	0.14	0.44	0.1601	1.0000	C	0.13	1.00	1.0000	1.0000	C	0.14	1.01	0.9304	1.0000	C	0.12	0.81	0.1675	1.0000	C	0.13	0.88	0.2330	1.0000
TRAF6	rs5030411	11	NC	AA	G	0.40	0.44	0.0150	0.3142	G	0.40	1.00	1.0000	1.0000	G	0.42	0.87	0.2287	1.0000	G	0.38	0.99	0.9478	1.0000	G	0.39	0.91	0.1789	1.0000
TRAF6	rs5030489	11	NC	AA	G	0.07	0.50	0.2437	1.0000	G	0.07	1.00	1.0000	1.0000	G	0.08	0.75	0.1280	1.0000						G	0.08	0.75	0.0938	1.0000
TRAF6	rs5030403	11	NC	AA	A	0.13	0.93	0.8474	1.0000	A	0.14	1.00	1.0000	1.0000	A	0.13	0.96	0.8032	1.0000	A	0.14	1.38	0.0326	0.6842	A	0.14	1.14	0.2094	1.0000
TRAF6	rs5030488	11	NC	AA	G	0.10	0.45	0.1289	1.0000	G	0.11	1.00	1.0000	1.0000	G	0.13	0.84	0.2643	1.0000	G	0.10	0.94	0.7185	1.0000	G	0.11	0.87	0.1891	1.0000
TRAF6	rs331455	11	NC	AA	G	0.26	0.57	0.0934	1.0000	G	0.27	1.12	0.6802	1.0000	G	0.27	0.86	0.2064	1.0000	G	0.26	1.12	0.3483	1.0000	G	0.27	0.96	0.6448	1.0000
CD14	rs778583	5	NC	AHR	T	0.28	1.13	0.5875	1.0000	T	0.28	1.09	0.7139	1.0000	T	0.25	0.99	0.9459	1.0000	T	0.28	0.72	0.0079	0.0707	T	0.28	0.89	0.1497	1.0000
CD14	rs778584	5	NC	AHR	A	0.49	0.79	0.2045	1.0000	G	0.52	1.21	0.3824	1.0000	G	0.45	1.07	0.5845	1.0000	A	0.49	1.19	0.1110	0.9990	A	0.50	1.00	0.9518	1.0000
CD14	rs4914	5	CS	AHR	C	0.12	1.27	0.3956	1.0000	C	0.11	0.78	0.4789	1.0000	C	0.11	0.82	0.3163	1.0000	C	0.12	0.90	0.5410	1.0000	C	0.12	0.91	0.3931	1.0000
CD14	rs2569190**	5	NC	AHR	A	0.48	0.78	0.1757	0.5271	G	0.52	1.13	0.5875	1.0000	G	0.45	1.04	0.7605	1.0000	A	0.48	1.22	0.0686	0.2059	A	0.49	1.02	0.7671	1.0000
CD14	rs5744455	5	NC	AHR	T	0.23	1.23	0.3342	1.0000	T	0.24	1.09	0.7728	1.0000	T	0.19	1.15	0.3857	1.0000	T	0.24	1.06	0.6246	1.0000	T	0.23	1.12	0.2025	1.0000
CD14	rs2569193**	5	NC	AHR											A	0.25	0.96	0.7762	1.0000						A	0.25	0.96	0.7762	1.0000

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Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>CD14</i>	rs3822356	5	NC	AHR	G	0.23	1.26	0.2803	1.0000	G	0.24	1.09	0.7728	1.0000	G	0.19	1.16	0.3454	1.0000	G	0.23	1.08	0.5688	1.0000	G	0.23	1.13	0.1571	1.0000
<i>CHUK</i>	rs3808916	10	NC	AHR	A	0.07	1.13	0.7236	1.0000	A	0.07	1.56	0.2952	1.0000	A	0.09	1.28	0.2239	1.0000	A	0.06	1.13	0.5929	1.0000	A	0.07	1.23	0.1181	1.0000
<i>CHUK</i>	rs3818411	10	NC	AHR	G	0.49	1.02	0.9298	1.0000	G	0.49	1.10	0.6188	1.0000	G	0.43	1.13	0.3262	1.0000	G	0.47	0.93	0.5091	1.0000	G	0.47	1.02	0.7319	1.0000
<i>CHUK</i>	rs17885986	10	NC	AHR	T	0.06	0.85	0.6829	1.0000	T	0.05	1.00	1.0000	1.0000	T	0.06	0.89	0.6323	1.0000	T	0.06	0.56	0.0150	0.1346	T	0.06	0.75	0.0459	0.5508
<i>CHUK</i>	rs17880383	10	CS	AHR	A	0.06	0.71	0.3520	1.0000	A	0.04	0.25	0.0496	0.5952	A	0.07	1.03	0.9028	1.0000	A	0.06	1.25	0.3179	1.0000	A	0.06	0.99	0.9344	1.0000
<i>CHUK</i>	rs11595324	10	NC	AHR	C	0.05	1.00	1.0000	1.0000	C	0.04	0.50	0.2437	1.0000	C	0.04	1.38	0.3287	1.0000						C	0.04	1.05	0.8208	1.0000
<i>CHUK</i>	rs17885645	10	NC	AHR	C	0.42	1.00	1.0000	1.0000	C	0.41	0.68	0.0707	0.8482	C	0.47	0.81	0.0842	1.0000	C	0.46	1.02	0.8814	1.0000	C	0.44	0.90	0.1395	1.0000
<i>IKBKAP</i>	rs10521090	9	NC	AHR	C	0.31	0.83	0.3356	1.0000	C	0.29	0.90	0.6463	1.0000	C	0.28	1.08	0.5695	1.0000	C	0.31	1.20	0.1107	1.0000	C	0.30	1.06	0.4130	1.0000
<i>IKBKAP</i>	rs1417714	9	NC	AHR	A	0.45	0.82	0.2729	1.0000	A	0.42	1.18	0.4527	1.0000	A	0.38	1.01	0.9528	1.0000	A	0.45	1.07	0.5410	1.0000	A	0.44	1.02	0.8027	1.0000
<i>IKBKAP</i>	rs7872727	9	NC	AHR	G	0.23	0.75	0.1769	1.0000	G	0.20	1.17	0.5714	1.0000	G	0.18	0.85	0.2619	1.0000	G	0.23	0.92	0.5395	1.0000	G	0.22	0.89	0.1540	1.0000
<i>IKBKAP</i>	rs10816750	9	NC	AHR	A	0.15	0.90	0.6547	1.0000	A	0.16	0.47	0.0121	0.4096	A	0.20	0.88	0.4346	1.0000	A	0.16	1.02	0.8740	1.0000	A	0.16	0.88	0.1834	1.0000
<i>IKBKAP</i>	rs1981268	9	NC	AHR	C	0.11	0.67	0.1782	1.0000	C	0.11	1.39	0.3681	1.0000	C	0.11	1.02	0.9237	1.0000						C	0.11	0.97	0.8254	1.0000
<i>IKBKAP</i>	rs4978753	9	NC	AHR	A	0.16	0.91	0.6586	1.0000	A	0.16	0.47	0.0121	0.4096	A	0.20	0.88	0.4346	1.0000	A	0.16	1.05	0.7562	1.0000	A	0.17	0.89	0.2200	1.0000
<i>IKBKAP</i>	rs2275496	9	NC	AHR	A	0.48	1.00	1.0000	1.0000	A	0.45	1.32	0.2001	1.0000	A	0.47	1.08	0.5620	1.0000	A	0.45	0.84	0.1257	1.0000	A	0.46	0.99	0.8467	1.0000
<i>IKBKAP</i>	rs10512388	9	NC	AHR	A	0.11	1.48	0.1439	1.0000	A	0.10	1.42	0.3520	1.0000	A	0.09	0.94	0.7557	1.0000	A	0.12	1.09	0.6315	1.0000	A	0.11	1.12	0.2955	1.0000
<i>IKBKAP</i>	rs4978374	9	NC	AHR	T	0.22	0.84	0.4730	1.0000	T	0.25	1.16	0.5860	1.0000	T	0.23	1.01	0.9423	1.0000	T	0.24	1.08	0.5326	1.0000	T	0.24	1.03	0.7090	1.0000
<i>IKBKAP</i>	rs3780507	9	NC	AHR	C	0.27	1.17	0.4051	1.0000	C	0.26	0.66	0.1138	1.0000	C	0.28	0.91	0.4591	1.0000	C	0.28	1.08	0.5056	1.0000	C	0.27	0.99	0.9085	1.0000
<i>IKBKAP</i>	rs10759326	9	CNS	AHR	C	0.18	1.32	0.2151	1.0000	C	0.16	0.90	0.7518	1.0000	C	0.15	0.96	0.8032	1.0000	C	0.19	1.02	0.8550	1.0000	C	0.18	1.04	0.6916	1.0000
<i>IKBKAP</i>	rs2275632	9	NC	AHR	A	0.05	1.86	0.1764	1.0000	A	0.06	1.10	0.8272	1.0000	A	0.04	1.50	0.2039	1.0000						A	0.05	1.46	0.0945	1.0000
<i>IKBKAP</i>	rs3818932	9	NC	AHR	G	0.31	1.00	1.0000	1.0000	G	0.29	0.94	0.8055	1.0000	G	0.32	1.25	0.1190	1.0000	G	0.28	0.87	0.2563	1.0000	G	0.29	1.00	0.9565	1.0000
<i>IKBKAP</i>	rs838827	9	CNS	AHR	A	0.06	1.40	0.3162	1.0000	A	0.05	2.00	0.3127	1.0000	A	0.05	0.64	0.1052	1.0000	A	0.06	1.25	0.2839	1.0000	A	0.06	1.08	0.6095	1.0000
<i>IKBKAP</i>	rs838825	9	NC	AHR	G	0.17	1.00	1.0000	1.0000	G	0.20	1.56	0.0892	1.0000	G	0.18	1.00	1.0000	1.0000	G	0.19	0.83	0.2015	1.0000	G	0.18	0.98	0.8235	1.0000
<i>IKBKAP</i>	rs838824	9	NC	AHR	T	0.37	1.09	0.6439	1.0000	T	0.33	1.03	0.9042	1.0000	T	0.37	1.06	0.6666	1.0000	T	0.34	0.94	0.6077	1.0000	T	0.35	1.01	0.9073	1.0000
<i>IKBKAP</i>	rs2297579	9	NC	AHR	A	0.07	1.50	0.2717	1.0000	A	0.09	1.23	0.5771	1.0000	A	0.06	1.32	0.2924	1.0000	A	0.08	1.20	0.3583	1.0000	A	0.08	1.27	0.0759	1.0000
<i>IKBKAP</i>	rs838818	9	NC	AHR	G	0.33	0.75	0.1523	1.0000	G	0.33	0.71	0.1505	1.0000	G	0.34	0.86	0.2714	1.0000	G	0.33	1.09	0.4693	1.0000	G	0.33	0.92	0.2560	1.0000
<i>IKBKAP</i>	rs838819	9	NC	AHR	T	0.48	0.77	0.1613	1.0000	C	0.49	0.97	0.9042	1.0000	T	0.50	0.85	0.2166	1.0000	T	0.49	1.01	0.9005	1.0000	T	0.50	0.92	0.2642	1.0000
<i>IKBKAP</i>	rs2289480	9	NC	AHR	C	0.38	1.07	0.7103	1.0000	C	0.38	1.06	0.8161	1.0000	C	0.38	1.34	0.0279	0.9306	C	0.36	0.92	0.4762	1.0000	C	0.37	1.08	0.3264	1.0000
<i>IKBKB</i>	rs3747811	8	NC	AHR	T	0.51	0.87	0.4243	1.0000	A	0.48	0.95	0.8273	1.0000	A	0.47	1.06	0.6051	1.0000	A	0.48	0.71	0.0017	0.0248	A	0.48	0.91	0.1542	1.0000
<i>IKBKB</i>	rs11986055	8	NC	AHR	C	0.04	0.91	0.8272	1.0000	C	0.03	1.33	0.7050	1.0000	C	0.02	1.00	1.0000	1.0000	C	0.04	1.22	0.4523	1.0000	C	0.03	1.12	0.5748	1.0000

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Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>IKBKB</i>	rs5029748	8	NC	AHR	A	0.26	0.98	0.9215	1.0000	A	0.24	1.50	0.1559	1.0000	A	0.27	0.84	0.2047	1.0000	A	0.26	0.74	0.0183	0.2751	A	0.26	0.86	0.0594	0.8914
<i>IKBKB</i>	rs4560769	8	NC	AHR	C	0.08	0.77	0.4227	1.0000	C	0.07	1.56	0.2952	1.0000	C	0.10	1.07	0.7103	1.0000	C	0.09	1.09	0.6620	1.0000	C	0.09	1.06	0.6120	1.0000
<i>IKBKB</i>	rs2272733	8	NC	AHR	A	0.10	0.79	0.3956	1.0000	A	0.11	1.40	0.3162	1.0000	A	0.12	1.18	0.3607	1.0000	A	0.13	1.18	0.3019	1.0000	A	0.12	1.14	0.2294	1.0000
<i>IKBKB</i>	rs17875746	8	NC	AHR	A	0.04	0.58	0.2486	1.0000	A	0.04	1.60	0.4033	1.0000	A	0.09	1.04	0.8399	1.0000	A	0.05	1.00	0.9894	1.0000	A	0.05	1.00	0.9940	1.0000
<i>IKBKB</i>	rs10958713	8	NC	AHR	A	0.35	1.00	1.0000	1.0000	A	0.34	1.27	0.3314	1.0000	A	0.37	0.90	0.3757	1.0000	A	0.36	0.68	0.0011	0.0169	A	0.36	0.85	0.0230	0.3456
<i>IL18</i>	rs543810	11	NC	AHR	C	0.12	0.70	0.2064	1.0000	C	0.12	1.50	0.2351	1.0000	C	0.14	1.12	0.5635	1.0000	C	0.09	1.28	0.1609	1.0000	C	0.11	1.13	0.2710	1.0000
<i>IL18</i>	rs549908	11	CS	AHR	G	0.30	1.59	0.0144	0.1734	G	0.29	1.10	0.7008	1.0000	G	0.30	1.03	0.8386	1.0000	G	0.31	1.02	0.8633	1.0000	G	0.30	1.11	0.1799	1.0000
<i>IL18</i>	rs5744256	11	NC	AHR	C	0.26	0.62	0.0190	0.2274	C	0.27	0.65	0.0837	1.0000	C	0.26	0.85	0.2550	1.0000	C	0.26	0.97	0.8373	1.0000	C	0.26	0.83	0.0230	0.2758
<i>IL18</i>	rs1834481	11	NC	AHR	C	0.26	0.56	0.0146	0.1757	C	0.26	0.66	0.1474	1.0000	C	0.27	0.87	0.4107	1.0000						C	0.26	0.73	0.0121	0.1458
<i>IL18</i>	rs2043055	11	NC	AHR	G	0.35	1.21	0.2847	1.0000	G	0.34	1.02	0.9126	1.0000	G	0.32	1.14	0.3191	1.0000	G	0.38	0.96	0.7466	1.0000	G	0.36	1.06	0.4171	1.0000
<i>IL18</i>	rs360717**	11	NC	AHR	A	0.27	1.40	0.0825	0.2477	A	0.26	1.20	0.4999	1.0000	A	0.27	0.95	0.7282	1.0000						A	0.27	1.10	0.3492	1.0000
<i>IL18</i>	rs1946518	11	NC	AHR	T	0.40	1.14	0.4759	1.0000	T	0.39	1.27	0.3616	1.0000	T	0.43	0.95	0.7065	1.0000	T	0.38	1.04	0.7056	1.0000	T	0.39	1.04	0.5673	1.0000
<i>IL18</i>	rs360712	11	CS	AHR	C	0.26	1.38	0.1088	1.0000	C	0.25	1.12	0.6802	1.0000	C	0.24	0.93	0.6179	1.0000	C	0.26	0.99	0.9565	1.0000	C	0.25	1.04	0.6510	1.0000
<i>IL18BP</i>	rs2276384	11	NC	AHR	C	0.03	0.11	0.0067	0.0591	C	0.02	0.22	0.0282	0.2534	C	0.02	1.08	0.8414	1.0000	C	0.02	0.95	0.9129	1.0000	C	0.02	0.63	0.0733	0.6599
<i>IL18BP</i>	rs3814721	11	NC	AHR	C	0.06	0.47	0.0845	0.7493	C	0.06	0.46	0.1042	0.9378	C	0.06	1.15	0.5989	1.0000	C	0.05	1.19	0.5035	1.0000	C	0.05	0.93	0.6314	1.0000
<i>IL18BP</i>	rs2298455	11	NC	AHR	C	0.11	1.38	0.2569	1.0000	C	0.11	1.06	0.8658	1.0000	C	0.12	1.13	0.5172	1.0000	C	0.12	1.10	0.5618	1.0000	C	0.11	1.14	0.2181	1.0000
<i>IL18BP</i>	rs1573503	11	NC	AHR	A	0.03	0.11	0.0067	0.0591	A	0.02	0.25	0.0496	0.4464	A	0.02	2.06	0.2391	1.0000	A	0.02	1.23	0.6236	1.0000	A	0.02	0.74	0.2863	1.0000
<i>IL18R1</i>	rs13015714	2	NC	AHR	G	0.23	1.19	0.4090	1.0000	G	0.24	0.81	0.4222	1.0000	G	0.22	0.93	0.6028	1.0000	G	0.23	1.10	0.4702	1.0000	G	0.23	1.02	0.7965	1.0000
<i>IL18R1</i>	rs4851567	2	NC	AHR	T	0.10	1.19	0.5551	1.0000																T	0.10	1.18	0.5634	1.0000
<i>IL18R1</i>	rs10170583	2	NC	AHR	A	0.39	0.94	0.7297	1.0000	A	0.34	1.23	0.3990	1.0000	A	0.41	0.78	0.0412	1.0000	A	0.38	0.80	0.0440	1.0000	A	0.38	0.84	0.0187	0.6232
<i>IL18R1</i>	rs10204837	2	NC	AHR	A	0.39	0.92	0.6120	1.0000	A	0.34	1.32	0.2378	1.0000	A	0.41	0.81	0.0796	1.0000	A	0.37	0.79	0.0392	1.0000	A	0.38	0.86	0.0302	1.0000
<i>IL18R1</i>	rs11465567	2	NC	AHR	G	0.10	0.43	0.0086	0.2868	G	0.12	1.13	0.7315	1.0000	G	0.10	1.34	0.1888	1.0000	G	0.10	1.17	0.3887	1.0000	G	0.10	1.05	0.7078	1.0000
<i>IL18R1</i>	rs2287037	2	NC	AHR	A	0.38	0.97	0.8586	1.0000	A	0.42	0.95	0.8252	1.0000	A	0.36	1.42	0.2137	1.0000	A	0.40	1.17	0.1590	1.0000	A	0.40	1.11	0.2101	1.0000
<i>IL18R1</i>	rs11465572	2	NC	AHR	T	0.10	0.47	0.0147	0.4910	T	0.12	1.13	0.7315	1.0000	T	0.10	1.34	0.1888	1.0000	T	0.10	1.17	0.3926	1.0000	T	0.10	1.05	0.6673	1.0000
<i>IL18R1</i>	rs10515921	2	NC	AHR	G	0.14	0.94	0.8084	1.0000	G	0.12	1.69	0.0916	1.0000	G	0.11	0.89	0.5482	1.0000	G	0.15	1.07	0.6527	1.0000	G	0.13	1.05	0.6490	1.0000
<i>IL18R1</i>	rs3771172	2	NC	AHR	T	0.27	1.36	0.1309	1.0000	T	0.30	0.90	0.6419	1.0000	T	0.27	1.20	0.1664	1.0000	T	0.30	1.12	0.3477	1.0000	T	0.29	1.15	0.0687	1.0000
<i>IL18R1</i>	rs1465321	2	NC	AHR	A	0.23	1.18	0.4139	1.0000	A	0.24	0.76	0.2927	1.0000	A	0.22	0.94	0.6564	1.0000	A	0.22	1.12	0.3751	1.0000	A	0.23	1.03	0.7517	1.0000
<i>IL18R1</i>	rs11465597	2	NC	AHR	C	0.11	0.55	0.0510	1.0000	C	0.12	1.21	0.5897	1.0000	C	0.10	1.64	0.0276	0.8345	C	0.10	1.27	0.2004	1.0000	C	0.10	1.19	0.1523	1.0000
<i>IL18R1</i>	rs7579737	2	NC	AHR	G	0.31	0.62	0.0127	0.4262	G	0.30	1.70	0.0189	0.5793	G	0.33	0.89	0.4330	1.0000	G	0.31	0.88	0.2953	1.0000	G	0.31	0.91	0.1950	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>IL18R1</i>	rs6758936	2	NC	AHR	A	0.49	0.68	0.0297	0.9925	G	0.54	0.72	0.1427	1.0000	A	0.50	0.88	0.3067	1.0000	A	0.47	0.84	0.1099	1.0000	A	0.48	0.87	0.0423	1.0000
<i>IL18R1</i>	rs7558013	2	NC	AHR	T	0.23	1.06	0.7630	1.0000	T	0.19	2.50	0.0011	0.0341	T	0.21	0.64	0.0039	0.1168	T	0.24	0.85	0.2049	1.0000	T	0.22	0.90	0.1986	1.0000
<i>IL18R1</i>	rs11465623	2	NC	AHR	A	0.08	0.43	0.0086	0.2868	A	0.08	0.77	0.5310	1.0000	A	0.12	1.45	0.0547	1.0000	A	0.08	1.29	0.2031	1.0000	A	0.09	1.10	0.4459	1.0000
<i>IL18R1</i>	rs3213733	2	NC	AHR	A	0.18	0.78	0.2689	1.0000	A	0.18	0.73	0.2663	1.0000	A	0.17	1.01	0.9324	1.0000	A	0.15	0.79	0.1332	1.0000	A	0.16	0.85	0.0842	1.0000
<i>IL18R1</i>	rs2241116	2	NC	AHR	T	0.22	1.09	0.6732	1.0000	T	0.23	0.76	0.3010	1.0000	T	0.21	1.18	0.2670	1.0000	T	0.23	1.02	0.8874	1.0000	T	0.22	1.05	0.5816	1.0000
<i>IL18RAP</i>	rs1592458	2	NC	AHR	T	0.49	0.70	0.0376	1.0000	A	0.54	0.70	0.1166	1.0000	T	0.50	0.88	0.3067	1.0000	T	0.47	0.84	0.1238	1.0000	T	0.48	0.87	0.0549	1.0000
<i>IL18RAP</i>	rs1807782	2	NC	AHR	G	0.23	1.18	0.4139	1.0000	G	0.24	0.76	0.2927	1.0000	G	0.22	0.95	0.7116	1.0000	G	0.23	1.09	0.4872	1.0000	G	0.23	1.02	0.8110	1.0000
<i>IL18RAP</i>	rs11465670	2	NC	AHR	C	0.14	1.03	0.9042	1.0000	C	0.11	1.86	0.0559	1.0000	C	0.11	0.96	0.8348	1.0000	C	0.15	1.10	0.5388	1.0000	C	0.13	1.11	0.3240	1.0000
<i>IL18RAP</i>	rs1833174	2	NC	AHR	A	0.49	0.70	0.0376	1.0000	A	0.46	1.33	0.2092	1.0000	A	0.50	0.88	0.3049	1.0000	A	0.47	0.85	0.1255	1.0000	A	0.48	0.87	0.0427	1.0000
<i>IL18RAP</i>	rs2293225	2	NC	AHR	A	0.22	1.17	0.4579	1.0000	A	0.23	0.78	0.3532	1.0000	A	0.21	1.18	0.2670	1.0000	A	0.23	1.02	0.8565	1.0000	A	0.22	1.06	0.4556	1.0000
<i>IL18RAP</i>	rs6756407	2	NC	AHR	A	0.08	0.45	0.0124	0.3409	A	0.09	0.83	0.6696	1.0000	A	0.12	1.40	0.0843	1.0000	A	0.08	1.25	0.2751	1.0000	A	0.09	1.08	0.5130	1.0000
<i>IL18RAP</i>	rs3771156	2	NC	AHR	A	0.28	1.35	0.1348	1.0000	A	0.30	0.85	0.4911	1.0000	A	0.27	1.20	0.1532	1.0000	A	0.30	1.13	0.3088	1.0000	A	0.29	1.15	0.0689	1.0000
<i>IL18RAP</i>	rs10176820	2	NC	AHR	G	0.18	0.77	0.2266	1.0000	G	0.18	0.79	0.3956	1.0000	G	0.17	1.03	0.8658	1.0000	G	0.15	0.78	0.1149	1.0000	G	0.17	0.85	0.0935	1.0000
<i>IL18RAP</i>	rs2075186	2	NC	AHR	A	0.18	0.77	0.2266	1.0000	A	0.18	0.73	0.2663	1.0000	A	0.17	1.03	0.8658	1.0000	A	0.15	0.79	0.1298	1.0000	A	0.17	0.85	0.0835	1.0000
<i>IL18RAP</i>	rs11465702	2	NC	AHR	G	0.14	0.78	0.3242	1.0000	G	0.13	0.56	0.0622	1.0000	G	0.15	0.95	0.7917	1.0000	G	0.12	0.79	0.1772	1.0000	G	0.13	0.81	0.0455	1.0000
<i>IL18RAP</i>	rs6748390	2	NC	AHR	C	0.31	0.83	0.3046	1.0000	C	0.28	1.91	0.0097	0.2667	C	0.33	0.84	0.2007	1.0000	C	0.32	0.92	0.4575	1.0000	C	0.31	0.94	0.4111	1.0000
<i>IL18RAP</i>	rs6543135	2	NC	AHR	A	0.22	1.06	0.7606	1.0000	A	0.19	2.50	0.0011	0.0307	A	0.20	0.66	0.0065	0.1988	A	0.24	0.85	0.1953	1.0000	A	0.22	0.90	0.2227	1.0000
<i>IL18RAP</i>	rs11465724	2	NC	AHR	A	0.03	0.57	0.3627	1.0000	A	0.03	0.33	0.0764	1.0000	A	0.03	1.00	1.0000	1.0000	A	0.04	1.23	0.5038	1.0000	A	0.03	0.91	0.6434	1.0000
<i>IL18RAP</i>	rs11465730	2	NC	AHR	C	0.46	1.05	0.7851	1.0000	C	0.48	0.75	0.1674	1.0000	C	0.45	1.20	0.1392	1.0000	C	0.45	0.95	0.6466	1.0000	C	0.46	1.01	0.8434	1.0000
<i>IL18RAP</i>	rs917998	2	NC	AHR	A	0.09	1.18	0.6217	1.0000	A	0.08	2.33	0.0263	0.7250	A	0.10	0.48	0.0006	0.0178	A	0.09	0.58	0.0059	0.1599	A	0.09	0.71	0.0044	0.1204
<i>IL1A</i>	rs2048874	2	NC	AHR	T	0.11	1.64	0.0647	0.7733	T	0.12	1.43	0.3022	1.0000	T	0.15	1.16	0.3942	1.0000	T	0.13	0.85	0.3430	1.0000	T	0.13	1.10	0.3414	1.0000
<i>IL1A</i>	rs4848300	2	NC	AHR	C	0.30	1.16	0.4454	1.0000	C	0.32	1.23	0.3920	1.0000	C	0.30	0.85	0.2414	1.0000	C	0.29	0.78	0.0467	0.5548	C	0.30	0.90	0.1760	1.0000
<i>IL1A</i>	rs3783546	2	NC	AHR	G	0.30	0.66	0.0379	0.4524	G	0.29	0.70	0.1323	1.0000	G	0.29	1.03	0.8348	1.0000	G	0.31	1.23	0.0734	0.8715	G	0.30	1.00	0.9903	1.0000
<i>IL1A</i>	rs17561**	2	CNS	AHR	A	0.29	1.14	0.5024	1.0000	A	0.31	1.28	0.3242	0.9726	A	0.30	0.85	0.2414	0.7242	A	0.29	0.78	0.0446	0.1338	A	0.30	0.90	0.1712	0.5136
<i>IL1A</i>	rs1800587	2	NC	AHR	A	0.30	1.14	0.5063	1.0000	A	0.31	1.23	0.3920	1.0000	A	0.30	0.84	0.2137	1.0000	A	0.29	0.78	0.0467	0.5548	A	0.30	0.89	0.1524	1.0000
<i>IL1A</i>	rs3783516	2	NC	AHR	A	0.40	1.25	0.2082	1.0000	A	0.39	1.16	0.5021	1.0000	A	0.41	1.13	0.3536	1.0000	A	0.40	1.01	0.9102	1.0000	A	0.40	1.10	0.1898	1.0000
<i>IL1B</i>	rs3917368	2	NC	AHR	T	0.37	0.90	0.5344	1.0000	T	0.36	1.00	1.0000	1.0000	T	0.36	1.12	0.4096	1.0000	T	0.36	0.89	0.3304	1.0000	T	0.36	0.97	0.6564	1.0000
<i>IL1B</i>	rs1143634	2	CS	AHR	A	0.22	1.46	0.0836	0.5014	A	0.24	1.21	0.4457	1.0000	A	0.25	0.84	0.2299	1.0000	A	0.23	0.96	0.7249	1.0000	A	0.23	1.00	0.9867	1.0000
<i>IL1B</i>	rs1143627	2	NC	AHR	G	0.34	1.08	0.6976	1.0000	G	0.33	0.95	0.8252	1.0000	G	0.27	1.10	0.5169	1.0000	G	0.34	1.07	0.5588	1.0000	G	0.33	1.06	0.4186	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>IL1B</i>	rs16944**	2	NC	AHR	T	0.34	1.08	0.6976	1.0000	T	0.33	1.00	1.0000	1.0000	T	0.27	1.10	0.5169	1.0000	T	0.35	1.06	0.6245	1.0000	T	0.33	1.06	0.4115	1.0000
<i>IL1R1</i>	rs11883987	2	NC	AHR	G	0.40	0.85	0.3650	1.0000	G	0.42	0.84	0.4307	1.0000						G	0.39	0.96	0.7269	1.0000	G	0.40	0.91	0.3092	1.0000
<i>IL1R1</i>	rs1558642	2	NC	AHR	A	0.21	0.88	0.5315	1.0000	A	0.23	1.13	0.6170	1.0000	A	0.21	0.93	0.6414	1.0000	A	0.21	1.09	0.5015	1.0000	A	0.22	1.01	0.9264	1.0000
<i>IL1R1</i>	rs6754776	2	NC	AHR	C	0.13	0.71	0.2153	1.0000	C	0.12	0.71	0.2731	1.0000	C	0.14	1.33	0.1005	1.0000	C	0.13	0.95	0.7682	1.0000	C	0.13	1.00	0.9749	1.0000
<i>IL1R1</i>	rs3917225	2	NC	AHR	G	0.45	1.22	0.2593	1.0000	G	0.45	1.24	0.3227	1.0000	G	0.45	0.98	0.8973	1.0000	G	0.48	1.06	0.5613	1.0000	G	0.46	1.08	0.2768	1.0000
<i>IL1R1</i>	rs2192752	2	NC	AHR	C	0.21	0.86	0.4724	1.0000	C	0.23	1.13	0.6170	1.0000	C	0.21	0.93	0.6414	1.0000	C	0.21	1.09	0.5091	1.0000	C	0.22	1.00	0.9664	1.0000
<i>IL1R1</i>	rs949963	2	NC	AHR	T	0.18	1.17	0.4629	1.0000	T	0.19	0.80	0.4137	1.0000	T	0.17	0.89	0.4636	1.0000	T	0.16	0.75	0.0707	1.0000	T	0.17	0.87	0.1442	1.0000
<i>IL1R1</i>	rs3917243	2	NC	AHR	T	0.46	1.32	0.1166	1.0000	T	0.45	1.35	0.1626	1.0000	T	0.47	0.97	0.8003	1.0000	T	0.49	1.05	0.6249	1.0000	T	0.47	1.09	0.2056	1.0000
<i>IL1R1</i>	rs3917254	2	NC	AHR	A	0.10	0.66	0.1474	1.0000	A	0.10	0.84	0.6119	1.0000	A	0.05	1.51	0.1542	1.0000	A	0.10	0.70	0.0570	1.0000	A	0.09	0.83	0.1367	1.0000
<i>IL1R1</i>	rs3917273	2	NC	AHR	T	0.43	0.97	0.8597	1.0000	T	0.44	0.91	0.6625	1.0000	T	0.39	0.86	0.2049	1.0000	T	0.41	0.84	0.1065	1.0000	T	0.41	0.87	0.0490	1.0000
<i>IL1R1</i>	rs3917285	2	NC	AHR	T	0.09	1.04	0.8864	1.0000	T	0.10	0.60	0.1551	1.0000	T	0.12	1.12	0.5598	1.0000	T	0.08	0.76	0.2075	1.0000	T	0.09	0.91	0.4363	1.0000
<i>IL1R1</i>	rs2228139	2	CNS	AHR	C	0.07	1.00	1.0000	1.0000	C	0.07	2.00	0.1230	1.0000	C	0.08	0.64	0.0479	1.0000	C	0.08	0.75	0.1594	1.0000	C	0.07	0.81	0.1063	1.0000
<i>IL1R1</i>	rs3917289	2	NC	AHR	A	0.08	1.11	0.7455	1.0000	A	0.07	2.29	0.0572	1.0000	A	0.08	0.66	0.0635	1.0000	A	0.09	0.72	0.0946	1.0000	A	0.08	0.83	0.1443	1.0000
<i>IL1R1</i>	rs997049	2	NC	AHR	A	0.38	1.20	0.3170	1.0000	A	0.37	1.19	0.4364	1.0000	A	0.44	1.14	0.2782	1.0000	A	0.41	1.20	0.0990	1.0000	A	0.40	1.18	0.0204	0.7385
<i>IL1R1</i>	rs3917292	2	NC	AHR	A	0.07	0.94	0.8658	1.0000	A	0.06	0.82	0.6545	1.0000	A	0.05	0.89	0.6742	1.0000	A	0.08	0.83	0.3664	1.0000	A	0.07	0.86	0.2971	1.0000
<i>IL1R1</i>	rs3917296	2	NC	AHR	G	0.07	0.88	0.6546	1.0000	G	0.06	0.92	0.8348	1.0000	G	0.08	1.22	0.3761	1.0000	G	0.08	1.02	0.9352	1.0000	G	0.08	1.04	0.7633	1.0000
<i>IL1R1</i>	rs951193	2	NC	AHR	A	0.04	0.75	0.5120	1.0000	A	0.05	0.50	0.1924	1.0000	A	0.03	0.74	0.3413	1.0000	A	0.04	1.34	0.2827	1.0000	A	0.04	0.91	0.5772	1.0000
<i>IL1R1</i>	rs3917304	2	NC	AHR	A	0.29	1.06	0.7758	1.0000	A	0.30	0.56	0.0194	0.7076	A	0.27	0.95	0.6817	1.0000	A	0.27	0.95	0.6978	1.0000	A	0.28	0.92	0.2683	1.0000
<i>IL1R1</i>	rs3917332	2	NC	AHR	A	0.20	0.75	0.1769	1.0000	A	0.20	0.86	0.5860	1.0000	A	0.22	1.10	0.5057	1.0000	A	0.20	1.05	0.6983	1.0000	A	0.20	0.99	0.9203	1.0000
<i>IL1R1</i>	rs1030021	2	NC	AHR	G	0.28	1.06	0.7582	1.0000											G	0.27	0.96	0.7718	1.0000	G	0.27	0.99	0.9284	1.0000
<i>IL1R2</i>	rs740044	2	NC	AHR	A	0.27	0.85	0.4139	1.0000	A	0.28	0.81	0.3920	1.0000	A	0.29	0.76	0.0452	1.0000	A	0.30	1.15	0.2344	1.0000	A	0.29	0.93	0.3561	1.0000
<i>IL1R2</i>	rs4851519	2	NC	AHR	T	0.08	0.80	0.5045	1.0000	T	0.07	1.08	0.8415	1.0000	T	0.07	1.49	0.0970	1.0000	T	0.09	0.77	0.2042	1.0000	T	0.08	0.99	0.9177	1.0000
<i>IL1R2</i>	rs4851522	2	NC	AHR	T	0.13	0.86	0.5860	1.0000	T	0.14	1.44	0.2265	1.0000	T	0.10	1.03	0.9104	1.0000						T	0.12	1.06	0.7070	1.0000
<i>IL1R2</i>	rs757918	2	NC	AHR	G	0.48	1.18	0.3399	1.0000	G	0.47	1.04	0.8366	1.0000	G	0.47	0.74	0.0141	0.3393	G	0.49	1.14	0.2287	1.0000	G	0.48	0.99	0.8385	1.0000
<i>IL1R2</i>	rs4851526	2	NC	AHR	C	0.42	1.00	1.0000	1.0000	C	0.43	0.85	0.4527	1.0000	C	0.44	1.20	0.1376	1.0000	C	0.40	0.99	0.9340	1.0000	C	0.42	1.04	0.5809	1.0000
<i>IL1R2</i>	rs719250	2	NC	AHR	T	0.08	0.52	0.0496	1.0000	T	0.09	1.36	0.3832	1.0000	T	0.08	1.32	0.1992	1.0000	T	0.10	0.73	0.1086	1.0000	T	0.09	0.92	0.4680	1.0000
<i>IL1R2</i>	rs3218848	2	NC	AHR	A	0.42	1.00	1.0000	1.0000																A	0.42	1.00	1.0000	1.0000
<i>IL1R2</i>	rs2110562	2	NC	AHR	T	0.49	1.16	0.3910	1.0000	T	0.47	1.00	1.0000	1.0000	T	0.47	0.76	0.0217	0.5237	C	0.51	0.89	0.3073	1.0000	T	0.48	0.98	0.7502	1.0000
<i>IL1R2</i>	rs3218979	2	NC	AHR	A	0.14	1.00	1.0000	1.0000	A	0.15	1.35	0.3063	1.0000	A	0.11	1.11	0.6115	1.0000	A	0.16	0.96	0.7739	1.0000	A	0.15	1.04	0.6705	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>IL1R2</i>	rs2072473	2	NC	AHR	A	0.12	0.50	0.0197	0.5325	A	0.12	0.89	0.7388	1.0000	A	0.13	1.10	0.6014	1.0000	A	0.14	0.82	0.2164	1.0000	A	0.13	0.86	0.1558	1.0000
<i>IL1R2</i>	rs2072472	2	NC	AHR	C	0.29	1.08	0.6920	1.0000	C	0.29	0.67	0.0979	1.0000	C	0.32	1.22	0.1252	1.0000	C	0.26	0.96	0.7572	1.0000	C	0.28	1.03	0.7302	1.0000
<i>IL1R2</i>	rs7589525	2	NC	AHR	C	0.29	1.08	0.6920	1.0000	C	0.29	0.70	0.1271	1.0000	C	0.33	1.21	0.1426	1.0000	C	0.26	0.97	0.7880	1.0000	C	0.28	1.03	0.7119	1.0000
<i>IL1R2</i>	rs4851531	2	NC	AHR	A	0.41	0.81	0.2445	1.0000	A	0.42	0.69	0.0836	1.0000	G	0.54	0.81	0.0795	1.0000	A	0.40	0.90	0.3246	1.0000	A	0.41	0.96	0.5626	1.0000
<i>IL1R2</i>	rs4851534	2	NC	AHR	A	0.45	1.20	0.2959	1.0000	A	0.44	1.17	0.4579	1.0000	A	0.43	0.76	0.0262	0.6323	A	0.45	1.13	0.2594	1.0000	A	0.44	1.01	0.8987	1.0000
<i>IL1RL1</i>	rs4090473	2	NC	AHR	C	0.52	0.87	0.4243	1.0000	G	0.45	1.27	0.2483	1.0000	G	0.47	0.80	0.0562	1.0000	G	0.49	1.01	0.9541	1.0000	G	0.48	0.97	0.7060	1.0000
<i>IL1RL1</i>	rs950880	2	NC	AHR	A	0.38	0.97	0.8586	1.0000	A	0.42	1.07	0.7477	1.0000	A	0.39	1.26	0.0552	0.9938	A	0.40	1.13	0.2630	1.0000	A	0.39	1.14	0.0632	1.0000
<i>IL1RL1</i>	rs1420089	2	NC	AHR	C	0.11	1.09	0.7680	1.0000	C	0.09	2.44	0.0177	0.3190	C	0.15	0.73	0.0717	1.0000	C	0.11	0.64	0.0158	0.2839	C	0.11	0.82	0.0732	1.0000
<i>IL1RL1</i>	rs1420103	2	NC	AHR	A	0.24	1.13	0.5402	1.0000	A	0.26	0.70	0.1647	1.0000	A	0.22	0.96	0.7643	1.0000	A	0.24	1.11	0.4250	1.0000	A	0.24	1.01	0.8852	1.0000
<i>IL1RL1</i>	rs1041973	2	CNS	AHR	A	0.23	0.64	0.0363	0.6534	A	0.24	0.76	0.2635	1.0000	A	0.24	1.08	0.5772	1.0000						A	0.24	0.89	0.2714	1.0000
<i>IL1RL1</i>	rs6719130	2	NC	AHR	T	0.14	1.06	0.8055	1.0000	T	0.11	1.59	0.1300	1.0000	T	0.12	0.89	0.5522	1.0000	T	0.15	1.18	0.2672	1.0000	T	0.13	1.11	0.2928	1.0000
<i>IL1RL1</i>	rs3771175	2	NC	AHR	A	0.14	0.78	0.3167	1.0000	A	0.13	0.50	0.0292	0.5252	A	0.15	0.97	0.8586	1.0000	A	0.12	0.78	0.1646	1.0000	A	0.13	0.80	0.0366	0.6592
<i>IL1RL1</i>	rs1946131	2	NC	AHR	A	0.10	0.47	0.0147	0.2644	A	0.12	1.13	0.7315	1.0000	A	0.10	1.31	0.2258	1.0000	A	0.10	1.20	0.3169	1.0000	A	0.10	1.06	0.6405	1.0000
<i>IL1RL1</i>	rs1921622	2	NC	AHR	C	0.48	1.02	0.9298	1.0000	C	0.46	0.79	0.2803	1.0000	C	0.52	0.82	0.0878	1.0000	C	0.45	0.83	0.0932	1.0000	C	0.47	0.85	0.0175	0.3152
<i>IL1RN</i>	rs315931	2	NC	AHR	C	0.32	1.00	1.0000	1.0000	C	0.31	0.74	0.1843	1.0000	C	0.28	1.28	0.0577	0.8671	C	0.32	1.02	0.8516	1.0000	C	0.31	1.06	0.4500	1.0000
<i>IL1RN</i>	rs4251961	2	NC	AHR	G	0.35	1.08	0.6547	1.0000	G	0.37	1.15	0.5223	1.0000	G	0.43	0.85	0.1785	1.0000	G	0.38	0.92	0.4645	1.0000	G	0.38	0.94	0.3828	1.0000
<i>IL1RN</i>	rs2637988	2	NC	AHR	C	0.40	0.93	0.6622	1.0000	C	0.40	0.77	0.2569	1.0000	C	0.34	1.14	0.2885	1.0000	C	0.40	1.06	0.5746	1.0000	C	0.39	1.03	0.6663	1.0000
<i>IL1RN</i>	rs3213448	2	NC	AHR	T	0.13	0.90	0.6858	1.0000	T	0.13	0.95	0.8728	1.0000	T	0.10	0.88	0.5061	1.0000	T	0.12	1.08	0.6228	1.0000	T	0.12	0.97	0.7897	1.0000
<i>IL1RN</i>	rs315934	2	NC	AHR	G	0.21	1.02	0.9191	1.0000	G	0.20	1.25	0.3773	1.0000	G	0.18	1.09	0.6170	1.0000	G	0.19	1.03	0.8034	1.0000	G	0.20	1.07	0.4370	1.0000
<i>IL1RN</i>	rs392503**	2	NC	AHR	G	0.28	0.94	0.7675	1.0000	G	0.28	0.77	0.2507	0.7521	G	0.25	1.23	0.1209	0.3627	G	0.28	1.03	0.8252	1.0000	G	0.28	1.04	0.5988	1.0000
<i>IL1RN</i>	rs1794067**	2	NC	AHR	A	0.28	0.93	0.6976	1.0000	A	0.28	0.69	0.1073	0.3219	A	0.25	1.24	0.1063	0.3189	A	0.29	1.02	0.8629	1.0000	A	0.28	1.03	0.7341	1.0000
<i>IL1RN</i>	rs598859	2	NC	AHR	T	0.28	0.91	0.6255	1.0000	T	0.28	0.73	0.1678	1.0000	T	0.25	1.24	0.1063	1.0000						T	0.27	1.03	0.7280	1.0000
<i>IL1RN</i>	rs973635	2	NC	AHR	A	0.13	1.00	1.0000	1.0000	A	0.14	0.87	0.6472	1.0000	A	0.11	1.02	0.9257	1.0000	A	0.14	0.97	0.8576	1.0000	A	0.13	0.98	0.8251	1.0000
<i>IL1RN</i>	rs440286**	2	NC	AHR	T	0.26	0.87	0.4815	1.0000	T	0.27	0.73	0.1734	0.5202	T	0.24	1.17	0.2478	0.7434	T	0.28	1.05	0.6999	1.0000	T	0.27	1.01	0.8670	1.0000
<i>IL1RN</i>	rs315952	2	CS	AHR	G	0.31	0.95	0.7758	1.0000	G	0.28	0.98	0.9126	1.0000	G	0.25	1.06	0.6744	1.0000	G	0.28	1.03	0.8015	1.0000	G	0.28	1.02	0.8117	1.0000
<i>IRAK2</i>	rs11465853	3	NC	AHR	G	0.31	0.84	0.3749	1.0000	G	0.33	0.66	0.0781	1.0000	G	0.33	0.94	0.6713	1.0000	G	0.32	0.87	0.2485	1.0000	G	0.32	0.86	0.0546	1.0000
<i>IRAK2</i>	rs708030	3	NC	AHR	G	0.49	0.83	0.2959	1.0000	G	0.48	0.95	0.8208	1.0000	G	0.44	1.23	0.0820	1.0000	G	0.48	1.04	0.7227	1.0000	G	0.48	1.05	0.4547	1.0000
<i>IRAK2</i>	rs2619508	3	NC	AHR	A	0.44	0.90	0.5407	1.0000	A	0.43	1.33	0.1769	1.0000	A	0.42	1.07	0.5597	1.0000	A	0.43	1.02	0.8283	1.0000	A	0.43	1.05	0.4936	1.0000
<i>IRAK2</i>	rs11465861	3	NC	AHR	C	0.19	0.66	0.0480	1.0000	C	0.20	1.31	0.3010	1.0000	C	0.19	1.08	0.5695	1.0000	C	0.20	0.92	0.5286	1.0000	C	0.20	0.96	0.6080	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
IRAK2	rs1681663	3	NC	AHR	T	0.24	1.11	0.6079	1.0000	T	0.22	1.07	0.7962	1.0000	T	0.24	0.95	0.7216	1.0000	T	0.22	1.11	0.4278	1.0000	T	0.23	1.05	0.5594	1.0000
IRAK2	rs1169670	3	NC	AHR	C	0.39	1.28	0.1600	1.0000	C	0.39	0.82	0.3397	1.0000	C	0.41	0.80	0.0751	1.0000	C	0.39	1.06	0.5752	1.0000	C	0.39	0.97	0.6723	1.0000
IRAK2	rs1177614	3	NC	AHR	C	0.23	1.24	0.2967	1.0000	C	0.22	1.10	0.7008	1.0000	C	0.23	0.96	0.7751	1.0000	C	0.22	1.07	0.6001	1.0000	C	0.22	1.06	0.4816	1.0000
IRAK2	rs155266	3	NC	AHR	T	0.41	0.63	0.0087	0.3406	T	0.43	1.21	0.3880	1.0000	T	0.39	1.53	0.1288	1.0000	T	0.44	0.89	0.3127	1.0000	T	0.43	0.91	0.2329	1.0000
IRAK2	rs1144911	3	NC	AHR	A	0.40	1.23	0.2261	1.0000	A	0.39	0.87	0.5125	1.0000	A	0.40	0.86	0.2354	1.0000	A	0.39	1.08	0.4896	1.0000	A	0.40	1.00	0.9598	1.0000
IRAK2	rs155584	3	NC	AHR	C	0.41	0.65	0.0144	0.5633	C	0.44	1.31	0.2266	1.0000	C	0.40	1.18	0.1800	1.0000	C	0.44	0.88	0.2494	1.0000	C	0.43	0.96	0.5772	1.0000
IRAK2	rs263408	3	NC	AHR	G	0.07	0.64	0.1806	1.0000	G	0.07	0.85	0.6829	1.0000	G	0.10	1.38	0.0826	1.0000	G	0.09	0.80	0.2495	1.0000	G	0.09	0.98	0.8617	1.0000
IRAK2	rs263410	3	NC	AHR	T	0.16	1.46	0.1325	1.0000	T	0.14	0.91	0.7630	1.0000	T	0.15	1.15	0.7053	1.0000	T	0.13	1.13	0.4497	1.0000	T	0.14	1.16	0.2116	1.0000
IRAK2	rs263412	3	NC	AHR	G	0.08	0.85	0.5635	1.0000	G	0.08	0.83	0.6696	1.0000	G	0.11	1.12	0.4955	1.0000	G	0.10	0.81	0.2710	1.0000	G	0.09	0.94	0.5858	1.0000
IRAK2	rs1169674	3	NC	AHR	A	0.01	*	0.0959	1.0000	A	0.01	1.50	0.6536	1.0000	A	0.00	*	0.0414	1.0000	A	0.01	0.61	0.3298	1.0000	A	0.01	0.74	0.4441	1.0000
IRAK2	rs459864	3	NC	AHR	A	0.15	1.41	0.1714	1.0000	A	0.14	1.25	0.4556	1.0000	A	0.17	1.03	0.8720	1.0000	A	0.14	1.22	0.1958	1.0000	A	0.15	1.17	0.0949	1.0000
IRAK2	rs464286	3	CS	AHR	C	0.07	0.90	0.7455	1.0000	C	0.07	0.80	0.6370	1.0000	C	0.08	1.26	0.2628	1.0000	C	0.07	0.84	0.4051	1.0000	C	0.07	0.99	0.9522	1.0000
IRAK2	rs2302859	3	NC	AHR	G	0.23	1.15	0.4815	1.0000	G	0.22	1.08	0.7855	1.0000	G	0.24	1.06	0.6871	1.0000	G	0.22	1.07	0.6110	1.0000	G	0.22	1.08	0.3567	1.0000
IRAK2	rs3844283	3	CNS	AHR	G	0.43	0.77	0.1399	1.0000	G	0.43	0.93	0.7357	1.0000	G	0.37	1.18	0.1896	1.0000	G	0.43	0.98	0.8769	1.0000	G	0.42	1.00	0.9490	1.0000
IRAK2	rs779905	3	NC	AHR	T	0.14	1.26	0.3696	1.0000	T	0.14	1.04	0.8840	1.0000	T	0.14	0.82	0.2393	1.0000	T	0.13	1.03	0.8578	1.0000	T	0.14	0.98	0.8521	1.0000
IRAK2	rs776514	3	NC	AHR	A	0.43	1.09	0.6120	1.0000	A	0.43	0.95	0.8273	1.0000	A	0.47	0.96	0.7264	1.0000	A	0.44	0.94	0.5531	1.0000	A	0.44	0.97	0.6613	1.0000
IRAK2	rs708035	3	CNS	AHR	A	0.36	1.13	0.4828	1.0000	A	0.36	0.93	0.7357	1.0000	A	0.39	0.89	0.3717	1.0000	A	0.37	0.98	0.8340	1.0000	A	0.37	0.97	0.6473	1.0000
IRAK2	rs11706450	3	NC	AHR	T	0.48	1.26	0.1758	1.0000	C	0.52	0.95	0.8208	1.0000	T	0.52	0.80	0.0876	1.0000	T	0.48	0.97	0.8010	1.0000	T	0.49	0.97	0.6317	1.0000
IRAK2	rs713016	3	NC	AHR	A	0.12	1.41	0.2153	1.0000	A	0.12	1.05	0.8728	1.0000	A	0.13	0.84	0.3098	1.0000	A	0.11	1.01	0.9304	1.0000	A	0.12	0.99	0.9587	1.0000
IRAK2	rs11465932	3	NC	AHR	T	0.52	0.77	0.1277	1.0000	T	0.52	0.97	0.9104	1.0000	C	0.52	0.79	0.0665	1.0000	C	0.48	0.98	0.8682	1.0000	C	0.49	0.97	0.6468	1.0000
IRAK4	rs10880565	12	NC	AHR	C	0.10	0.68	0.1879	1.0000	C	0.10	1.00	1.0000	1.0000	C	0.11	1.08	0.7002	1.0000	C	0.11	0.67	0.0334	0.5006	C	0.10	0.83	0.1057	1.0000
IRAK4	rs4251431	12	NC	AHR	T	0.08	0.57	0.0934	1.0000	T	0.08	0.90	0.8185	1.0000	T	0.10	1.09	0.6732	1.0000	T	0.09	0.73	0.1209	1.0000	T	0.09	0.83	0.1497	1.0000
IRAK4	rs1461567	12	NC	AHR	A	0.31	0.88	0.5101	1.0000	A	0.26	0.78	0.2916	1.0000	A	0.24	1.11	0.4680	1.0000	A	0.28	0.95	0.6410	1.0000	A	0.28	0.96	0.5894	1.0000
IRAK4	rs4251513	12	NC	AHR	G	0.47	1.19	0.3032	1.0000	C	0.48	0.76	0.1949	1.0000	C	0.44	1.14	0.2886	1.0000	G	0.50	1.03	0.7894	1.0000	C	0.49	0.97	0.6765	1.0000
IRAK4	rs4251565	12	NC	AHR	C	0.08	1.15	0.6472	1.0000	C	0.07	0.83	0.6696	1.0000	C	0.03	0.85	0.6216	1.0000	C	0.07	1.41	0.0806	1.0000	C	0.07	1.17	0.2742	1.0000
IRAK4	rs6582484	12	NC	AHR	G	0.18	0.88	0.5687	1.0000	G	0.15	0.68	0.2156	1.0000	G	0.11	1.53	0.0357	0.5349	G	0.15	1.08	0.6144	1.0000	G	0.15	1.08	0.4605	1.0000
LBP	rs1780616	20	NC	AHR	A	0.34	0.77	0.1369	1.0000	A	0.37	1.24	0.3227	1.0000	A	0.36	1.01	0.9464	1.0000	A	0.37	1.35	0.0077	0.1385	A	0.36	1.11	0.1391	1.0000
LBP	rs5741812	20	NC	AHR	T	0.12	1.38	0.2569	1.0000	T	0.11	1.43	0.3022	1.0000	T	0.14	0.86	0.6947	1.0000	T	0.12	1.05	0.7544	1.0000	T	0.12	1.13	0.3267	1.0000
LBP	rs2232571	20	NC	AHR	C	0.19	1.02	0.9126	1.0000	C	0.17	1.35	0.3063	1.0000						C	0.17	1.04	0.7562	1.0000	C	0.18	1.08	0.4942	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
LBP	rs2232580	20	CNS	AHR	T	0.08	1.38	0.3294	1.0000	T	0.06	1.44	0.3925	1.0000	T	0.09	0.97	0.9068	1.0000						T	0.08	1.15	0.4349	1.0000
LBP	rs1609800	20	NC	AHR	T	0.43	1.16	0.3910	1.0000	T	0.43	0.78	0.2376	1.0000	T	0.45	0.96	0.7129	1.0000	T	0.44	0.81	0.0570	1.0000	T	0.44	0.90	0.1466	1.0000
LBP	rs6014804	20	NC	AHR	G	0.16	1.12	0.6373	1.0000	G	0.13	1.53	0.1474	1.0000	G	0.13	0.97	0.8628	1.0000	G	0.14	0.99	0.9525	1.0000	G	0.14	1.05	0.5831	1.0000
LBP	rs11536949	20	NC	AHR	T	0.08	1.42	0.2370	1.0000	T	0.10	2.56	0.0118	0.2482	T	0.07	0.63	0.0645	1.0000	T	0.09	1.14	0.4944	1.0000	T	0.09	1.12	0.3742	1.0000
LBP	rs12624843	20	NC	AHR	A	0.38	0.87	0.4315	1.0000	A	0.41	0.89	0.5960	1.0000	A	0.40	0.89	0.3921	1.0000	A	0.40	1.40	0.0025	0.0443	A	0.40	1.07	0.3180	1.0000
LBP	rs1780627	20	NC	AHR	A	0.44	1.07	0.6737	1.0000	A	0.43	0.80	0.3227	1.0000	A	0.41	1.10	0.4477	1.0000	A	0.45	0.78	0.0274	0.4939	A	0.44	0.92	0.2572	1.0000
LBP	rs11536988	20	NC	AHR	T	0.04	0.79	0.5480	1.0000	T	0.05	0.64	0.3438	1.0000	T	0.03	1.62	0.1259	1.0000						T	0.04	1.07	0.7504	1.0000
LBP	rs2232618	20	CNS	AHR	G	0.10	0.81	0.4654	1.0000	G	0.09	2.50	0.0100	0.2092	G	0.07	0.92	0.7254	1.0000	G	0.09	1.02	0.9163	1.0000	G	0.09	1.06	0.6162	1.0000
LBP	rs745144	20	NC	AHR	T	0.41	1.17	0.3802	1.0000	T	0.42	0.85	0.4527	1.0000	T	0.39	1.09	0.5131	1.0000	T	0.41	0.89	0.2945	1.0000	T	0.41	0.98	0.8319	1.0000
MYD88	rs156265	3	CNS	AHR	C	0.15	1.00	1.0000	1.0000	C	0.13	1.29	0.3859	1.0000	C	0.16	1.28	0.1348	1.0000	C	0.15	0.66	0.0101	0.0909	C	0.15	0.96	0.6770	1.0000
MYD88	rs2239621	3	NC	AHR	T	0.25	1.07	0.7531	1.0000	T	0.27	0.82	0.3990	1.0000	T	0.25	0.89	0.4259	1.0000	T	0.26	1.13	0.3057	1.0000	T	0.26	1.00	0.9472	1.0000
MYD88	rs7625290	3	NC	AHR	C	0.04	1.88	0.1412	1.0000	C	0.05	0.78	0.6166	1.0000	C	0.04	0.84	0.5550	1.0000	C	0.05	1.33	0.2365	1.0000	C	0.05	1.15	0.3803	1.0000
MYD88	rs6853	3	NC	AHR	G	0.11	1.13	0.6743	1.0000	G	0.12	0.70	0.3022	1.0000	G	0.11	0.90	0.5773	1.0000	G	0.12	1.35	0.0619	0.5575	G	0.12	1.08	0.4510	1.0000
MYD88	rs6796045	3	NC	AHR	A	0.07	0.81	0.5771	1.0000	A	0.07	0.50	0.1533	1.0000	A	0.07	0.88	0.5735	1.0000	A	0.07	1.35	0.1310	1.0000	A	0.07	1.01	0.9521	1.0000
NFKB1	rs747559	4	NC	AHR	G	0.38	1.02	0.9282	1.0000	G	0.39	1.08	0.7357	1.0000	G	0.39	0.87	0.2711	1.0000	G	0.40	1.00	0.9741	1.0000	G	0.39	0.97	0.6344	1.0000
NFKB1	rs3774932	4	NC	AHR	A	0.47	0.96	0.7932	1.0000	A	0.46	1.07	0.7505	1.0000	A	0.45	1.09	0.4958	1.0000	A	0.45	1.06	0.6203	1.0000	A	0.46	1.05	0.4823	1.0000
NFKB1	rs3774934	4	NC	AHR	A	0.10	0.83	0.5462	1.0000	A	0.11	1.23	0.5771	1.0000	A	0.09	1.28	0.1919	1.0000	A	0.10	1.11	0.5602	1.0000	A	0.10	1.13	0.2704	1.0000
NFKB1	rs1598857	4	NC	AHR	T	0.38	1.00	1.0000	1.0000	T	0.38	1.00	1.0000	1.0000	T	0.39	0.85	0.1768	1.0000	T	0.39	0.98	0.8753	1.0000	T	0.39	0.94	0.3778	1.0000
NFKB1	rs1598856	4	NC	AHR	T	0.47	0.94	0.7237	1.0000	T	0.46	1.07	0.7477	1.0000	T	0.45	1.10	0.4583	1.0000	T	0.45	1.04	0.7422	1.0000	T	0.45	1.04	0.5502	1.0000
NFKB1	rs230533	4	NC	AHR	A	0.33	1.06	0.7738	1.0000	A	0.33	1.18	0.4792	1.0000	A	0.32	0.86	0.2467	1.0000	A	0.34	1.04	0.7369	1.0000	A	0.33	0.99	0.9069	1.0000
NFKB1	rs4647992	4	NC	AHR	T	0.04	0.83	0.6696	1.0000	T	0.05	0.70	0.4657	1.0000	T	0.07	0.97	0.8964	1.0000	T	0.04	0.78	0.3714	1.0000	T	0.05	0.85	0.3098	1.0000
NFKB1	rs4648004	4	NC	AHR	C	0.36	1.03	0.8586	1.0000	C	0.34	0.96	0.8330	1.0000	C	0.35	1.03	0.8033	1.0000	C	0.34	1.03	0.8133	1.0000	C	0.34	1.02	0.7713	1.0000
NFKB1	rs230510	4	NC	AHR	A	0.46	0.97	0.8608	1.0000	A	0.45	1.04	0.8330	1.0000	A	0.44	1.16	0.2409	1.0000	A	0.44	1.07	0.5334	1.0000	A	0.45	1.08	0.2877	1.0000
NFKB1	rs4648022	4	NC	AHR	A	0.08	0.80	0.4556	1.0000	A	0.08	0.73	0.4319	1.0000	A	0.08	0.98	0.9165	1.0000	A	0.09	0.99	0.9696	1.0000	A	0.08	0.93	0.5269	1.0000
NFKB1	rs230542	4	NC	AHR	T	0.34	1.00	1.0000	1.0000	T	0.34	1.15	0.5583	1.0000	T	0.33	0.86	0.2143	1.0000	T	0.35	1.03	0.7753	1.0000	T	0.34	0.97	0.7153	1.0000
NFKB1	rs1598859	4	NC	AHR	C	0.35	1.05	0.7797	1.0000	C	0.35	1.12	0.6373	1.0000	C	0.34	0.82	0.1210	1.0000	C	0.37	1.00	0.9779	1.0000	C	0.36	0.95	0.5036	1.0000
NFKB1	rs11722146	4	NC	AHR	A	0.29	1.02	0.9244	1.0000	A	0.30	0.97	0.9055	1.0000	A	0.29	0.88	0.3335	1.0000	A	0.31	1.15	0.2404	1.0000	A	0.30	1.01	0.8513	1.0000
NFKB1	rs4648090	4	NC	AHR	A	0.14	1.00	1.0000	1.0000	A	0.12	0.95	0.8728	1.0000	A	0.13	0.93	0.6758	1.0000	A	0.13	0.77	0.1124	1.0000	A	0.13	0.88	0.2076	1.0000
NFKB1	rs4648110	4	NC	AHR	T	0.21	1.00	1.0000	1.0000	T	0.19	0.97	0.8946	1.0000	T	0.20	1.04	0.7717	1.0000	T	0.20	0.89	0.3918	1.0000	T	0.20	0.97	0.6874	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
NFKB1	rs230547	4	NC	AHR	A	0.09	0.83	0.5368	1.0000	A	0.11	1.42	0.3520	1.0000	A	0.10	1.16	0.4673	1.0000	A	0.09	1.12	0.5443	1.0000	A	0.10	1.11	0.3849	1.0000
NFKB1	rs997476	4	NC	AHR	A	0.06	1.40	0.3162	1.0000	A	0.06	1.27	0.5480	1.0000	A	0.07	1.16	0.5070	1.0000	A	0.06	1.05	0.8323	1.0000	A	0.06	1.16	0.2598	1.0000
NFKB2	rs7076748	10	NC	AHR	G	0.27	0.98	0.9146	1.0000	G	0.27	1.29	0.3167	1.0000	G	0.27	1.07	0.6314	1.0000	G	0.28	1.08	0.5161	1.0000	G	0.27	1.08	0.3271	1.0000
NFKB2	rs7897947	10	NC	AHR	G	0.21	0.95	0.8137	1.0000	G	0.22	1.82	0.0418	0.2508	G	0.22	1.20	0.2131	1.0000	G	0.21	1.06	0.6640	1.0000	G	0.21	1.14	0.1247	0.7482
NFKB2	rs1056890	10	NC	AHR	T	0.34	1.00	1.0000	1.0000	T	0.32	0.97	0.8946	1.0000	T	0.29	1.15	0.3169	1.0000	T	0.33	1.06	0.6263	1.0000	T	0.32	1.07	0.4029	1.0000
NFKBIA	rs7152826	14	NC	AHR	C	0.38	0.81	0.2483	1.0000	C	0.41	1.06	0.8161	1.0000	C	0.39	1.03	0.8018	1.0000	C	0.39	1.06	0.5871	1.0000	C	0.39	1.01	0.9227	1.0000
NFKBIA	rs3138056	14	NC	AHR	A	0.32	0.93	0.7103	1.0000	A	0.30	0.87	0.5583	1.0000	A	0.30	1.13	0.3935	1.0000	A	0.31	1.02	0.8547	1.0000	A	0.31	1.02	0.8138	1.0000
NFKBIA	rs3138055	14	NC	AHR	C	0.25	0.78	0.2249	1.0000	C	0.29	0.97	0.9042	1.0000	C	0.26	0.99	0.9456	1.0000	C	0.28	1.14	0.2636	1.0000	C	0.27	1.01	0.8620	1.0000
NFKBIA	rs696	14	NC	AHR	T	0.41	1.33	0.1014	1.0000	T	0.38	1.19	0.4364	1.0000	T	0.45	1.06	0.6573	1.0000	T	0.37	0.81	0.0640	1.0000	T	0.39	1.00	0.9910	1.0000
NFKBIA	rs2233419	14	NC	AHR	A	0.18	1.05	0.8273	1.0000	A	0.18	0.82	0.4835	1.0000	A	0.14	0.93	0.7103	1.0000	A	0.19	1.03	0.8278	1.0000	A	0.18	0.98	0.8582	1.0000
NFKBIA	rs10782383	14	CS	AHR	T	0.22	0.94	0.7557	1.0000	T	0.20	0.74	0.2754	1.0000	T	0.19	1.04	0.8096	1.0000	T	0.22	0.92	0.5296	1.0000	T	0.21	0.94	0.4463	1.0000
NFKBIA	rs1957106	14	CS	AHR	A	0.30	1.32	0.1501	1.0000						A	0.32	0.99	0.9475	1.0000	A	0.30	0.82	0.1066	1.0000	A	0.31	0.96	0.6046	1.0000
NFKBIA	rs2233407	14	NC	AHR	T	0.05	0.71	0.4131	1.0000	T	0.05	1.20	0.6696	1.0000	T	0.02	0.89	0.8083	1.0000	T	0.06	1.06	0.7953	1.0000	T	0.05	0.99	0.9449	1.0000
NFKBIA	rs3138052	14	NC	AHR	G	0.28	0.90	0.6116	1.0000	G	0.25	0.65	0.1074	1.0000											G	0.27	0.80	0.1661	1.0000
NFKBIA	rs3138045	14	NC	AHR	G	0.21	0.79	0.3045	1.0000	G	0.19	0.59	0.0916	1.0000	G	0.16	1.21	0.2460	1.0000	G	0.20	0.92	0.5261	1.0000	G	0.19	0.94	0.4859	1.0000
NFKBIB	rs7251489	19	NC	AHR	T	0.08	1.79	0.0762	1.0000	T	0.07	1.15	0.7053	1.0000	T	0.07	0.87	0.5633	1.0000	T	0.07	1.46	0.0750	1.0000	T	0.07	1.24	0.1032	1.0000
NFKBIB	rs10410544	19	NC	AHR	A	0.42	0.86	0.4051	1.0000	A	0.44	1.05	0.8273	1.0000	A	0.43	1.04	0.7180	1.0000	A	0.48	1.03	0.7614	1.0000	A	0.45	1.01	0.8727	1.0000
NFKBIB	rs4802998	19	NC	AHR	G	0.36	0.89	0.5174	1.0000	G	0.38	1.05	0.8208	1.0000	G	0.35	0.97	0.7979	1.0000	G	0.41	1.01	0.9126	1.0000	G	0.39	0.98	0.7997	1.0000
NFKBIB	rs2053071	19	NC	AHR	G	0.39	0.86	0.3910	1.0000	G	0.38	0.86	0.5021	1.0000	G	0.40	0.91	0.4530	1.0000	G	0.35	1.00	0.9914	1.0000	G	0.37	0.93	0.3188	1.0000
NFKBIB	rs4803006	19	NC	AHR	T	0.36	0.85	0.3969	1.0000	T	0.38	1.08	0.7357	1.0000	T	0.36	0.89	0.3699	1.0000	T	0.40	0.94	0.5943	1.0000	T	0.38	0.92	0.2829	1.0000
NFKBIB	rs2241704	19	NC	AHR	T	0.22	0.92	0.6920	1.0000	T	0.22	0.66	0.1002	1.0000	T	0.25	0.93	0.6086	1.0000	T	0.21	0.99	0.9438	1.0000	T	0.22	0.92	0.2940	1.0000
NFKBIB	rs3136641	19	NC	AHR	A	0.25	1.47	0.0626	1.0000	A	0.24	1.13	0.6170	1.0000	A	0.24	1.19	0.2203	1.0000	A	0.24	1.01	0.9128	1.0000	A	0.24	1.15	0.0959	1.0000
NFKBIB	rs3136646	19	NC	AHR	T	0.23	0.89	0.5599	1.0000	T	0.24	0.97	0.8981	1.0000	T	0.24	0.96	0.7681	1.0000	T	0.22	1.03	0.8144	1.0000	T	0.23	0.97	0.7576	1.0000
NFKBIB	rs9403	19	NC	AHR	G	0.38	1.07	0.7150	1.0000	G	0.35	0.81	0.3584	1.0000	G	0.36	1.08	0.5502	1.0000	G	0.33	1.08	0.5274	1.0000	G	0.35	1.04	0.5518	1.0000
NFKBIE	rs13296	6	CS	AHR	T	0.33	1.45	0.0496	0.5552	T	0.31	1.17	0.5285	1.0000	T	0.27	0.87	0.2951	1.0000	T	0.31	0.83	0.1329	1.0000	T	0.31	0.96	0.5649	1.0000
NFKBIE	rs1875324	6	CS	AHR											T	0.23	0.93	0.6510	1.0000						T	0.23	0.93	0.6510	1.0000
NFKBIE	rs520639	6	NC	AHR	A	0.13	1.20	0.4599	1.0000	A	0.14	0.79	0.5480	1.0000	A	0.13	0.98	0.9263	1.0000	A	0.12	0.87	0.4164	1.0000	A	0.13	0.96	0.6858	1.0000
NFKBIE	rs2282151	6	NC	AHR	G	0.21	0.93	0.7419	1.0000	G	0.21	0.97	0.8981	1.0000	G	0.25	1.08	0.6105	1.0000	G	0.23	1.16	0.2638	1.0000	G	0.22	1.07	0.3970	1.0000
NFKBIE	rs730775	6	NC	AHR	G	0.42	1.08	0.6572	1.0000	G	0.41	1.64	0.0355	0.3949	G	0.43	0.98	0.8504	1.0000	G	0.42	0.81	0.0609	0.6819	G	0.42	0.97	0.6198	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>NFKBIE</i>	rs483536	6	NC	AHR	A	0.33	0.77	0.2152	1.0000	A	0.38	0.81	0.3646	1.0000	A	0.32	0.98	0.8510	1.0000	A	0.36	1.10	0.4210	1.0000	A	0.35	0.98	0.7433	1.0000
<i>TICAM1</i>	rs1046673	19	NC	AHR	A	0.14	1.06	0.8026	1.0000	A	0.13	0.94	0.8575	1.0000	A	0.17	1.04	0.8084	1.0000	A	0.15	0.92	0.5712	1.0000	A	0.15	0.98	0.8647	1.0000
<i>TICAM1</i>	rs2292151	19	CS	AHR	A	0.23	1.58	0.0287	0.2308	A	0.26	1.00	1.0000	1.0000	A	0.24	1.00	1.0000	1.0000	A	0.24	1.02	0.8726	1.0000	A	0.24	1.08	0.3304	1.0000
<i>TICAM1</i>	rs4807651	19	NC	AHR	G	0.37	1.22	0.2729	1.0000	G	0.40	0.93	0.7357	1.0000	G	0.37	0.84	0.1829	1.0000	G	0.38	1.06	0.5789	1.0000	G	0.38	1.00	0.9679	1.0000
<i>TICAM1</i>	rs4807000	19	NC	AHR	A	0.38	0.94	0.7216	1.0000	A	0.39	1.10	0.6586	1.0000	A	0.40	1.25	0.0853	0.6766	A	0.40	0.95	0.6403	1.0000	A	0.39	1.05	0.5044	1.0000
<i>TIRAP</i>	rs594318	11	NC	AHR						C	0.23	0.71	0.2731	1.0000											C	0.23	0.71	0.2731	1.0000
<i>TIRAP</i>	rs591163	11	NC	AHR	T	0.23	0.92	0.6799	1.0000	T	0.22	0.97	0.8964	1.0000	T	0.28	1.05	0.6985	1.0000	T	0.23	0.99	0.9543	1.0000	T	0.23	1.00	0.9966	1.0000
<i>TIRAP</i>	rs672908	11	NC	AHR	G	0.23	0.96	0.8348	1.0000	G	0.22	0.93	0.7928	1.0000	G	0.28	1.05	0.6985	1.0000	G	0.23	0.99	0.9473	1.0000	G	0.23	1.00	0.9695	1.0000
<i>TIRAP</i>	rs671492	11	NC	AHR	T	0.25	1.04	0.8383	1.0000	T	0.26	1.21	0.4457	1.0000	T	0.21	0.99	0.9390	1.0000	T	0.24	1.00	0.9739	1.0000	T	0.24	1.02	0.7855	1.0000
<i>TIRAP</i>	rs10893493	11	NC	AHR	G	0.12	1.50	0.1367	1.0000	G	0.11	1.00	1.0000	1.0000	G	0.10	0.98	0.9146	1.0000	G	0.12	1.10	0.5631	1.0000	G	0.12	1.11	0.3411	1.0000
<i>TIRAP</i>	rs8177352	11	NC	AHR	C	0.20	0.76	0.2209	1.0000	C	0.19	0.95	0.8788	1.0000	C	0.24	1.03	0.8393	1.0000	C	0.20	0.76	0.0579	1.0000	C	0.20	0.88	0.1239	1.0000
<i>TIRAP</i>	rs595022	11	NC	AHR	A	0.24	1.11	0.6040	1.0000	A	0.26	0.72	0.2239	1.0000	A	0.22	0.86	0.3483	1.0000	A	0.27	1.17	0.1876	1.0000	A	0.25	1.02	0.8129	1.0000
<i>TIRAP</i>	rs646005	11	NC	AHR	G	0.39	0.86	0.3839	1.0000	G	0.38	0.98	0.9115	1.0000	A	0.52	0.94	0.6250	1.0000	G	0.40	0.80	0.0537	1.0000	G	0.40	0.91	0.1868	1.0000
<i>TIRAP</i>	rs1392060	11	NC	AHR	C	0.12	1.50	0.1367	1.0000	C	0.11	1.64	0.1370	1.0000	C	0.10	0.98	0.9146	1.0000	C	0.13	1.10	0.5458	1.0000	C	0.12	1.17	0.1474	1.0000
<i>TIRAP</i>	rs1893352	11	NC	AHR	C	0.15	0.87	0.5528	1.0000	C	0.16	1.00	1.0000	1.0000	C	0.20	1.04	0.7716	1.0000	C	0.17	0.71	0.0251	0.6026	C	0.17	0.88	0.1622	1.0000
<i>TIRAP</i>	rs8177371	11	NC	AHR	T	0.12	1.68	0.0496	1.0000	T	0.11	1.67	0.1119	1.0000	T	0.10	0.96	0.8366	1.0000						T	0.11	1.27	0.0990	1.0000
<i>TIRAP</i>	rs12272651	11	NC	AHR	G	0.05	0.67	0.2717	1.0000	G	0.04	1.17	0.7814	1.0000	G	0.05	1.00	1.0000	1.0000	G	0.03	1.11	0.7375	1.0000	G	0.04	0.96	0.8117	1.0000
<i>TLR1</i>	rs4543123	4	NC	AHR	G	0.21	1.32	0.1816	1.0000	G	0.24	0.97	0.8997	1.0000	G	0.20	0.86	0.3481	1.0000	G	0.21	0.76	0.0481	0.4325	G	0.21	0.90	0.2100	1.0000
<i>TLR1</i>	rs4833095	4	CNS	AHR	G	0.23	1.36	0.1309	1.0000	G	0.26	0.97	0.9013	1.0000	G	0.21	0.89	0.4372	1.0000	G	0.22	0.78	0.0628	0.5655	G	0.22	0.92	0.3130	1.0000
<i>TLR1</i>	rs5743611	4	CNS	AHR	C	0.11	0.88	0.6546	1.0000	C	0.12	0.78	0.4789	1.0000	C	0.08	0.97	0.9068	1.0000	C	0.09	1.01	0.9660	1.0000	C	0.10	0.94	0.6363	1.0000
<i>TLR1</i>	rs5743594	4	NC	AHR	T	0.20	1.05	0.8231	1.0000	T	0.18	0.86	0.5789	1.0000	T	0.22	0.97	0.8711	1.0000	T	0.21	1.28	0.0594	0.5344	T	0.20	1.10	0.2746	1.0000
<i>TLR1</i>	rs5743562	4	NC	AHR	C	0.16	1.17	0.4967	1.0000	C	0.19	1.04	0.8946	1.0000	C	0.15	0.82	0.2211	1.0000	C	0.17	0.89	0.4144	1.0000	C	0.17	0.92	0.3780	1.0000
<i>TLR1</i>	rs5743551	4	NC	AHR	C	0.23	1.24	0.2732	1.0000	C	0.25	1.09	0.7139	1.0000	C	0.21	0.86	0.3166	1.0000	C	0.22	0.79	0.0764	0.6875	C	0.23	0.91	0.2824	1.0000
<i>TLR1</i>	rs4833103	4	NC	AHR	G	0.48	1.21	0.3046	1.0000	G	0.48	0.97	0.9104	1.0000	G	0.47	0.93	0.5774	1.0000	G	0.46	0.96	0.7011	1.0000	G	0.47	0.98	0.8300	1.0000
<i>TLR10</i>	rs10008492	4	NC	AHR	T	0.38	1.03	0.8563	1.0000	T	0.40	0.85	0.4911	1.0000	T	0.33	0.86	0.2629	1.0000	T	0.34	0.90	0.3629	1.0000	T	0.36	0.90	0.1739	1.0000
<i>TLR10</i>	rs10776483	4	CS	AHR	C	0.19	0.93	0.7477	1.0000	C	0.20	0.88	0.6113	1.0000	C	0.17	0.90	0.4885	1.0000	C	0.19	0.85	0.2305	1.0000	C	0.19	0.88	0.1467	1.0000
<i>TLR10</i>	rs11096957	4	CNS	AHR	G	0.34	1.03	0.8563	1.0000	G	0.37	0.78	0.2916	1.0000	G	0.29	0.84	0.1923	1.0000	G	0.32	0.86	0.1886	1.0000	G	0.33	0.87	0.0673	0.5178
<i>TLR10</i>	rs10856838	4	CS	AHR	T	0.18	0.95	0.8185	1.0000	T	0.18	0.59	0.0916	0.7288	T	0.14	0.87	0.4572	1.0000	T	0.15	0.88	0.4019	1.0000	T	0.16	0.85	0.1129	0.8682
<i>TLR10</i>	rs4130727	4	NC	AHR	C	0.14	1.21	0.4529	1.0000	C	0.16	0.73	0.3294	1.0000	C	0.12	0.75	0.1893	1.0000	C	0.12	0.93	0.6457	1.0000	C	0.13	0.90	0.3355	1.0000

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Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
TLR10	rs10004195	4	NC	AHR	T	0.22	1.26	0.2635	1.0000	T	0.24	1.10	0.7098	1.0000	T	0.20	0.85	0.3078	1.0000	T	0.21	0.78	0.0689	0.5108	T	0.22	0.91	0.2651	1.0000
TLR2	rs13150331	4	NC	AHR	G	0.43	0.95	0.7884	1.0000	G	0.43	0.80	0.3519	1.0000	G	0.43	1.05	0.6672	1.0000	G	0.40	0.88	0.2453	1.0000	G	0.42	0.94	0.3760	1.0000
TLR2	rs1898830	4	NC	AHR	G	0.36	0.89	0.5244	1.0000	G	0.36	0.70	0.1323	1.0000	G	0.33	1.02	0.8498	1.0000	G	0.32	0.90	0.3805	1.0000	G	0.34	0.92	0.2400	1.0000
TLR2	rs4696483	4	NC	AHR	T	0.13	1.20	0.4999	1.0000	T	0.13	1.00	1.0000	1.0000	T	0.11	1.22	0.3499	1.0000	T	0.13	1.26	0.1463	1.0000	T	0.12	1.21	0.0811	0.9727
TLR2	rs3804100	4	CS	AHR	G	0.07	0.94	0.8618	1.0000	G	0.08	1.25	0.5633	1.0000	G	0.05	1.00	1.0000	1.0000	G	0.07	0.74	0.1817	1.0000	G	0.07	0.89	0.4505	1.0000
TLR2	rs5743704	4	CNS	AHR	T	0.04	1.08	0.8415	1.0000	T	0.04	2.00	0.1924	1.0000	T	0.04	0.71	0.2463	1.0000	T	0.04	1.26	0.3642	1.0000	T	0.04	1.07	0.6815	1.0000
TLR2	rs7656411	4	NC	AHR	C	0.24	1.10	0.6625	1.0000	C	0.25	1.50	0.1057	1.0000	C	0.28	0.86	0.2388	1.0000	C	0.27	0.92	0.4996	1.0000	C	0.26	0.96	0.6390	1.0000
TLR2	rs1339	4	CNS	AHR	G	0.20	1.00	1.0000	1.0000	G	0.20	0.91	0.7098	1.0000	G	0.22	1.13	0.4106	1.0000	G	0.22	1.13	0.3543	1.0000	G	0.21	1.08	0.3494	1.0000
TLR2	rs2289318	4	NC	AHR	C	0.22	0.93	0.7449	1.0000	C	0.20	1.23	0.4747	1.0000	C	0.18	1.01	0.9347	1.0000	C	0.20	1.11	0.4289	1.0000	C	0.20	1.06	0.5133	1.0000
TLR3	rs956239	4	NC	AHR	A	0.16	0.63	0.0657	1.0000	A	0.18	1.07	0.7928	1.0000	A	0.19	1.21	0.1773	1.0000	A	0.16	0.92	0.5895	1.0000	A	0.17	0.99	0.9543	1.0000
TLR3	rs6822014	4	NC	AHR	C	0.21	1.30	0.2322	1.0000	C	0.20	0.87	0.6472	1.0000	C	0.19	0.85	0.2644	1.0000	C	0.20	1.00	0.9980	1.0000	C	0.20	0.97	0.7570	1.0000
TLR3	rs11721827	4	NC	AHR	G	0.15	1.13	0.6743	1.0000	G	0.14	0.93	0.7855	1.0000	G	0.13	1.16	0.4452	1.0000	G	0.16	1.30	0.0737	1.0000	G	0.15	1.18	0.0956	1.0000
TLR3	rs3775296	4	NC	AHR	T	0.20	1.34	0.1843	1.0000	T	0.19	1.00	1.0000	1.0000	T	0.19	0.85	0.2644	1.0000	T	0.19	0.90	0.4385	1.0000	T	0.19	0.95	0.5358	1.0000
TLR3	rs3775291	4	CNS	AHR	T	0.30	1.14	0.4984	1.0000	T	0.32	1.18	0.4474	1.0000	T	0.29	1.17	0.2349	1.0000	T	0.29	0.98	0.8386	1.0000	T	0.30	1.09	0.2797	1.0000
TLR3	rs10025405	4	NC	AHR	G	0.45	1.14	0.4687	1.0000	G	0.44	1.00	1.0000	1.0000	G	0.41	0.95	0.7054	1.0000	G	0.44	0.99	0.9371	1.0000	G	0.43	1.00	0.9839	1.0000
TLR3	rs4862633	4	NC	AHR	A	0.23	0.91	0.6288	1.0000	A	0.23	0.83	0.4999	1.0000	A	0.26	0.95	0.6844	1.0000	A	0.24	0.97	0.8064	1.0000	A	0.24	0.94	0.4285	1.0000
TLR3	rs4608848	4	NC	AHR	C	0.38	1.05	0.7948	1.0000	C	0.36	0.77	0.2266	1.0000	C	0.36	0.98	0.8498	1.0000	C	0.39	1.03	0.7773	1.0000	C	0.37	0.99	0.8326	1.0000
TLR3	rs1519309	4	NC	AHR	G	0.34	0.90	0.5376	1.0000	G	0.35	0.77	0.2266	1.0000	G	0.37	0.91	0.4277	1.0000	G	0.35	1.08	0.4823	1.0000	G	0.35	0.95	0.5091	1.0000
TLR4	rs10759930	9	NC	AHR	T	0.42	1.00	1.0000	1.0000	T	0.40	1.25	0.2913	1.0000	T	0.37	1.09	0.5149	1.0000	T	0.38	0.85	0.1625	1.0000	T	0.39	0.99	0.8605	1.0000
TLR4	rs2737191	9	NC	AHR	G	0.26	1.28	0.2040	1.0000	G	0.27	0.86	0.4967	1.0000	G	0.26	0.95	0.6858	1.0000	G	0.28	1.23	0.0798	1.0000	G	0.27	1.09	0.2503	1.0000
TLR4	rs2770150	9	NC	AHR	G	0.26	1.30	0.1733	1.0000	G	0.27	0.86	0.4967	1.0000	G	0.26	1.16	0.6392	1.0000	G	0.28	1.24	0.0709	1.0000	G	0.27	1.18	0.0677	1.0000
TLR4	rs1927914	9	NC	AHR	C	0.32	0.77	0.1813	1.0000	C	0.33	0.91	0.6662	1.0000	C	0.37	0.96	0.7523	1.0000	C	0.34	0.97	0.8193	1.0000	C	0.34	0.93	0.3239	1.0000
TLR4	rs1927911	9	NC	AHR	A	0.24	0.76	0.2052	1.0000	A	0.26	0.80	0.3107	1.0000	A	0.27	0.98	0.8892	1.0000	A	0.26	1.11	0.4110	1.0000	A	0.26	0.97	0.7055	1.0000
TLR4	rs11536878	9	NC	AHR	T	0.11	0.83	0.4999	1.0000	T	0.13	0.95	0.8788	1.0000	T	0.11	1.14	0.5268	1.0000	T	0.12	1.18	0.3116	1.0000	T	0.12	1.08	0.5065	1.0000
TLR4	rs1927907	9	NC	AHR	T	0.14	0.77	0.3757	1.0000	T	0.13	0.65	0.1927	1.0000	T	0.15	0.86	0.3907	1.0000	T	0.14	1.01	0.9441	1.0000	T	0.14	0.89	0.2398	1.0000
TLR4	rs11536889	9	NC	AHR	C	0.15	0.88	0.6170	1.0000	C	0.16	1.12	0.6858	1.0000	C	0.17	0.94	0.6935	1.0000	C	0.14	0.97	0.8363	1.0000	C	0.15	0.96	0.6827	1.0000
TLR4	rs7873784	9	NC	AHR	C	0.15	0.63	0.0657	1.0000	C	0.16	0.75	0.2842	1.0000	C	0.16	1.01	0.9319	1.0000	C	0.16	1.19	0.2378	1.0000	C	0.16	0.97	0.7810	1.0000
TLR4	rs11536897	9	NC	AHR	T	0.04	1.22	0.6545	1.0000	T	0.05	0.50	0.1230	1.0000	T	0.07	1.06	0.8136	1.0000	T	0.05	1.14	0.5796	1.0000	T	0.05	1.02	0.8995	1.0000
TLR4	rs1927906	9	NC	AHR	C	0.09	0.92	0.7728	1.0000	C	0.08	1.40	0.4131	1.0000	C	0.13	0.83	0.3308	1.0000	C	0.10	0.83	0.3077	1.0000	C	0.10	0.88	0.2657	1.0000

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Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
TLR4	rs1554973	9	NC	AHR	C	0.25	0.70	0.0803	1.0000	C	0.24	0.92	0.7179	1.0000	C	0.29	0.93	0.5772	1.0000	C	0.26	1.03	0.7889	1.0000	C	0.26	0.93	0.3457	1.0000
TLR4	rs913930	9	NC	AHR	C	0.33	1.23	0.2826	1.0000	C	0.35	0.85	0.4527	1.0000	C	0.34	0.97	0.8448	1.0000	C	0.36	1.13	0.2836	1.0000	C	0.34	1.05	0.4648	1.0000
TLR4	rs1927905	9	NC	AHR	G	0.04	1.30	0.5310	1.0000	G	0.06	0.64	0.2952	1.0000	G	0.08	1.08	0.7289	1.0000	G	0.06	1.16	0.5297	1.0000	G	0.06	1.07	0.6451	1.0000
TLR4	rs7045953	9	NC	AHR	C	0.16	0.63	0.0657	1.0000	C	0.16	0.81	0.4222	1.0000	C	0.16	1.00	1.0000	1.0000	C	0.16	1.19	0.2265	1.0000	C	0.16	0.98	0.8362	1.0000
TLR5	rs2241096	1	NC	AHR	A	0.10	0.91	0.7630	1.0000	A	0.11	1.69	0.1260	1.0000	A	0.09	1.20	0.3932	1.0000	A	0.10	0.91	0.6116	1.0000	A	0.10	1.07	0.5656	1.0000
TLR5	rs2096141	1	NC	AHR	T	0.47	0.92	0.6572	1.0000	T	0.49	0.98	0.9115	1.0000	T	0.48	0.83	0.1142	1.0000	T	0.47	1.07	0.5326	1.0000	T	0.48	0.95	0.4566	1.0000
TLR5	rs5744105	1	NC	AHR	G	0.48	0.97	0.8628	1.0000	C	0.49	0.97	0.9104	1.0000	C	0.50	1.11	0.3839	1.0000	G	0.49	1.08	0.4686	1.0000	G	0.49	0.99	0.9265	1.0000
TLR5	rs5744097	1	NC	AHR	A	0.04	1.22	0.6545	1.0000	A	0.04	1.60	0.4033	1.0000	A	0.03	0.73	0.4314	1.0000	A	0.04	1.19	0.5115	1.0000	A	0.04	1.11	0.5812	1.0000
TLR6	rs7696175	4	NC	AHR	A	0.43	0.97	0.8514	1.0000	A	0.42	1.08	0.7324	1.0000	A	0.45	1.05	0.7065	1.0000	A	0.45	1.06	0.5870	1.0000	A	0.44	1.04	0.5441	1.0000
TLR6	rs5743810	4	CNS	AHR	T	0.41	0.92	0.6380	1.0000	T	0.40	1.13	0.6224	1.0000						T	0.44	1.07	0.5601	1.0000	T	0.43	1.04	0.6740	1.0000
TLR6	rs1039559	4	NC	AHR	C	0.47	0.97	0.8575	1.0000	C	0.45	1.00	1.0000	1.0000	T	0.50	0.91	0.7630	1.0000	C	0.49	1.01	0.9184	1.0000	C	0.48	1.01	0.9380	1.0000
TLR6	rs5743806	4	NC	AHR	G	0.34	0.97	0.8539	1.0000	G	0.33	0.89	0.6373	1.0000	G	0.34	1.22	0.1496	1.0000	G	0.31	1.16	0.1952	1.0000	G	0.32	1.11	0.1591	1.0000
TLR6	rs5743794	4	NC	AHR	A	0.17	1.00	1.0000	1.0000	A	0.19	1.04	0.8907	1.0000	A	0.16	0.76	0.0968	0.8712	A	0.17	0.87	0.3504	1.0000	A	0.17	0.87	0.1384	1.0000
TLR6	rs6531670	4	NC	AHR	G	0.34	0.97	0.8539	1.0000	G	0.33	0.95	0.8137	1.0000	G	0.34	1.22	0.1496	1.0000	G	0.31	1.15	0.2358	1.0000	G	0.32	1.11	0.1575	1.0000
TLR9	rs352163	3	NC	AHR	G	0.46	0.98	0.9304	1.0000	G	0.45	1.23	0.3584	1.0000	G	0.44	1.30	0.0315	0.2396	G	0.48	1.10	0.3839	1.0000	G	0.46	1.15	0.0417	0.3179
TLR9	rs352140	3	CS	AHR	C	0.46	0.98	0.9304	1.0000	C	0.45	1.11	0.6505	1.0000	C	0.43	1.24	0.0774	0.5879	C	0.47	1.10	0.3663	1.0000	C	0.46	1.13	0.0891	0.6798
TLR9	rs187084	3	NC	AHR	G	0.41	0.80	0.2082	1.0000	G	0.41	0.71	0.1257	0.9541	G	0.42	0.77	0.0345	0.2618	G	0.39	0.91	0.3750	1.0000	G	0.40	0.82	0.0055	0.0418
TLR9	rs352143	3	CS	AHR	G	0.20	1.11	0.6547	1.0000	G	0.20	1.29	0.3859	1.0000	G	0.21	0.86	0.2666	1.0000	G	0.21	0.98	0.8506	1.0000	G	0.21	0.97	0.7097	1.0000
TLR9	rs11717574	3	NC	AHR	C	0.16	1.36	0.2175	1.0000	C	0.15	1.79	0.0762	0.5781	C	0.15	1.03	0.8720	1.0000	C	0.16	0.89	0.4254	1.0000	C	0.16	1.05	0.5732	1.0000
TOLLIP	rs3750919	11	NC	AHR	A	0.25	0.82	0.3503	1.0000	A	0.20	0.92	0.7728	1.0000	A	0.23	0.97	0.8196	1.0000	A	0.23	0.83	0.1534	1.0000	A	0.23	0.88	0.1259	1.0000
TOLLIP	rs5744038	11	NC	AHR	C	0.06	1.33	0.3972	1.0000	C	0.07	3.67	0.0275	1.0000	C	0.03	1.67	0.1344	1.0000	C	0.07	0.59	0.0365	1.0000	C	0.06	1.06	0.7239	1.0000
TOLLIP	rs3829223	11	NC	AHR						G	0.47	0.91	0.7008	1.0000	G	0.45	1.18	0.1725	1.0000	G	0.48	0.90	0.3214	1.0000	G	0.47	1.00	0.9448	1.0000
TOLLIP	rs3793964	11	NC	AHR	A	0.39	0.83	0.3088	1.0000	A	0.34	0.62	0.1070	1.0000	A	0.36	1.10	0.4531	1.0000	A	0.37	0.94	0.6170	1.0000	A	0.37	0.95	0.4863	1.0000
TOLLIP	rs3793966	11	NC	AHR											G	0.45	1.17	0.1928	1.0000						G	0.45	1.17	0.1928	1.0000
TOLLIP	rs3750920	11	CS	AHR	T	0.42	1.26	0.2388	1.0000	T	0.47	0.97	0.9055	1.0000	T	0.49	0.97	0.7946	1.0000						T	0.46	1.03	0.7299	1.0000
TOLLIP	rs5743961	11	NC	AHR	T	0.04	1.00	1.0000	1.0000	T	0.05	0.83	0.7629	1.0000	T	0.05	0.93	0.7815	1.0000	T	0.05	0.90	0.6906	1.0000	T	0.05	0.92	0.6059	1.0000
TOLLIP	rs5743955	11	NC	AHR	T	0.05	0.79	0.5480	1.0000	T	0.04	0.60	0.4772	1.0000	T	0.05	0.73	0.2095	1.0000	T	0.05	1.07	0.7765	1.0000	T	0.05	0.85	0.3141	1.0000
TOLLIP	rs5743942	11	NC	AHR	T	0.49	0.79	0.2045	1.0000	T	0.47	0.94	0.7995	1.0000	C	0.50	0.89	0.3601	1.0000						T	0.49	1.00	0.9624	1.0000
TOLLIP	rs11042484	11	NC	AHR	A	0.09	0.91	0.7576	1.0000	A	0.07	0.92	0.8348	1.0000	A	0.06	1.00	1.0000	1.0000	A	0.08	1.14	0.5121	1.0000	A	0.08	1.03	0.8096	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 3 Caucasian

Gene	SNP	Chr	Func	Phen	CAPPS					SAGE					SLSJ					Busselton					Combined				
					All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP	All	Fre	OR	P	cP
<i>TOLLIP</i>	rs5743925	11	NC	AHR	C	0.01	*	0.0085	0.3333	C	0.01	1.00	1.0000	1.0000	C	0.02	0.90	0.8185	1.0000	C	0.01	0.88	0.8419	1.0000	C	0.01	0.68	0.2651	1.0000
<i>TOLLIP</i>	rs5743915	11	NC	AHR	A	0.41	0.88	0.4723	1.0000	A	0.39	1.03	0.9104	1.0000	A	0.41	0.56	0.0555	1.0000	A	0.42	0.97	0.7565	1.0000	A	0.41	0.91	0.2850	1.0000
<i>TOLLIP</i>	rs5743900	11	NC	AHR	G	0.21	0.89	0.5875	1.0000	G	0.17	1.00	1.0000	1.0000	G	0.21	0.90	0.5106	1.0000	G	0.20	0.86	0.2697	1.0000	G	0.20	0.89	0.1887	1.0000
<i>TOLLIP</i>	rs5743899	11	NC	AHR	C	0.18	1.03	0.9042	1.0000	C	0.19	1.17	0.5714	1.0000	C	0.15	1.49	0.0267	1.0000	C	0.19	0.84	0.2318	1.0000	C	0.18	1.06	0.5248	1.0000
<i>TOLLIP</i>	rs5743894	11	NC	AHR	C	0.16	1.00	1.0000	1.0000	C	0.17	0.96	0.8907	1.0000	C	0.19	0.98	0.8821	1.0000	C	0.18	1.16	0.2803	1.0000	C	0.18	1.05	0.5854	1.0000
<i>TOLLIP</i>	rs5743890	11	NC	AHR	C	0.13	1.13	0.6743	1.0000	C	0.17	0.88	0.6681	1.0000	C	0.16	0.90	0.5106	1.0000	C	0.16	1.12	0.4429	1.0000	C	0.16	1.01	0.8983	1.0000
<i>TOLLIP</i>	rs5743867	11	NC	AHR	G	0.08	0.67	0.3157	1.0000	G	0.08	0.42	0.0317	1.0000	G	0.07	1.76	0.0221	0.8792	G	0.07	1.03	0.8759	1.0000	G	0.07	1.04	0.7585	1.0000
<i>TOLLIP</i>	rs5743856	11	NC	AHR	G	0.03	1.14	0.7962	1.0000	G	0.03	3.00	0.3063	1.0000	G	0.02	1.81	0.1560	1.0000	G	0.03	0.31	0.0089	0.3487	G	0.03	0.91	0.6819	1.0000
<i>TOLLIP</i>	rs5743854	11	NC	AHR	G	0.10	0.84	0.6119	1.0000	G	0.11	0.50	0.0803	1.0000	G	0.09	1.79	0.0070	0.2766	G	0.10	0.79	0.2346	1.0000	G	0.10	1.01	0.9220	1.0000
<i>TOLLIP</i>	rs5743851	11	NC	AHR	C	0.09	0.67	0.2044	1.0000	C	0.09	0.83	0.6696	1.0000	C	0.13	0.95	0.8252	1.0000	C	0.08	0.98	0.9211	1.0000	C	0.09	0.90	0.4042	1.0000
<i>TRAF6</i>	rs331463	11	NC	AHR	T	0.16	1.00	1.0000	1.0000	T	0.17	0.92	0.7728	1.0000	T	0.15	1.13	0.4892	1.0000	T	0.17	1.23	0.1456	1.0000	T	0.16	1.12	0.2230	1.0000
<i>TRAF6</i>	rs3740961	11	NC	AHR	C	0.13	1.16	0.5470	1.0000	C	0.14	1.00	1.0000	1.0000	C	0.13	1.10	0.5868	1.0000	C	0.12	1.17	0.3325	1.0000	C	0.12	1.13	0.2407	1.0000
<i>TRAF6</i>	rs5030472	11	NC	AHR	T	0.11	1.07	0.7995	1.0000	T	0.12	0.70	0.3022	1.0000	T	0.13	1.16	0.4203	1.0000	T	0.12	1.32	0.0830	1.0000	T	0.12	1.15	0.1744	1.0000
<i>TRAF6</i>	rs4755453	11	NC	AHR	C	0.16	0.98	0.9156	1.0000	C	0.17	0.79	0.4049	1.0000	C	0.15	1.14	0.4415	1.0000	C	0.17	1.21	0.1909	1.0000	C	0.17	1.09	0.3531	1.0000
<i>TRAF6</i>	rs5030419	11	NC	AHR	C	0.12	0.73	0.2663	1.0000	C	0.13	1.14	0.7149	1.0000	C	0.13	1.07	0.7126	1.0000	C	0.11	0.89	0.5090	1.0000	C	0.12	0.94	0.5993	1.0000
<i>TRAF6</i>	rs5030416	11	NC	AHR	C	0.14	0.93	0.7892	1.0000	C	0.13	1.58	0.2067	1.0000	C	0.14	1.05	0.7868	1.0000	C	0.12	0.93	0.6611	1.0000	C	0.13	1.02	0.8782	1.0000
<i>TRAF6</i>	rs5030411	11	NC	AHR	G	0.40	0.86	0.3765	1.0000	G	0.40	0.85	0.4792	1.0000	G	0.42	1.01	0.9533	1.0000	G	0.38	1.15	0.2117	1.0000	G	0.39	1.02	0.7978	1.0000
<i>TRAF6</i>	rs5030489	11	NC	AHR	G	0.07	1.00	1.0000	1.0000	G	0.07	0.71	0.4131	1.0000	G	0.08	0.76	0.2041	1.0000						G	0.08	0.80	0.1876	1.0000
<i>TRAF6</i>	rs5030403	11	NC	AHR	A	0.13	1.05	0.8185	1.0000	A	0.14	0.73	0.2957	1.0000	A	0.13	1.12	0.5374	1.0000	A	0.14	1.34	0.0568	1.0000	A	0.14	1.14	0.1915	1.0000
<i>TRAF6</i>	rs5030488	11	NC	AHR	G	0.10	0.73	0.2957	1.0000	G	0.11	0.89	0.7315	1.0000	G	0.13	0.90	0.5496	1.0000	G	0.10	1.18	0.3569	1.0000	G	0.11	0.97	0.7518	1.0000
<i>TRAF6</i>	rs331455	11	NC	AHR	G	0.26	0.86	0.4369	1.0000	G	0.27	0.80	0.3453	1.0000	G	0.27	0.99	0.9486	1.0000	G	0.26	1.22	0.0979	1.0000	G	0.27	1.03	0.7041	1.0000

*Indicates rare allele for which stable OR estimates are not available. Empty cells indicate that estimates are unavailable for the sample. **Indicates SNPs with prior evidence for association (these SNPs have only been corrected for the number of phenotypes tested). The “Func” column describes the function of the SNP as being non-coding (NC), coding non-synonymous (CNS), non-synonymous (NS), or coding synonymous (CS). The “Phen” column corresponds to the phenotype and can be one of asthma (Ast), atopy (Ato), atopic asthma (AA), or airway hyper-responsiveness (AHR).

Supplementary Table 4: Main Effects of Viral Exposure, estimates are provided for the combined sample as well as each of the two recruitment centers (Vancouver and Winnipeg). The combined analysis included adjustment for intervention group and recruitment center, and the stratified analyses were adjusted for recruitment center.

Phenotype	Time-point	Virus	Combined (n=280)*				Vancouver (n=125)**				Winnipeg (n=155)**			
			OR	Lower CI	Upper CI	P	OR	Lower CI	Upper CI	P	OR	Lower CI	Upper CI	P
Asthma	12 months	RSV	1.15	0.63	2.1	0.658	1.06	0.44	2.56	0.898	1.23	0.53	2.82	0.63
	24 months		0.82	0.48	1.39	0.461	1.49	0.61	3.64	0.387	0.57	0.29	1.13	0.109
	7 years		1.05	0.57	1.94	0.885	0.93	0.3	2.86	0.901	1.1	0.52	2.31	0.805
Atopy	12 months		0.68	0.38	1.2	0.183	0.82	0.37	1.84	0.635	0.57	0.26	1.26	0.166
	24 months		0.9	0.48	1.69	0.748	1.2	0.46	3.16	0.707	0.74	0.32	1.68	0.472
	7 years		0.86	0.52	1.43	0.556	0.85	0.37	1.93	0.691	0.87	0.45	1.67	0.672
AHR	7 years		0.79	0.47	1.33	0.38	0.77	0.35	1.72	0.529	0.81	0.4	1.61	0.539
Atopic Asthma	7 years		0.86	0.41	1.83	0.699	0.82	0.19	3.5	0.793	0.88	0.37	2.12	0.775
Asthma	12 months	picornavirus	1.01	0.54	1.88	0.977	0.93	0.36	2.41	0.883	1.07	0.47	2.44	0.872
	24 months		1.02	0.59	1.77	0.942	0.76	0.28	2.04	0.587	1.2	0.61	2.36	0.602
	7 years		0.73	0.39	1.37	0.325	0.9	0.27	3.03	0.859	0.66	0.32	1.4	0.281
Atopy	12 months		0.84	0.48	1.48	0.551	1.01	0.43	2.4	0.975	0.73	0.34	1.56	0.415
	24 months		1.17	0.6	2.26	0.646	3.53	0.78	16.03	0.102	0.75	0.33	1.67	0.479
	7 years		1.03	0.61	1.75	0.912	0.89	0.36	2.24	0.811	1.13	0.59	2.17	0.711
AHR	7 years		1.12	0.65	1.94	0.68	0.99	0.4	2.45	0.982	1.23	0.61	2.45	0.562
Atopic Asthma	7 years		0.83	0.39	1.77	0.625	1.98	0.23	17.12	0.535	0.68	0.29	1.62	0.385
Asthma	12 months	PIV	1.11	0.61	2.05	0.73	0.72	0.3	1.72	0.452	1.85	0.7	4.88	0.211
	24 months		0.54	0.31	0.94	0.028	0.29	0.1	0.82	0.019	0.75	0.37	1.52	0.429
	7 years		1.56	0.83	2.93	0.164	2.1	0.64	6.91	0.222	1.35	0.63	2.91	0.444
Atopy	12 months		1.3	0.74	2.27	0.361	1.51	0.68	3.37	0.311	1.11	0.5	2.49	0.791
	24 months		0.97	0.51	1.84	0.92	0.94	0.36	2.45	0.896	1	0.42	2.36	0.993
	7 years		1.13	0.67	1.9	0.642	0.78	0.35	1.7	0.527	1.57	0.78	3.15	0.202
AHR	7 years		1.02	0.6	1.74	0.947	0.84	0.38	1.85	0.669	1.23	0.58	2.58	0.589
Atopic Asthma	7 years		1.75	0.81	3.77	0.155	1.29	0.31	5.44	0.724	1.94	0.79	4.73	0.148

* model: phenotype~virus+centre+intervention

* *model: phenotype~virus+intervention

Supplementary Table 5 Significant Viral Interactions (Case-Control Design) Asthma, Atopy, Atopic Asthma, and AHR at 7 years adjusted for recruitment center and intervention group. *Indicates permutation p-value (30,000 permutations). Shaded rows indicate SNPs which are significant in both case-control and family based (trio) analyses.

Phenotype	VIRUS	SNP	Gene	Main Effect of SNP		Main Effect of Virus		Interaction Virus*SNP		
				OR(95% CI)	p-value	OR(95% CI)	p-value	OR(95% CI)	p-value	pp-value*
Asthma	Picornavirus	rs3218979	IL1R2	2.96(1.06-8.25)	0.039	1.10(0.52-2.35)	0.801	0.19(0.05-0.70)	0.013	0.0362
		rs4608848	TLR3	3.69(1.62-8.41)	0.002	2.05(0.67-6.24)	0.206	0.27(0.10-0.76)	0.013	0.0151
		rs543810	IL18	0.14(0.02-1.12)	0.064	0.46(0.22-0.94)	0.034	12.33(1.30-116.66)	0.028	0.0117
		rs5744105	TLR5	0.38(0.19-0.79)	0.009	0.28(0.10-0.78)	0.015	2.71(1.07-6.84)	0.035	0.0370
		rs745144	LBP	0.41(0.19-0.89)	0.023	0.31(0.12-0.81)	0.017	2.78(1.07-7.25)	0.037	0.0360
		rs2282151	NFKBIE	0.21(0.06-0.74)	0.015	0.47(0.22-0.97)	0.041	4.82(1.09-21.36)	0.038	0.0210
		rs13296	NFKBIE	2.24(1.05-4.78)	0.037	1.51(0.56-4.09)	0.415	0.36(0.14-0.95)	0.040	0.0539
		rs1143627	IL1B	2.17(1.07-4.40)	0.032	1.48(0.55-3.97)	0.434	0.39(0.15-0.97)	0.043	0.0560
		rs16944	IL1B	2.17(1.07-4.40)	0.032	1.48(0.55-3.97)	0.434	0.39(0.15-0.97)	0.043	0.0581
Asthma	PIV	rs11721827	TLR3	4.49(1.60-12.63)	0.004	1.03(0.47-2.29)	0.935	0.27(0.07-0.99)	0.048	0.0951
		rs13150331	TLR2	1.50(0.78-2.88)	0.225	4.53(1.60-12.81)	0.004	0.28(0.11-0.75)	0.012	0.0077
		rs392503	IL1RN	0.72(0.35-1.48)	0.369	0.86(0.36-2.07)	0.744	3.52(1.26-9.85)	0.017	0.0164
		rs7076748	NFKB2	0.68(0.32-1.44)	0.315	0.74(0.29-1.90)	0.526	3.34(1.21-9.25)	0.020	0.0193
		rs10515921	IL18R1	0.41(0.13-1.35)	0.144	1.14(0.55-2.37)	0.728	5.63(1.29-24.50)	0.021	0.0226
		rs1056890	NFKB2	0.97(0.51-1.86)	0.934	3.12(1.33-7.35)	0.009	0.29(0.10-0.86)	0.026	0.0166
		rs598859	IL1RN	0.76(0.37-1.56)	0.461	0.96(0.41-2.25)	0.919	3.07(1.11-8.49)	0.030	0.0256
		rs1598859	NFKB1	0.46(0.23-0.96)	0.038	0.84(0.34-2.11)	0.715	3.00(1.11-8.07)	0.030	0.0343
		rs315931	IL1RN	0.58(0.28-1.19)	0.136	0.89(0.38-2.13)	0.800	3.03(1.11-8.29)	0.031	0.0285
		rs1794067	IL1RN	0.75(0.36-1.53)	0.425	0.96(0.41-2.26)	0.922	2.98(1.07-8.26)	0.036	0.0381
		rs1144911	IRAK2	0.58(0.29-1.18)	0.135	0.74(0.26-2.07)	0.566	2.68(1.03-6.95)	0.043	0.0384
Asthma	RSV	rs1143634	IL1B	2.62(1.30-5.25)	0.007	2.84(1.19-6.77)	0.019	0.34(0.12-0.98)	0.045	0.0660
		rs543810	IL18	0.19(0.04-0.83)	0.027	0.57(0.27-1.20)	0.138	17.70(2.86-109.42)	0.002	0.0006
		rs11465567	IL18R1	0.32(0.09-1.09)	0.068	0.68(0.34-1.38)	0.289	9.24(1.81-47.22)	0.008	0.0047
		rs11465572	IL18R1	0.31(0.09-1.06)	0.063	0.68(0.34-1.37)	0.282	9.08(1.79-45.95)	0.008	0.0044
		rs1946131	IL1RL1	0.31(0.09-1.06)	0.063	0.68(0.34-1.37)	0.282	9.08(1.79-45.95)	0.008	0.0051
		rs1143634	IL1B	2.91(1.47-5.79)	0.002	2.12(0.92-4.92)	0.079	0.25(0.08-0.76)	0.014	0.0235
		rs11465597	IL18R1	0.43(0.14-1.27)	0.125	0.71(0.35-1.43)	0.337	6.54(1.45-29.48)	0.015	0.0147

		rs3771156	IL18RAP	1.62(0.84-3.16)	0.152	2.00(0.87-4.57)	0.101	0.23(0.07-0.76)	0.016	0.0135
		rs3771172	IL18R1	1.63(0.84-3.16)	0.151	1.97(0.86-4.50)	0.107	0.24(0.07-0.80)	0.020	0.0170
		rs2289318	TLR2	1.76(0.85-3.63)	0.128	1.80(0.82-3.94)	0.142	0.22(0.06-0.83)	0.025	0.0227
		rs5743890	TOLLIP	0.56(0.24-1.31)	0.181	0.65(0.30-1.40)	0.274	4.09(1.19-14.06)	0.025	0.0440
		rs1041973	IL1RL1	0.67(0.33-1.38)	0.276	0.53(0.22-1.26)	0.151	3.44(1.16-10.16)	0.026	0.0337
		rs3138056	NFKBIA	0.83(0.46-1.51)	0.542	0.48(0.18-1.26)	0.137	2.77(1.09-7.01)	0.032	0.0424
		rs6853	MYD88	0.99(0.40-2.46)	0.976	0.68(0.31-1.48)	0.335	4.62(1.14-18.82)	0.033	0.0684
		rs949963	IL1R1	0.77(0.35-1.69)	0.512	0.56(0.24-1.33)	0.192	3.57(1.10-11.57)	0.034	0.0439
		rs913930	TLR4	0.49(0.25-0.97)	0.040	0.53(0.22-1.28)	0.158	2.82(1.07-7.43)	0.035	0.0381
		rs360717	IL18	1.49(0.78-2.83)	0.228	1.88(0.81-4.35)	0.139	0.32(0.11-0.93)	0.036	0.0315
		rs2239621	MYD88	1.06(0.52-2.14)	0.874	0.48(0.18-1.28)	0.144	3.18(1.07-9.47)	0.037	0.0422
		rs360712	IL18	1.42(0.76-2.67)	0.272	1.83(0.80-4.20)	0.154	0.33(0.11-0.97)	0.044	0.0393
Atopy	Piconavirus	rs4833095	TLR1	2.01(1.01-4.00)	0.047	1.87(0.92-3.80)	0.082	0.24(0.10-0.60)	0.002	0.002
		rs5743551	TLR1	2.01(1.01-4.00)	0.047	1.84(0.91-3.74)	0.091	0.26(0.10-0.63)	0.003	0.002
		rs10004195	TLR10	1.84(0.92-3.70)	0.086	1.74(0.86-3.49)	0.121	0.27(0.11-0.67)	0.005	0.003
		rs10759930	TLR4	0.48(0.25-0.92)	0.028	0.36(0.15-0.87)	0.023	3.18(1.39-7.24)	0.006	0.005
		rs5744105	TLR5	0.48(0.26-0.89)	0.019	0.34(0.14-0.85)	0.021	2.91(1.35-6.27)	0.006	0.004
		rs187084	TLR9	1.42(0.74-2.70)	0.289	2.01(0.93-4.35)	0.077	0.35(0.16-0.78)	0.010	0.010
		rs4543123	TLR1	1.61(0.80-3.26)	0.183	1.59(0.80-3.15)	0.184	0.31(0.12-0.76)	0.011	0.010
		rs6758936	IL18R1	1.42(0.75-2.67)	0.278	2.61(1.03-6.65)	0.044	0.36(0.16-0.80)	0.012	0.013
		rs1592458	IL18RAP	1.42(0.75-2.67)	0.277	2.60(1.02-6.60)	0.045	0.36(0.16-0.80)	0.012	0.012
		rs1833174	IL18RAP	1.42(0.75-2.67)	0.277	2.60(1.02-6.60)	0.045	0.36(0.16-0.80)	0.012	0.011
		rs11536889	TLR4	0.30(0.12-0.79)	0.014	0.62(0.33-1.17)	0.141	4.19(1.32-13.29)	0.015	0.013
		rs2096141	TLR5	0.49(0.27-0.91)	0.024	0.40(0.17-0.95)	0.039	2.59(1.21-5.58)	0.015	0.013
		rs5743794	TLR6	2.16(1.04-4.48)	0.038	1.51(0.78-2.92)	0.224	0.31(0.12-0.79)	0.015	0.010
		rs11465623	IL18R1	2.45(0.53-11.28)	0.249	1.24(0.70-2.20)	0.467	0.11(0.02-0.67)	0.017	0.028
		rs2241116	IL18R1	0.49(0.22-1.10)	0.084	0.61(0.32-1.17)	0.135	3.31(1.22-9.02)	0.019	0.018
		rs2298455	IL18BP	0.41(0.16-1.05)	0.063	0.67(0.36-1.23)	0.198	4.14(1.24-13.86)	0.021	0.018
		rs7579737	IL18R1	1.36(0.69-2.71)	0.377	1.70(0.83-3.51)	0.150	0.37(0.15-0.87)	0.022	0.025
		rs2293225	IL18RAP	0.49(0.22-1.10)	0.084	0.62(0.32-1.18)	0.147	3.11(1.15-8.40)	0.025	0.020
		rs3138056	NFKBIA	0.50(0.26-0.94)	0.031	0.50(0.23-1.09)	0.080	2.46(1.11-5.43)	0.026	0.025
		rs913930	TLR4	1.92(1.02-3.63)	0.044	1.84(0.83-4.09)	0.136	0.40(0.18-0.90)	0.026	0.024
		rs6748390	IL18RAP	1.55(0.75-3.18)	0.238	1.63(0.79-3.39)	0.188	0.39(0.16-0.93)	0.034	0.035
		rs5743562	TLR1	1.89(0.90-3.94)	0.091	1.38(0.72-2.65)	0.327	0.35(0.14-0.93)	0.035	0.033
		rs708030	IRAK2	1.92(0.99-3.73)	0.053	2.07(0.82-5.19)	0.122	0.43(0.19-0.95)	0.037	0.036
		rs5743856	TOLLIP	0.30(0.03-2.83)	0.293	0.85(0.48-1.48)	0.557	18.98(1.14-316.89)	0.040	0.054
		rs2737191	TLR4	1.97(1.03-3.78)	0.042	1.62(0.77-3.42)	0.207	0.42(0.18-0.97)	0.042	0.039
		rs2770150	TLR4	1.97(1.03-3.78)	0.042	1.62(0.77-3.42)	0.207	0.42(0.18-0.97)	0.042	0.039

		rs6756407	IL18RAP	2.45(0.53-11.24)	0.250	1.18(0.67-2.10)	0.566	0.16(0.03-0.96)	0.044	0.062
		rs3771172	IL18R1	0.58(0.28-1.20)	0.141	0.59(0.29-1.19)	0.141	2.58(1.02-6.54)	0.045	0.042
		rs4251431	IRAK4	5.76(1.03-32.20)	0.046	1.15(0.64-2.05)	0.647	0.14(0.02-0.96)	0.046	0.051
Atopy	PIV	rs4648110	NFKB1	0.41(0.22-0.77)	0.005	0.68(0.35-1.33)	0.264	3.52(1.37-9.01)	0.009	0.007
		rs956239	TLR3	1.88(0.98-3.62)	0.057	1.76(0.95-3.26)	0.072	0.24(0.08-0.71)	0.010	0.009
		rs1056890	NFKB2	1.67(0.99-2.80)	0.054	2.35(1.11-4.98)	0.026	0.34(0.15-0.78)	0.011	0.011
		rs696	NFKBIA	1.80(1.07-3.02)	0.025	2.55(1.10-5.93)	0.029	0.41(0.19-0.86)	0.018	0.013
		rs187084	TLR9	1.02(0.63-1.62)	0.95	2.31(1.06-4.99)	0.034	0.40(0.18-0.85)	0.018	0.018
		rs3775291	TLR3	1.35(0.79-2.33)	0.274	2.02(1.00-4.09)	0.051	0.38(0.16-0.87)	0.022	0.019
		rs7152826	NFKBIA	0.59(0.37-0.97)	0.036	0.63(0.29-1.36)	0.238	2.28(1.12-4.65)	0.024	0.023
		rs4648004	NFKB1	2.27(1.32-3.90)	0.003	2.09(0.95-4.60)	0.068	0.45(0.21-0.95)	0.035	0.033
		rs3138055	NFKBIA	0.58(0.33-1.04)	0.068	0.81(0.42-1.57)	0.531	2.29(1.01-5.18)	0.048	0.045
Atopy	RSV	rs2637988	IL1RN	2.70(1.62-4.52)	0	2.28(1.01-5.15)	0.049	0.30(0.14-0.66)	0.003	0.002
		rs11096957	TLR10	0.52(0.30-0.88)	0.015	0.39(0.18-0.85)	0.018	3.03(1.33-6.92)	0.009	0.008
		rs5743551	TLR1	0.53(0.29-0.97)	0.039	0.48(0.24-0.94)	0.033	3.20(1.32-7.71)	0.010	0.008
		rs5743562	TLR1	0.55(0.28-1.11)	0.094	0.52(0.27-0.98)	0.045	3.57(1.34-9.47)	0.011	0.009
		rs4833095	TLR1	0.54(0.30-0.97)	0.039	0.49(0.25-0.96)	0.038	3.09(1.28-7.49)	0.012	0.010
		rs10008492	TLR10	0.57(0.34-0.96)	0.033	0.39(0.17-0.88)	0.024	2.80(1.25-6.29)	0.013	0.012
		rs4807000	TICAM1	1.40(0.87-2.26)	0.167	1.70(0.77-3.74)	0.185	0.37(0.17-0.82)	0.015	0.012
		rs10004195	TLR10	0.52(0.29-0.95)	0.034	0.50(0.26-0.99)	0.046	3.04(1.24-7.47)	0.015	0.013
		rs10776483	TLR10	0.45(0.22-0.92)	0.028	0.54(0.29-1.03)	0.061	3.29(1.26-8.58)	0.015	0.013
		rs440286	IL1RN	2.11(1.25-3.56)	0.005	1.48(0.74-2.95)	0.267	0.34(0.13-0.86)	0.023	0.020
		rs671492	TIRAP	1.72(1.04-2.86)	0.036	1.39(0.71-2.71)	0.341	0.37(0.15-0.87)	0.023	0.023
		rs4543123	TLR1	0.51(0.28-0.93)	0.028	0.53(0.27-1.04)	0.065	2.84(1.14-7.07)	0.025	0.022
		rs331455	TRAF6	0.91(0.53-1.57)	0.740	0.48(0.23-0.99)	0.046	2.66(1.12-6.36)	0.027	0.023
		rs3213448	IL1RN	2.33(1.07-5.05)	0.032	1.12(0.62-2.03)	0.696	0.26(0.08-0.86)	0.028	0.025
		rs646005	TIRAP	0.80(0.50-1.27)	0.343	0.39(0.17-0.92)	0.030	2.53(1.10-5.81)	0.029	0.028
		rs4648004	NFKB1	1.11(0.70-1.74)	0.665	0.42(0.19-0.96)	0.039	2.38(1.09-5.21)	0.030	0.023
		rs5743794	TLR6	0.69(0.37-1.27)	0.232	0.55(0.29-1.05)	0.068	2.78(1.10-6.98)	0.030	0.028
		rs4851519	IL1R2	0.27(0.07-1.00)	0.049	0.68(0.39-1.20)	0.181	5.85(1.17-29.34)	0.032	0.026
		rs1898830	TLR2	0.68(0.40-1.14)	0.141	0.45(0.21-0.99)	0.047	2.38(1.07-5.31)	0.033	0.029
		rs230547	NFKB1	3.56(1.41-8.99)	0.007	1.05(0.59-1.87)	0.859	0.21(0.05-0.89)	0.035	0.036
		rs315931	IL1RN	2.15(1.28-3.60)	0.004	1.50(0.72-3.14)	0.283	0.42(0.19-0.96)	0.040	0.039
		rs1519309	TLR3	0.69(0.41-1.17)	0.171	0.47(0.22-1.01)	0.054	2.31(1.03-5.21)	0.043	0.041
		rs1927906	TLR4	2.11(0.89-5.00)	0.091	1.06(0.59-1.90)	0.845	0.26(0.07-1.00)	0.050	0.047
Atopic Asthma	picornavirus	rs745144	LBP	0.18(0.06-0.54)	0.002	0.25(0.08-0.78)	0.016	5.37(1.45-19.87)	0.012	0.008
		rs5744105	TLR5	0.29(0.12-0.69)	0.005	0.22(0.06-0.75)	0.015	3.91(1.24-12.37)	0.020	0.020
		rs740044	IL1R2	1.71(0.75-3.92)	0.203	1.55(0.53-4.48)	0.420	0.24(0.07-0.89)	0.033	0.031

		rs4251431	IRAK4	11.45(0.94-	0.056	0.97(0.42-2.25)	0.944	0.04(0.00-0.82)	0.037	0.383
		rs2096141	TLR5	0.29(0.12-0.71)	0.007	0.27(0.08-0.88)	0.029	3.31(1.04-10.55)	0.043	0.039
		rs352140	TLR9	0.67(0.32-1.42)	0.298	0.27(0.07-0.98)	0.047	2.87(1.02-8.03)	0.045	0.054
		rs1946518	IL18	0.53(0.21-1.34)	0.177	0.28(0.08-0.94)	0.039	3.51(1.02-11.99)	0.046	0.067
		rs7579737	IL18R1	1.65(0.70-3.91)	0.254	1.51(0.52-4.37)	0.446	0.28(0.08-0.99)	0.049	0.067
Atopic Asthma	PIV	rs7076748	NFKB2	0.67(0.28-1.61)	0.366	0.60(0.18-2.04)	0.414	5.85(1.62-21.19)	0.007	0.006
		rs1056890	NFKB2	1.30(0.60-2.80)	0.502	5.57(1.74-17.80)	0.004	0.20(0.05-0.73)	0.015	0.014
		rs13150331	TLR2	1.61(0.73-3.57)	0.24	6.58(1.74-24.85)	0.005	0.24(0.07-0.83)	0.024	0.017
		rs4251565	IRAK4	0.33(0.07-1.53)	0.157	1.34(0.55-3.28)	0.523	9.96(1.29-76.70)	0.027	0.019
		rs956239	TLR3	1.84(0.77-4.43)	0.171	3.19(1.28-7.94)	0.013	0.14(0.02-0.85)	0.033	0.029
		rs3775291	TLR3	1.84(0.79-4.28)	0.156	4.32(1.43-13.03)	0.009	0.26(0.07-0.93)	0.038	0.036
		rs392503	IL1RN	0.92(0.36-2.34)	0.863	1.02(0.34-3.11)	0.969	3.99(1.03-15.45)	0.045	0.042
Atopic Asthma	RSV	rs10776483	TLR10	0.24(0.06-0.88)	0.032	0.35(0.13-0.97)	0.044	12.99(2.33-72.40)	0.003	0.004
		rs5743562	TLR1	0.31(0.08-1.16)	0.082	0.33(0.11-0.93)	0.036	12.25(2.24-66.95)	0.004	0.004
		rs1554973	TLR4	2.17(0.95-4.93)	0.065	2.07(0.76-5.67)	0.156	0.11(0.02-0.57)	0.009	0.006
		rs5743794	TLR6	0.32(0.09-1.16)	0.082	0.37(0.13-1.03)	0.056	8.50(1.71-42.19)	0.009	0.008
		rs10004195	TLR10	0.42(0.15-1.15)	0.091	0.32(0.10-1.00)	0.049	7.30(1.59-33.43)	0.011	0.011
		rs5743551	TLR1	0.53(0.21-1.34)	0.179	0.30(0.09-0.98)	0.046	6.15(1.47-25.79)	0.013	0.015
		rs11096957	TLR10	0.44(0.19-1.01)	0.052	0.29(0.09-0.97)	0.044	5.04(1.36-18.72)	0.016	0.020
		rs11465567	IL18R1	0.37(0.10-1.45)	0.154	0.52(0.21-1.28)	0.153	10.66(1.49-76.40)	0.019	0.012
		rs646005	TIRAP	0.60(0.28-1.26)	0.176	0.25(0.07-0.95)	0.042	4.60(1.27-16.63)	0.020	0.022
		rs4833095	TLR1	0.54(0.22-1.34)	0.183	0.33(0.10-1.05)	0.060	5.70(1.32-24.68)	0.020	0.022
		rs11465572	IL18R1	0.37(0.10-1.45)	0.154	0.52(0.21-1.27)	0.151	9.83(1.39-69.37)	0.022	0.014
		rs1946131	IL1RL1	0.37(0.10-1.45)	0.154	0.52(0.21-1.27)	0.151	9.83(1.39-69.37)	0.022	0.014
		rs4807651	TICAM1	0.67(0.32-1.39)	0.281	0.28(0.08-1.02)	0.053	3.59(1.18-10.94)	0.025	0.029
		rs10008492	TLR10	0.53(0.24-1.17)	0.115	0.27(0.07-1.02)	0.053	4.30(1.19-15.47)	0.026	0.030
		rs1927907	TLR4	1.84(0.65-5.19)	0.248	1.45(0.60-3.49)	0.408	0.07(0.01-0.73)	0.026	0.009
		rs4543123	TLR1	0.45(0.16-1.21)	0.114	0.39(0.13-1.15)	0.088	5.34(1.21-23.52)	0.027	0.027
		rs1927911	TLR4	1.26(0.57-2.80)	0.568	1.60(0.62-4.14)	0.328	0.14(0.02-0.81)	0.029	0.010
		rs1927906	TLR4	3.44(1.10-10.74)	0.033	1.33(0.54-3.27)	0.535	0.12(0.01-0.91)	0.040	0.051
		rs1927914	TLR4	1.45(0.70-3.03)	0.319	1.84(0.63-5.38)	0.266	0.24(0.06-0.95)	0.042	0.031
		rs543810	IL18	0.24(0.05-1.16)	0.076	0.55(0.22-1.34)	0.187	9.08(1.07-77.03)	0.043	0.029
		rs11465597	IL18R1	0.56(0.17-1.90)	0.354	0.56(0.23-1.37)	0.202	6.46(1.02-41.08)	0.048	0.039
		rs6531670	TLR6	2.88(1.33-6.21)	0.007	2.74(1.26-6.00)	0.011	0.24(0.09-0.59)	0.002	0.001
AHR	picornavirus	rs6531670	TLR6	2.88(1.33-6.21)	0.007	2.74(1.26-6.00)	0.011	0.24(0.09-0.59)	0.002	0.001
		rs5743806	TLR6	2.75(1.28-5.89)	0.009	2.58(1.19-5.59)	0.016	0.25(0.10-0.61)	0.003	0.002
		rs778583	CD14	0.56(0.28-1.11)	0.097	0.51(0.24-1.10)	0.087	3.58(1.52-8.46)	0.004	0.005
		rs1039559	TLR6	0.47(0.25-0.90)	0.023	0.39(0.15-1.02)	0.054	3.03(1.37-6.75)	0.006	0.006

		rs187084	TLR9	3.45(1.55-7.68)	0.002	2.32(1.05-5.13)	0.038	0.29(0.12-0.72)	0.008	0.004
		rs11096957	TLR10	2.01(0.98-4.14)	0.058	2.40(1.06-5.43)	0.035	0.33(0.14-0.79)	0.013	0.013
		rs4802998	NFKBIB	2.10(0.99-4.45)	0.052	2.24(1.02-4.89)	0.044	0.34(0.14-0.81)	0.015	0.015
		rs778584	CD14	1.49(0.80-2.78)	0.211	2.71(1.09-6.78)	0.032	0.39(0.18-0.84)	0.016	0.018
		rs3917292	IL1R1	4.54(0.93-22.17)	0.062	1.47(0.81-2.67)	0.202	0.11(0.02-0.69)	0.018	0.020
		rs315952	IL1RN	0.67(0.33-1.36)	0.263	0.61(0.29-1.30)	0.203	2.94(1.20-7.16)	0.018	0.013
		rs5744038	TOLLIP	0.44(0.13-1.54)	0.199	0.87(0.48-1.58)	0.649	8.45(1.44-49.67)	0.018	0.020
		rs4090473	IL1RL1	0.52(0.26-1.04)	0.064	0.42(0.15-1.15)	0.091	2.66(1.17-6.04)	0.020	0.023
		rs3136641	NFKBIB	0.55(0.27-1.11)	0.093	0.62(0.28-1.33)	0.218	2.89(1.18-7.09)	0.021	0.025
		rs3818411	CHUK	1.41(0.77-2.59)	0.262	2.71(1.05-6.95)	0.038	0.42(0.19-0.89)	0.023	0.026
		rs2569190	CD14	1.49(0.80-2.77)	0.214	2.47(1.00-6.10)	0.050	0.42(0.19-0.90)	0.026	0.030
		rs7696175	TLR6	0.55(0.29-1.04)	0.065	0.53(0.22-1.27)	0.156	2.44(1.10-5.40)	0.028	0.030
		rs1558642	IL1R1	3.70(1.27-10.78)	0.016	1.59(0.81-3.11)	0.175	0.26(0.08-0.88)	0.029	0.017
		rs1143627	IL1B	1.36(0.71-2.60)	0.354	2.23(0.97-5.10)	0.058	0.42(0.19-0.92)	0.031	0.035
		rs16944	IL1B	1.36(0.71-2.60)	0.354	2.23(0.97-5.10)	0.058	0.42(0.19-0.92)	0.031	0.035
		rs4130727	TLR10	2.68(0.93-7.76)	0.069	1.60(0.85-3.02)	0.149	0.26(0.08-0.88)	0.031	0.026
		rs2192752	IL1R1	3.69(1.27-10.76)	0.017	1.59(0.81-3.10)	0.177	0.27(0.08-0.89)	0.032	0.019
		rs1041973	IL1RL1	0.42(0.18-0.97)	0.042	0.71(0.35-1.47)	0.361	2.91(1.09-7.77)	0.033	0.040
		rs5744105	TLR5	0.67(0.36-1.24)	0.206	0.51(0.19-1.32)	0.164	2.26(1.04-4.93)	0.040	0.046
		rs4803006	NFKBIB	2.12(0.97-4.65)	0.061	2.01(0.91-4.42)	0.084	0.39(0.16-0.96)	0.041	0.042
		rs17885645	CHUK	0.78(0.43-1.40)	0.396	0.59(0.25-1.35)	0.209	2.15(1.02-4.51)	0.044	0.050
		rs5743955	TOLLIP	1.62(0.45-5.80)	0.461	1.30(0.71-2.37)	0.397	0.14(0.02-0.95)	0.044	0.057
		rs4914	CD14	0.51(0.20-1.31)	0.162	0.81(0.43-1.55)	0.530	3.33(1.02-10.80)	0.046	0.054
		rs2096141	TLR5	0.64(0.34-1.19)	0.157	0.53(0.21-1.33)	0.177	2.21(1.01-4.83)	0.047	0.053
		rs5741812	LBP	0.38(0.14-1.03)	0.056	0.84(0.45-1.58)	0.588	3.48(1.01-11.97)	0.048	0.060
		rs352163	TLR9	0.60(0.33-1.09)	0.095	0.53(0.20-1.36)	0.184	2.10(1.01-4.39)	0.048	0.050
AHR	PIV	rs1039559	TLR6	0.48(0.27-0.83)	0.008	0.28(0.11-0.70)	0.007	4.11(1.88-8.99)	0.0004	0.0003
		rs7696175	TLR6	0.50(0.29-0.86)	0.012	0.32(0.14-0.77)	0.010	3.99(1.82-8.76)	0.0006	0.0005
		rs11096957	TLR10	1.95(1.08-3.53)	0.028	2.85(1.26-6.44)	0.012	0.24(0.10-0.56)	0.0009	0.0008
		rs10008492	TLR10	1.78(1.00-3.16)	0.049	3.08(1.30-7.29)	0.010	0.25(0.11-0.59)	0.0013	0.0015
		rs5743810	TLR6	0.54(0.31-0.92)	0.024	0.36(0.15-0.83)	0.016	3.66(1.66-8.07)	0.0013	0.0014
		rs10776483	TLR10	2.14(1.01-4.53)	0.046	1.91(0.98-3.74)	0.059	0.21(0.08-0.57)	0.0021	0.0022
		rs917998	IL18RAP	1.09(0.47-2.54)	0.845	1.50(0.81-2.76)	0.198	0.16(0.04-0.62)	0.0078	0.0087
		rs1558642	IL1R1	2.60(1.28-5.26)	0.008	1.73(0.88-3.37)	0.110	0.27(0.10-0.71)	0.0080	0.0077
		rs2192752	IL1R1	2.60(1.28-5.27)	0.008	1.73(0.88-3.38)	0.110	0.28(0.10-0.73)	0.0093	0.0091
		rs3740961	TRAF6	0.72(0.35-1.48)	0.374	0.71(0.38-1.32)	0.279	5.27(1.49-18.66)	0.0102	0.0062
		rs10004195	TLR10	2.06(1.04-4.06)	0.037	1.79(0.90-3.59)	0.099	0.31(0.13-0.77)	0.0105	0.0116
		rs13150331	TLR2	2.22(1.25-3.95)	0.006	2.54(1.06-6.09)	0.037	0.35(0.16-0.79)	0.0111	0.0122

		rs5743955	TOLLIP	2.25(0.56-8.95)	0.251	1.33(0.74-2.41)	0.345	0.08(0.01-0.57)	0.0121	0.0171
		rs352163	TLR9	0.66(0.41-1.05)	0.077	0.46(0.20-1.07)	0.072	2.50(1.21-5.16)	0.0131	0.0145
		rs5743794	TLR6	1.63(0.80-3.30)	0.176	1.70(0.87-3.32)	0.123	0.30(0.11-0.78)	0.0139	0.0174
		rs646005	TIRAP	0.70(0.42-1.17)	0.177	0.50(0.22-1.13)	0.094	2.70(1.21-6.01)	0.0147	0.0166
		rs4543123	TLR1	1.99(0.99-4.00)	0.052	1.73(0.87-3.45)	0.117	0.32(0.13-0.80)	0.0147	0.0155
		rs4833095	TLR1	1.93(1.00-3.72)	0.050	1.74(0.87-3.48)	0.119	0.34(0.14-0.83)	0.0173	0.0173
		rs5743551	TLR1	2.03(1.05-3.93)	0.036	1.75(0.87-3.52)	0.117	0.34(0.14-0.83)	0.0178	0.0188
		rs4802998	NFKBIB	1.45(0.86-2.42)	0.161	1.99(0.90-4.39)	0.087	0.40(0.18-0.88)	0.0232	0.0242
		rs187084	TLR9	2.10(1.22-3.62)	0.007	1.84(0.85-4.02)	0.124	0.43(0.20-0.92)	0.0293	0.0270
		rs5743562	TLR1	1.88(0.89-3.98)	0.099	1.57(0.81-3.04)	0.184	0.33(0.12-0.90)	0.0300	0.0317
		rs17885986	CHUK	0.64(0.19-2.13)	0.471	0.84(0.48-1.50)	0.562	14.00(1.26-155.28)	0.0316	0.0114
		rs3213733	IL18R1	0.57(0.30-1.09)	0.089	0.71(0.37-1.36)	0.300	2.69(1.07-6.77)	0.0349	0.0388
		rs7579737	IL18R1	1.38(0.77-2.47)	0.278	1.75(0.85-3.63)	0.132	0.41(0.18-0.94)	0.0349	0.0378
		rs10176820	IL18RAP	0.57(0.30-1.09)	0.089	0.71(0.37-1.36)	0.300	2.69(1.07-6.77)	0.0349	0.0409
		rs2075186	IL18RAP	0.57(0.30-1.09)	0.089	0.71(0.37-1.36)	0.300	2.69(1.07-6.77)	0.0349	0.0388
		rs6531670	TLR6	1.58(0.92-2.72)	0.100	1.79(0.85-3.79)	0.127	0.44(0.19-0.98)	0.0349	0.0389
AHR	RSV	rs3218848	IL1R2	1.34(0.84-2.13)	0.227	2.40(0.97-5.92)	0.057	0.28(0.12-0.64)	0.002	0.002
		rs4851526	IL1R2	1.30(0.81-2.08)	0.276	2.33(0.94-5.78)	0.069	0.30(0.13-0.68)	0.004	0.004
		rs2072472	IL1R2	1.38(0.80-2.38)	0.245	1.62(0.77-3.38)	0.200	0.31(0.13-0.73)	0.007	0.007
		rs7589525	IL1R2	1.38(0.80-2.38)	0.245	1.62(0.77-3.38)	0.200	0.31(0.13-0.73)	0.007	0.007
		rs4851534	IL1R2	0.70(0.44-1.12)	0.135	0.33(0.14-0.82)	0.016	2.57(1.21-5.44)	0.014	0.015
		rs5030419	TRAF6	0.28(0.14-0.58)	0.001	0.53(0.29-0.99)	0.046	4.34(1.33-14.17)	0.015	0.021
		rs2282151	NFKBIE	0.96(0.53-1.71)	0.880	0.54(0.29-1.02)	0.056	3.85(1.28-11.53)	0.016	0.010
		rs315931	IL1RN	0.53(0.31-0.88)	0.015	0.43(0.20-0.91)	0.028	2.67(1.16-6.15)	0.021	0.023
		rs5743942	TOLLIP	0.71(0.43-1.17)	0.178	0.32(0.13-0.80)	0.014	2.45(1.14-5.29)	0.022	0.025
		rs230510	NFKB1	0.71(0.44-1.15)	0.164	0.35(0.14-0.87)	0.024	2.55(1.14-5.70)	0.023	0.024
		rs3136641	NFKBIB	0.74(0.44-1.25)	0.266	0.46(0.22-0.98)	0.044	2.78(1.12-6.91)	0.028	0.031
		rs3774932	NFKB1	0.67(0.41-1.09)	0.103	0.36(0.14-0.90)	0.029	2.41(1.09-5.34)	0.030	0.034
		rs4648004	NFKB1	0.73(0.44-1.18)	0.199	0.44(0.20-0.96)	0.040	2.37(1.09-5.18)	0.030	0.033
		rs2232571	LBP	0.66(0.35-1.24)	0.197	0.54(0.28-1.05)	0.068	3.10(1.09-8.79)	0.033	0.033
		rs757918	IL1R2	0.80(0.50-1.30)	0.374	0.35(0.13-0.90)	0.030	2.42(1.07-5.51)	0.034	0.037
		rs7873784	TLR4	1.43(0.69-2.96)	0.338	1.11(0.60-2.08)	0.735	0.29(0.09-0.91)	0.034	0.039
		rs1598856	NFKB1	0.67(0.41-1.08)	0.102	0.37(0.15-0.94)	0.036	2.35(1.06-5.22)	0.036	0.041
		rs1143634	IL1B	3.52(1.72-7.20)	0.001	1.24(0.65-2.36)	0.521	0.34(0.12-0.94)	0.037	0.029
		rs2110562	IL1R2	0.76(0.47-1.22)	0.252	0.35(0.13-0.92)	0.034	2.34(1.04-5.22)	0.039	0.042
		rs392503	IL1RN	0.49(0.29-0.83)	0.007	0.47(0.22-0.98)	0.044	2.45(1.01-5.95)	0.048	0.054
		rs4648110	NFKB1	2.81(1.38-5.72)	0.005	1.16(0.61-2.22)	0.647	0.35(0.13-0.99)	0.048	0.041
		rs4851519	IL1R2	0.56(0.20-1.61)	0.284	0.67(0.38-1.18)	0.162	5.18(1.01-26.53)	0.049	0.046

Table S18 Significant Viral Interactions (family-based) ASTHMA at 7 years adjusted for recruitment center and intervention group

VIRUS	SNP	Gene	Main Effect of SNP		Interaction Virus*SNP		
			OR(95% CI)	p-value	OR(95% CI)	p-value	pp-value*
Picornavirus	rs3793964	TOLLIP	0.21 (0.07-0.62)	0.0011	8.55(2.27-32.22)	0.0015	0.0045
	rs4608848	TLR3	2.38 (1.04-5.43)	0.0317	0.19(0.061-0.59)	0.0043	0.0050
	rs3775291	TLR3	0.54 (0.22-1.35)	0.1764	4.51(1.26-16.1)	0.0203	0.0191
	rs5030419	TRAF6	1.67 (0.40-6.97)	0.4772	0.09(0.012-0.73)	0.0238	0.0280
	rs3750919	TOLLIP	0.39 (0.14-1.08)	0.0550	4.83(1.21-19.22)	0.0255	0.0445
	rs3917273	IL1R1	0.47 (0.20-1.09)	0.0687	3.78(1.17-12.19)	0.0262	0.0332
	rs6582484	IRAK4	5 (1.10-22.82)	0.0158	0.13(0.019-0.82)	0.0306	0.0142
	rs6758936	IL18R1	0.4 (0.156-1.031)	0.0459	3.65(1.12-11.9)	0.0315	0.0333
	rs1592458	IL18RAP	0.4 (0.156-1.031)	0.0459	3.65(1.12-11.9)	0.0315	0.0333
	rs1833174	IL18RAP	0.4 (0.156-1.031)	0.0459	3.65(1.12-11.9)	0.0315	0.0333
	rs1519309	TLR3	1.33 (0.63-2.82)	0.4489	0.32(0.11-0.95)	0.0397	0.0440
	rs7152826	NFKBIA	2.38 (1.04-5.43)	0.0317	0.33(0.11-0.97)	0.0433	0.0393
	rs10410544	NFKBIB	0.44 (0.18-1.06)	0.0572	3.24(1.02-10.28)	0.0462	0.0475
	rs11721827	TLR3	9 (1.14-71.04)	0.0067	0.10(0.009-0.99)	0.0485	0.0434
PIV	rs3793964	TOLLIP	0.29 (0.12-0.71)	0.00297	7 (2.02-24.25)	0.0021	0.0077
	rs3750919	TOLLIP	0.33 (0.12-0.92)	0.02217	7.8 (1.84-33.09)	0.0053	0.0134
	rs543810	IL18	3 (0.97-9.30)	0.04076	0.12 (0.02-0.72)	0.0194	0.0159
	rs3917332	IL1R1	2.4 (0.85-6.81)	0.08483	0.19 (0.05-0.80)	0.0231	0.0214
	rs2289318	TLR2	2.4 (0.85-6.81)	0.08483	0.19 (0.04-0.84)	0.0281	0.0159
	rs5743942	TOLLIP	1.44 (0.62-3.38)	0.39245	0.27 (0.08-0.91)	0.0348	0.0335
	rs4696483	TLR2	3.33 (0.92-12.11)	0.04614	0.17 (0.03-0.90)	0.0378	0.0251
	rs3808916	CHUK	0.12 (0.02-1.00)	0.01279	24 (1.11-518.60)	0.0427	0.1234
RSV	rs5743562	TLR1	0.19 (0.05-0.64)	0.00178	18.13 (3.71-88.55)	0.0003	0.0001
	rs5743794	TLR6	0.19 (0.05-0.64)	0.00178	20 (3.82-104.60)	0.0004	<0.0001**
	rs1041973	IL1RL1	0.41 (0.17-0.99)	0.03819	11.33 (2.46-52.15)	0.0018	0.0009
	rs10004195	TLR10	0.47 (0.19-1.14)	0.08446	7.71 (2.03-29.36)	0.0027	0.0014
	rs10776483	TLR10	0.24 (0.08-0.70)	0.00325	7.97 (1.99-31.89)	0.0033	0.0010
	rs4833095	TLR1	0.53 (0.23-1.26)	0.14122	6.38 (1.71-23.76)	0.0058	0.0029
	rs4543123	TLR1	0.47 (0.19-1.14)	0.08446	6.07 (1.67-22.12)	0.0062	0.0036
	rs5743551	TLR1	0.53 (0.23-1.26)	0.14122	5.62 (1.59-19.85)	0.0073	0.0078
	rs11096957	TLR10	0.4 (0.18-0.91)	0.02117	4.5 (1.46-13.89)	0.0089	0.0027

rs3213733	IL18R1	0.38 (0.14-1.08)	0.05497	6.76 (1.57-29.07)	0.0102	0.0182
rs10176820	IL18RAP	0.38 (0.14-1.08)	0.05497	6.76 (1.57-29.07)	0.0102	0.0182
rs2075186	IL18RAP	0.38 (0.14-1.08)	0.05497	6.76 (1.57-29.07)	0.0102	0.0182
rs4802998	NFKBIB	0.55 (0.26-1.15)	0.10349	4.24 (1.27-14.18)	0.0189	0.0105
rs3136646	NFKBIB	1.5 (0.67-3.34)	0.31568	0.21 (0.05-0.81)	0.0242	0.0146
rs3771156	IL18RAP	1.38 (0.68-2.83)	0.36812	0.24 (0.07-0.83)	0.0242	0.0134
rs949963	IL1R1	0.89 (0.34-2.30)	0.80831	6 (1.26-28.50)	0.0242	0.0376
rs973635	IL1RN	2 (0.68-5.85)	0.19242	0.17 (0.04-0.79)	0.0244	0.0194
rs4803006	NFKBIB	0.5 (0.23-1.07)	0.06528	3.71 (1.13-12.23)	0.0309	0.0177
rs11465702	IL18RAP	0.5 (0.19-1.33)	0.15333	6 (1.17-30.73)	0.0316	0.0355
rs3213448	IL1RN	2 (0.68-5.85)	0.19242	0.18 (0.04-0.87)	0.0332	0.0212
rs913930	TLR4	0.67 (0.30-1.48)	0.31568	3.9 (1.06-14.39)	0.0410	0.0468
rs3771172	IL18R1	1.31 (0.64-2.69)	0.46454	0.27 (0.08-0.95)	0.0420	0.0260
rs315952	IL1RN	1.46 (0.68-3.13)	0.33453	0.3 (0.09-0.97)	0.0449	0.0499
rs1420089	IL1RL1	2 (0.60-6.64)	0.24368	0.08 (0.01-0.95)	0.0454	0.0332
rs6758936	IL18R1	0.55 (0.26-1.15)	0.10349	3.18 (1.02-9.93)	0.0463	0.0473
rs1592458	IL18RAP	0.55 (0.26-1.15)	0.10349	3.18 (1.02-9.93)	0.0463	0.0473
rs1833174	IL18RAP	0.55 (0.26-1.15)	0.10349	3.18 (1.02-9.93)	0.0463	0.0473
rs543810	IL18	0.33 (0.07-1.65)	0.1480	6.5 (1.00-42.17)	0.0497	0.0541

*Indicates permutation p-value (30,000 permutations). Shaded cells SNPs that are significant in the case-control analyses. ** no p-values ≤ 0.0004 were observed in 30,000 permutations.

Table S19 Significant Viral Interaction (Family-Based Design) Atopy at 7 years adjusted for recruitment center and intervention group. *PP-value indicates p-value obtained by 30,000 permutations. Shaded cells indicate SNPs which are also significant in the case-control analyses.

VIRUS	SNP	Gene	Main Effect of SNP		Interaction Virus*SNP		PP-value*
			OR(95% CI)	p-value	OR(95% CI)	p-value	
Piconavirus	rs2053071	NFKBIB	1.50 (0.87-2.57)	0.1367	0.4 (0.20-0.80)	0.0097	0.0045
	rs997049	IL1R1	2.18 (1.23-3.86)	0.0059	0.4 (0.19-0.84)	0.0152	0.0191
	rs4851519	IL1R2	0.21 (0.06-0.75)	0.0055	5.83 (1.36-25.11)	0.0179	0.0113
	rs5743551	TLR1	1.87 (1.00-3.50)	0.0457	0.38 (0.16-0.90)	0.0268	0.0224
	rs595022	TIRAP	0.58 (0.31-1.09)	0.0839	2.56 (1.10-5.94)	0.0289	0.0170
	rs591163	TIRAP	1.38 (0.68-2.83)	0.3681	0.36 (0.14-0.92)	0.0322	0.0265
	rs315931	IL1RN	0.58 (0.31-1.09)	0.0839	2.31 (1.06-5.04)	0.0352	0.0254
	rs672908	TIRAP	1.38 (0.68-2.83)	0.3681	0.37 (0.15-0.95)	0.0384	0.0340
	rs1461567	IRAK4	1.67 (0.93-2.99)	0.0816	0.46 (0.22-0.96)	0.0399	0.0378
	rs5741812	LBP	1.25 (0.59-2.67)	0.5633	3.2 (1.04-9.84)	0.0424	0.0406
	rs1927907	TLR4	0.53 (0.23-1.26)	0.1412	3.03 (1.01-9.12)	0.0488	0.0704
PIV	rs3917254	IL1R1	0.25 (0.11-0.57)	0.0002	5.54 (1.86-16.52)	0.0022	0.0036
	rs1041973	IL1RL1	0.6 (0.33-1.08)	0.0816	3.1 (1.29-7.42)	0.0113	0.0129
	rs6758936	IL18R1	0.56 (0.33-0.95)	0.0284	2.51 (1.20-5.26)	0.0146	0.0179
	rs1420103	IL1RL1	2.18 (1.23-3.86)	0.0059	0.37 (0.16-0.84)	0.0170	0.0192
	rs1592458	IL18RAP	0.56 (0.33-0.95)	0.0284	2.44 (1.16-5.12)	0.0185	0.0232
	rs543810	IL18	1.71 (0.89-3.31)	0.1027	0.31 (0.11-0.84)	0.0220	0.0208
	rs1833174	IL18RAP	0.56 (0.33-0.95)	0.0284	2.36 (1.12-4.97)	0.0234	0.0284
	rs4648004	NFKB1	2.05 (1.19-3.55)	0.0080	0.43 (0.19-0.95)	0.0373	0.0366
	rs2075186	IL18RAP	0.5 (0.26-0.95)	0.0292	2.71 (1.06-6.96)	0.0378	0.0422
	rs13015714	IL18R1	2.18 (1.23-3.86)	0.0059	0.42 (0.18-0.96)	0.0389	0.0404
	rs4090473	IL1RL1	1.74 (1.04-2.90)	0.0312	0.46 (0.22-0.97)	0.0405	0.0367
	rs1927906	TLR4	1.78 (0.79-4.02)	0.1587	0.28 (0.08-0.95)	0.0417	0.0304
	rs483536	NFKBIE	1.46 (0.87-2.45)	0.1509	0.42 (0.18-0.97)	0.0423	0.0535
	rs11536889	TLR4	0.58 (0.30-1.13)	0.1027	2.8 (1.03-7.61)	0.0429	0.0330
	rs5743562	TLR1	0.62 (0.34-1.12)	0.1070	2.64 (1.02-6.84)	0.0462	0.0543
	rs2228139	IL1R1	0.43 (0.11-1.66)	0.1996	8.17 (1.03-64.94)	0.0471	0.0191
	rs1465321	IL18R1	2.18 (1.23-3.86)	0.0059	0.44 (0.19-1.00)	0.0492	0.0515
	rs1807782	IL18RAP	2.18 (1.23-3.86)	0.0059	0.44 (0.19-1.00)	0.0492	0.0515

RSV	rs2637988	IL1RN	1.53 (0.97-2.43)	0.0654	0.26 (0.12-0.57)	0.0003	0.0003
	rs315931	IL1RN	1.57 (0.98-2.52)	0.0583	0.31 (0.14-0.67)	0.0016	0.0016
	rs5743562	TLR1	0.46 (0.23-0.91)	0.0216	3.71 (1.44-9.60)	0.0076	0.0076
	rs464286	IRAK2	6 (1.77-20.37)	0.0006	0.11 (0.02-0.55)	0.0023	0.0023
	rs5743794	TLR6	0.52 (0.27-1.02)	0.0496	3.69 (1.40-9.70)	0.0081	0.0081
	rs10776483	TLR10	0.45 (0.24-0.85)	0.0103	3.18 (1.30-7.81)	0.0102	0.0102
	rs4251961	IL1RN	0.66 (0.40-1.09)	0.1002	2.92 (1.26-6.76)	0.0105	0.0105
	rs440286	IL1RN	1.32 (0.81-2.16)	0.2635	0.35 (0.15-0.80)	0.0058	0.0058
	rs3213448	IL1RN	1.33 (0.72-2.46)	0.3537	0.29 (0.10-0.79)	0.0179	0.0179
	rs10004195	TLR10	0.6 (0.33-1.08)	0.0816	2.95 (1.20-7.23)	0.0126	0.0126
	rs598859	IL1RN	1.34 (0.83-2.18)	0.2244	0.4 (0.18-0.88)	0.0127	0.0127
	rs973635	IL1RN	1.44 (0.76-2.72)	0.2610	0.31 (0.11-0.86)	0.0266	0.0266
	rs1794067	IL1RN	1.38 (0.86-2.22)	0.1845	0.41 (0.19-0.90)	0.0141	0.0141
	rs671492	TIRAP	2 (1.15-3.47)	0.0111	0.38 (0.16-0.89)	0.0251	0.0251
	rs7897947	NFKB2	1.62 (0.87-3.03)	0.1210	0.37 (0.15-0.90)	0.0291	0.0291
	rs520639	NFKBIE	1.54 (0.72-3.30)	0.2550	0.26 (0.08-0.87)	0.0234	0.0234
	rs591163	TIRAP	0.5 (0.27-0.91)	0.0197	2.77 (1.09-7.03)	0.0264	0.0264
	rs646005	TIRAP	0.6 (0.36-0.98)	0.0368	2.27 (1.06-4.86)	0.0225	0.0225
	rs672908	TIRAP	0.52 (0.28-0.94)	0.0273	2.68 (1.05-6.83)	0.0355	0.0355
	rs2302859	IRAK2	2.07 (1.12-3.83)	0.0171	0.39 (0.16-0.95)	0.0394	0.0394
	rs392503	IL1RN	1.36 (0.83-2.21)	0.2175	0.44 (0.20-0.96)	0.0262	0.0262
	rs5743551	TLR1	0.76 (0.44-1.32)	0.3262	2.45 (1.04-5.75)	0.0353	0.0353
	rs4543123	TLR1	0.55 (0.30-0.99)	0.0418	2.43 (1.04-5.69)	0.0274	0.0274
	rs2272733	IKBKB	0.68 (0.34-1.38)	0.2874	3.41 (1.04-11.19)	0.0318	0.0318
	rs17880383	CHUK	0.3 (0.08-1.09)	0.0461	13.33 (1.05-	0.0695	0.0695

Table S20ignificant Viral Interactions (Family Based Design) atopic asthma at 7 years adjusted for recruitment center and intervention group. *Indicates permutation p-value (30,000 permutations).

VIRUS	SNP	Gene	Main Effect of SNP		Interaction Virus*SNP		PP-value*
			OR(95% CI)	p-value	OR(95% CI)	p-value	
Picornavirus	rs3793964	TOLLIP	0.19 (0.05-0.64)	0.00178	26.67 (4.64-153.20)	0.0439	0.0003
	rs6582484	IRAK4	9 (1.14-71.04)	0.00666	0.03 (0.00-0.43)	0.0436	0.0062
	rs3750919	TOLLIP	0.36 (0.12-1.14)	0.06532	8.25 (1.65-41.25)	0.0423	0.0274
	rs1780616	LBP	1.38 (0.55-3.42)	0.49039	0.19 (0.05-0.81)	0.0419	0.0284
	rs11721827	TLR3	7 (0.86-56.90)	0.02446	0.07 (0.01-0.80)	0.0322	0.0297
	rs5743894	TOLLIP	3.67 (1.02-13.14)	0.02749	0.18 (0.04-0.94)	0.0246	0.0358
	rs4608848	TLR3	1.88 (0.80-4.42)	0.14122	0.28 (0.08-0.96)	0.0102	0.0588
	rs10782383	NFKBIA	1.33 (0.56-3.16)	0.51197	0.2 (0.04-0.96)	0.0092	0.0517
	rs10410544	NFKBIB	0.31 (0.11-0.85)	0.01383	3.84 (1.04-14.21)	0.0002	0.0392
PIV	rs543810	IL18	0.31 (0.11-0.85)	0.0496	0.04 (0.00-0.48)	0.0122	0.0277
	rs156265	MYD88	1.33 (0.56-3.16)	0.0128	28 (2.07-379.30)	0.0122	0.0093
	rs3917332	IL1R1	1.88 (0.80-4.42)	0.0461	0.13 (0.02-0.76)	0.0238	0.0276
	rs5743942	TOLLIP	3.67 (1.02-13.14)	0.4904	0.21 (0.05-0.87)	0.0321	0.0313
	rs3793964	TOLLIP	7 (0.86-56.90)	0.1042	4.33 (1.09-17.17)	0.0369	0.0944
	rs1056890	NFKB2	1.38 (0.55-3.42)	0.3147	0.2 (0.04-0.91)	0.0377	0.0675
	rs520639	NFKBIE	0.36 (0.12-1.14)	0.0245	0.08 (0.01-0.93)	0.0432	0.0446
RSV	rs3213733	IL18R1	0.4 (0.13-1.28)	0.1031	6.67 (1.14-38.83)	0.0007	0.0009
	rs1041973	IL1RL1	0.5 (0.19-1.33)	0.1533	7 (1.10-44.61)	0.0012	0.0012
	rs10176820	IL18RAP	0.4 (0.13-1.28)	0.1031	6.67 (1.14-38.83)	0.0043	0.0021
	rs2075186	IL18RAP	0.4 (0.13-1.28)	0.1031	6.67 (1.14-38.83)	0.0049	0.0025
	rs1039559	TLR6	1.6 (0.73-3.53)	0.2372	0.23 (0.06-0.91)	0.0058	0.0022
	rs5743794	TLR6	0.08 (0.01-0.64)	0.0009	78 (6.24-974.80)	0.0058	0.0023
	rs4543123	TLR1	0.36 (0.12-1.14)	0.0653	8.25 (1.65-41.25)	0.0070	0.0071
	rs5743562	TLR1	0.08 (0.01-0.64)	0.0009	52 (4.74-570.50)	0.0097	0.0072
	rs4833095	TLR1	0.45 (0.16-1.31)	0.1289	6.05 (1.27-28.73)	0.0101	0.0044
	rs5743551	TLR1	0.45 (0.16-1.31)	0.1289	8.8 (1.69-45.76)	0.0102	0.0055
	rs10776483	TLR10	0.07 (0.01-0.54)	0.0003	25.67 (2.68-245.90)	0.0183	0.0258
	rs11096957	TLR10	0.31 (0.11-0.85)	0.0138	4.8 (1.25-18.42)	0.0223	0.0154
	rs10004195	TLR10	0.36 (0.12-1.14)	0.0653	11.92 (2.18-65.15)	0.0235	0.0186
	rs4251961	IL1RN	0.57 (0.24-1.36)	0.1980	6.42 (1.37-30.06)	0.0322	0.0232

rs2637988	IL1RN	2.25 (0.98-5.18)	0.0470	0.13 (0.03-0.62)	0.0328	0.0700
rs3213448	IL1RN	9 (1.14-71.04)	0.0067	0.02 (0.00-0.30)	0.0349	0.0486
rs973635	IL1RN	9 (1.14-71.04)	0.0067	0.02 (0.00-0.30)	0.0349	0.0486
rs315952	IL1RN	2.33 (0.90-6.07)	0.0697	0.13 (0.03-0.58)	0.0349	0.0486
rs646005	TIRAP	0.5 (0.21-1.17)	0.0992	4.4 (1.13-17.07)	0.0368	0.0480
rs671492	TIRAP	3.67 (1.02-13.14)	0.0275	0.16 (0.03-0.92)	0.0395	0.0371
rs4251565	IRAK4	6 (0.72-49.84)	0.0465	0.06 (0.00-0.79)	0.0397	0.0318

Table S21 Significant Viral Interactions (Family Based Design) AHR at 7 years adjusted for recruitment center and intervention group. *Indicates permutation p-value (30,000 permutations).

VIRUS	SNP	Gene	Main Effect of SNP	Interaction Virus*SNP			
			OR(95% CI)	p-value	OR(95% CI)	p-value	PP-value*
Picornavirus	rs3917285	IL1R1	0.38(0.16-0.93)	0.0252	6.75(2.05-22.27)	0.0017	0.0024
	rs1030021	IL1R1	0.55(0.30-0.99)	0.0418	3.56(1.60-7.92)	0.0019	0.0012
	rs3917273	IL1R1	0.58(0.34-0.98)	0.0377	2.90(1.47-5.69)	0.0020	0.0022
	rs3917304	IL1R1	0.62(0.36-1.06)	0.0782	3.11(1.51-6.41)	0.0020	0.0014
	rs11465702	IL18RAP	0.30(0.13-0.71)	0.0027	4.9(1.71-14.17)	0.0031	0.0045
	rs1041973	IL1RL1	0.38(0.19-0.73)	0.0021	3.40(1.50-7.74)	0.0035	0.0046
	rs2075186	IL18RAP	0.39(0.20-0.70)	0.0056	3.47(1.43-8.44)	0.0060	0.0096
	rs747559	NFKB1	0.53(0.31-0.91)	0.0172	2.58(1.31-5.10)	0.0064	0.0082
	rs5743955	TOLLIP	4.0(0.85-18.84)	0.0496	0.063(0.008-0.46)	0.0066	0.0031
	rs10176820	IL18RAP	0.41(0.21-0.81)	0.0070	3.30(1.38-7.86)	0.0072	0.0105
	rs1598857	NFKB1	0.53(0.31-0.91)	0.0172	2.52(1.28-4.97)	0.0077	0.0100
	rs3213733	IL18R1	0.43(0.22-0.84)	0.0103	3.18(1.33-7.61)	0.0093	0.0126
	rs997049	IL1R1	1.81(1.06-3.08)	0.0258	0.42(0.21-0.82)	0.0119	0.0140
	rs230533	NFKB1	0.53(0.29-0.98)	0.0375	2.55(1.21-5.37)	0.0136	0.0158
	rs10782383	NFKBIA	1.78(0.93-3.44)	0.0762	0.359 0.16-0.82)	0.0149	0.0187
	rs3771175	IL1RL1	0.44(0.21-0.91)	0.0218	3.31(1.24-8.8)	0.0167	0.0209
	rs6758936	IL18R1	0.46(0.25-0.83)	0.0071	2.37(1.17-4.82)	0.0172	0.0220
	rs5741812	LBP	0.64(0.28-1.49)	0.2952	3.56(1.25-10.13)	0.0175	0.0127
	rs3804100	TLR2	2.67(0.71-10.05)	0.1246	0.16(0.036-0.75)	0.0194	0.0102
	rs949963	IL1R1	0.73(0.41-1.32)	0.2957	2.55(1.16-5.60)	0.0196	0.0284
	rs3917225	IL1R1	1.75(1.06-2.89)	0.0258	0.47(0.25-0.90)	0.0224	0.0330
	rs1592458	IL18RAP	0.49(0.27-0.87)	0.0117	2.23(1.11-4.49)	0.0247	0.0329
	rs1833174	IL18RAP	0.49(0.27-0.87)	0.0117	2.23(1.11-4.49)	0.0247	0.0329
	rs672908	TIRAP	2.00(0.94-4.27)	0.0653	0.36(0.15-0.89)	0.0266	0.0295
	rs6531670	TLR6	1.68(0.96-2.97)	0.0672	0.45(0.22-0.91)	0.0269	0.0243
	rs7656411	TLR2	1.41(0.76-2.63)	0.2731	0.41(0.19-0.91)	0.0284	0.0365
	rs5743806	TLR6	1.68(0.96-2.97)	0.0672	0.46(0.23-0.94)	0.0319	0.0293
	rs230542	NFKB1	0.55(0.30-0.99)	0.0418	2.21(1.06-4.59)	0.0338	0.0465
	rs646005	TIRAP	1.38(0.79-2.42)	0.2569	0.47(0.23-0.94)	0.0339	0.0376
	rs6853	MYD88	2.14(0.87-5.26)	0.0845	0.30(0.10-0.92)	0.0354	0.0304

	rs1898830	TLR2	0.69(0.41-1.15)	0.1509	2.06(1.04-4.07)	0.0375	0.0293
	rs671492	TIRAP	0.57(0.29-1.12)	0.0934	2.43(1.05-5.63)	0.0392	0.0360
	rs591163	TIRAP	1.82(0.87-3.80)	0.1035	0.40(0.17-0.96)	0.0400	0.0450
	rs3774932	NFKB1	1.54(0.92-2.58)	0.0947	0.51(0.26-0.97)	0.0408	0.0402
	rs4090473	IL1RL1	1.57(0.91-2.71)	0.1010	0.50(0.26-0.98)	0.0448	0.0405
	rs3917296	IL1R1	2.17(0.82-5.7)	0.1042	0.31(0.097-0.98)	0.0456	0.0493
	rs7625290	MYD88	8.0(1.00-63.97)	0.0128	0.097(0.009-0.97)	0.0472	0.0326
	rs2233419	NFKBIA	1.83(0.91-3.70)	0.0840	0.42(0.18-0.99)	0.0486	0.0556
	rs1598856	NFKB1	1.5(0.90-2.51)	0.1201	0.52(0.27-0.99)	0.0495	0.0467
PIV	rs3213733	IL18R1	0.45(0.25-0.84)	0.0085	3.49(1.48-8.26)	0.0044	0.0048
	rs2075186	IL18RAP	0.44(0.23-0.82)	0.0071	3.43(1.44-8.15)	0.0053	0.0071
	rs10176820	IL18RAP	0.45(0.25-0.84)	0.0085	3.30(1.41-7.75)	0.0061	0.0081
	rs4851522	IL1R2	1.92(0.95-3.85)	0.0608	0.26(0.10-0.71)	0.0088	0.0084
	rs3917332	IL1R1	1.23(0.73-2.07)	0.4304	0.35(0.16-0.77)	0.0094	0.0102
	rs2192752	IL1R1	1.38(0.81-2.33)	0.2323	0.36(0.17-0.79)	0.0103	0.0105
	rs1039559	TLR6	0.59(0.37-0.94)	0.0253	2.39(1.22-4.65)	0.0107	0.0098
	rs1558642	IL1R1	1.38(0.81-2.33)	0.2323	0.36(0.17-0.80)	0.0115	0.0120
	rs1041973	IL1RL1	0.47(0.27-0.84)	0.0083	2.71(1.24-5.91)	0.0121	0.0125
	rs3771175	IL1RL1	0.50(0.26-0.95)	0.0292	3.46(1.30-9.22)	0.0133	0.0132
	rs10025405	TLR3	1.66(1.04-2.62)	0.0295	0.44(0.23-0.85)	0.0148	0.0115
	rs11465861	IRAK2	1.04(0.61-1.76)	0.8927	0.38(0.17-0.85)	0.0177	0.0164
	rs10008492	TLR10	1.57(0.98-2.52)	0.0583	0.44(0.22-0.87)	0.0179	0.0072
	rs11096957	TLR10	1.66(1.04-2.62)	0.0295	0.45(0.23-0.87)	0.0182	0.0089
	rs543810	IL18	1.27(0.64-2.49)	0.4922	0.30(0.11-0.82)	0.0189	0.0284
	rs3808916	CHUK	0.44(0.18-1.06)	0.0572	4.29(1.25-14.74)	0.0209	0.0134
	rs11465702	IL18RAP	0.46(0.23-0.91)	0.0216	3.17(1.19-8.46)	0.0215	0.0229
	rs6531670	TLR6	1.48(0.93-2.38)	0.0979	0.45(0.23-0.89)	0.0220	0.0129
	rs4130727	TLR10	2.07(1.10-3.92)	0.0208	0.33(0.13-0.86)	0.0224	0.0154
	rs4090473	IL1RL1	1.50(0.93-2.42)	0.0932	0.48(0.25-0.91)	0.0251	0.0189
	rs5743806	TLR6	1.48(0.93-2.38)	0.0979	0.47(0.24-0.92)	0.0282	0.0172
	rs11465730	IL18RAP	0.74(0.46-1.17)	0.1971	2.08(1.08-3.99)	0.0283	0.0292
	rs1927907	TLR4	0.27(0.09-0.80)	0.0092	3.75(1.06-13.29)	0.0406	0.0396
	rs917998	IL18RAP	2.14(0.87-5.26)	0.0845	0.25(0.07-0.97)	0.0453	0.0350
RSV	rs9403	NFKBIB	0.80(0.52-1.24)	0.3227	2.35(1.15-4.81)	0.0196	0.0192
	rs730775	NFKBIE	0.78(0.52-1.19)	0.2483	2.19(1.11-4.31)	0.0240	0.0209
	rs671492	TIRAP	1.42(0.86-2.35)	0.1647	0.38(0.16-0.88)	0.0244	0.0198
	rs973635	IL1RN	1.59(0.87-2.91)	0.1300	0.33(0.13-0.88)	0.0267	0.0211
	rs520639	NFKBIE	1.8(0.96-3.38)	0.0622	0.35(0.13-0.95)	0.0404	0.0526

rs4251513	IRAK4	0.85(0.57-1.26)	0.4139	1.92(1.01-3.67)	0.0484	0.0508
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