

**Supplementary Table S1. The Meta-analyses of Observational Studies in Epidemiology (MOOSE) Checklist**

	<b>Item</b>	<b>Section name and paragraph number within manuscript</b>
	<b>Introduction</b>	
1	Provide epidemiology and etiology of the disease focused in this meta-analysis	Introduction, first paragraph
2	Provide a detailed reason for the polymorphism studied; provide a detailed justification for the populations studied.	Introduction, second paragraph
	<b>Materials and Methods</b>	
3	Provide full details of search strategy employed; outline the full electronic search strategy and databases, including time period included in the synthesis and articles published in languages other than English. Specify whether synonyms of gene/polymorphism/disease were searched.	Materials and methods, Literature searches subheading, first paragraph
4	Report full details on the inclusion and exclusion criteria applied for selecting studies.	Materials and methods, Evaluation criteria subheading, second paragraph
5	Description of statistical methods ( <i>e.g.</i> , complete description of fixed or random effects models, methods of handling heterogeneity within studies, method of estimating publication bias).	Materials and methods, Statistical analyses subheading, fourth paragraph
6	Describe steps taken to contact study authors to identify additional studies and to request missing data.	Materials and methods, Literature searches subheading, first paragraph
7	Describe how environmental effects were adjusted for, if this adjustment was not conducted, outline the reason for this.	Discussion, fourth paragraph
8	Describe how the Hardy-Weinberg equilibrium and linkage disequilibrium were assessed.	Does not supply
9	Describe whether an assessment of the effect among different ethnicities has been conducted.	Discussion, third paragraph
10	Describe whether a sensitivity analysis has been conducted.	Materials and methods, Statistical analyses subheading, fourth paragraph
	<b>Results</b>	
11	Provide a flow diagram for the studies included in the meta-analysis as the figure 1 for the manuscript	Results Study Characteristics subheading, first paragraph, <a href="#">Figure 1</a>
12	Provide a table giving descriptive information for each study included	Results Study Characteristics subheading, first paragraph, <a href="#">Table 1</a>
13	Report the effect size estimates and <i>P</i> values for each analysis model.	Results Overall analysis, Subgroup analysis subheading, second to sixth paragraph, <a href="#">Figure 2-Figure 5</a>
14	Quantitative assessment of bias ( <i>e.g.</i> , publication bias)	Results Publication bias subheading, seventh paragraph, <a href="#">Figure 6</a>
	<b>Discussion</b>	
15	Assessment of quality of included studies	Discussion fourth paragraph
16	If the meta-analysis identifies an association with a subgroup of the population studied but not another, discuss the implications of these results.	Discussion third paragraph
17	Provide guidelines for future research	Discussion fifth paragraph