192 abstracts returned from PubMed, EMBASE, Scopus, and HuGE Literature Finder

204 titles and abstracts screened

159 records excluded

45 full-text articles assessed for eligibility

22 full-text articles excluded:
3: Unreported genotype frequencies
3: Incorrect phenotype
4: Shared subjects with newer study
7: Cross-sectional study design
3: Family-based study design
2: Case-only study design

11 articles identified from reference lists of articles retained for review

1 in press article added to review

23 studies included for systematic review and meta-analysis