List of Tables

CHAPTER 3

Table 3.1: The inclusion and exclusion criteria for the recruitment of asthma patients and families

Table 3.2: Characteristics of the patient and the control groups (case-control study) and the probands (family based study).

Table 3.3: Genes selected for the study.

Table 3.4: Details of Primers used for genotyping IFNG and LTC4S polymorphisms.

CHAPTER 4 (SECTION 4.1)

Table 4.1.1: Polymorphisms genotyped for the study.

CHAPTER 4 (SECTION 4.2)

Table 4.2.1: Selection of TagSNPs.

Table 4.2.2: Results of family based and case-control single marker association analysis (allelic) with asthma and the combined p values.

Table 4.2.3: Significantly associated genes/polymorphisms in family based and case-control association studies (allelic).

Table 4.2.4: Results of the allelic association analysis using FBAT.

Table 4.2.5: Results of the genotypic association analysis using FBAT.

Table 4.2.6: Results of haplotypic analysis (with asthma) in families and case-control cohort.

Table 4.2.7: Results of transmission disequilibrium test (TDT) in families and frequency differences between cases and controls for the five marker haplotypes (sliding window) of IRF2 gene.
Table 4.2.8: Results of transmission disequilibrium test (TDT) in families and frequency differences between cases and controls for the five marker haplotypes of IFNG gene.

Table 4.2.9: Three locus sliding windows analysis of IFNG gene polymorphisms including the microsatellite repeat.

Table 4.2.10: Results of transmission disequilibrium test (TDT) in families and frequency differences between cases and controls for the three marker haplotypes of IL-6 gene

Table 4.2.11: Results of transmission disequilibrium test (TDT) in families and frequency differences between cases and controls for the five marker (sliding window) haplotypes of STAT4 gene.

Table 4.2.12: Results of transmission disequilibrium test (TDT) in families and frequency differences between cases and controls for the five marker haplotypes of IFNGR2 gene.

Table 4.2.13: Results of transmission disequilibrium test (TDT) in families and frequency differences between cases and controls for the four marker haplotypes of STAT6 gene.

Table 4.2.14: Results of transmission disequilibrium test (TDT) in families and frequency differences between cases and controls for the five marker haplotypes (sliding window) of IL4RA gene.

Table 4.2.15: Results of allelic association analysis with log10 serum total IgE.

Table 4.2.16: Association of five loci haplotypes in IRF2 gene with log10 serum total IgE.

Table 4.2.17: Family based association tests for IFNG (CA)n repeat with binary trait asthma.

CHAPTER 4 (SECTION 4.3)

Table 4.3.1: Genes categorized into different signal transduction pathways/biological categories for gene-gene interactions.
Table 4.3.2: Two locus Gene×Gene interaction among SNPs from logistic regression models.

Table 4.3.3: Best one, two and three locus models assessed by MDR method.

APPENDIX 1

TABLE A1: Results of bi-alleleic and multiallelic genotypic association analysis using FBAT.

TABLE A2: Results of alleleic association analysis of SNPs in families.

TABLE A3: Results of allelic and Genotypic association analysis in case-control cohort.

TABLE A4: SNPs with previous reports of association included in this study.