

Title: Supplementary Data 1:

Description: GWS signals associating with asthma in Iceland-UK meta analyses.

Title: Supplementary Data 2:

Description: Known variants ($LD\ r^2 \geq 0.2$) at previously reported loci

Title: Supplementary Data 3:

Description: Unreported variants ($LD\ r^2 \geq 0.2$) at previously reported loci

Title: Supplementary Data 4:

Description: Replication of the 36 previously published asthma loci of European-ancestry in Icelandic UK meta-analysis.

Title: Supplementary Data 5:

Description: Novel asthma variants at previously reported loci reported in Ferreira et al. (PMID:29083406) for a combined phenotype of asthma, hay fever and eczema.

Title: Supplementary Data 6:

Description: Whole blood eQTL variants correlated ($r^2 \geq 0.8$) with asthma lead variants

Title: Supplementary Data 7:

Description: Coding variants strongly correlated ($r^2 > 0.8$) with novel asthma associated sequence variants

Title: Supplementary Data 8:

Description: eQTL variants correlated with novel asthma lead variants found in whole blood, esophagus mucosa, Lung, EBV-transformed lymphocytes and Transformed fibroblasts in the Gtex database.

Title: Supplementary Data 9:

Description: Functional annotations of previously unreported asthma variants

Title: Supplementary Data 10:

Description: Classical HLA alleles correlating with asthma in the Icelandic cohort

Title: Supplementary Data 11:

Description: Effect of genome wide significant Asthma variants on eosinophil count.

Title: Supplementary Data 12:

Description: Effect of the 88 GWAS significant asthma associating variants on asthma subphenotypes and other allergic diseases

Title: Supplementary Data 13:

Description: Genes prioritized with DEPICT pathway analysis

Title: Supplementary Data 14:

Description: Gene sets found enriched in the 88 GWS asthma risk variants using DEPICT pathway analysis