Description of Additional Supplementary Files

File Name: Supplementary Data 1
Description: **Total set of 10487 candidate SNPs for 21 inflammatory diseases.**

File Name: Supplementary Data 2
Description: **CLUES-based selection tests for 9102 candidate SNPs mapped on RELATE trees with VEP annotations.** Note that 9102 unique SNPs have 9235 entries (rows) in this table. This is because some SNPs can be associated with multiple diseases. As a result, such SNPs would have distinct PICS scores for different diseases and multiple entries.

File Name: Supplementary Data 3
Description: **Evolutionary scenarios.** Classifications at LD block level and disease loci accompany Figure 3

File Name: Supplementary Data 4
Description: **Revisiting published evidence on selection in inflammatory disease risk loci.**

  a CLUES-based selection tests from this study. Evidence for selection, \( \log LR \geq 1.59 \)

  b Selection test based on iHS from Raj et al 2013. Evidence for selection, \( |iHS| \geq 2| \)

File Name: Supplementary Data 5
Description: **Candidate SNPs in balancing haplotypes.** Data on balancing haplotypes from (Siewert & Voight, 2017).

  a Start and End positions are taken from the 'SNPs_in_Haplotype' field of 'TopScoringHapsAllChromIncXCEU.txt' file.

  b,c Inferences on Age and logLR are taken from CLUES analysis. We note that such inferences are not applicable for balancing haplotypes and are given for general interest.

File Name: Supplementary Data 6
Description: **Expression QTL datasets searched for candidate SNP matches.** eQTL summary data for each tissue/cell type was retrieved from the eQTL Catalogue project (https://www.ebi.ac.uk/eqtl/). eQTL Catalogue stores uniformly processed gene expression and splicing QTLs from published studies.

File Name: Supplementary Data 7
Description: **Candidate SNPs annotated with matching eQTLs.** There are only 919 matching eQTLs significant at FDR 10%

File Name: Supplementary Data 8
Description: **Effective population size (Ne) parameters inferred for Estonian population**