

Description of Additional Supplementary Files

Supplementary Data 1: CRISPR KO screening hits that lead to loss of IL-1 β production.

Supplementary Data 2: CRISPR KO screening hits that increase intracellular levels of IL-1 β .

Supplementary Data 3: L2G scores from Open Targets for published GWAS, FinnGen and UK Biobank.

Supplementary Data 4: Distribution of the rs748670681 variant allele in different ancestral groups.

Supplementary Data 5: Immune-mediated diseases associated with rs748670681 in the Finnish population (FinnGen DF9).

Supplementary Data 6: Genes differentially expressed in rs74867068-**TT** U937 cells.

Supplementary Data 7: Genes differentially expressed in WIP12 knockout U937 cells.

Supplementary Data 8: Genes differentially expressed in TNRC18 knockout U937 cells.

Supplementary Data 9: Single guide RNA sequences.