

Description of Additional Supplementary Files

Supplementary Data 1: Summary of sequencing details and quality control for ChIP-seq, ATAC-seq, RNA-seq and ChRO-seq data generated.

Supplementary Data 2: Summary of conserved RELA binding and preserved RELA binding modes in human, mouse and bovine.

Supplementary Data 3: Complete lists of pathway enrichment analysis performed.

Supplementary Data 4: Complete results and position weight matrices for motif enrichments performed.

Supplementary Data 5: List of RT-qPCR primers and genotyping primers used.

Supplementary Data 6: List of Cas9 guides used.

Supplementary Data 7: Annotation of human RELA peak modes, conservation, and overlaps with HGMD mutations.

Supplementary Data 8: Detailed results for the RELI analysis comparing RELA binding to GWAS.