

Description of Additional Supplementary Files

Supplementary Data 1: Sample information.

This file contains metadata for all samples included in the study, including library identifiers, experimental modality, donor age, age group classification, sex, and tissue category (e.g., control or CKD).

Supplementary Data 2: Validation & Benchmarking datasets.

This file lists the external datasets used for validation and benchmarking analyses, including target factors, experimental modality (e.g., ChIP-seq, CUT&RUN), and corresponding accession numbers for data.

Supplementary Data 3: Mean insertions in mitochondria regions for different samples.

This file provides the average number of insertions mapped to mitochondrial DNA regions for each sample, identified by library ID.