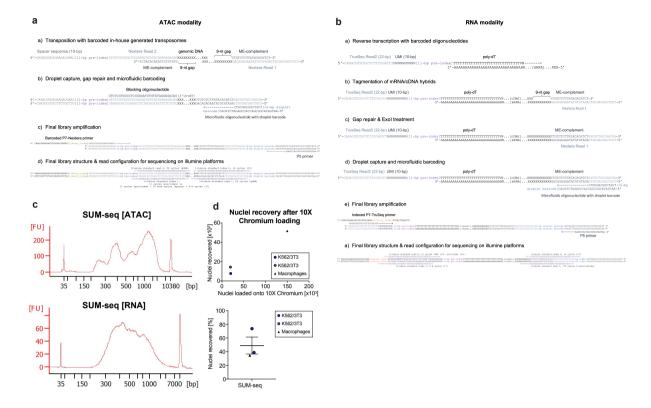
## **Extended Data Figures**



## Extended Data Figure 1. Detailed library structures of SUM-seq and performance metrics

**a**, Detailed outline with oligonucleotide sequences of the ATAC modality of SUM-seq for each step of the experimental workflow. **b**, Detailed schematic outline with oligonucleotide sequences of the RNA modality of SUM-seq. **c**, Bioanalyzer profiles of final SUM-seq snATAC- (upper panel) and snRNA-seq (lower panel) libraries. **d**, Raw recovery values (upper panel) and percentages (lower panel) of nuclei recovery before and after 10x Chromium loading.