Single-nucleus multimodal sequence Single-nucleus multimodal sequence snRNA-seq Open chromatin intensity matrix P1 P2 P3 P4 P5

Embedded scRNA and scATAC datasets

The cell counts **must** be identical in scRNA and scATAC dataset.

- Using scJoint to unify cell type annotations, and pairing individual cells using scOptmatch is highly recommended.
- Make sure the samples can be embedded reasonably,



