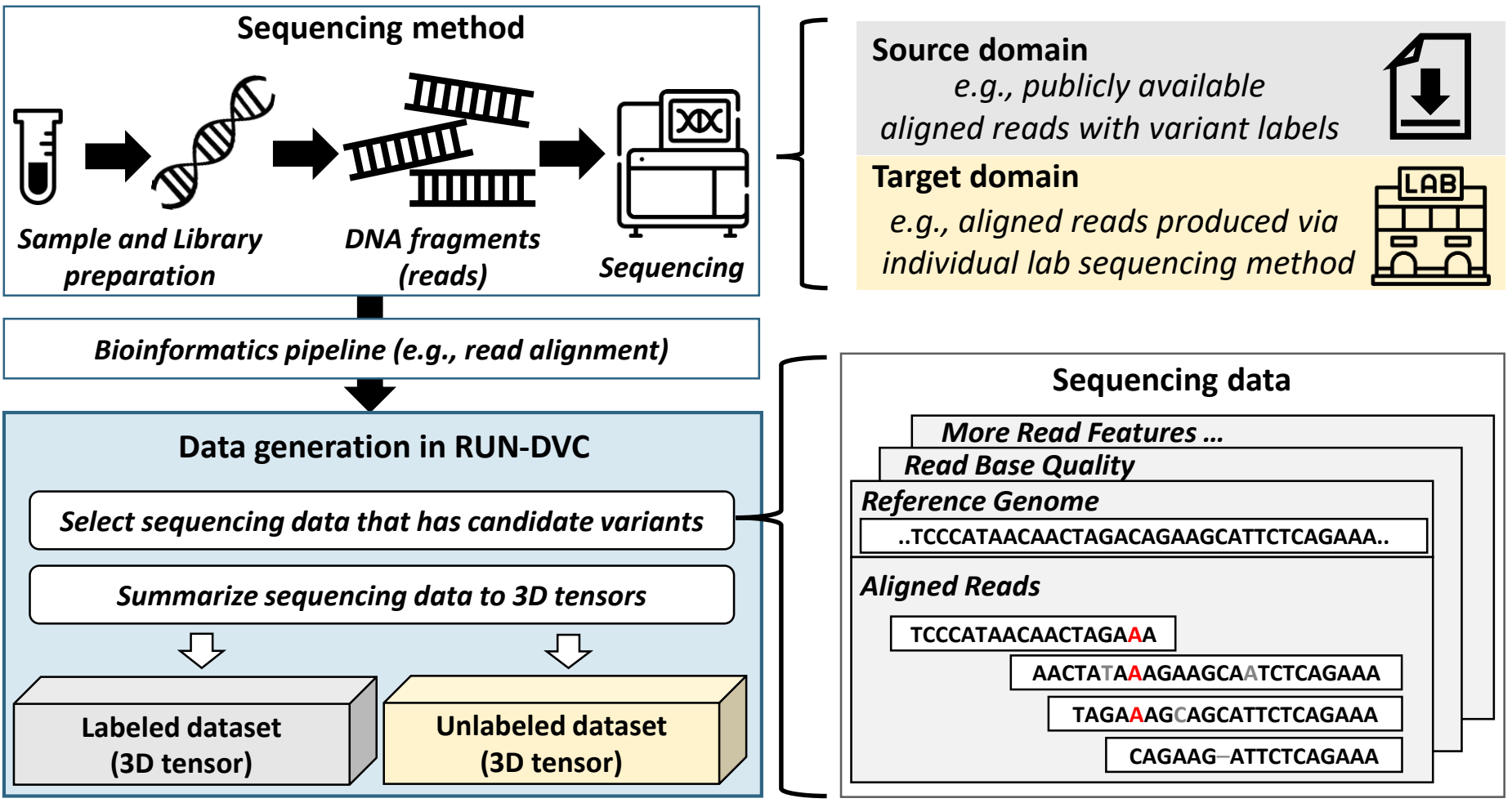
Sequencing method
Sample and Library preparation
DNA fragments (reads)
Sequencing
Source domain
e.g., publicly available aligned reads with variant labels
Target domain
e.g., aligned reads produced via individual lab sequencing method
LAB
Bioinformatics pipeline (e.g., read alignment)
Data generation in RUN-DVC
Select sequencing data that has candidate variants
Summarize sequencing data to 3D tensors
Labeled dataset (3D tensor)
Unlabeled dataset (3D tensor)
Sequencing data
More Read Features …
Read Base Quality
Reference Genome
..TCCCATAACAACTAGACAGAAGCATTCTCAGAAA..
Aligned Reads
TCCCATAACAACTAGAAA
AACTATAAAGAAGCAATCTCAGAAA
TAGAAAGCAGCATTCTCAGAAA
CAGAAG–ATTCTCAGAAA