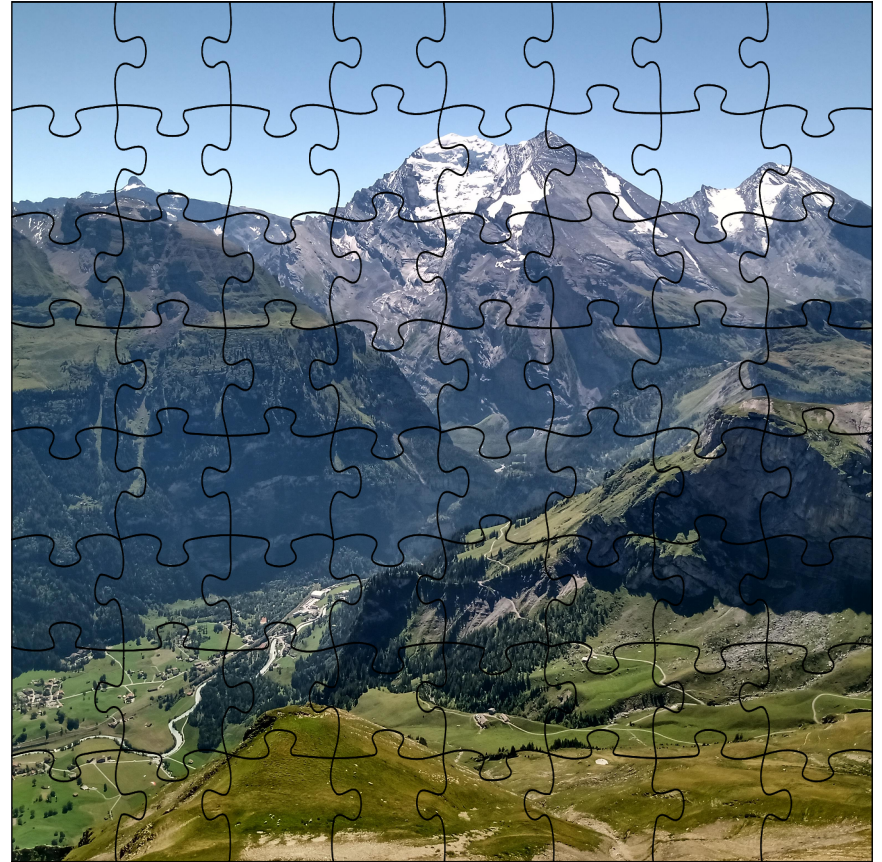
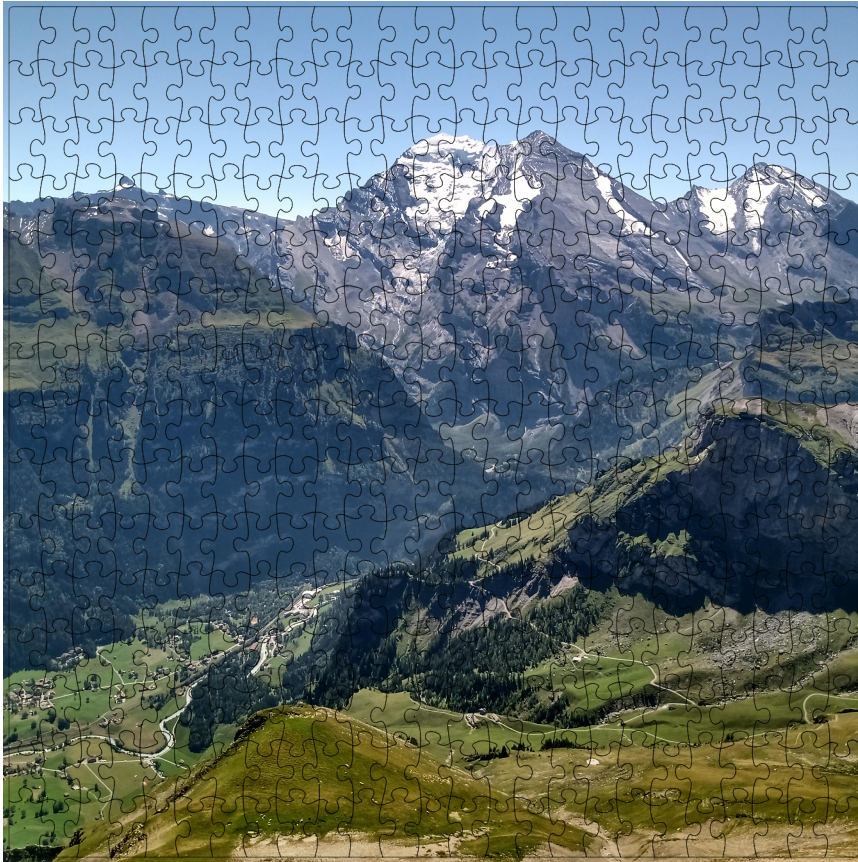


# Long-read sequence analysis

Applications

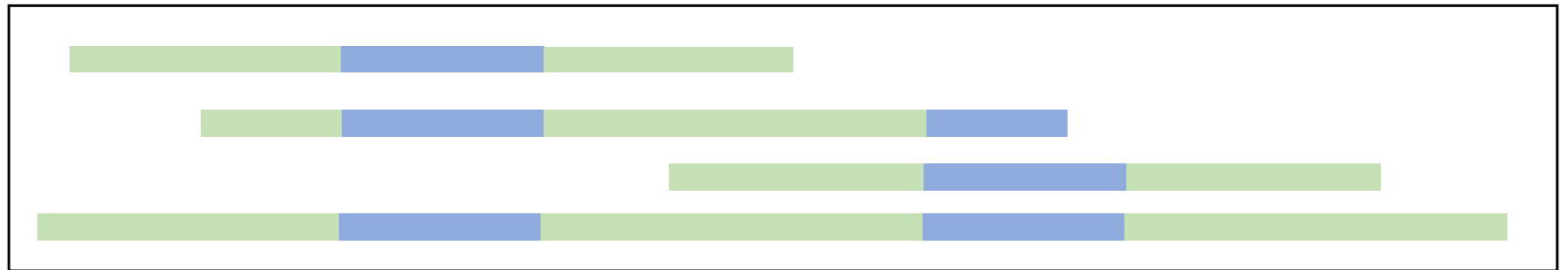
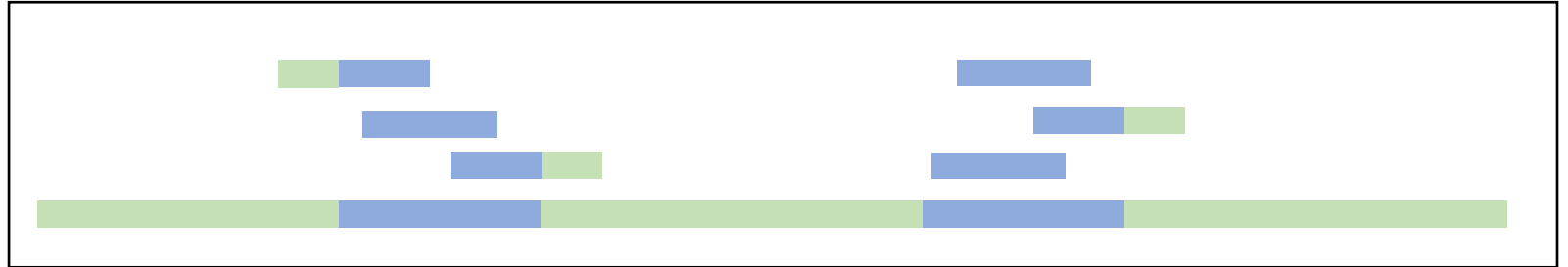
# Why long reads?



# Applications

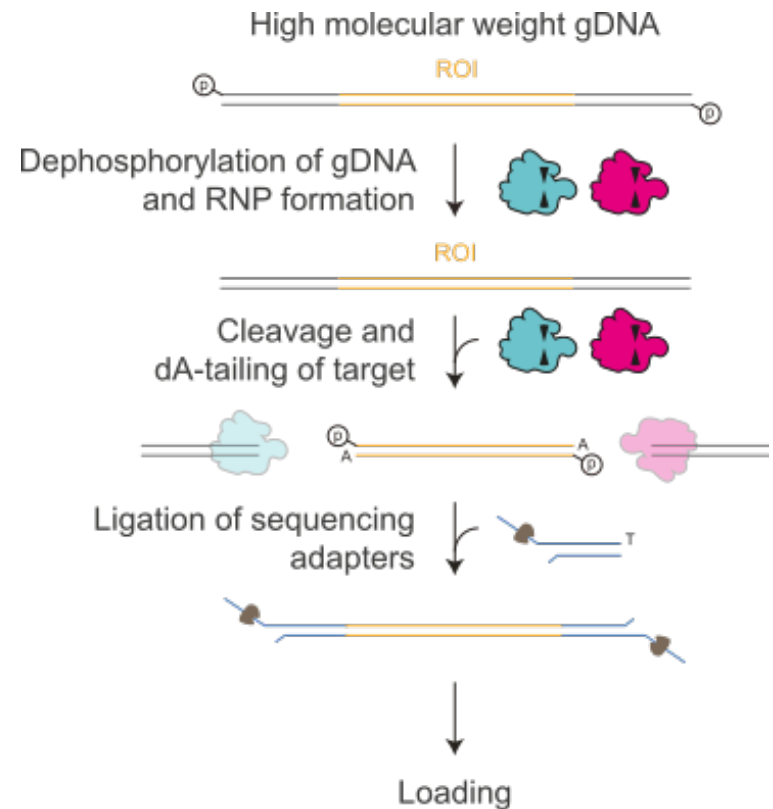
- (Genome/transcriptome) assembly
- Repeats/structural variation
- Haplotyping
- Splice variation

# Mapping and assembly

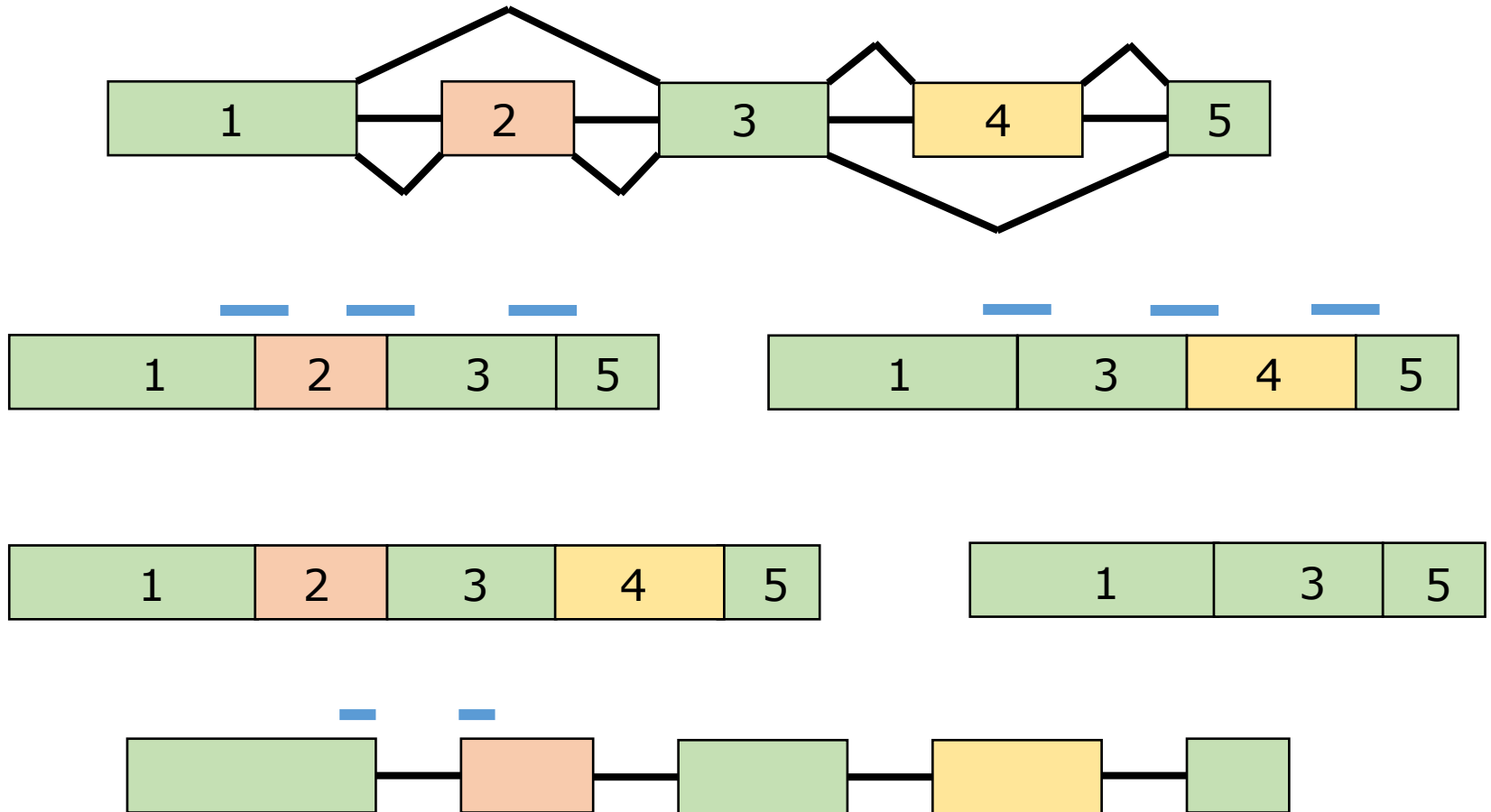


# New possibilities

- Cas9 based targeting (both PacBio & ONT)
- Adaptive sampling (ONT)
- Direct RNA (ONT)



# Isoform variation - project 1



# Repeat expansion - project 2

