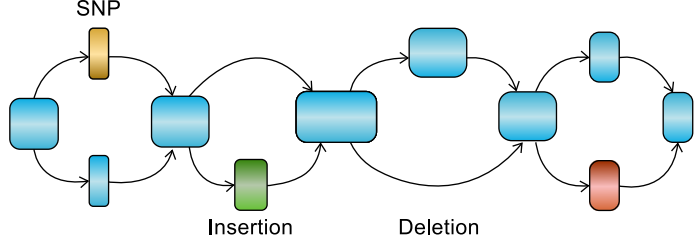
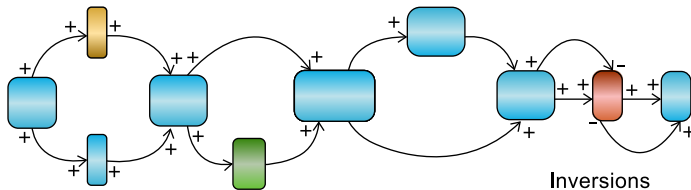


Multiple sequence alignment



Directed acyclic genome graph (*Graphtyper*)



Bidirected genome graph (*vg*, *minigraph*)