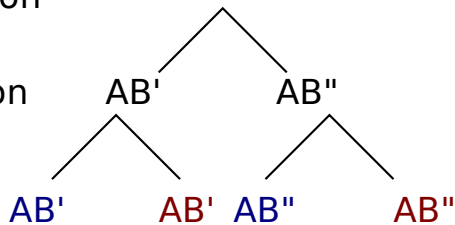


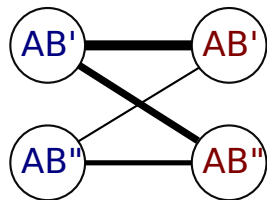
A

Duplication

Speciation

**B**

Alignment Scores

**C**

Rank

Unique Alignment Filter

- 1 AB' - AB' \longrightarrow unique
- 2 AB' - AB'' \longrightarrow AB' seen before
- 3 AB'' - AB'' \longrightarrow unique
- 4 AB'' - AB' \longrightarrow AB'' and AB' seen before