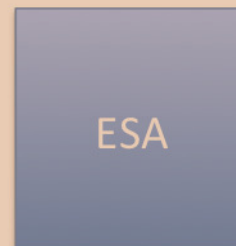


Reference genome



Phase 1: Construction of Full-text index data structure

Query genome:

Chunk 1

Chunk 2

Chunk
n-1

Chunk n

MUM candidates



Phase 2: Search for Maximal Unique Matches

Get real MUMs

Phase 3: Sort and discard MUM-candidates which are not unique