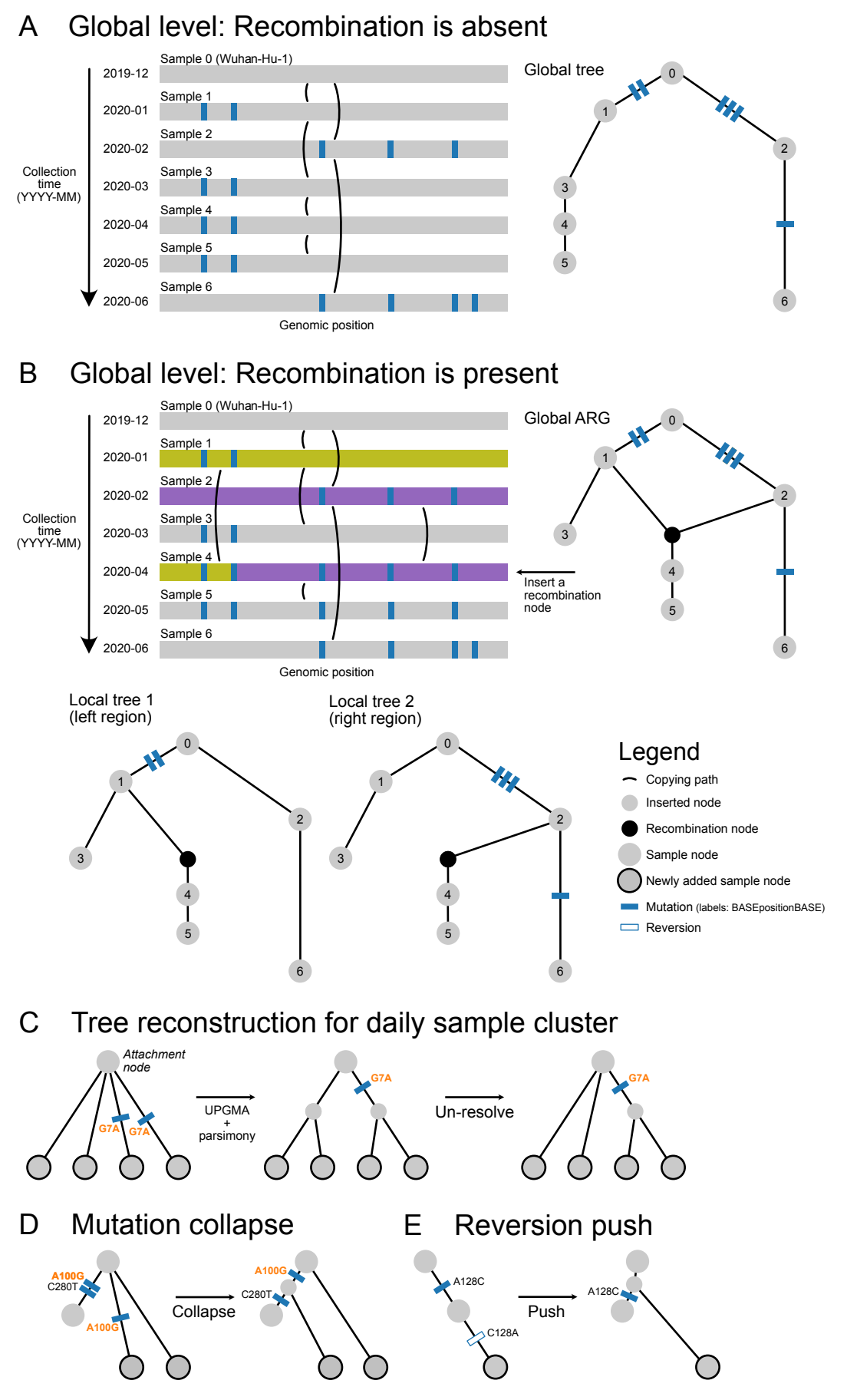
A Global level: Recombination is absent
Sample 0 (Wuhan-Hu-1)
2019-12
Sample 1
2020-01
Sample 2
2020-02
Sample 3
2020-03
Sample 4
2020-04
Sample 5
2020-05
Sample 6
2020-06
Collection time (YYYY-MM)
Genomic position
Global tree
B Global level: Recombination is present
Global ARG
Insert a recombination node
Local tree 1 (left region)
Local tree 2 (right region)
Legend
Copying path
Inserted node
Recombination node
Sample node
Newly added sample node
Mutation (labels: BASEpositionBASE)
Reversion
C Tree reconstruction for daily sample cluster
Attachment node
G7A
UPGMA + parsimony
Un-resolve
D Mutation collapse
A100G
C280T
Collapse
E Reversion push
A128C
C128A
Push