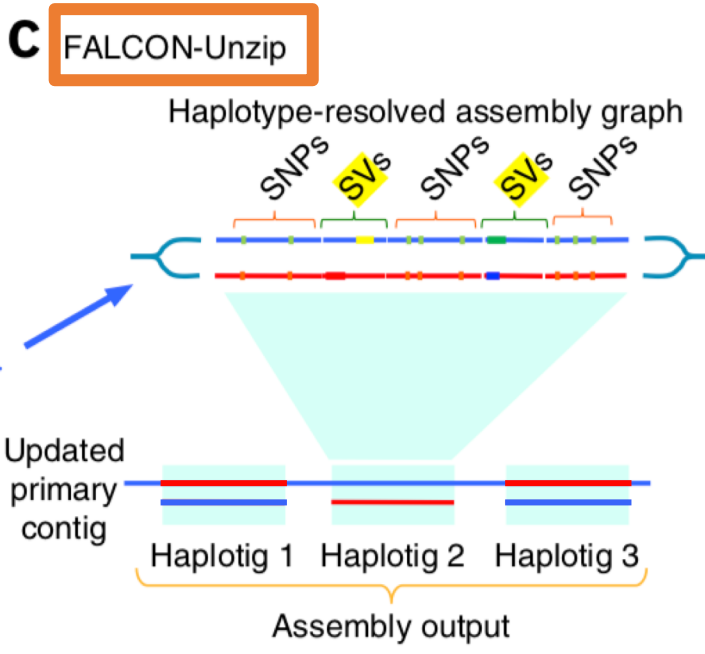
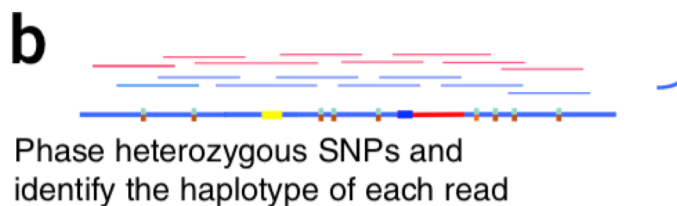
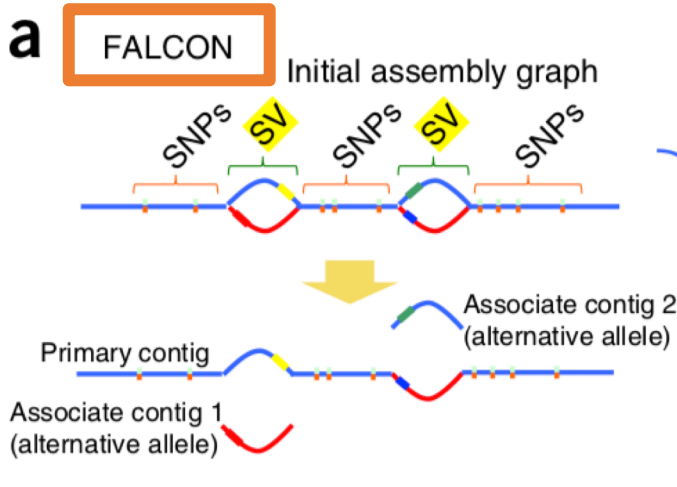
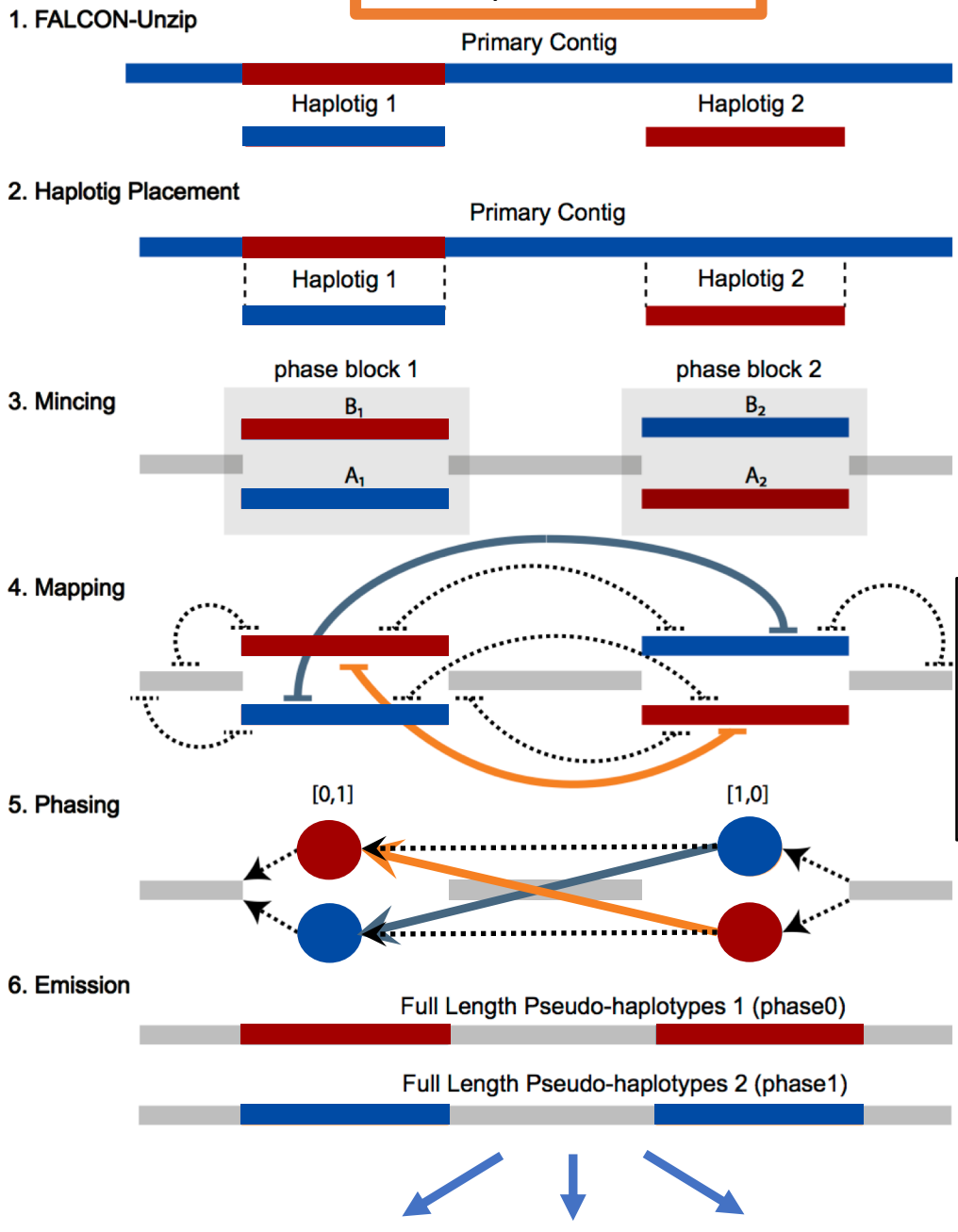


phase0   Homologous chromosomes
 phase1  

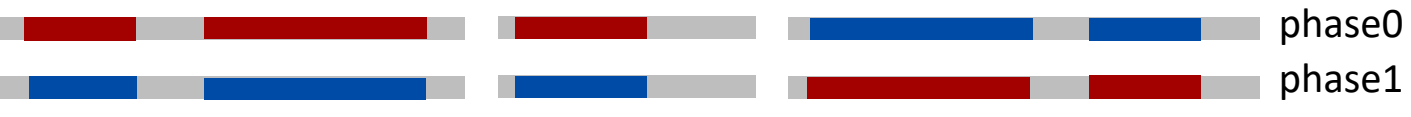


Falcon-phase round1



/!\ Color referential modified. Compare to the original drawing, blue and red colors refer here to the original `chromosome phase`. (originally it refers to primary contigs and haplotigs). The primary contigs and haplotigs are quite self-evident in the drawing.

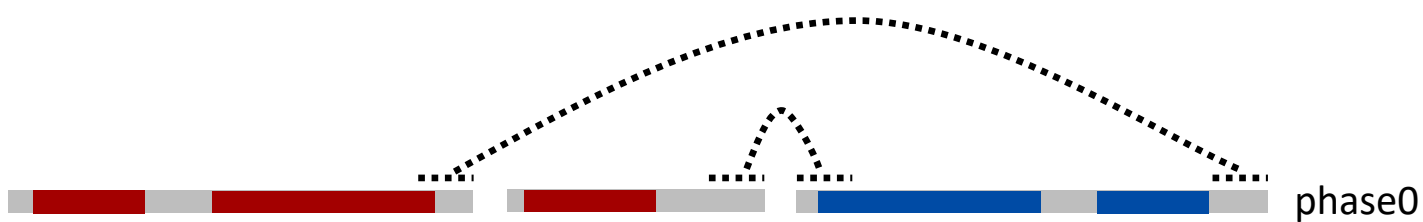
Phased contigs



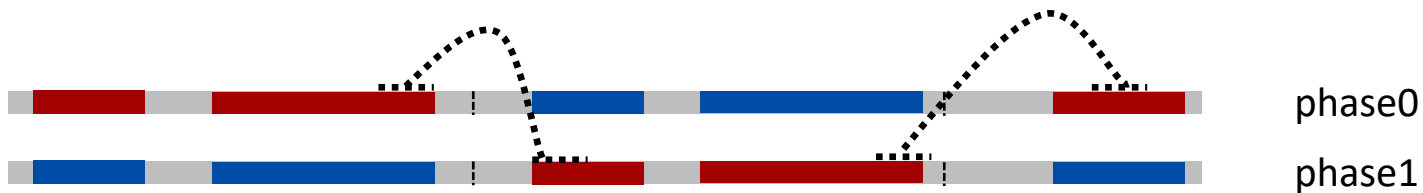
The output of FALCON-Phase is two full length haplotigs for phase 0 and 1 of comparable length to the original FALCON-Unzip primary contig.

scaffolding

ALLHiC / Lachesis / Salsa2 / 3D-DNA



Falcon-phase round2



Phased scaffold

=> chromosome-scale phased pseudo-diploid assembly

