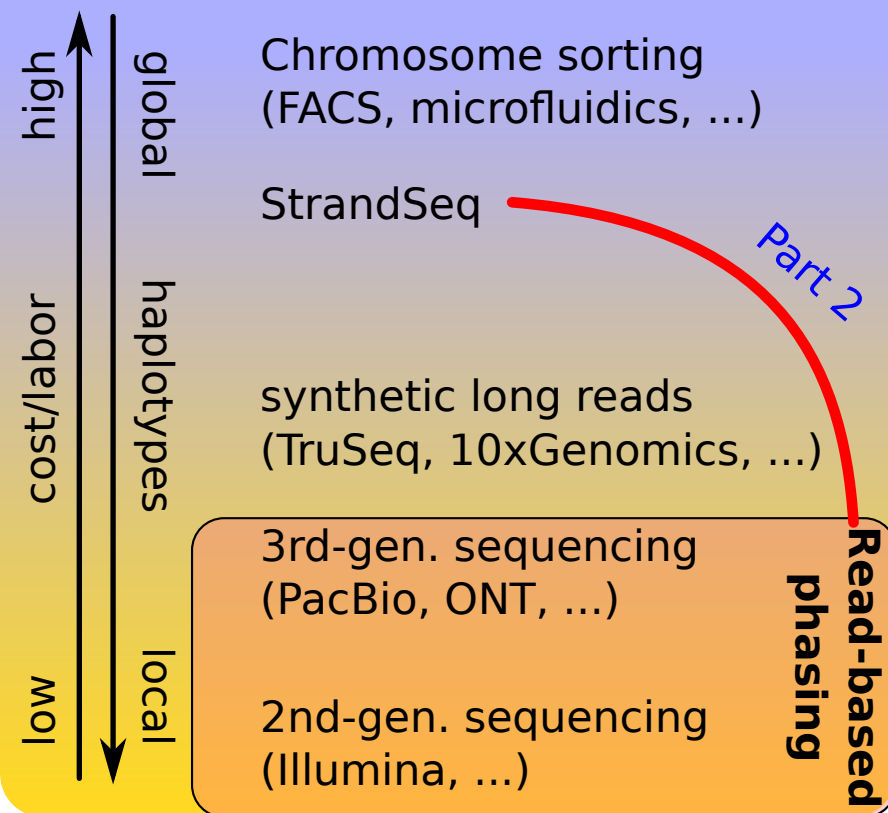
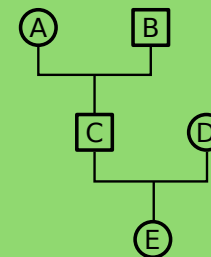


Molecular Haplotyping



Genetic Haplotyping



A: 0/1 1/1 0/1 0/0
B: 0/1 0/0 0/1 0/1
C: 1/1 0/1 0/1 0/0
D: 0/1 1/1 1/1 0/1
E: 0/1 0/1 0/1 0/0

Use genotypes across a pedigree

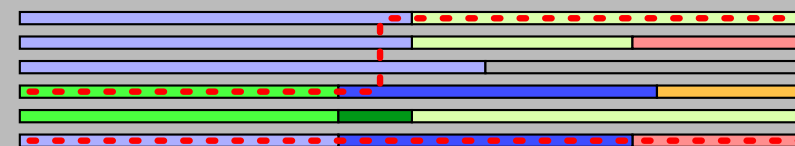
Part 1

Part 2

SHAPEIT extension
(Delaneau et al., 2013)

Supported by most
packages for
statistical phasing
(SHAPEIT, beagle, etc.)

Statistical Phasing



Use genotypes/haplotypes from a
reference population

Part 3: haplotype-aware denovo assembly