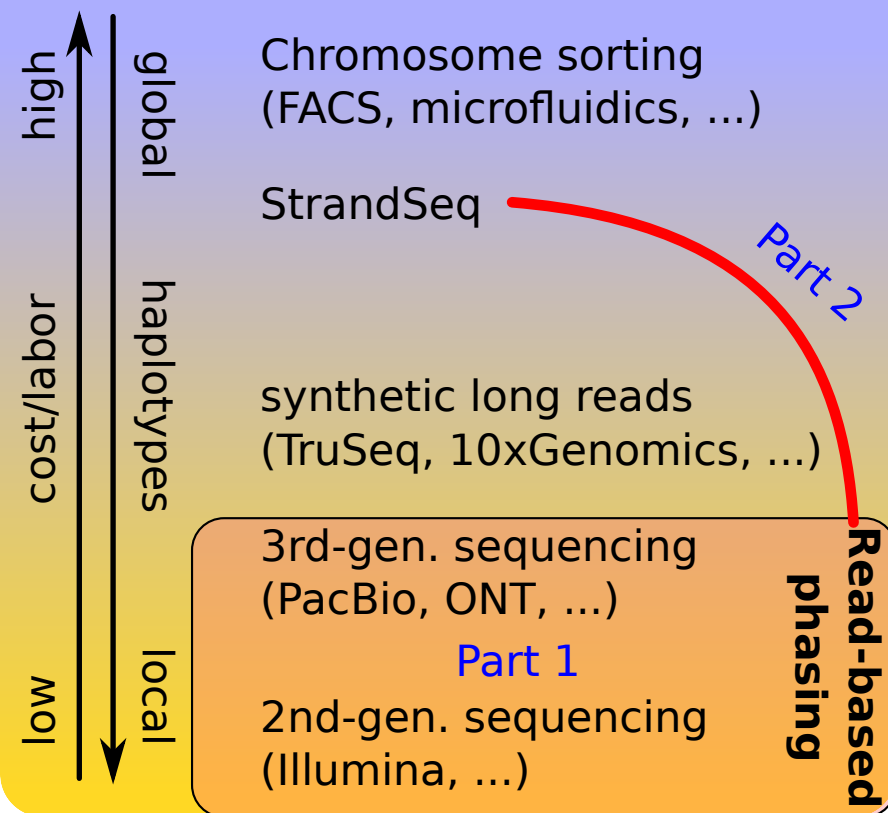
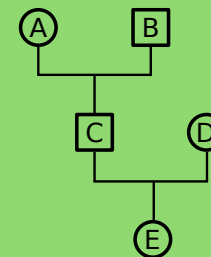


Molecular Haplotyping



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

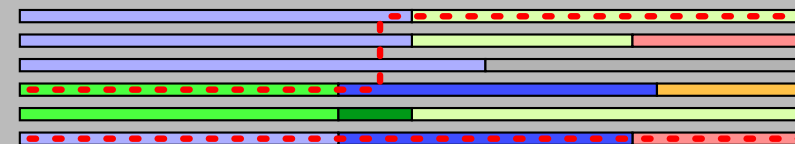
Use genotypes across a pedigree

Part 3

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

SHAPEIT extension (Delaneau et al., 2013)

Statistical Phasing



Use genotypes/haplotypes from a reference population

Part 4: Haplotype-aware denovo assembly