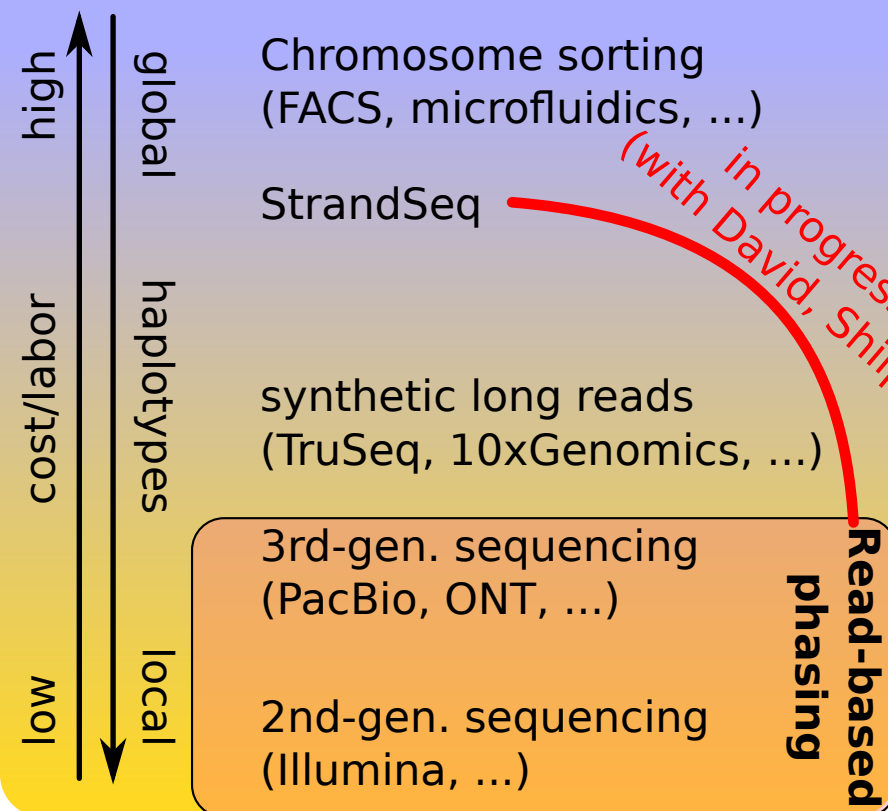
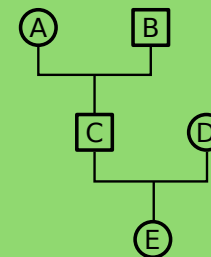


Molecular Haplotyping



Genetic Haplotyping



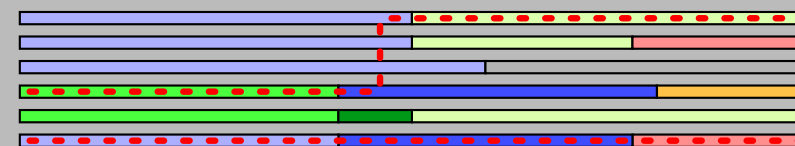
Individual	Allele 1	Allele 2	Allele 3	Allele 4
A	0/1	1/1	0/1	0/0
B	0/1	0/0	0/1	0/1
C	1/1	0/1	0/1	0/0
D	0/1	1/1	1/1	0/1
E	0/1	0/1	0/1	0/0

Use genotypes across a pedigree

Integrating all three signals is OPEN

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

Statistical Phasing



Use genotypes/haplotypes from a reference population

in progress Garg, Martin, Marschall (ISMB, 2016)
(with David, Shilpa)

SHAPEIT extension (Delaneau et al., 2013)