Molecular Haplotyping

Chromosome sorting
(FACS, microfluidics, ...)
StrandSeq

haplotypes

cost/labor

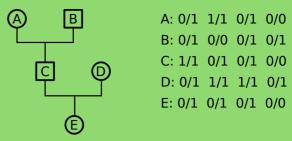
synthetic long reads (TruSeq, 10xGenomics, ...)

phasing

3rd-gen. sequencing (PacBio, ONT, ...)

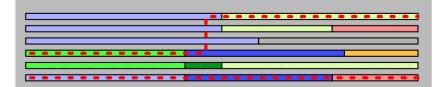
2nd-gen. sequencing (Illumina, ...)

Genetic Haplotyping



Use genotypes across a pedigree

Statistical Phasing



Use genotypes/haplotypes from a reference population