

Sensing



Alignment



Allelotyping

1. Sensing

Detect informative STR reads



ACGGCTAGC **GTGTGTGTGTGT** GCACAGAGT



Determine repeat unit



GT

2. Alignment

Anchor flanking regions to reference



Return # repeat units



GTx 6

3. Allelotyping

Determine maximum likelihood
allelotype at each STR locus



GTx 6

GTx 8