Trio's BAM/ CRAM (father, mother, child),
Reference FASTA

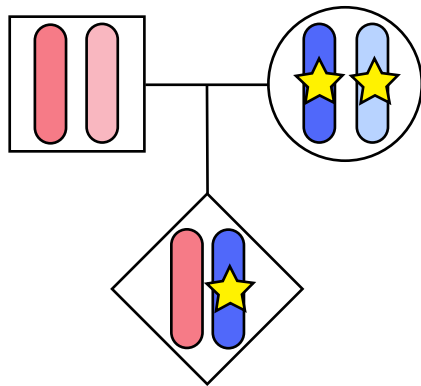## VARIANT CALLING

Samtools mpileup

VARIANT GROUPING

Group A variants : One parent is 0/0, the other is 1/1

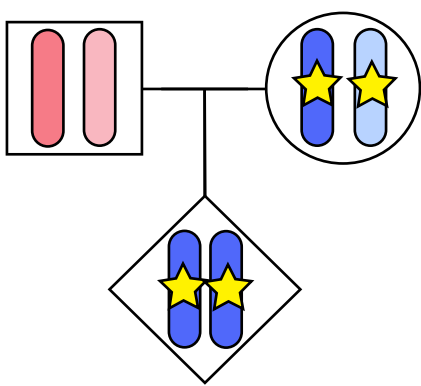Group B variants: One parent is 0/0, the other is 0/1
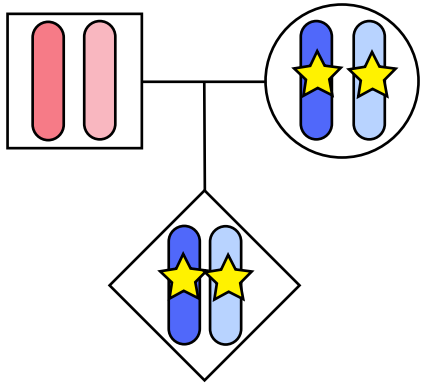
UPD PATTERN DETECTION

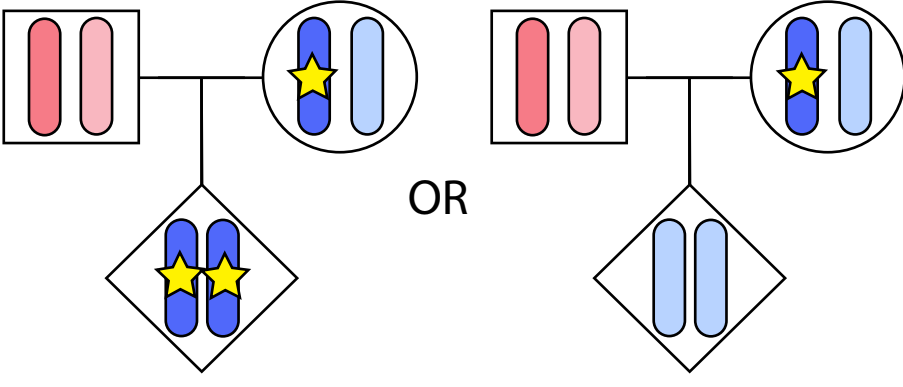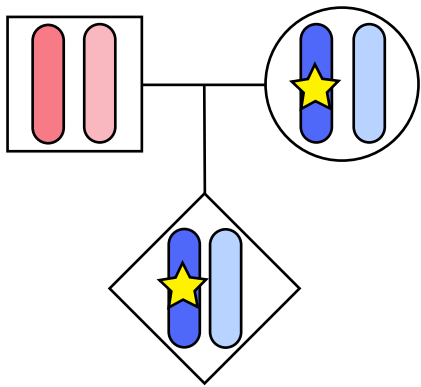|	Normal	UPD isodisomy	UPD heterodisomy
GroupA variant	Child's Expected VAF=0.5	Child's Expected VAF=1	Child's Expected VAF=1
GroupB variant	Child's Expected VAF=0.5 or 0	Child's Expected VAF=1 or 0	Childs' Expected VAF= 0.5

UPD Classification (BED),
VAF & Depth Plot,
Segmentation result (TSV),
SNP list