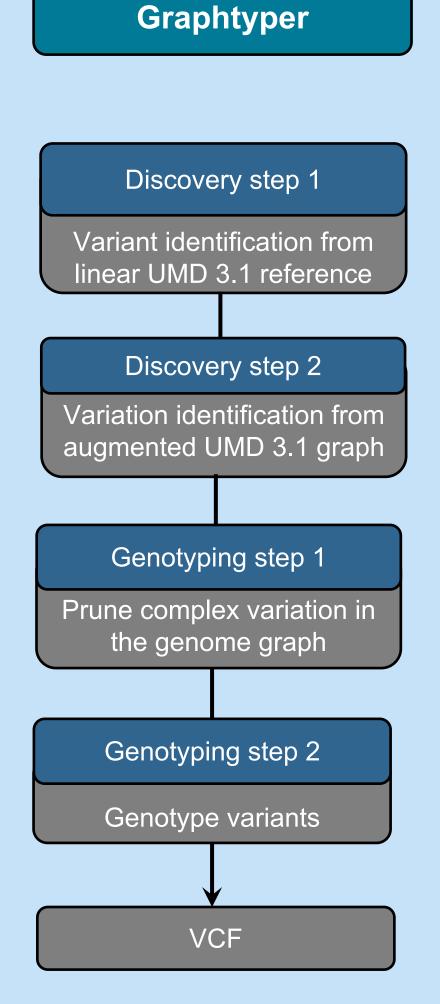
Analysis-ready BAM

GATK Call variants per-sample HaplotypeCaller Consolidate gVCFs GenomicsDBImport Joint genotyping in cohort GenotypeGVCFs

VCF



SAMtools

