**S5 Table.** Example of parameter information in the GATK tool that extracts personally identifiable information

by number variants.	
Summary	
Annotates intervals with GC content, mappability, and segmental-duplication content	
Calls copy-ratio segments as amplified, deleted, or copy-number neutral	
Creates a panel of normals for read-count denoising	
Denoises read counts to produce denoised copy ratios	
Determines the baseline contig ploidy for germline samples given counts data	
Filters intervals based on annotations and/or count statistics	
Calls copy-number variants in germline samples given their counts and the output of DetermineGermlineContigPloidy	
Models segmented copy ratios from denoised copy ratios and segmented minor-allele fractions from allelic counts	
Creates plots of denoised copy ratios	
Creates plots of denoised and segmented copy- ratio and minor-allele-fraction estimates	
Postprocesses the output of GermlineCNVCaller and generates VCFs and denoised copy ratios	
A or CRAM format.	
Summary	
Converts a SAM/BAM/CRAM file to FASTQ	
rmat references.	
Summary	
Composes a genome-wide STR location table used for DragSTR model auto-calibration	
ping for short variants (SNPs, SNVs and Indels).	
Summary	

haplotypes	(ramped	version)
maprocypes	(i unipeu	, 0101011)

Available to HaplotypeCaller, Mutect2, VariantAnnotator and GenotypeGVCFs.		
Summary		
Likelihood-based test for the consanguinity among samples (InbreedingCoeff)		
Tandem repeat unit composition and counts per allele (STR, RU, RPA)		

SNP, single nucleotide polymorphism; SNV, single nucleotide variant; STR, short tandem repeat.