

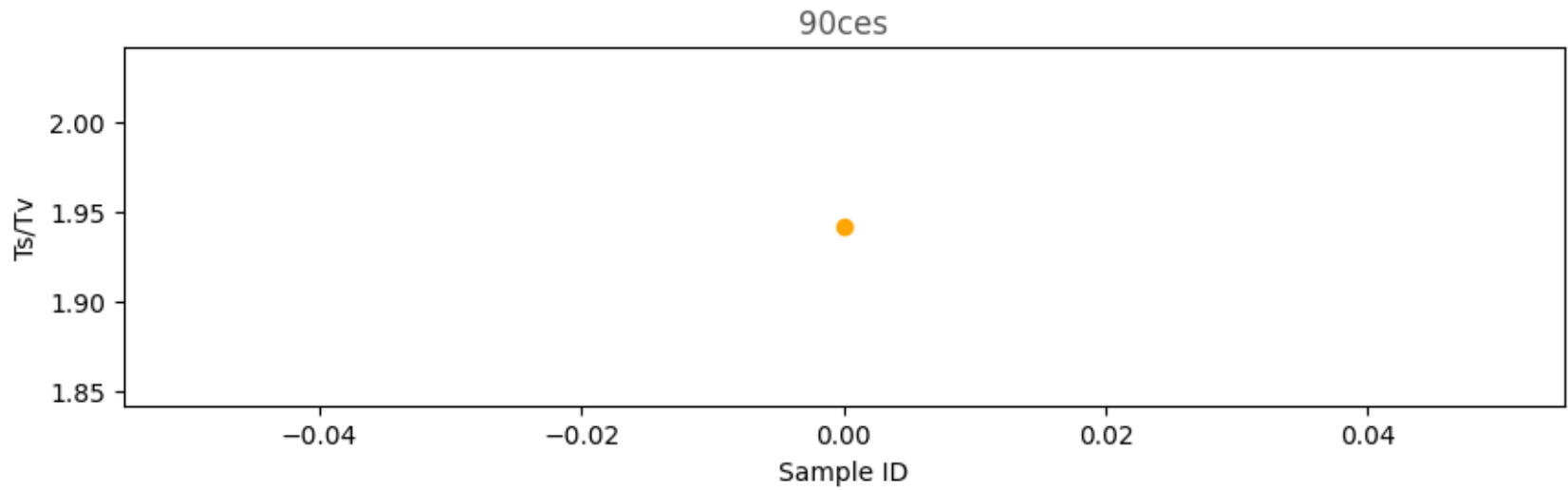
# Summary Numbers

Callset	SNPs			indels		MNPs	others
	n	ts/tv	(1st ALT)	n	frm*		
90ces	4,063,745	1.94	1.95	950,826	–	0	0
* frameshift ratio: out/(out+in)							

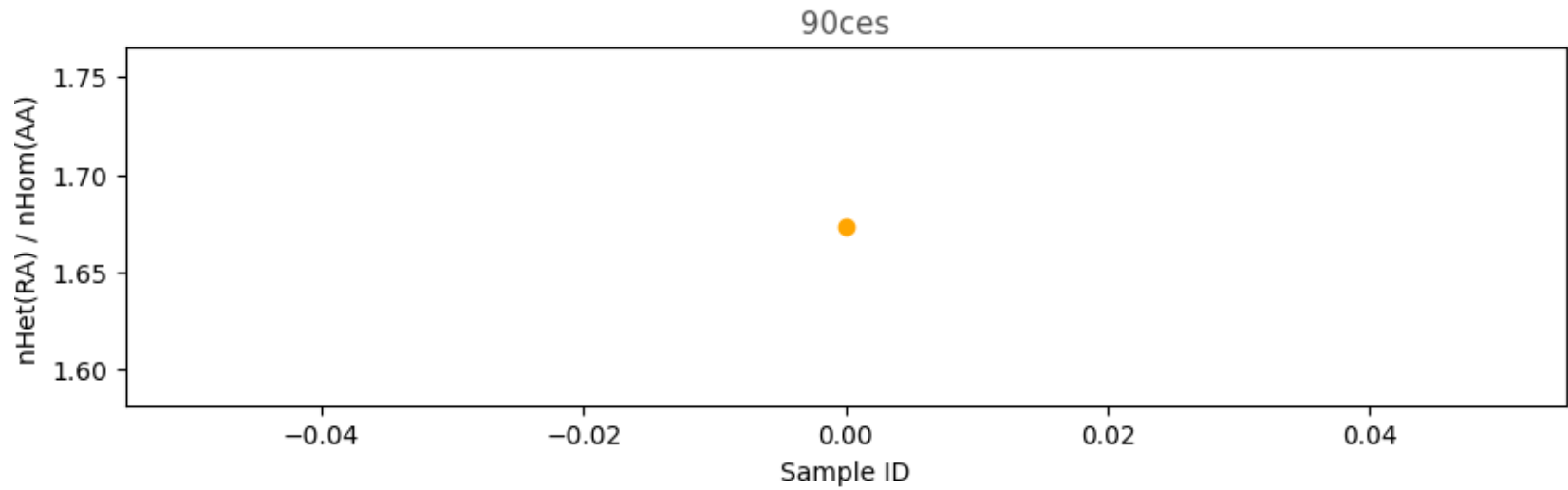
Callset	singletons (AC=1)			multiallelic	
	SNPs	ts/tv	indels	sites	SNPs
90ces	62.6%	1.92	67.8%	101,214	2,121

- 90ces .. /ngc/projects2/gm/data/archive/2022/variants/snv/90cesfbef-103838573271-Normal\_Blood\_noinfo-WGS\_v1\_IlluminaDNAPCRFree\_RHGM00609-220225\_A01176\_AH7CT5DSX3-EXT\_LAB\_KA\_NGCWGS-NGCWGS03887\_22RKG000028x01\_snv\_germline\_raw.haplotype\_caller.vcf.gz

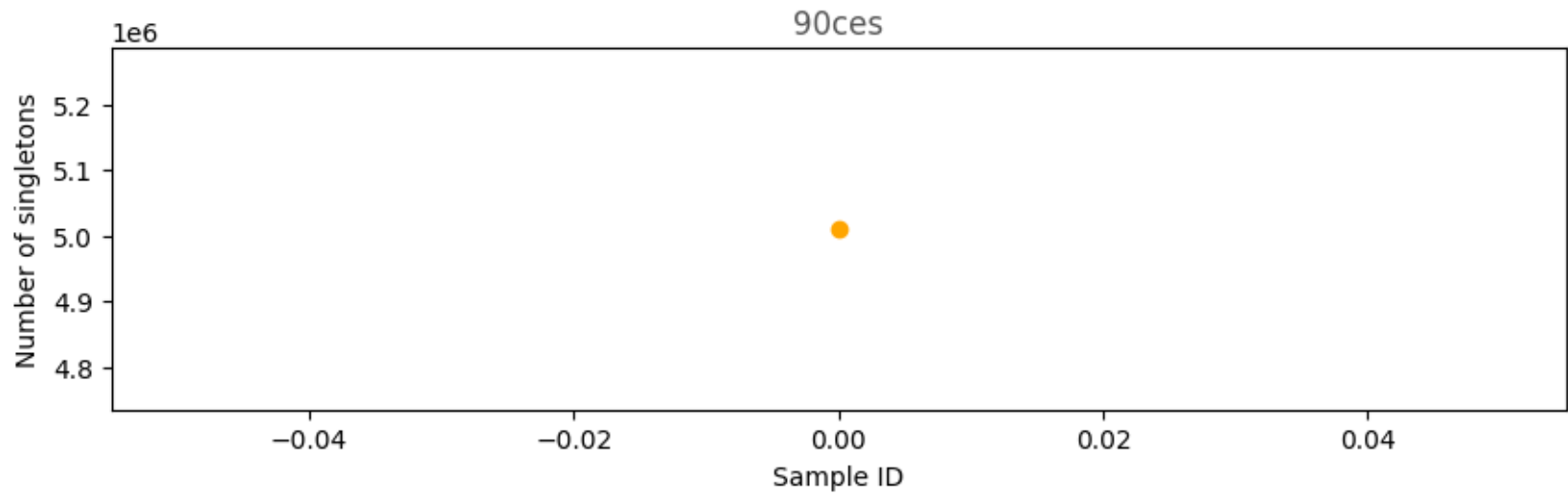
# Ts/Tv by sample



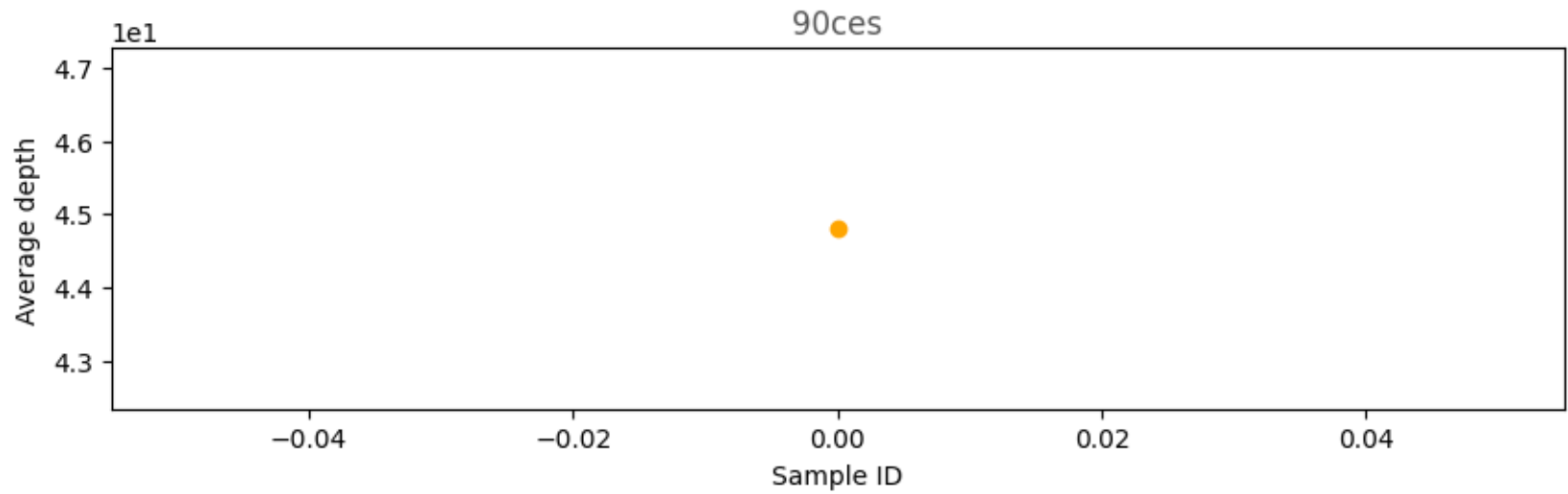
# Hets vs non-ref Homs by sample



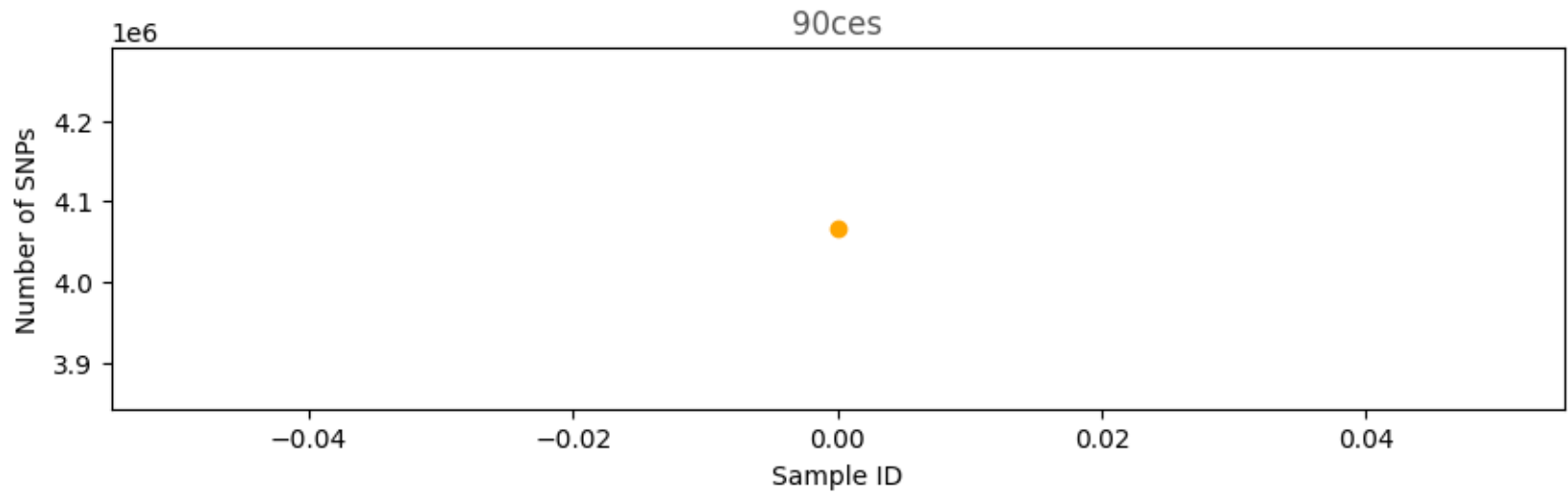
# Singletons by sample (hets and homs)



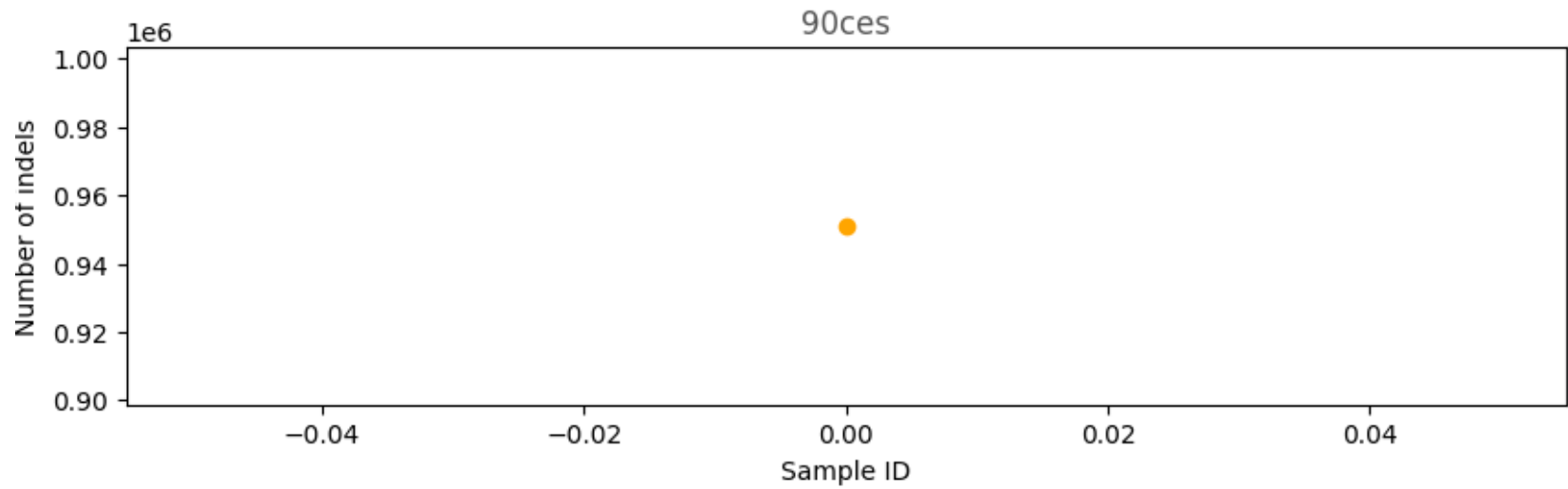
# Average depth by sample



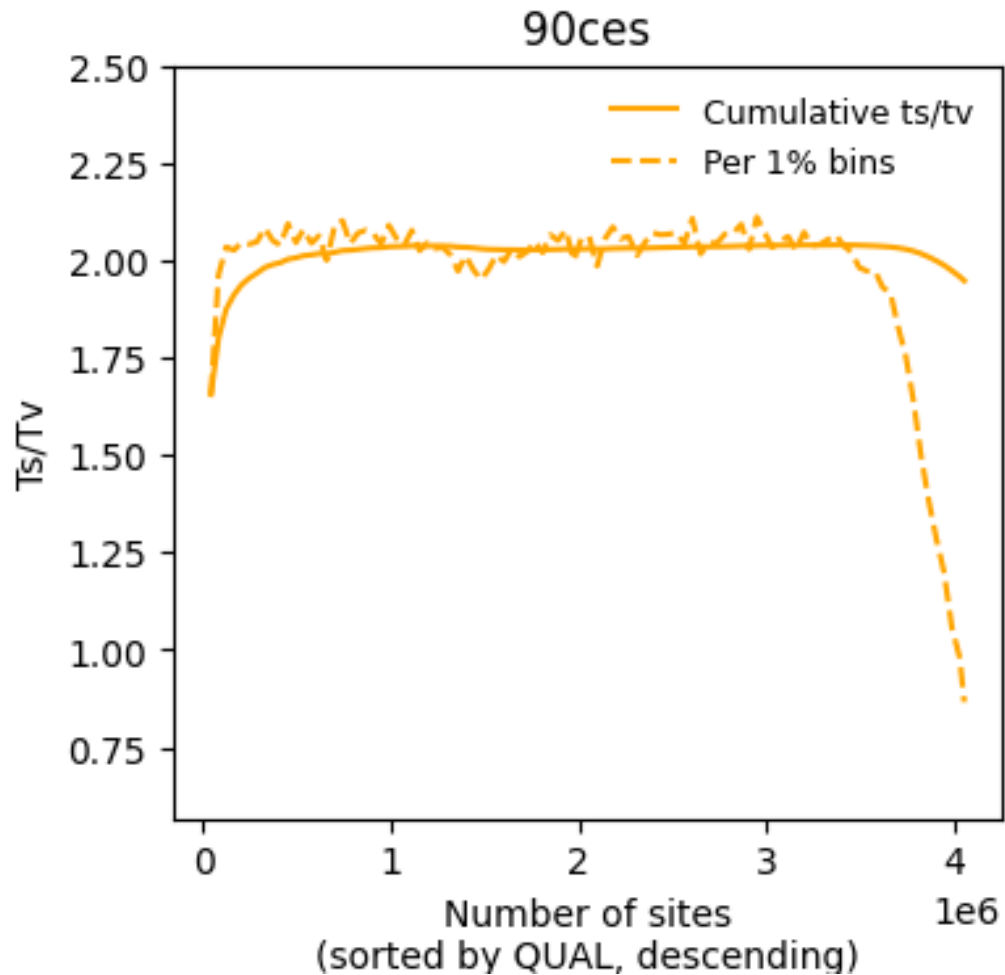
# Number of SNPs by sample



# Number of indels by sample

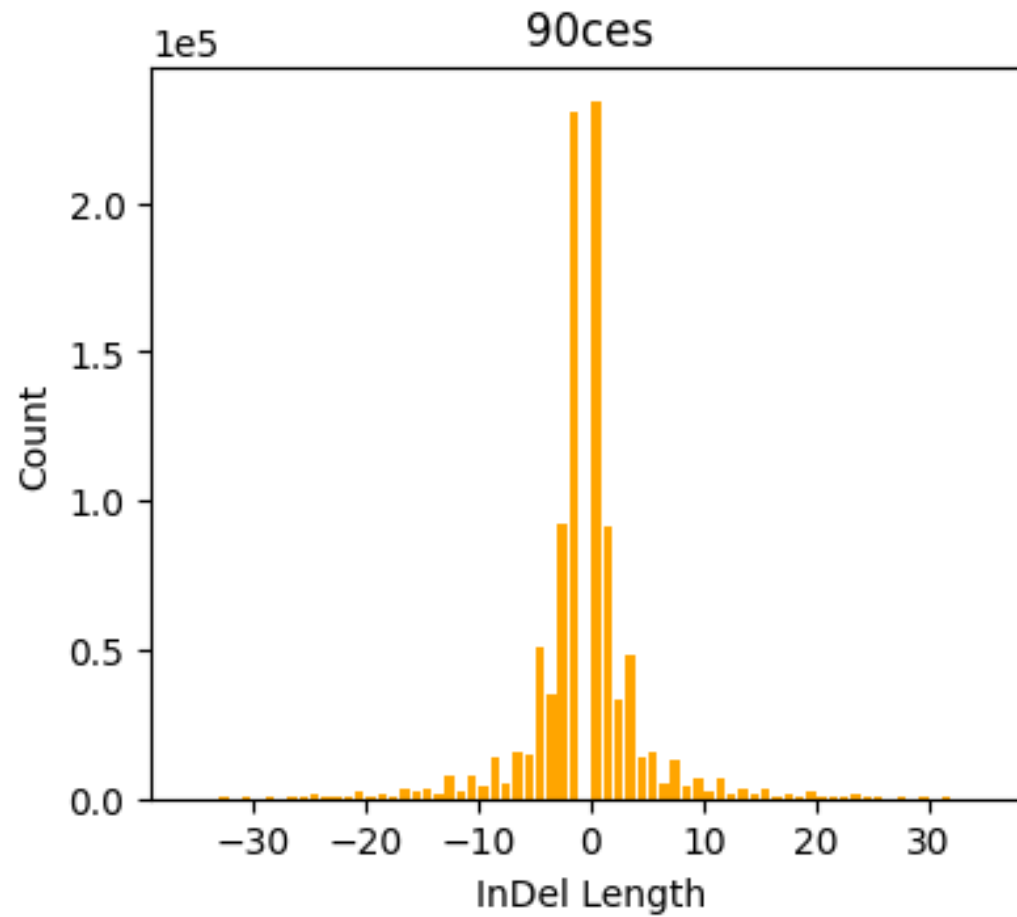


## Ts/Tv stratified by QUAL

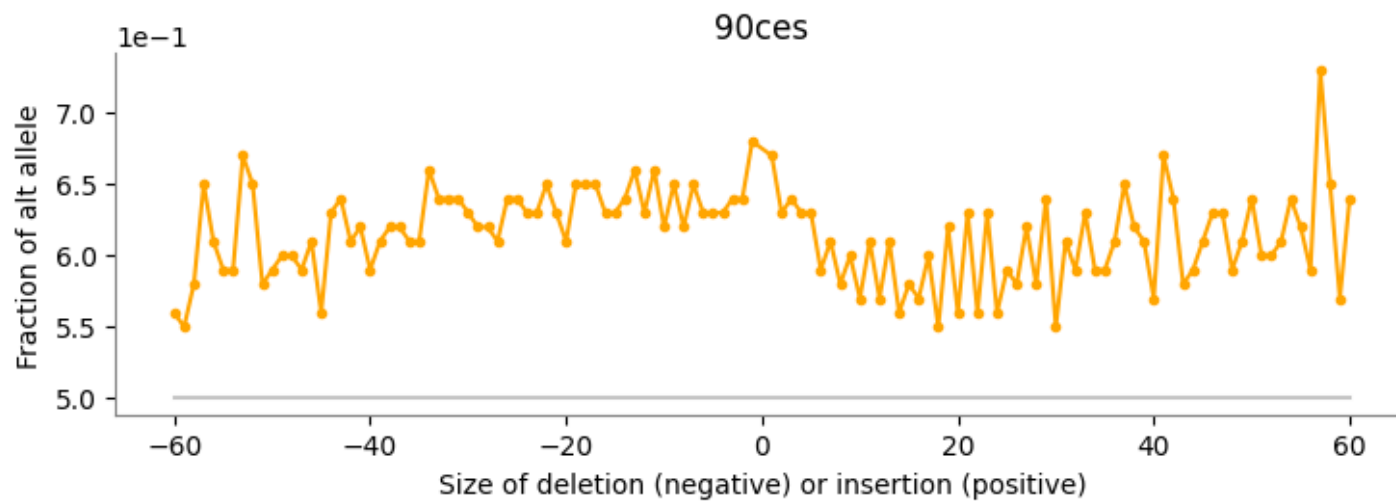




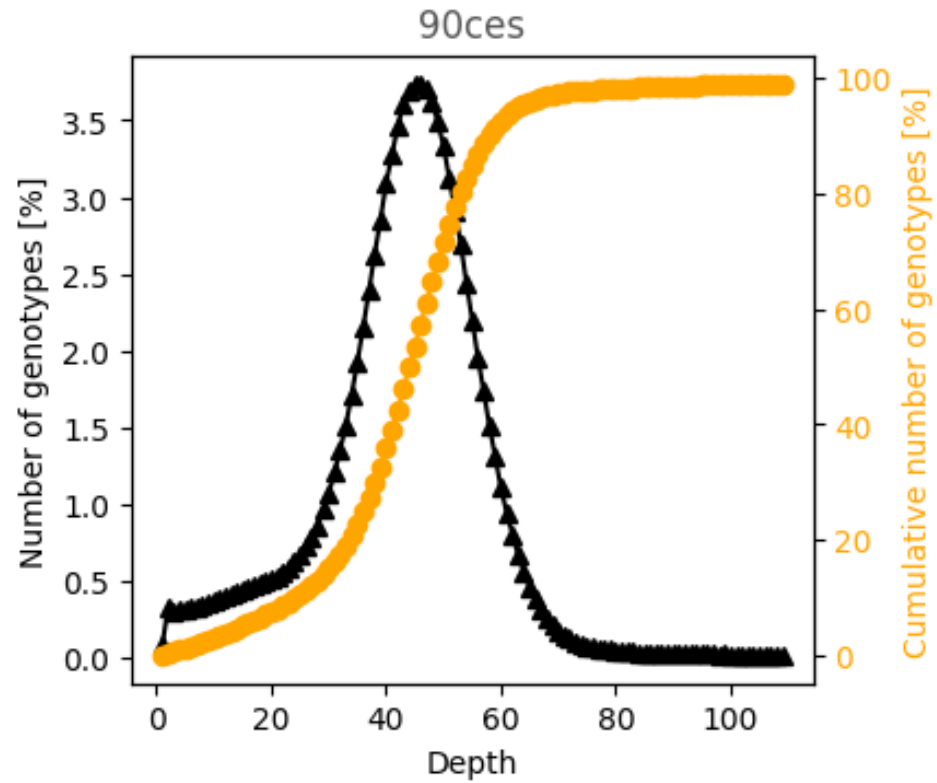
# Indel distribution



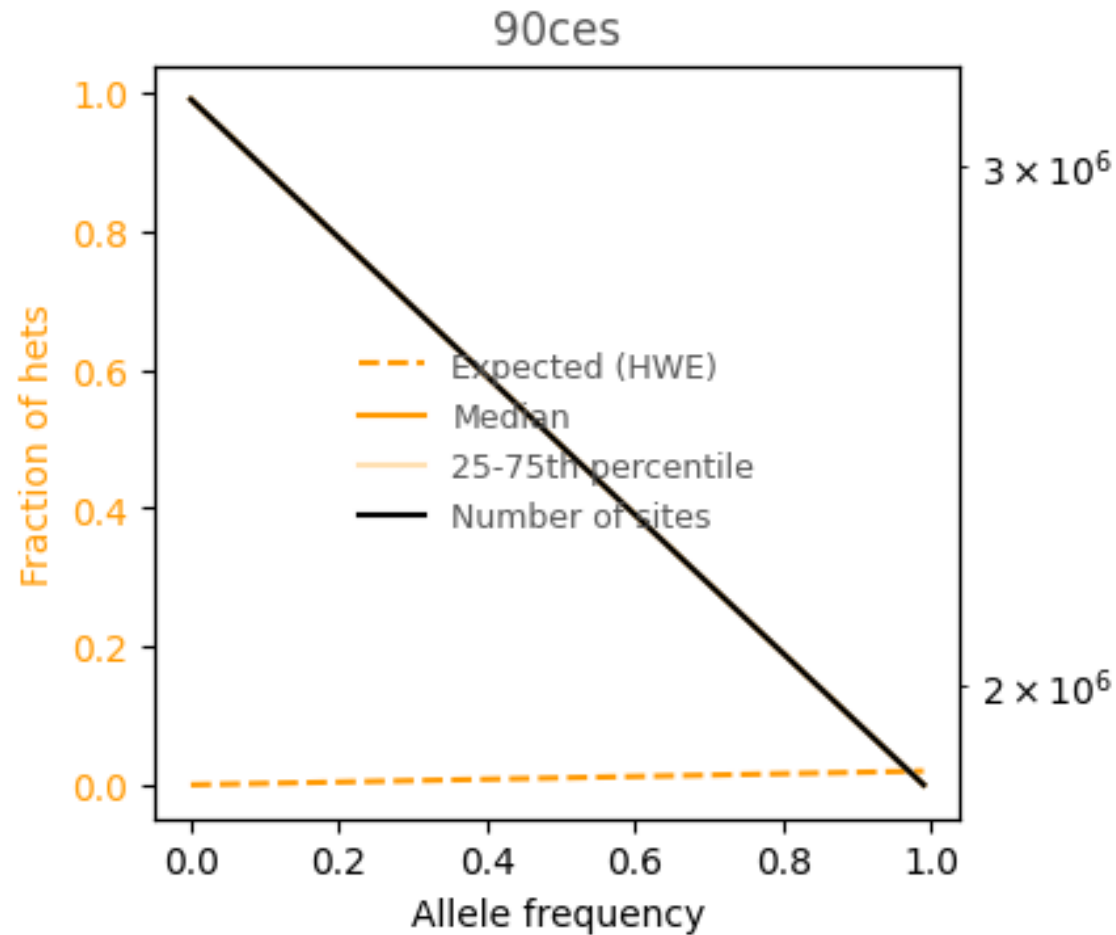
# Fraction of alternate indel allele



# Depth distribution



# Number of HETs by AF



# Substitution types

