

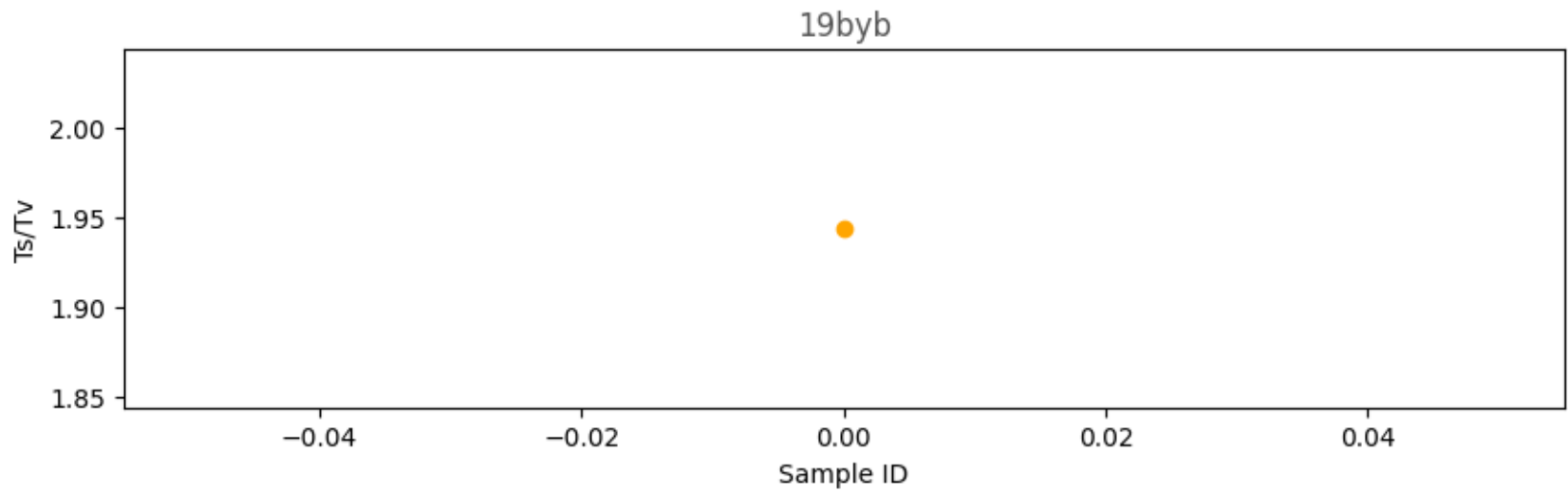
# Summary Numbers

Callset	SNPs			indels		MNPs	others
	n	ts/tv	(1st ALT)	n	frm*		
19byb	4,566,878	1.94	1.95	1,049,156	–	0	0
* frameshift ratio: out/(out+in)							

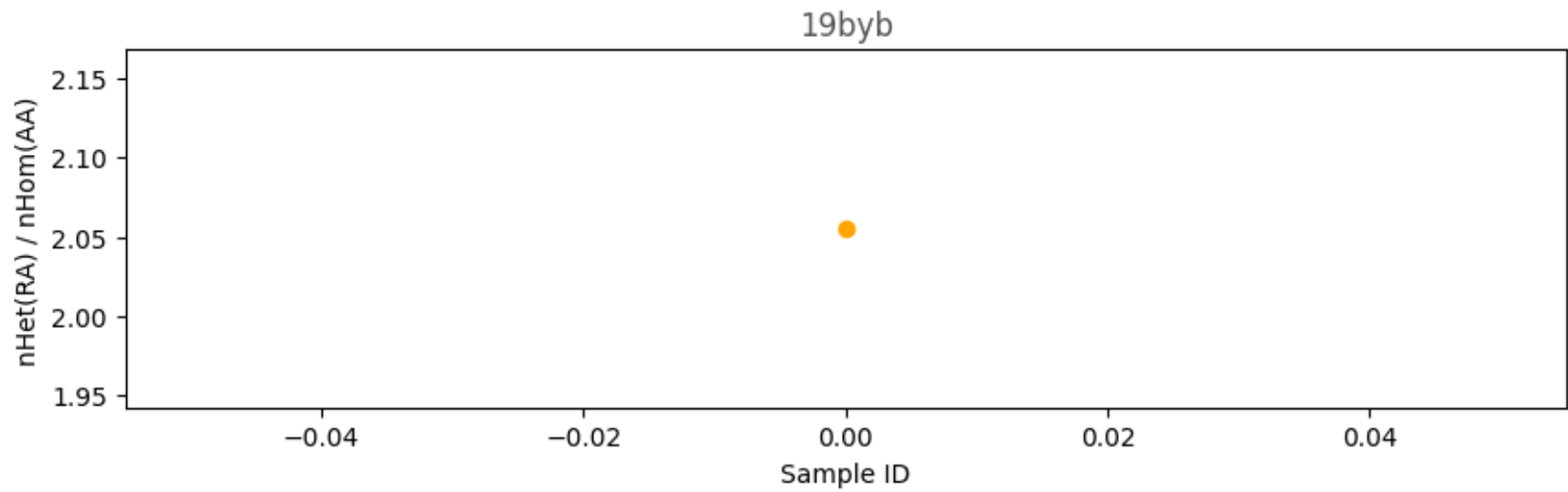
Callset	singletons (AC=1)			multiallelic	
	SNPs	ts/tv	indels	sites	SNPs
19byb	67.3%	1.92	72.8%	124,348	2,550

- 19byb .. /ngc/projects2/gm/data/archive/2022/variants/snv/19byblosf-110299346530-Normal\_Blood\_noinfo-WGS\_v1\_IlluminaDNAPCRFree\_RHGM02119-221026\_A00559\_BH3MJVDSX5-EXT\_LAB\_KA\_NGCWGS-NGCWGS05994\_snv\_germline\_raw.haplotype\_caller.vcf.gz

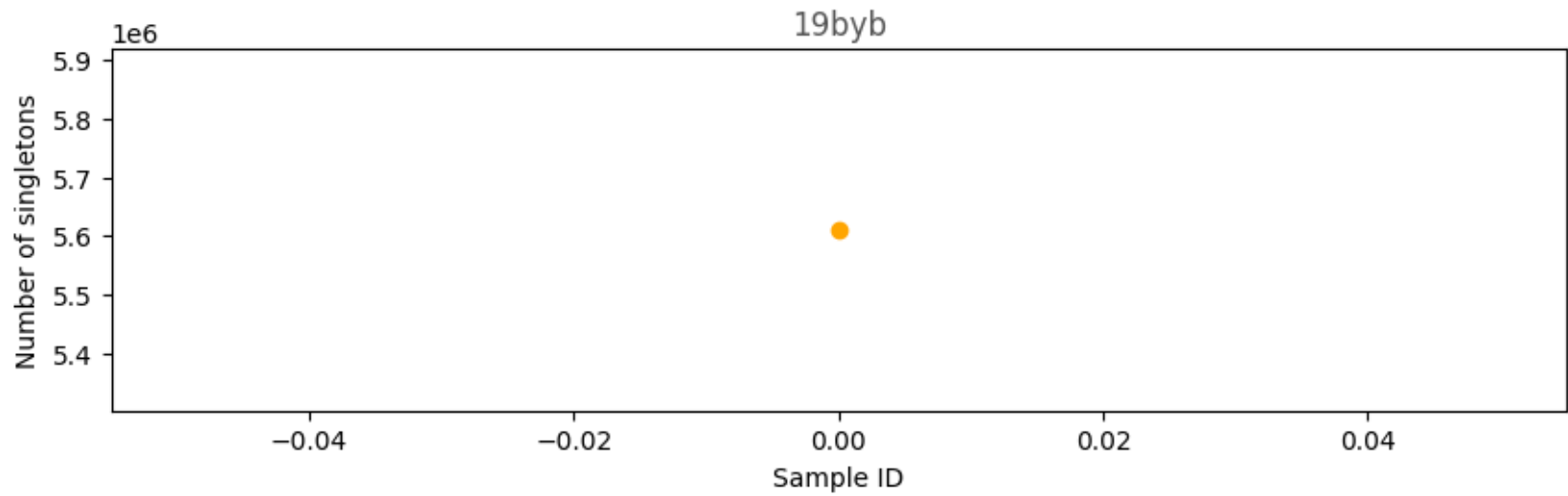
# Ts/Tv by sample



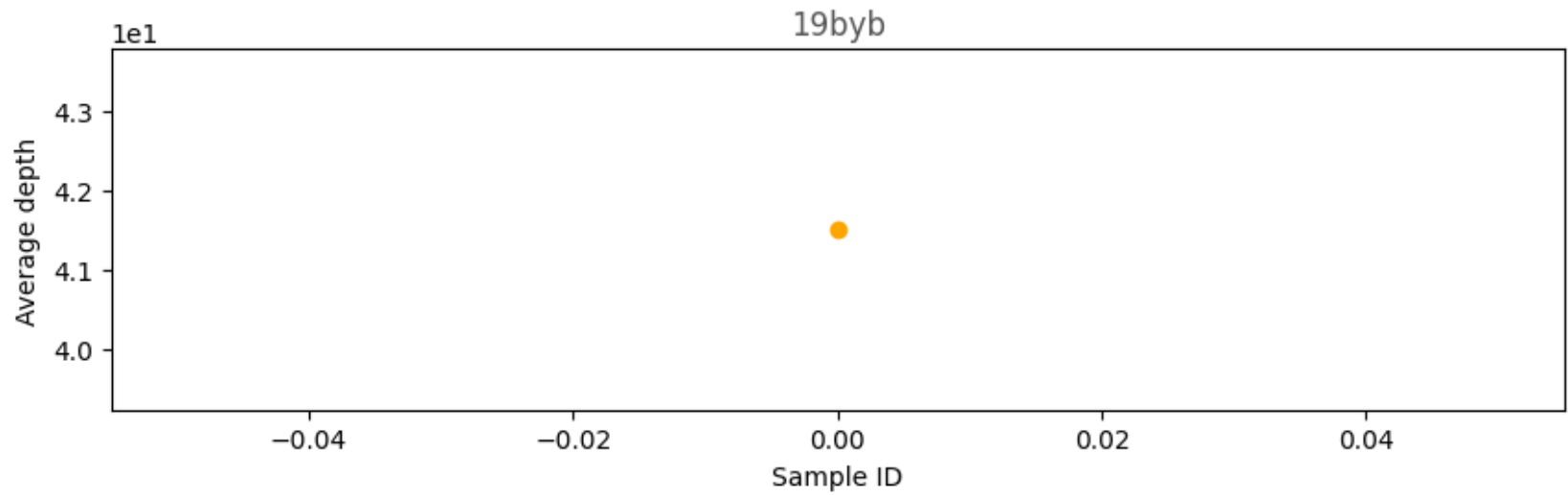
# Hets vs non-ref Homs by sample



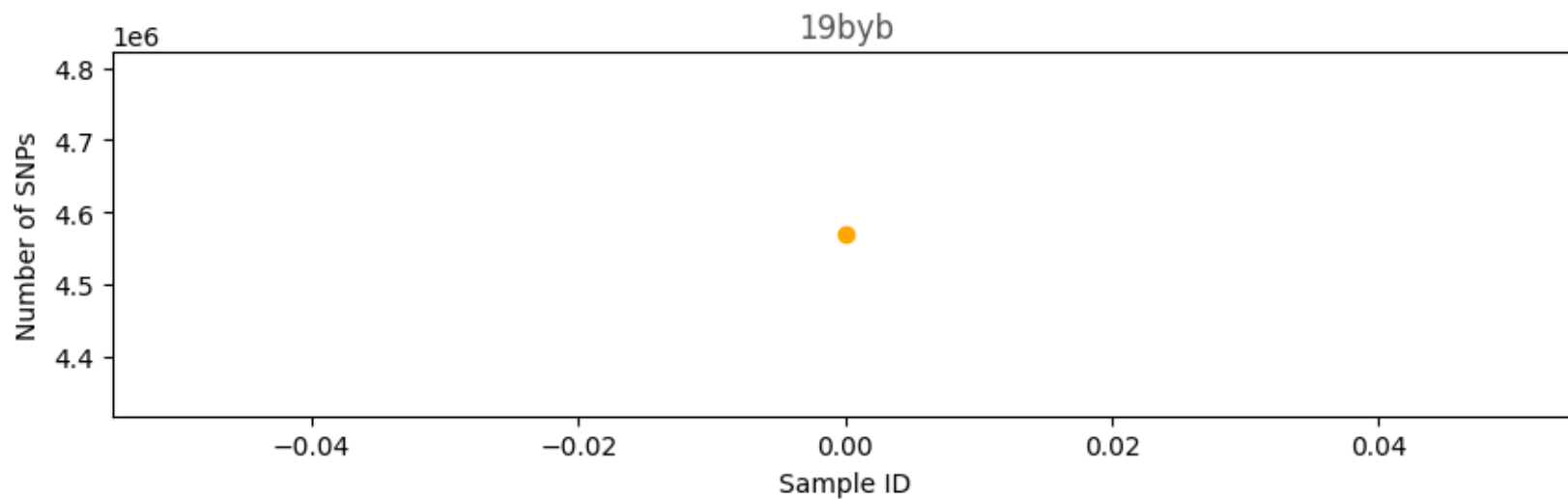
# Singletons by sample (hets and homs)



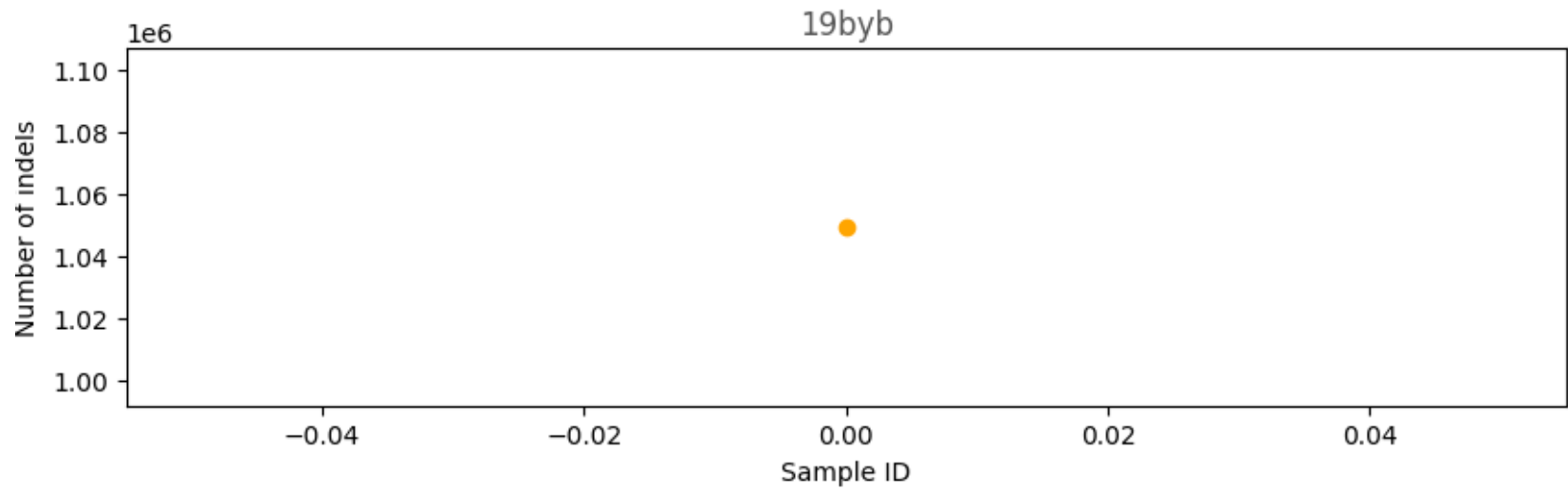
# Average depth by sample



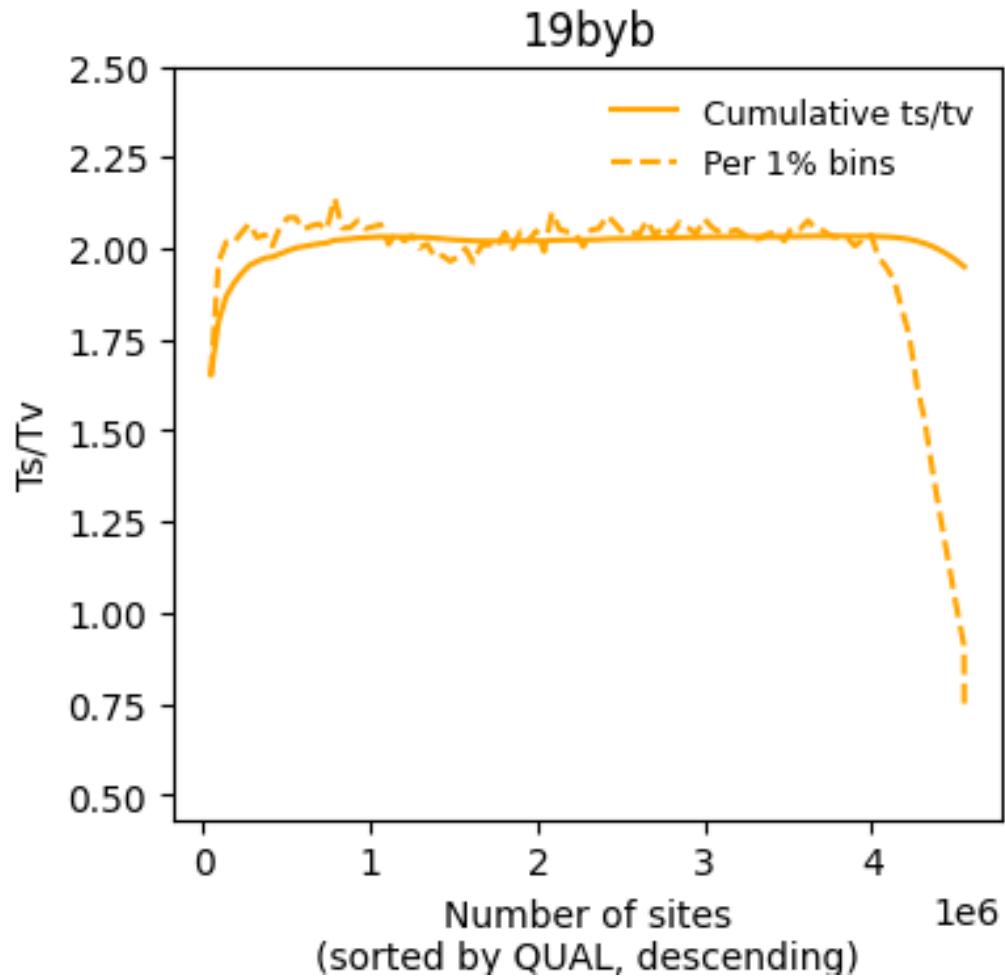
# Number of SNPs by sample



# Number of indels by sample

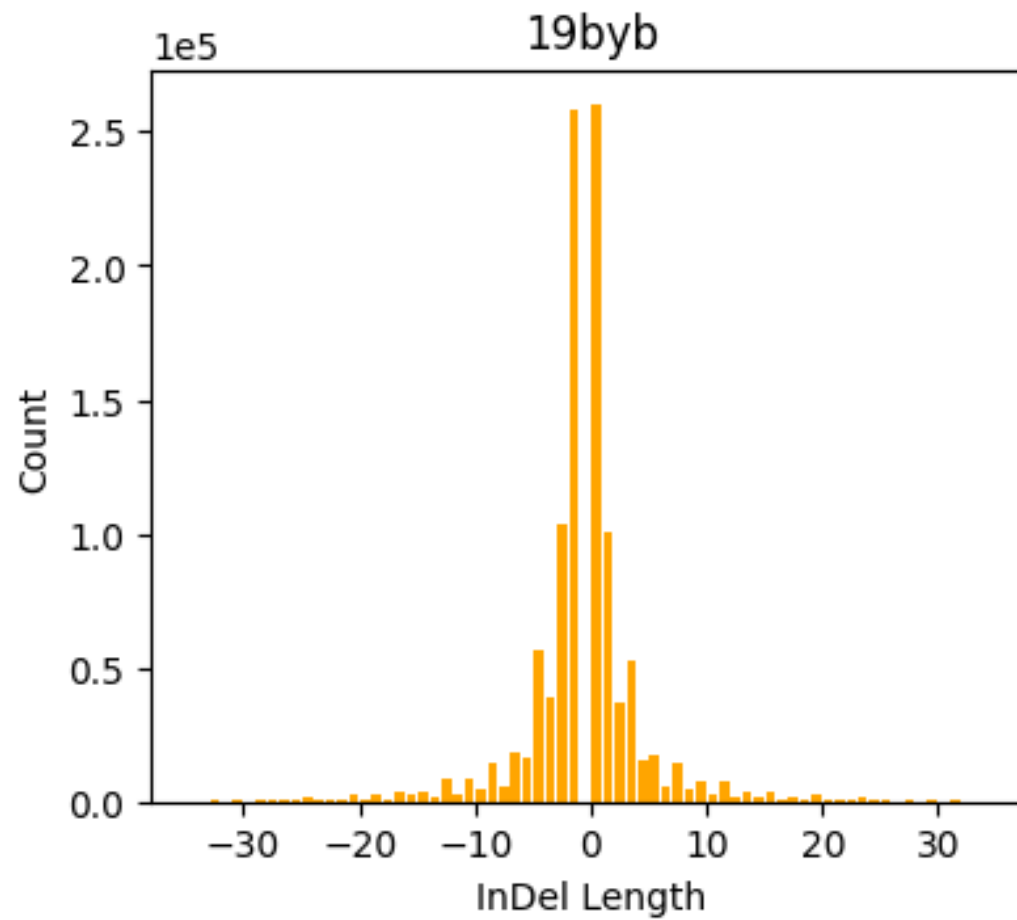


## Ts/Tv stratified by QUAL

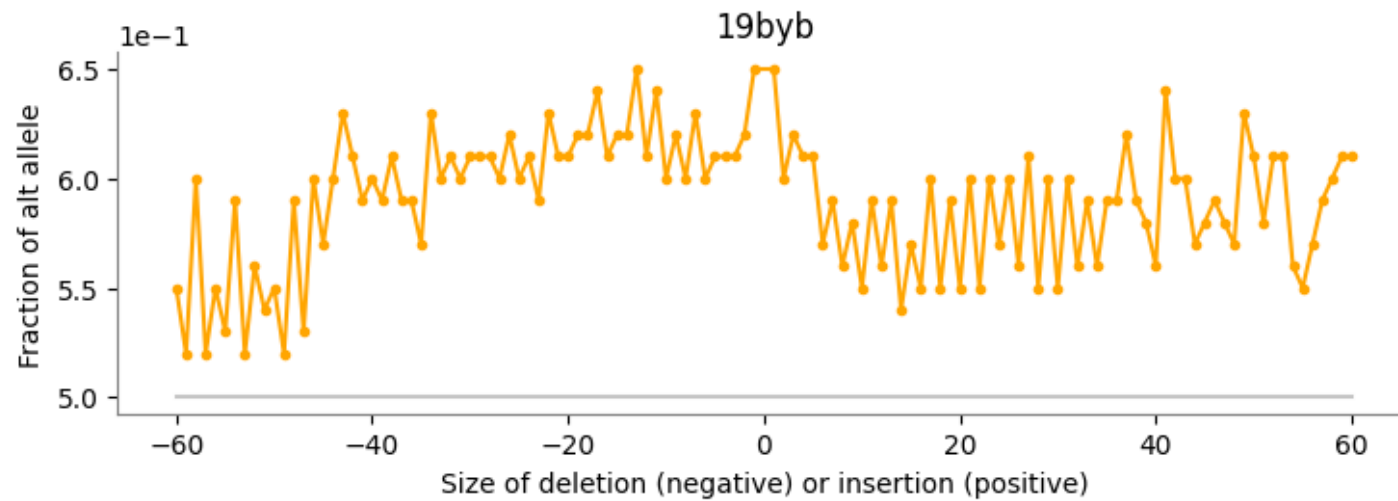




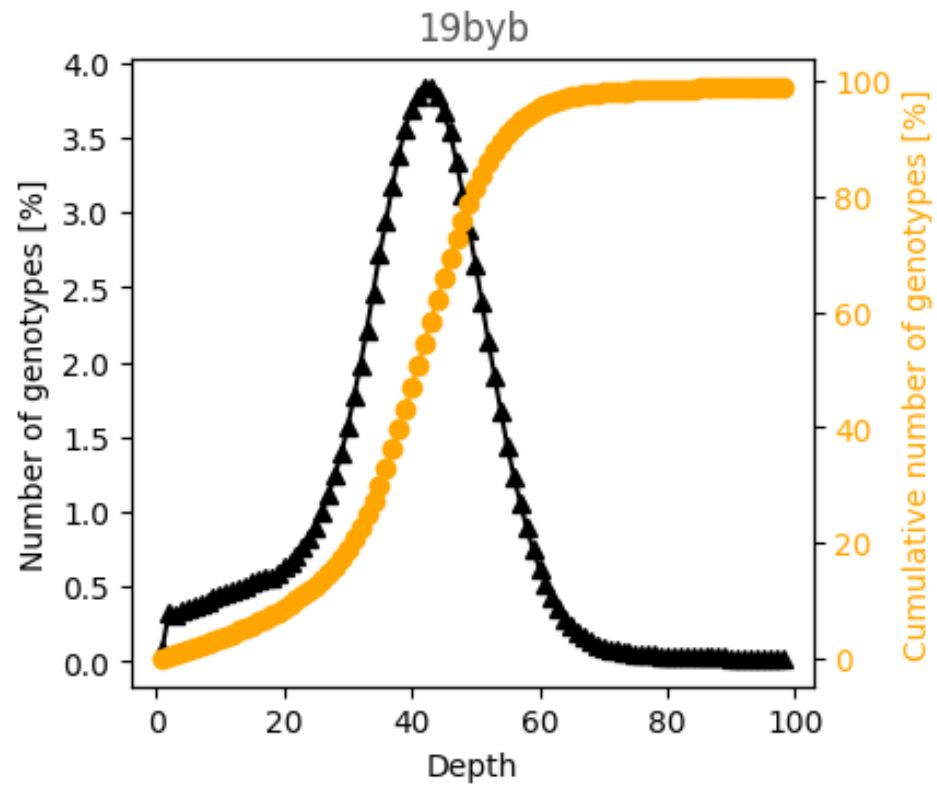
# Indel distribution



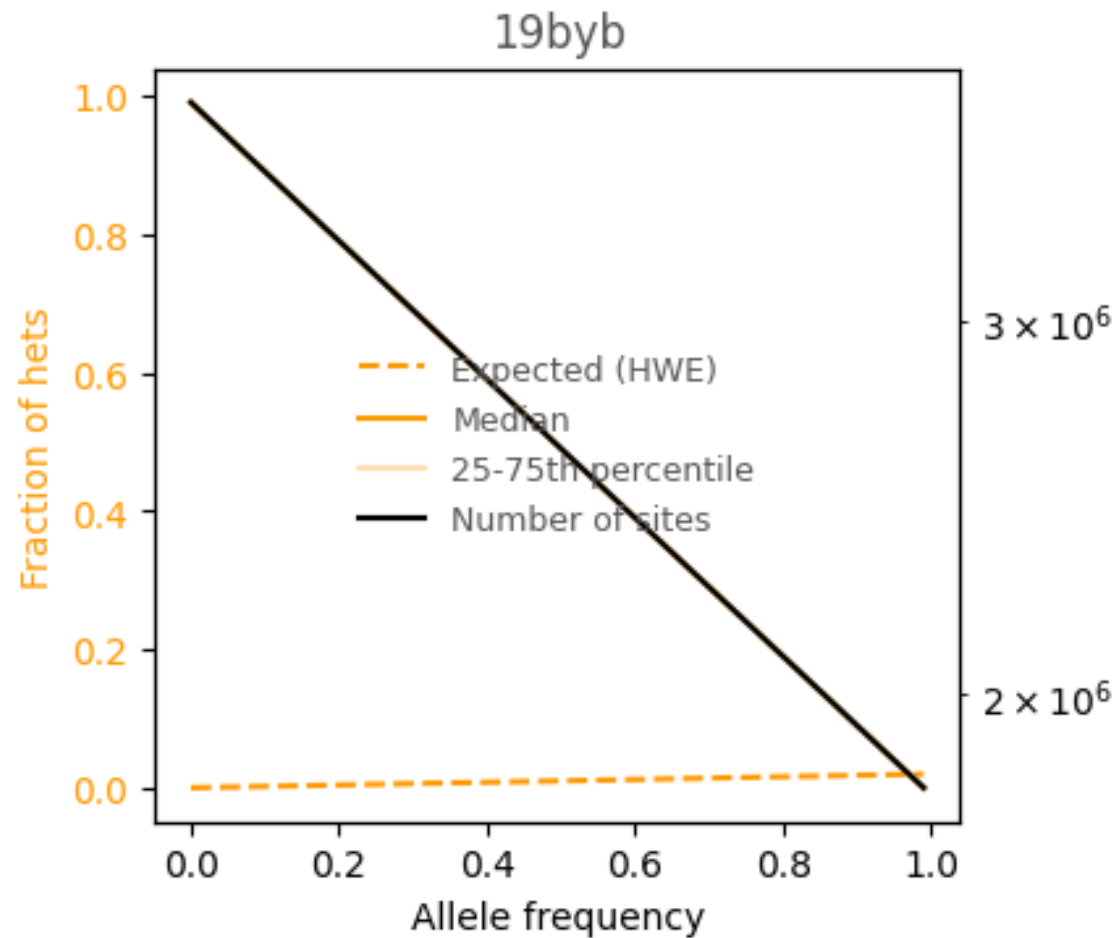
# Fraction of alternate indel allele



# Depth distribution



# Number of HETs by AF



# Substitution types

