

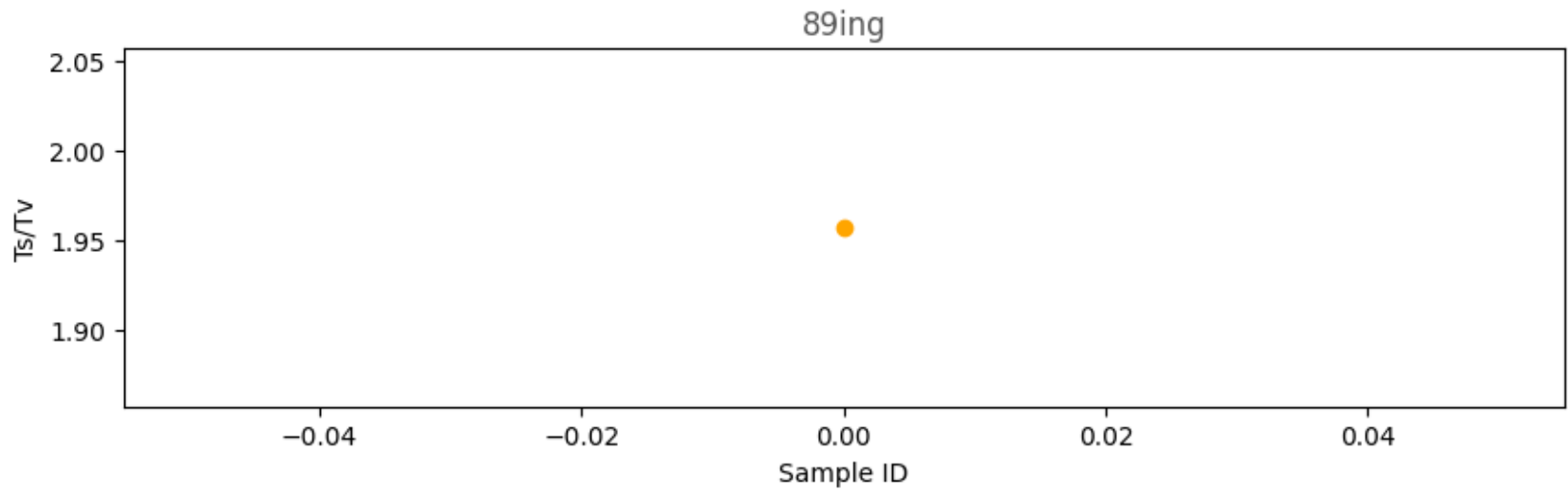
# Summary Numbers

Callset	SNPs			indels		MNPs	others
	n	ts/tv	(1st ALT)	n	frm*		
89ing	4,032,854	1.96	1.96	939,439	–	0	0
* frameshift ratio: out/(out+in)							

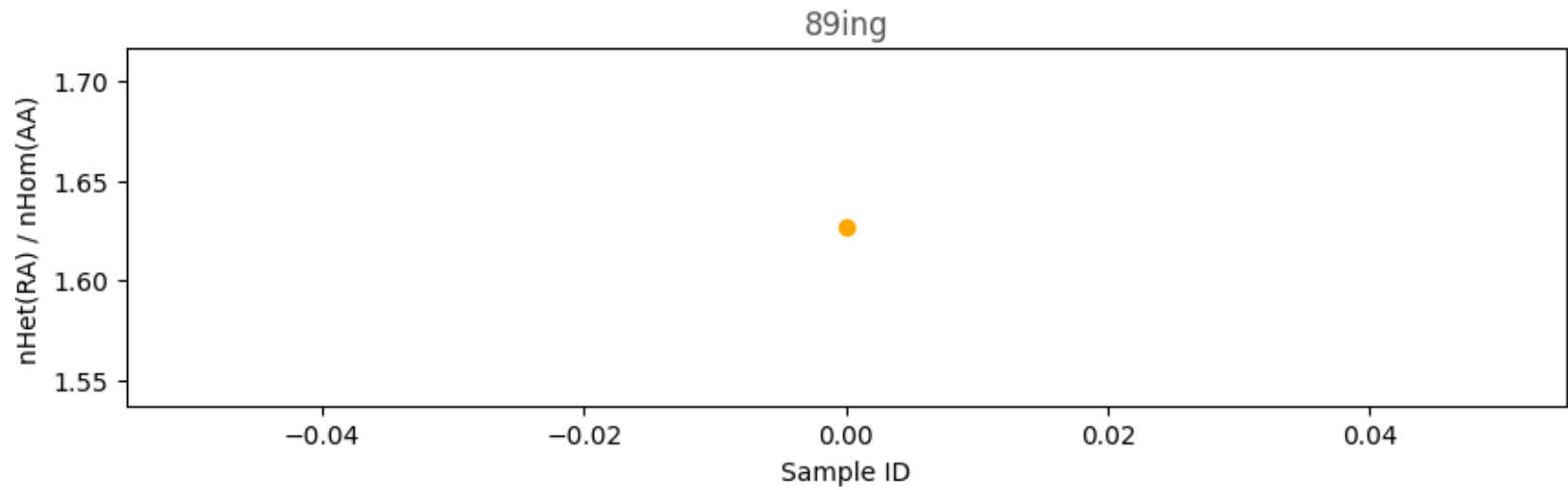
Callset	singletons (AC=1)			multiallelic	
	SNPs	ts/tv	indels	sites	SNPs
89ing	61.9%	1.93	66.2%	94,223	1,956

- 89ing .. /ngc/projects2/gm/data/archive/2022/variants/snv/89ingimam-103794081909-Normal\_Blood\_noinfo-WGS\_v1\_IlluminaDNAPCRFree\_RHGM00381-211026\_A01411\_AHN23JDSX2-EXT\_LAB\_KA\_NGCWGS-NGCWGS00280\_21RKG023154x01\_snv\_germline\_raw.haplotype\_caller.vcf.gz

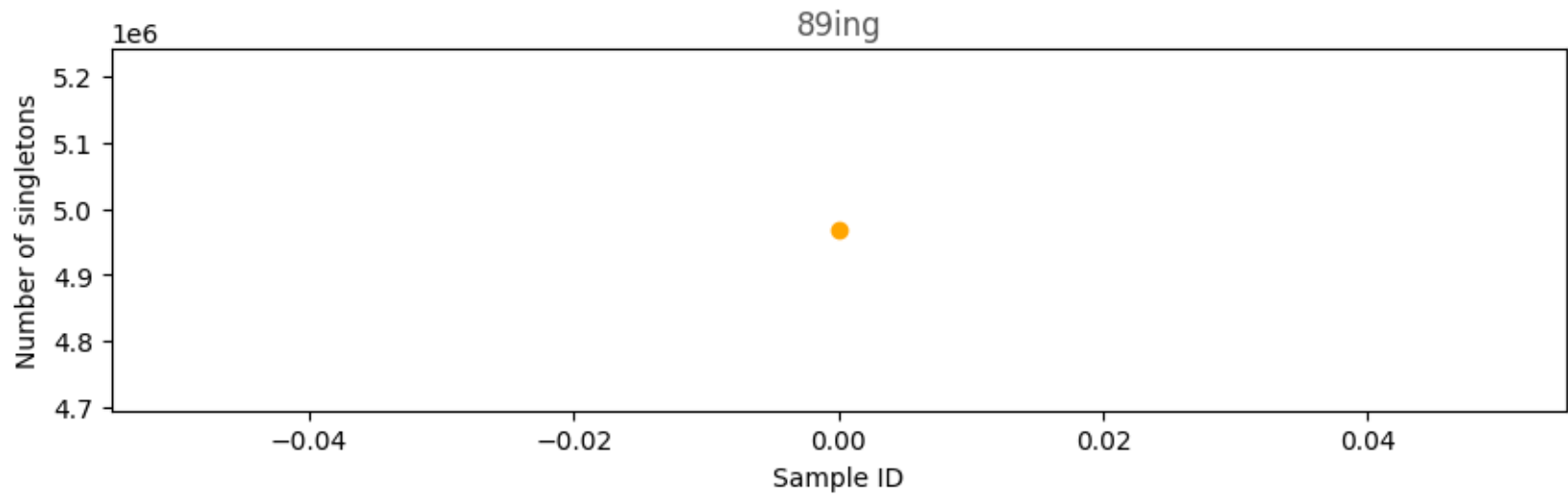
# Ts/Tv by sample



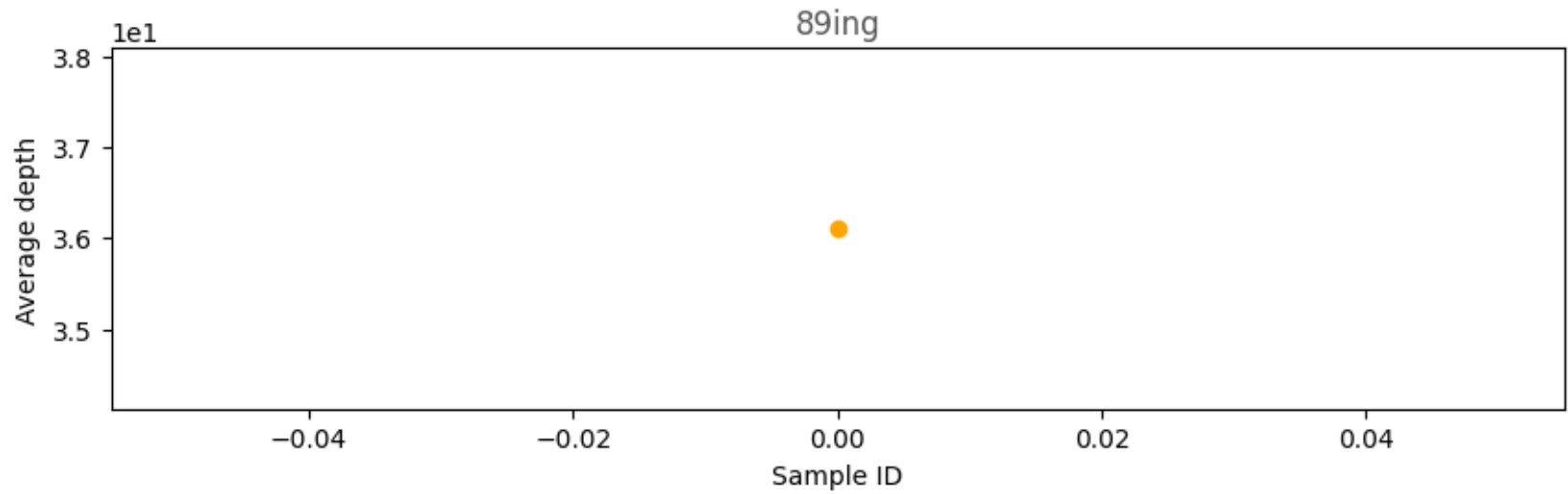
# Hets vs non-ref Homs by sample



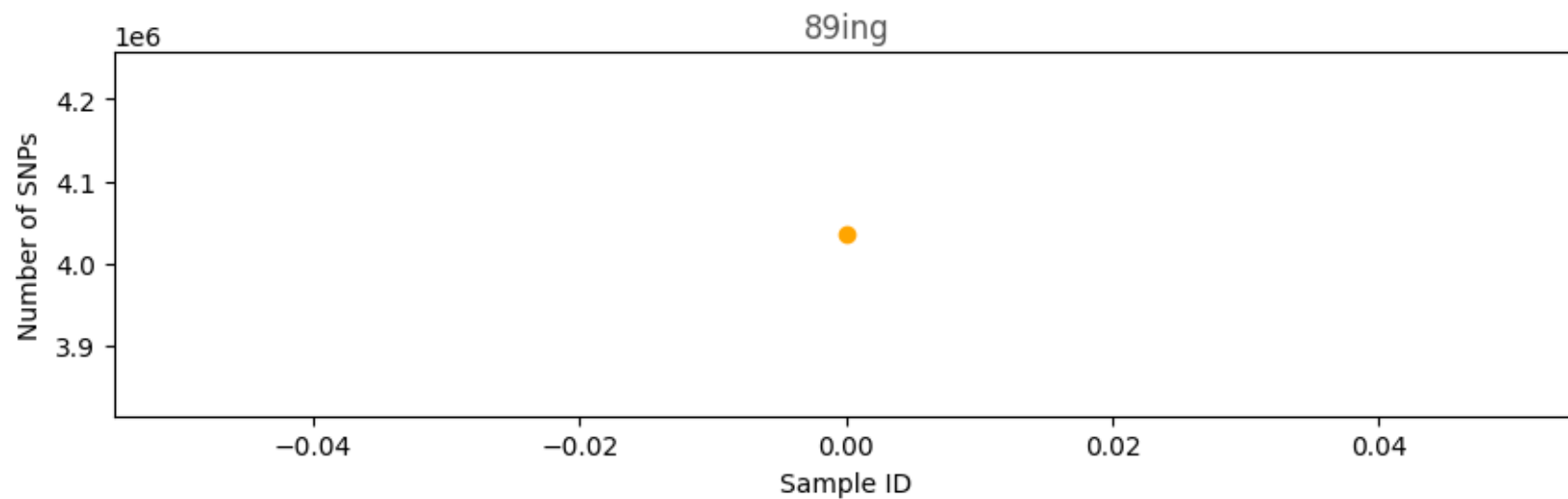
# Singletons by sample (hets and homs)



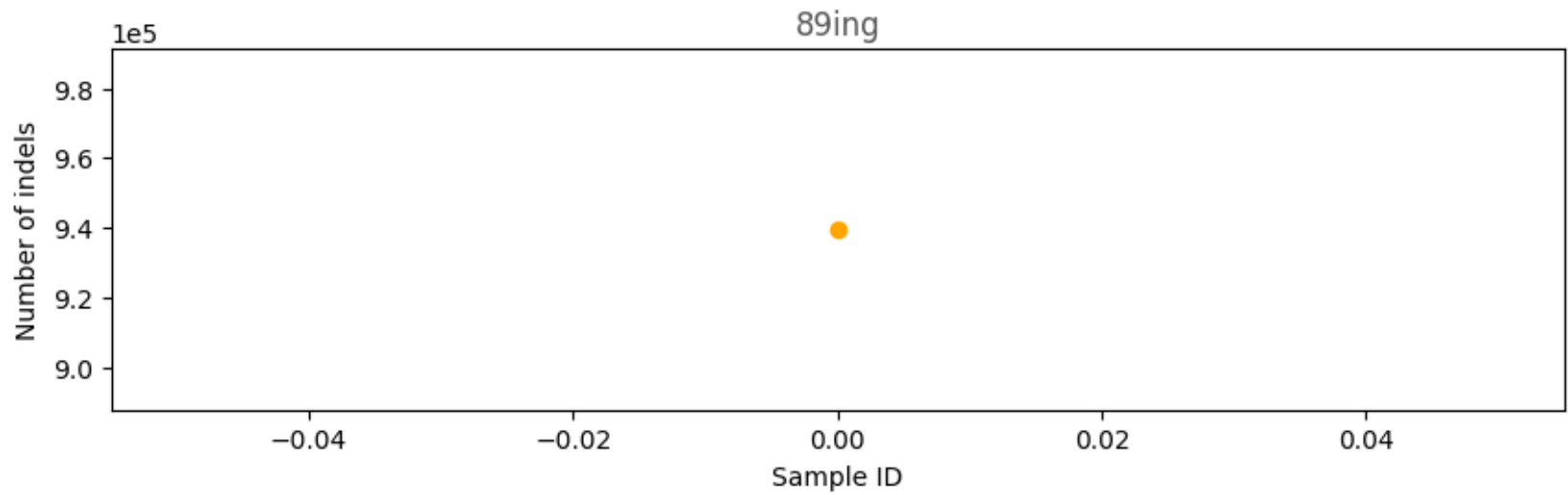
# Average depth by sample



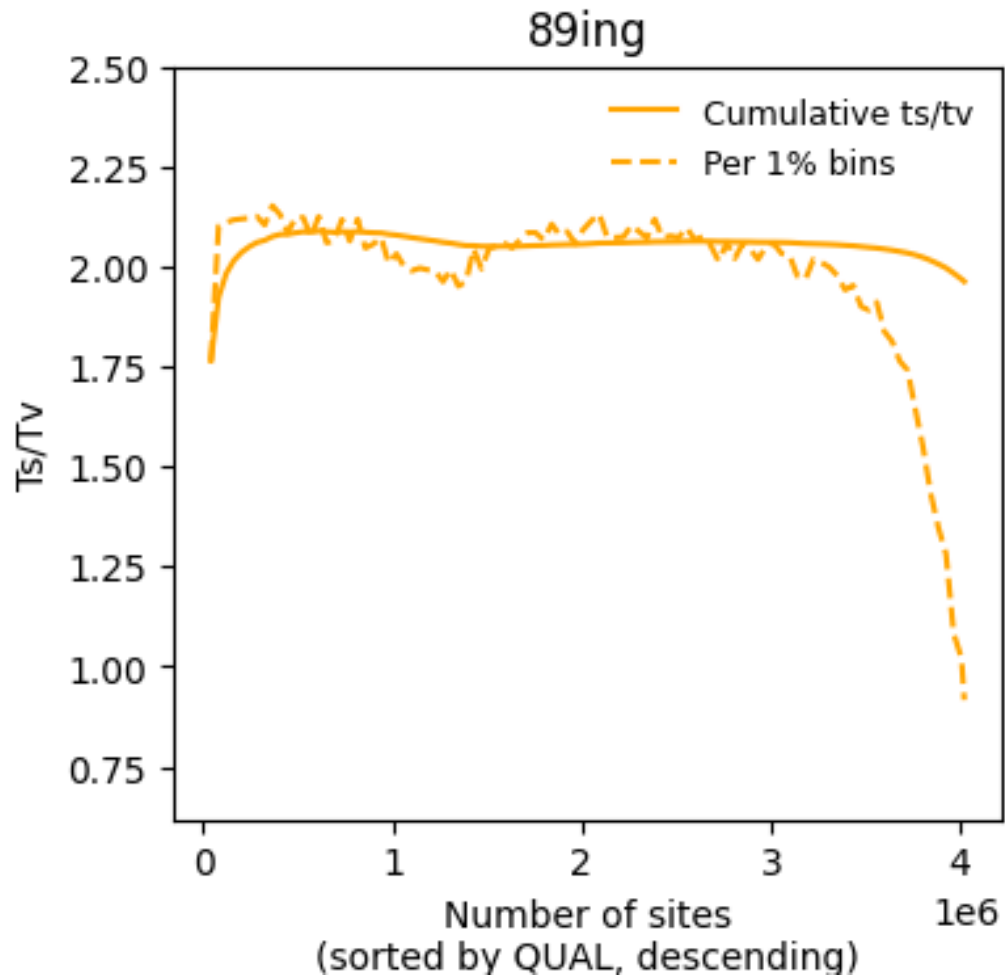
# Number of SNPs by sample



# Number of indels by sample

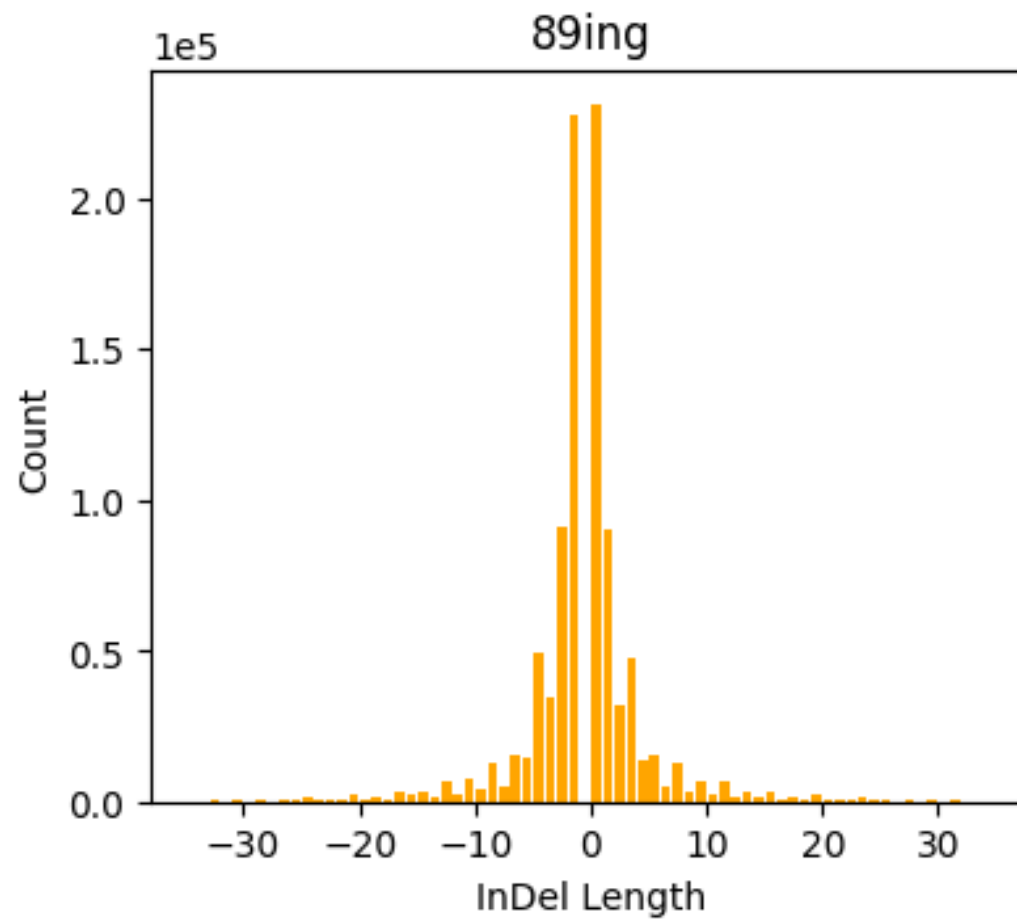


## Ts/Tv stratified by QUAL

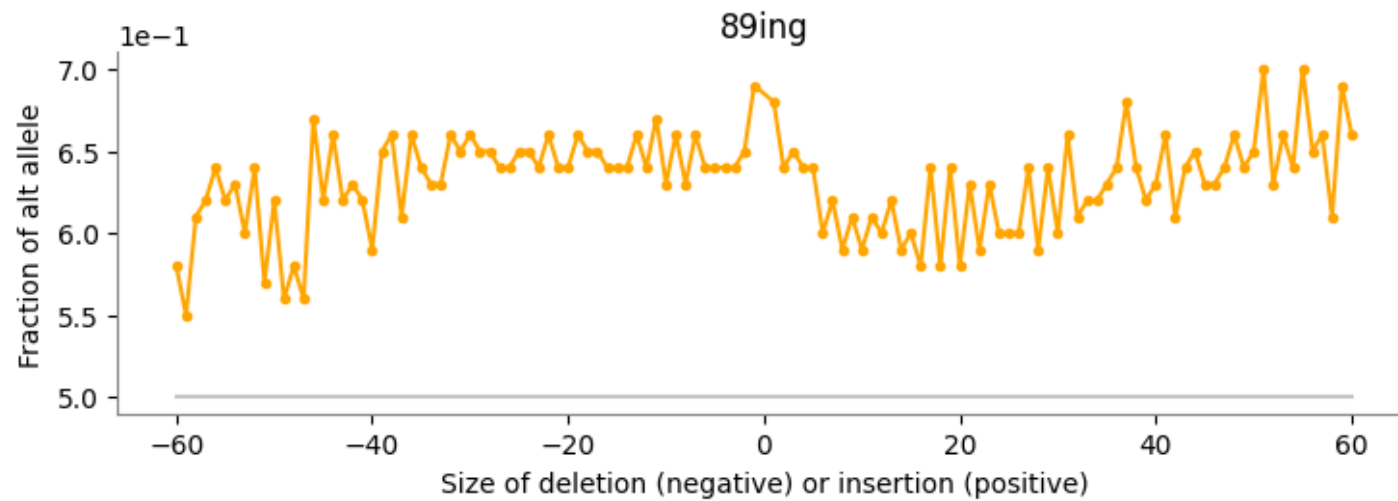




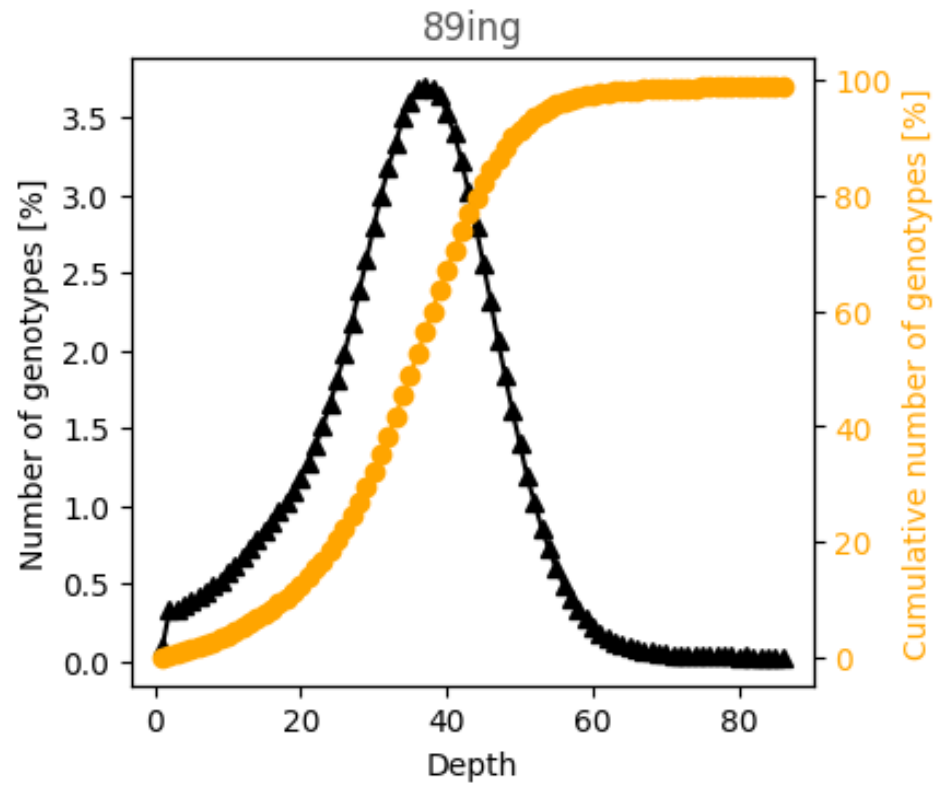
# Indel distribution



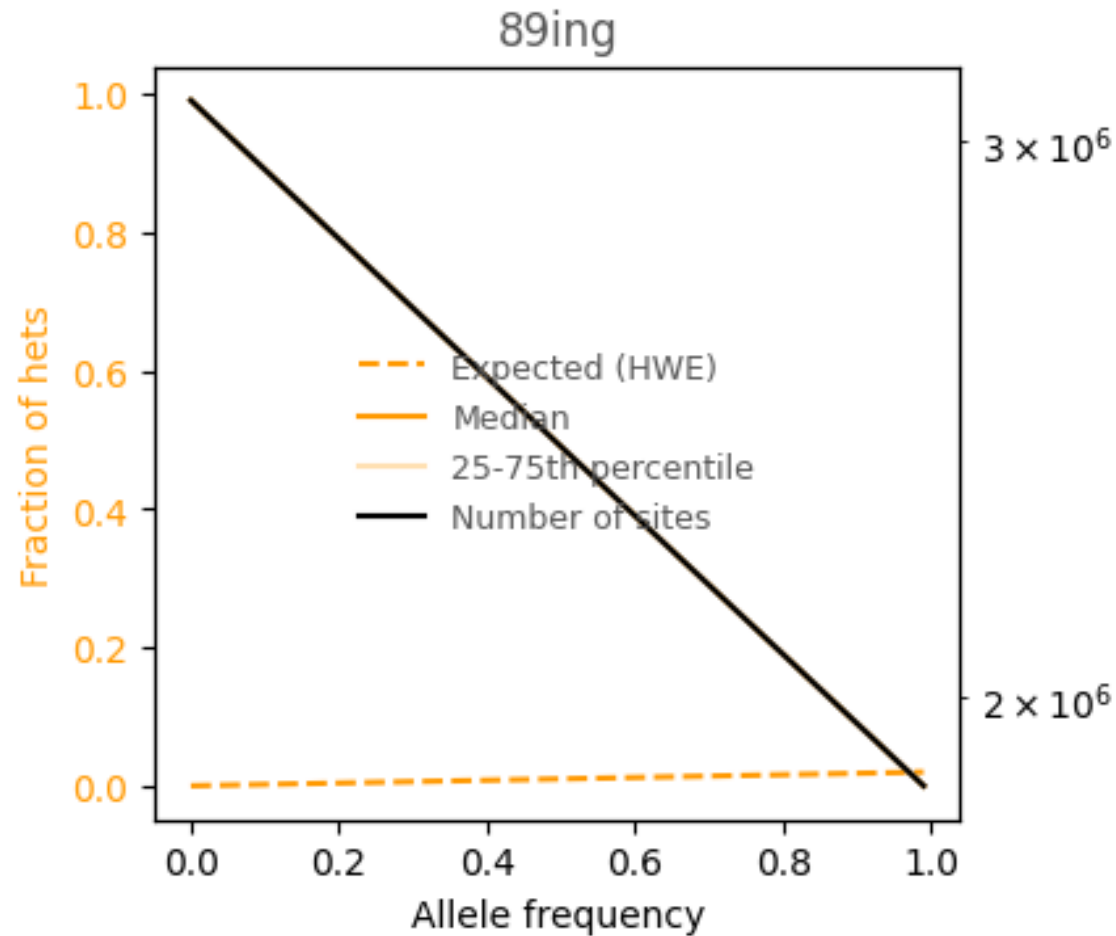
# Fraction of alternate indel allele



# Depth distribution



# Number of HETs by AF



# Substitution types

