# Summary Numbers

| Callset | SNPs | | | indels | | MNPs | others |
|---|---|---|---|---|---|---|---|
| | n | ts/tv | (1st ALT) | n | frm* | | |
| 87tha | 4,066,318 | 1.94 | 1.94 | 933,800 | – | 0 | 0 |
| | | | | | * frameshift ratio: out/(out+in) | | |

| Callset | singletons (AC=1) | | | multiallelic | |
|---|---|---|---|---|---|
| | SNPs | ts/tv | indels | sites | SNPs |
| 87tha | 62.9% | 1.91 | 67.2% | 93,412 | 2,130 |

- 87tha .. `/ngc/projects2/gm/data/archive/2022/variants/snv/87thafiof-103811164028-Normal_B lood_noinfo-WGS_v1_IlluminaDNAPCRFree_X-211201_A01411_BHVN2NDSX2-RHGM_LABKA_WGSA KUT-WGSAKUT03404_21RKG029275x01_snv_germline_raw.haplotype_caller.vcf.gz`
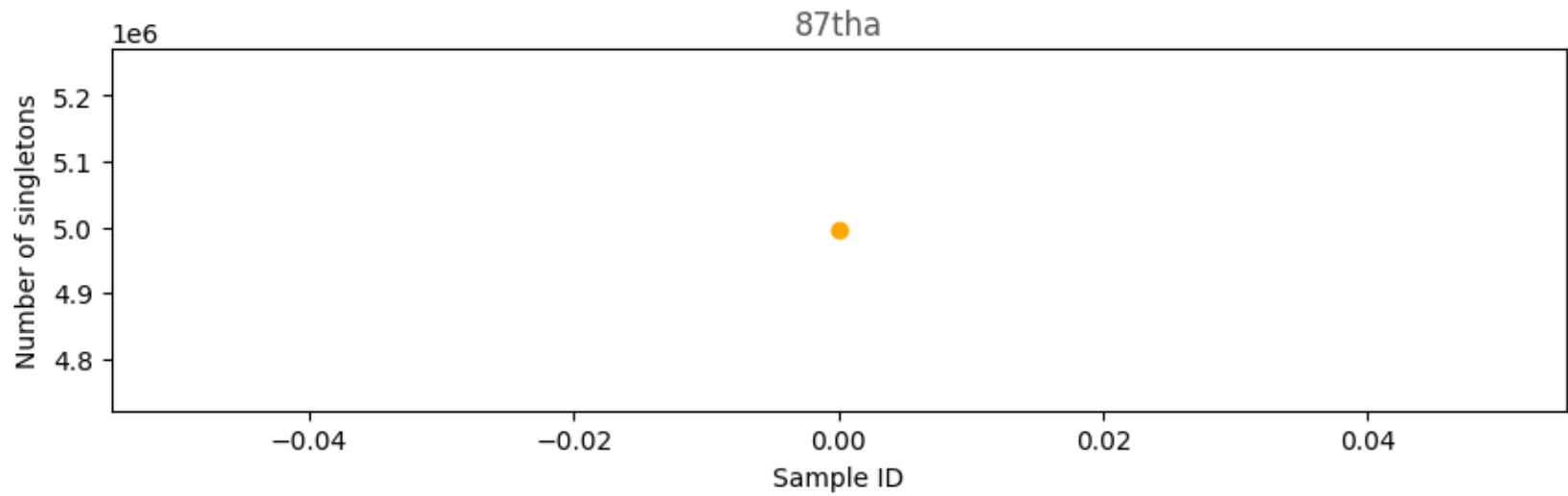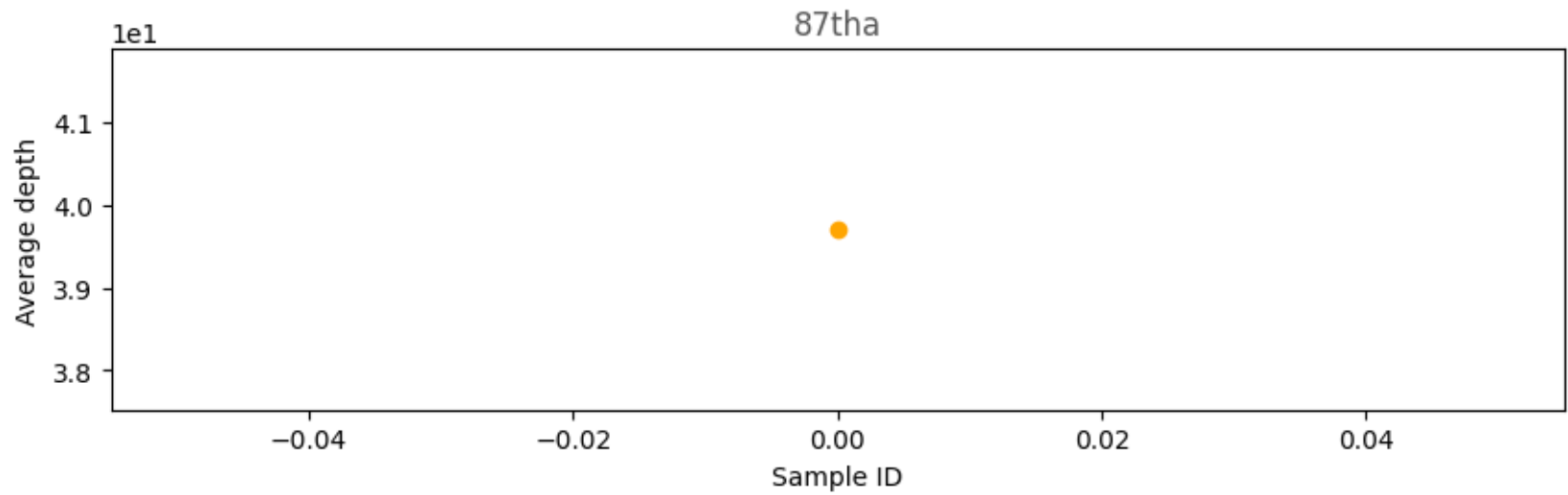
# Ts/Tv by sample



87tha
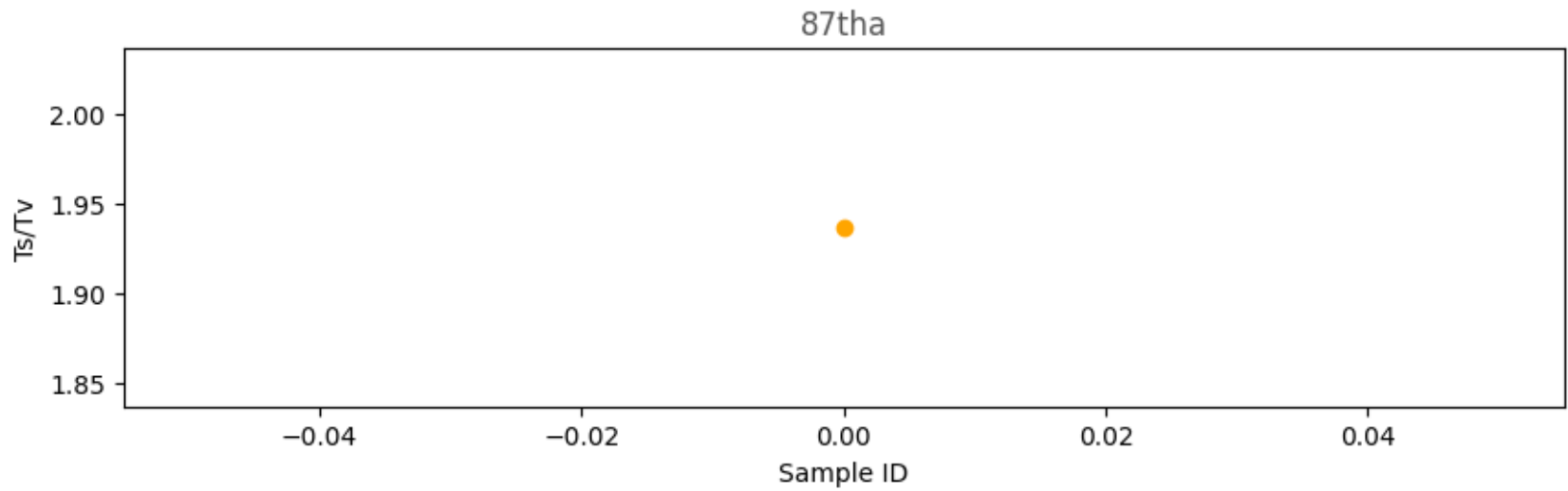
# Hets vs non-ref Homs by sample



87tha
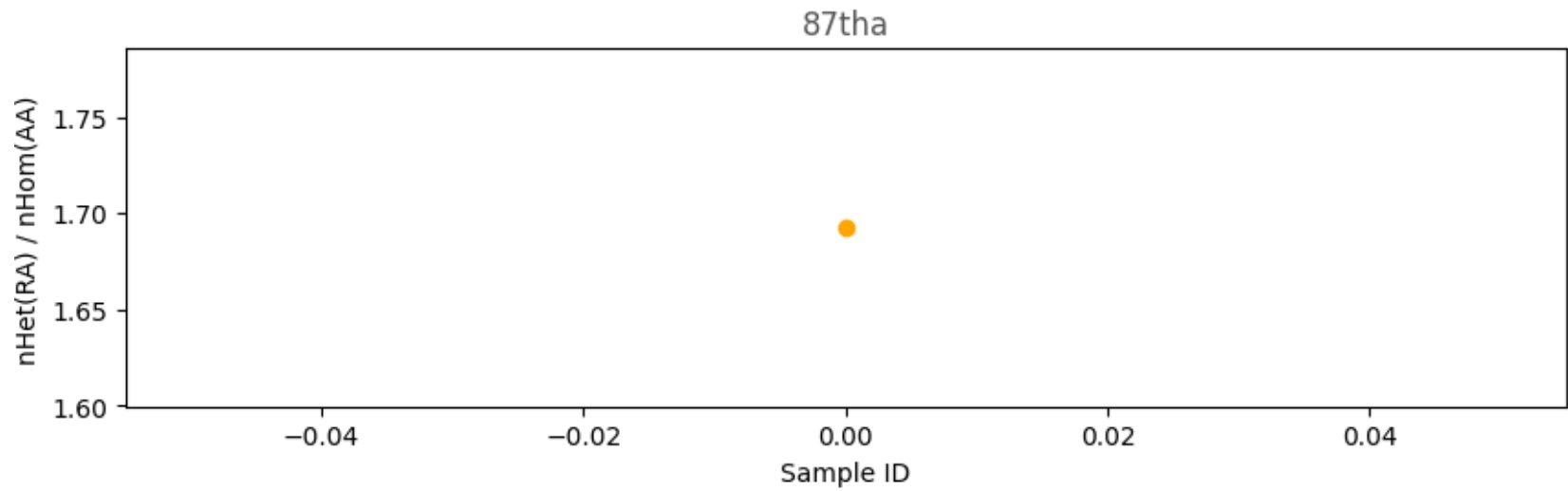
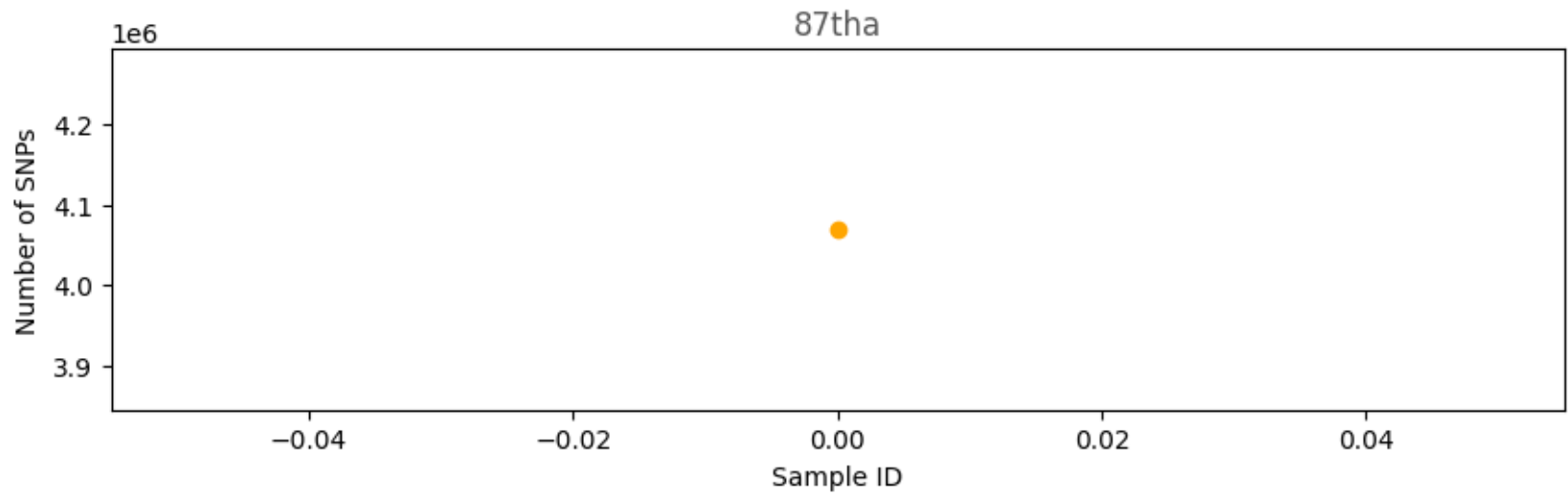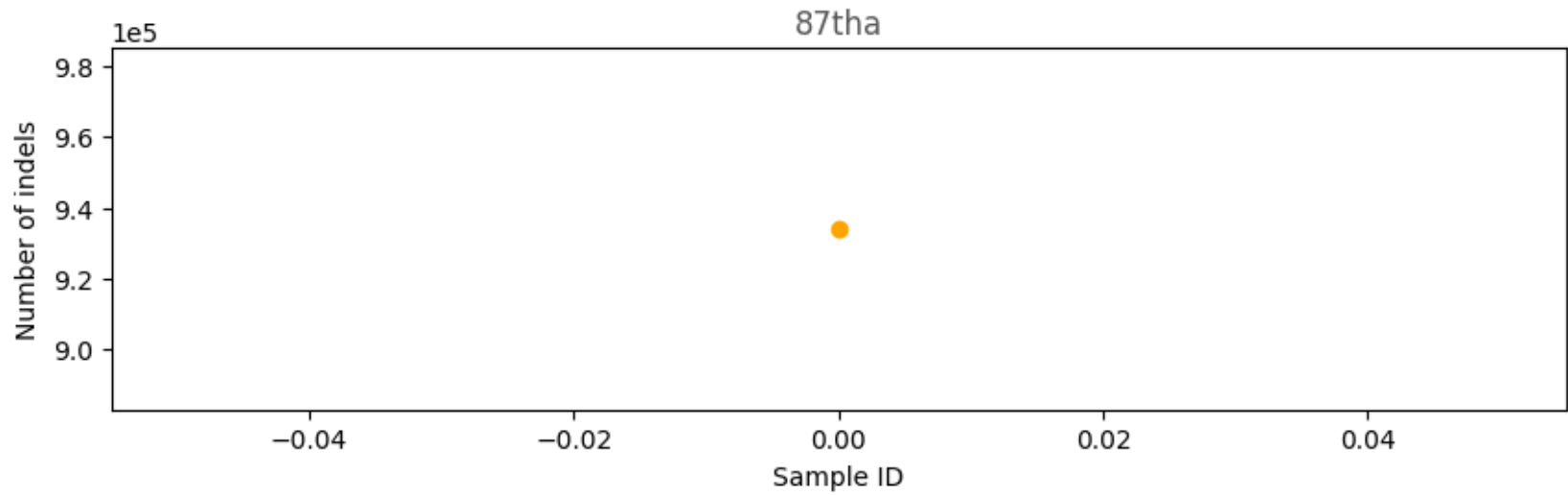# Singletons by sample (hets and homs)
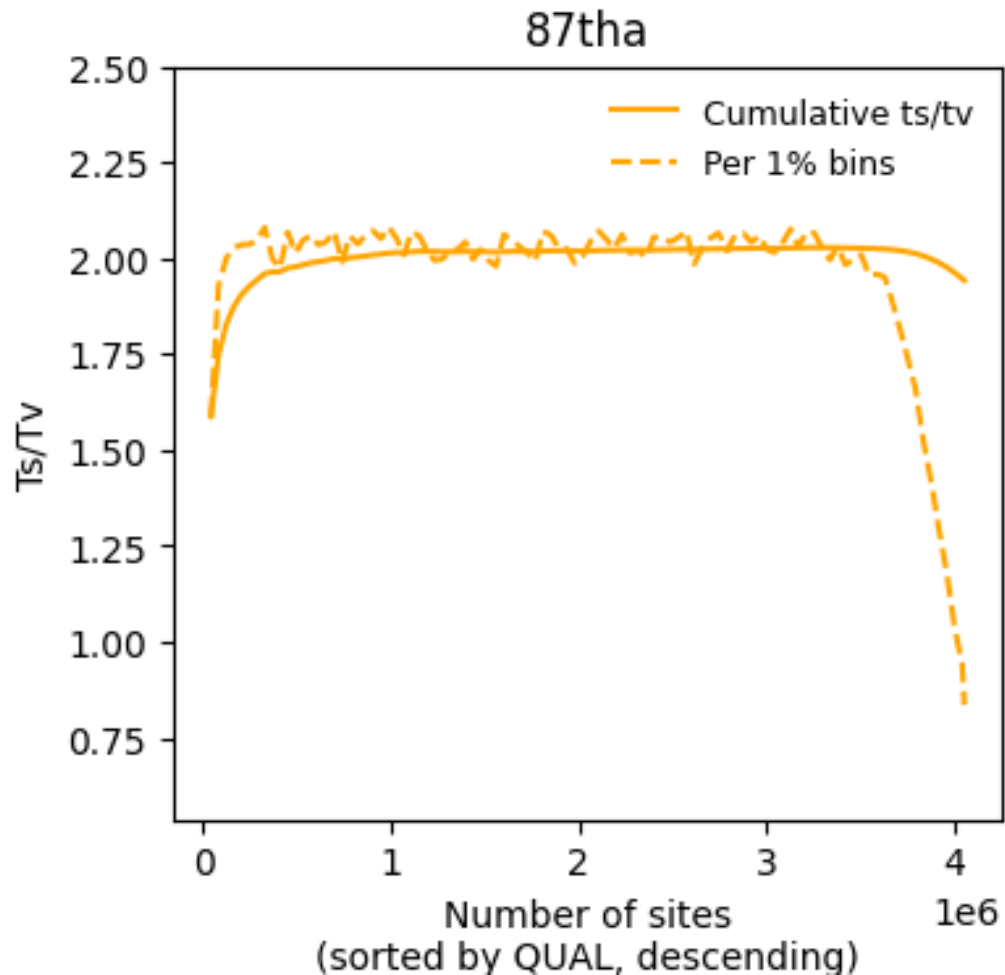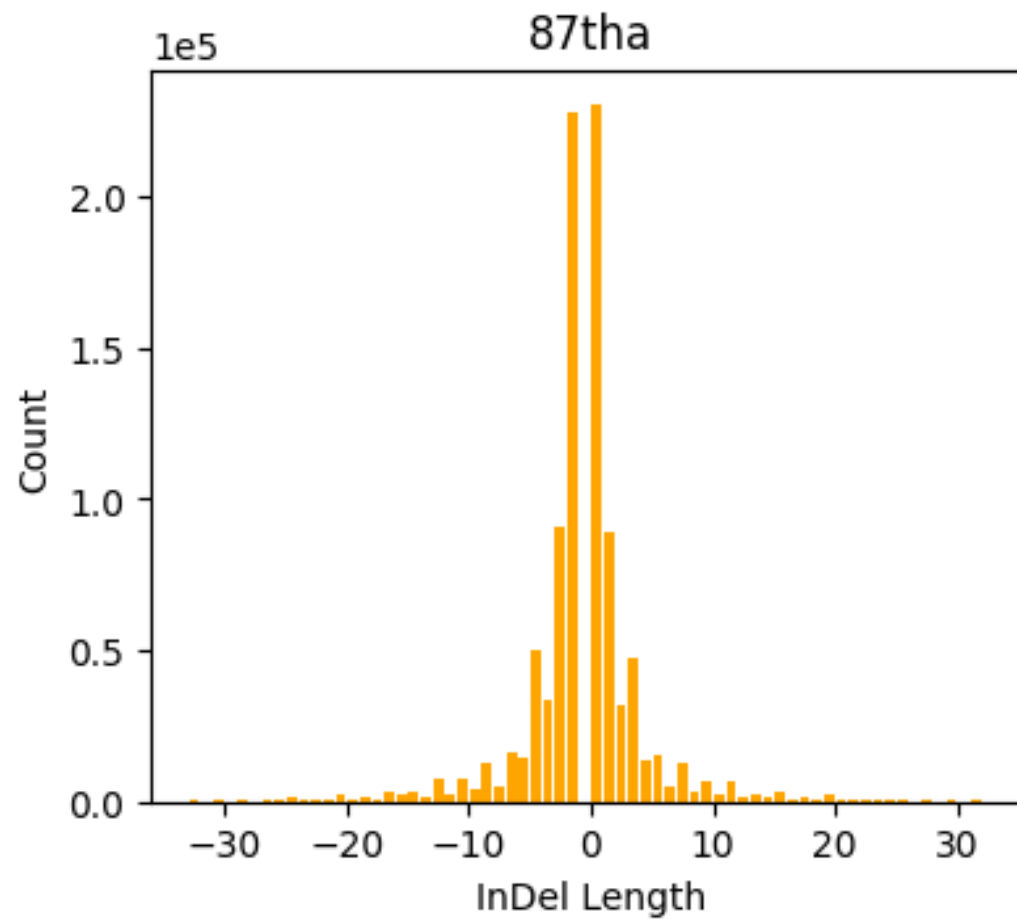
# Average depth by sample

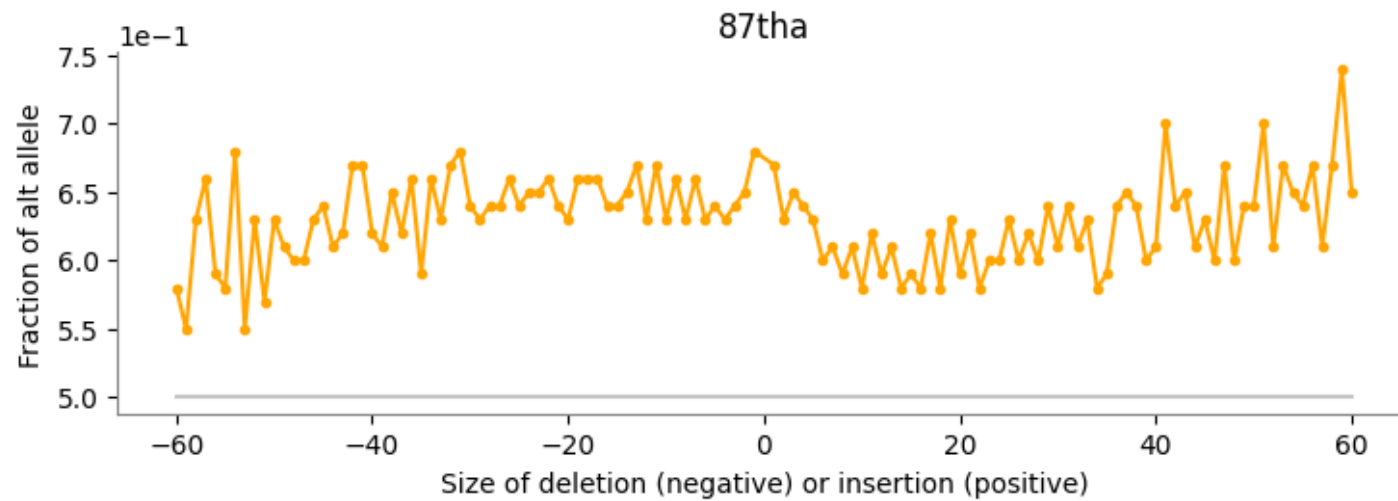# Number of SNPs by sample

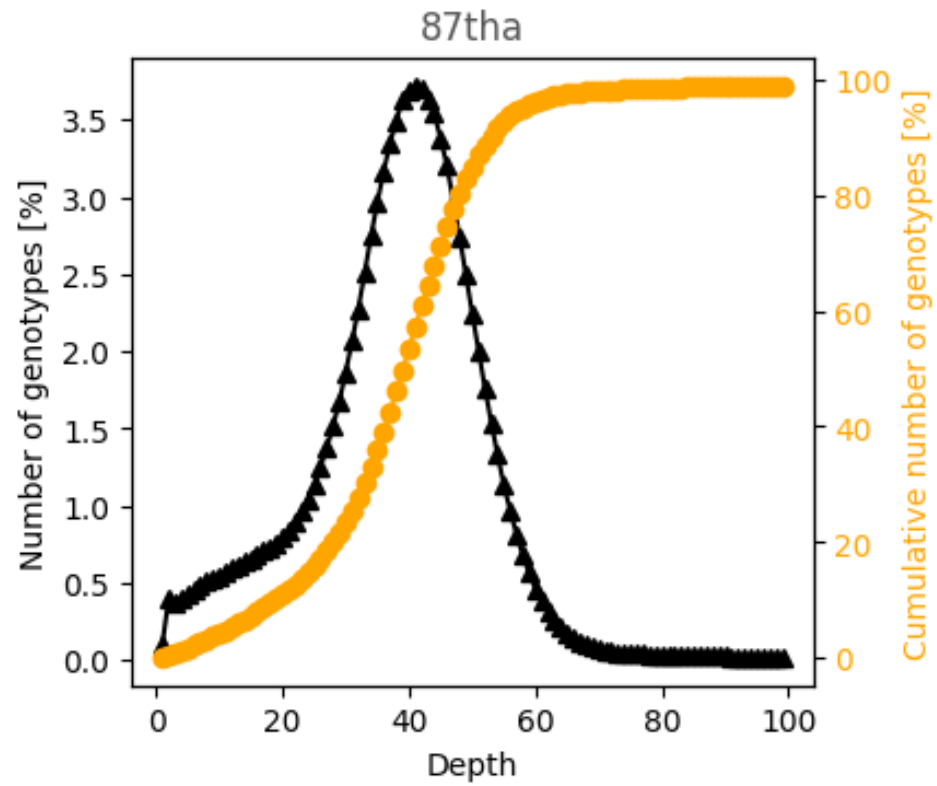# Number of indels by sample

# Ts/Tv stratified by QUAL

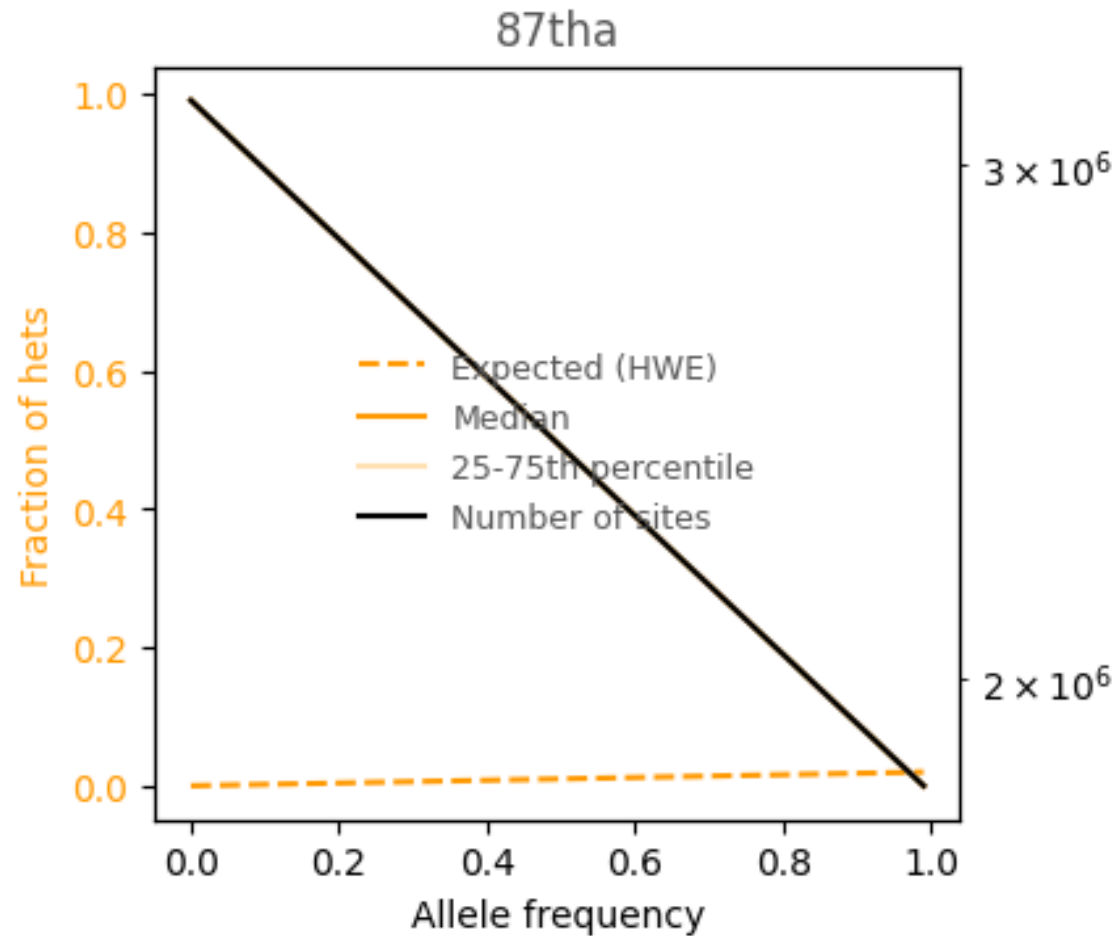

87tha

# Indel distribution



87tha

# Fraction of alternate indel allele

# Depth distribution

# Number of HETs by AF

# Substitution types