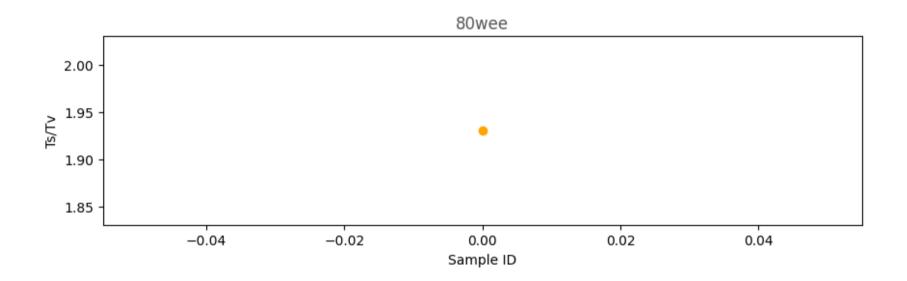
### **Summary Numbers**

|                                  | SNPs      |       |           | indels  |      | MNPs | others |  |  |  |
|----------------------------------|-----------|-------|-----------|---------|------|------|--------|--|--|--|
| Callset                          | n         | ts/tv | (1st ALT) | n       | frm* |      |        |  |  |  |
| 80wee                            | 4,068,049 | 1.93  | 1.94      | 936,116 | -    | 0    | 0      |  |  |  |
| * frameshift ratio: out/(out+in) |           |       |           |         |      |      |        |  |  |  |

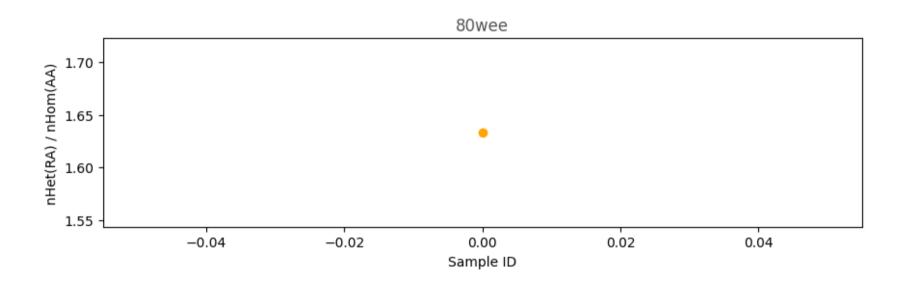
|         | singl | etons (A | multiallelic |        |       |
|---------|-------|----------|--------------|--------|-------|
| Callset | SNPs  | ts/tv    | indels       | sites  | SNPs  |
| 80wee   | 62.0% | 1.90     | 66.2%        | 93,376 | 2,001 |

- 80wee .. /ngc/projects2/gm/data/archive/2022/variants/snv/80weecthm-103754934684-Normal\_B lood\_noinfo-WGS\_v1\_IlluminaDNAPCRFree\_RHGM00213-210629\_A00559\_BH2GFCDMXY-EXT\_LAB KA\_NGCWGS-NGCWGS00129\_802r3h4s1\_snv\_germline\_raw.haplotype\_caller.vcf.gz

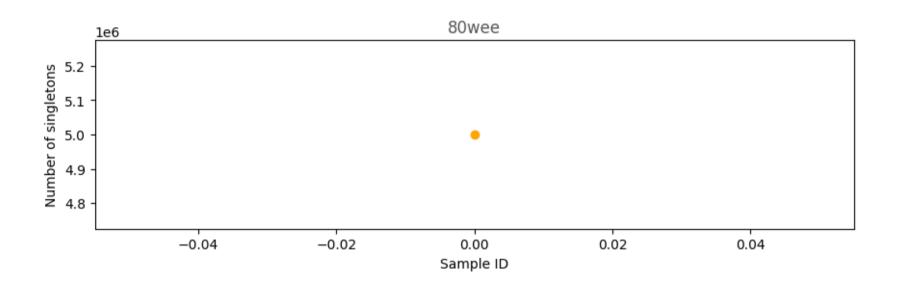
# Ts/Tv by sample



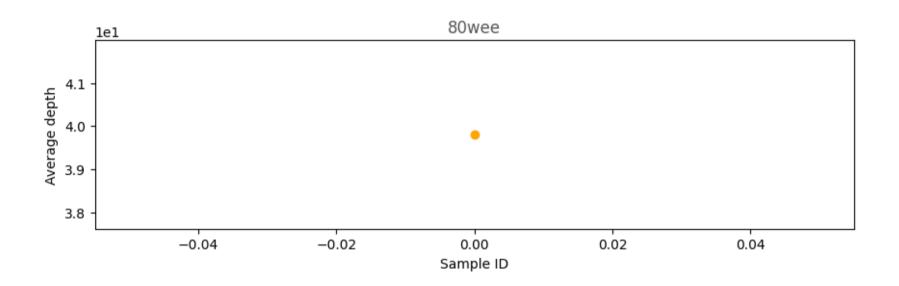
### Hets vs non-ref Homs by sample



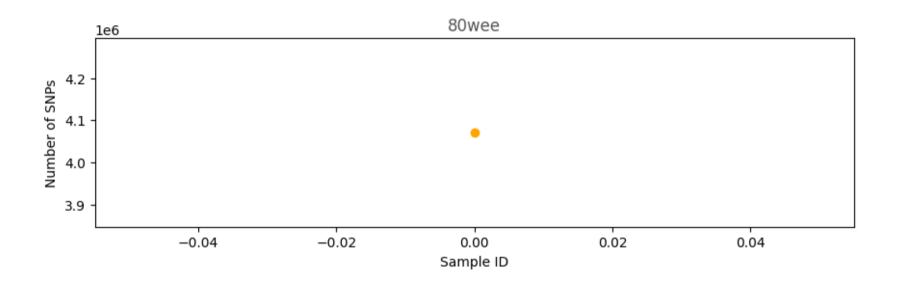
### Singletons by sample (hets and homs)



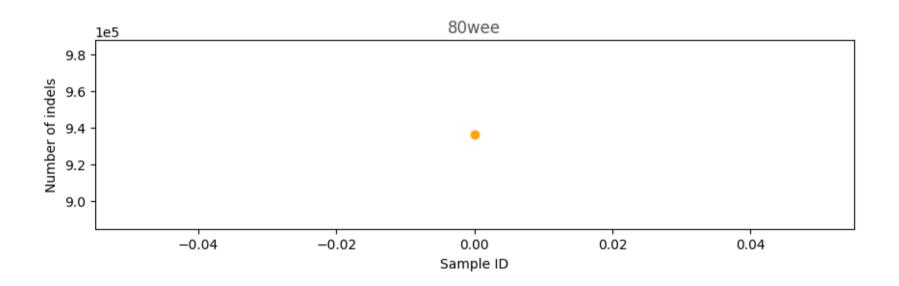
## Average depth by sample



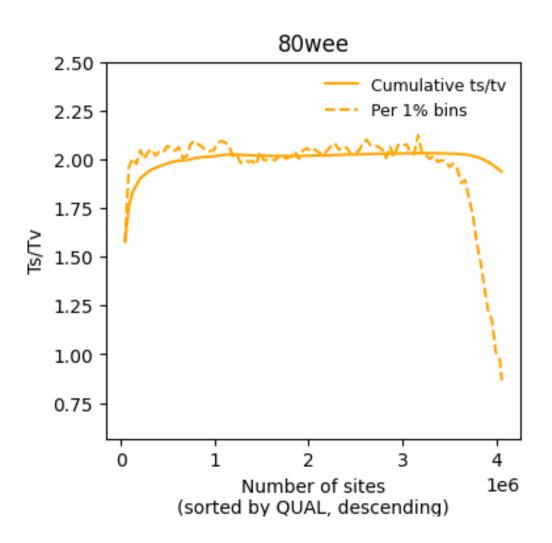
## Number of SNPs by sample



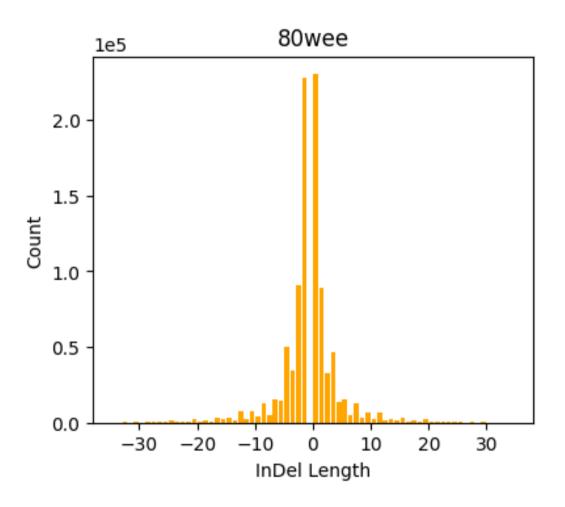
## Number of indels by sample



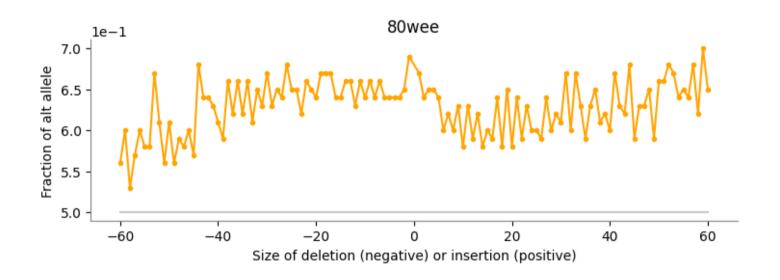
### Ts/Tv stratified by QUAL



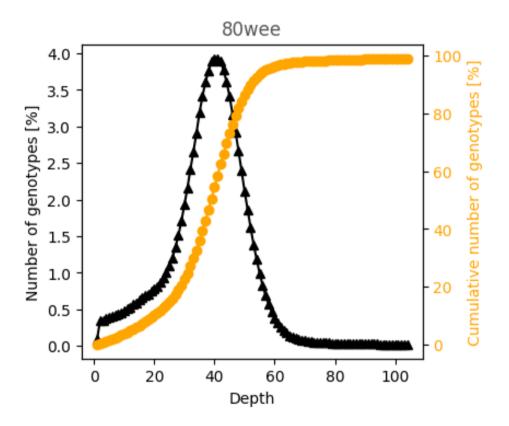
#### Indel distribution



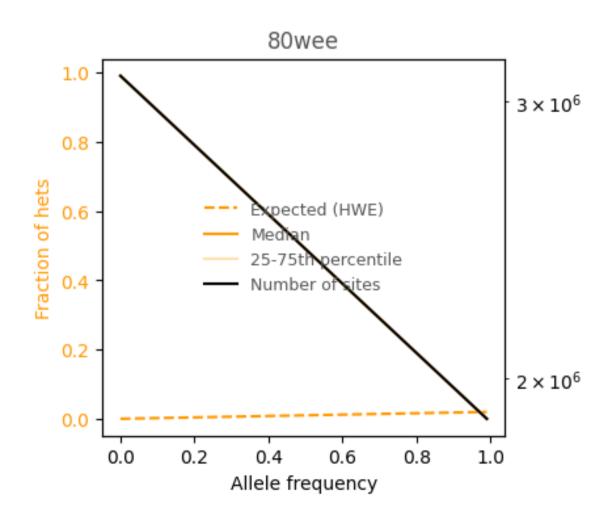
#### Fraction of alternate indel allele



## Depth distribution



### Number of HETs by AF



## Substitution types

