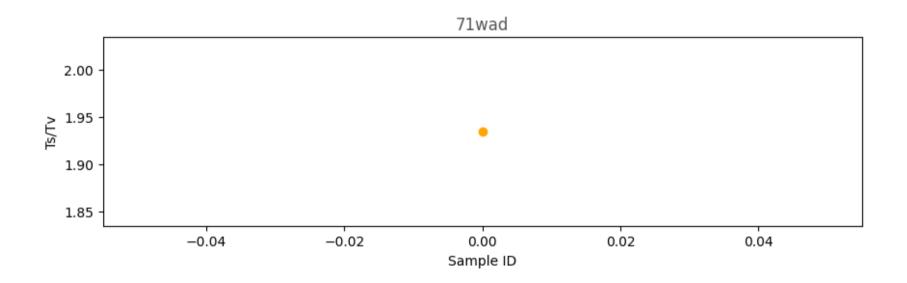
### **Summary Numbers**

|                                  | SNPs      |       |           | indels  |      | MNPs | others |  |  |
|----------------------------------|-----------|-------|-----------|---------|------|------|--------|--|--|
| Callset                          | n         | ts/tv | (1st ALT) | n       | frm* |      |        |  |  |
| 71wad                            | 4,085,054 | 1.93  | 1.94      | 972,584 | _    | 0    | 0      |  |  |
| * frameshift ratio: out/(out+in) |           |       |           |         |      |      |        |  |  |

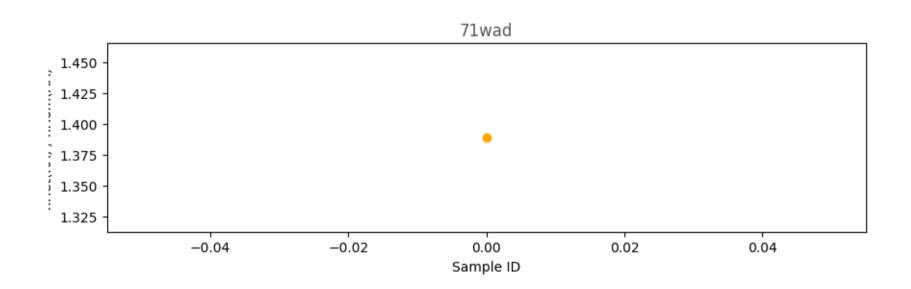
|         | singl | etons (A | multiallelic |         |       |
|---------|-------|----------|--------------|---------|-------|
| Callset | SNPs  | ts/tv    | indels       | sites   | SNPs  |
| 71wad   | 58.2% | 1.89     | 64.0%        | 102,535 | 1,795 |

- 71wad .. /ngc/projects2/gm/data/archive/2022/variants/snv/71wadthem-103833382532-Normal\_B lood\_noinfo-WGS\_v1\_IlluminaDNAPCRFree\_RHGM00592-220209\_A01176\_AHFHJTDSX3-EXT\_LAB KA\_NGCWGS-NGCWGS03786\_snv\_germline\_raw.haplotype\_caller.vcf.gz

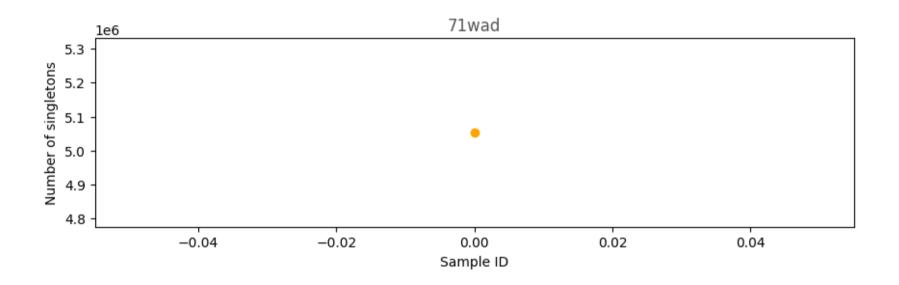
# Ts/Tv by sample



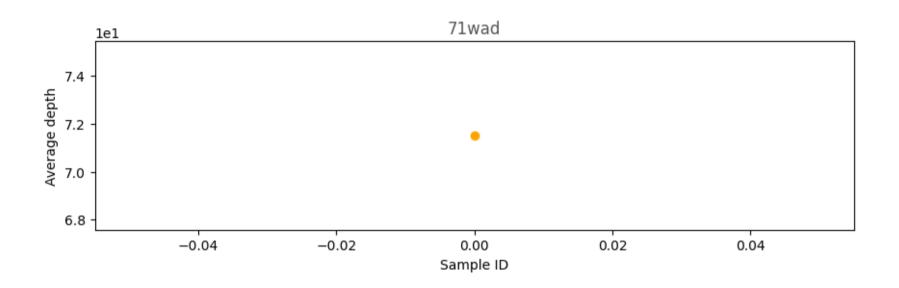
### Hets vs non-ref Homs by sample



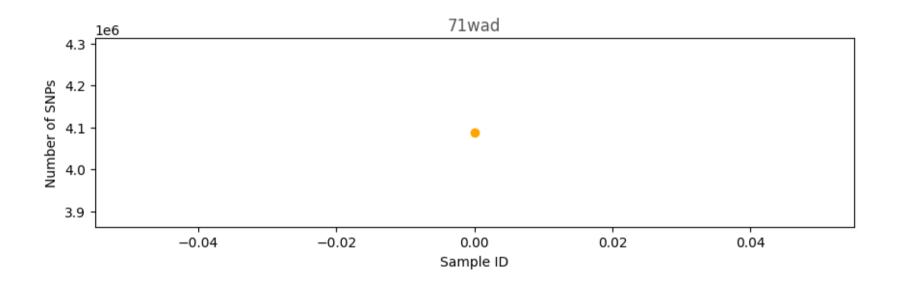
### Singletons by sample (hets and homs)



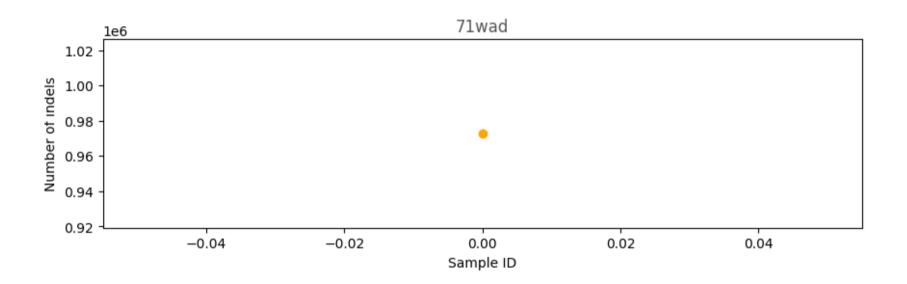
# Average depth by sample



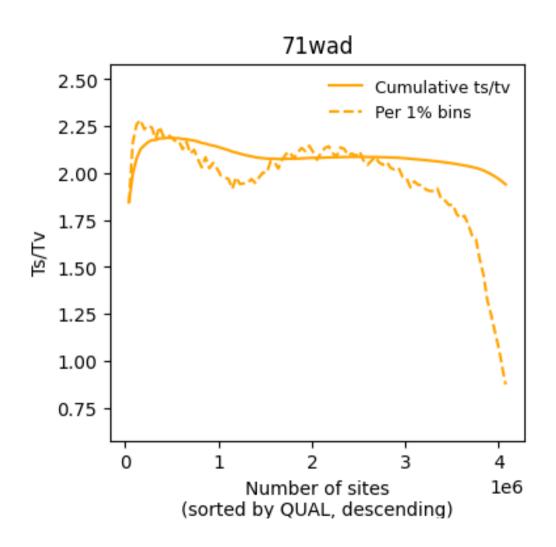
# Number of SNPs by sample



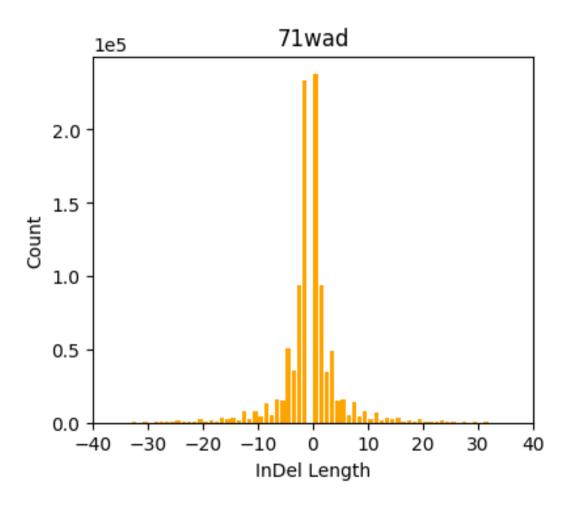
### Number of indels by sample



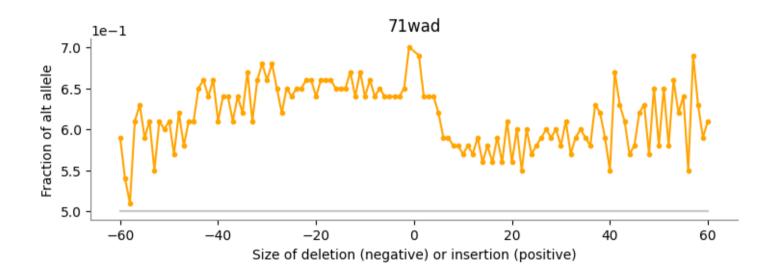
### Ts/Tv stratified by QUAL



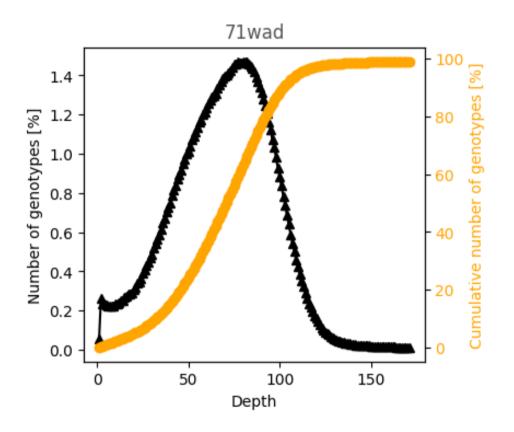
#### Indel distribution



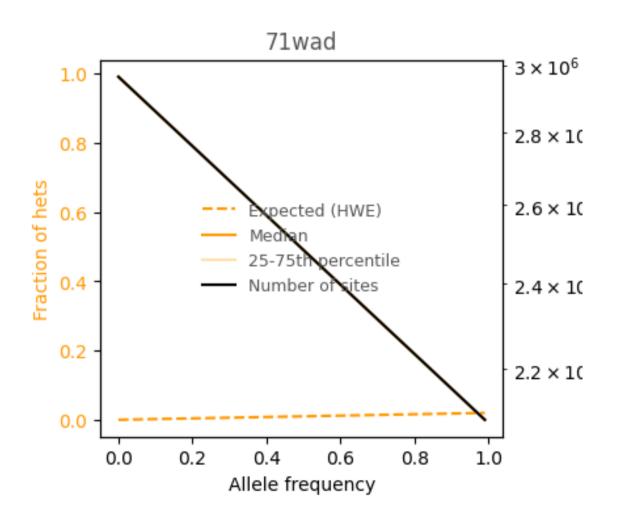
#### Fraction of alternate indel allele



# Depth distribution



#### Number of HETs by AF



### Substitution types

