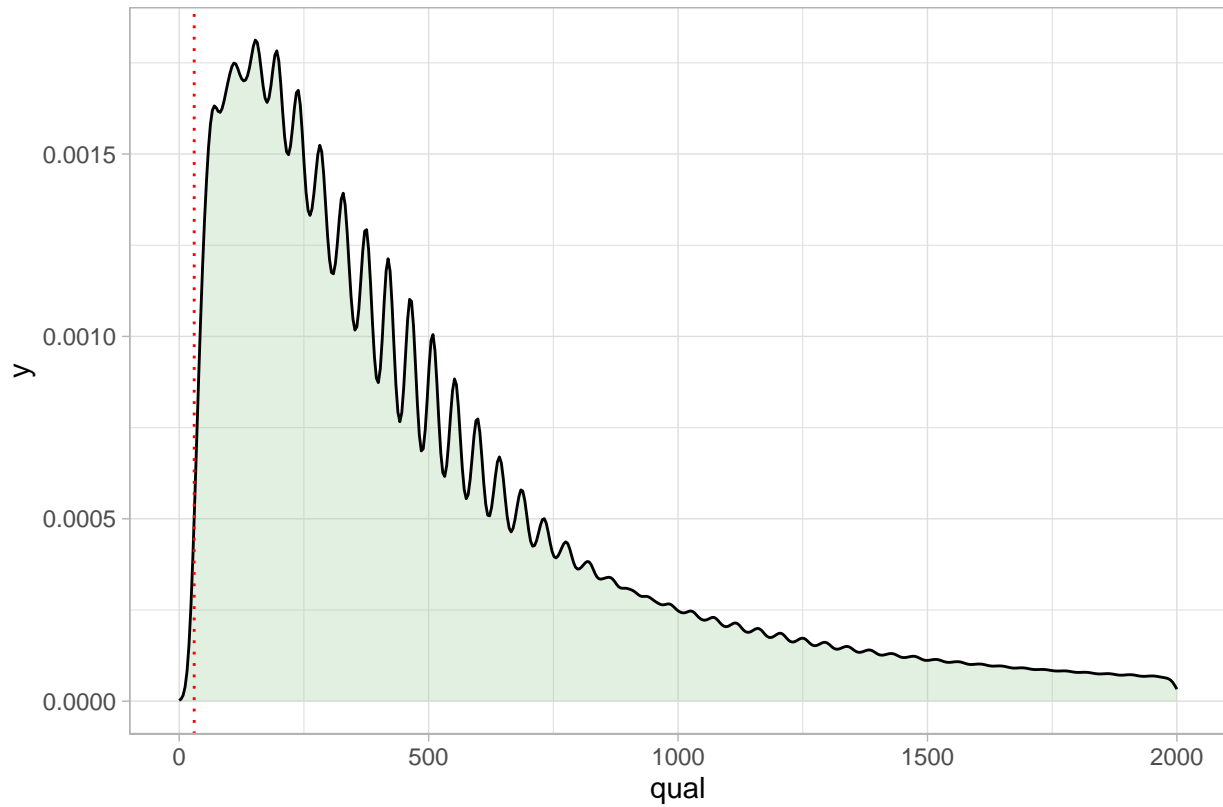


## joint-36-chrom1 Filtering

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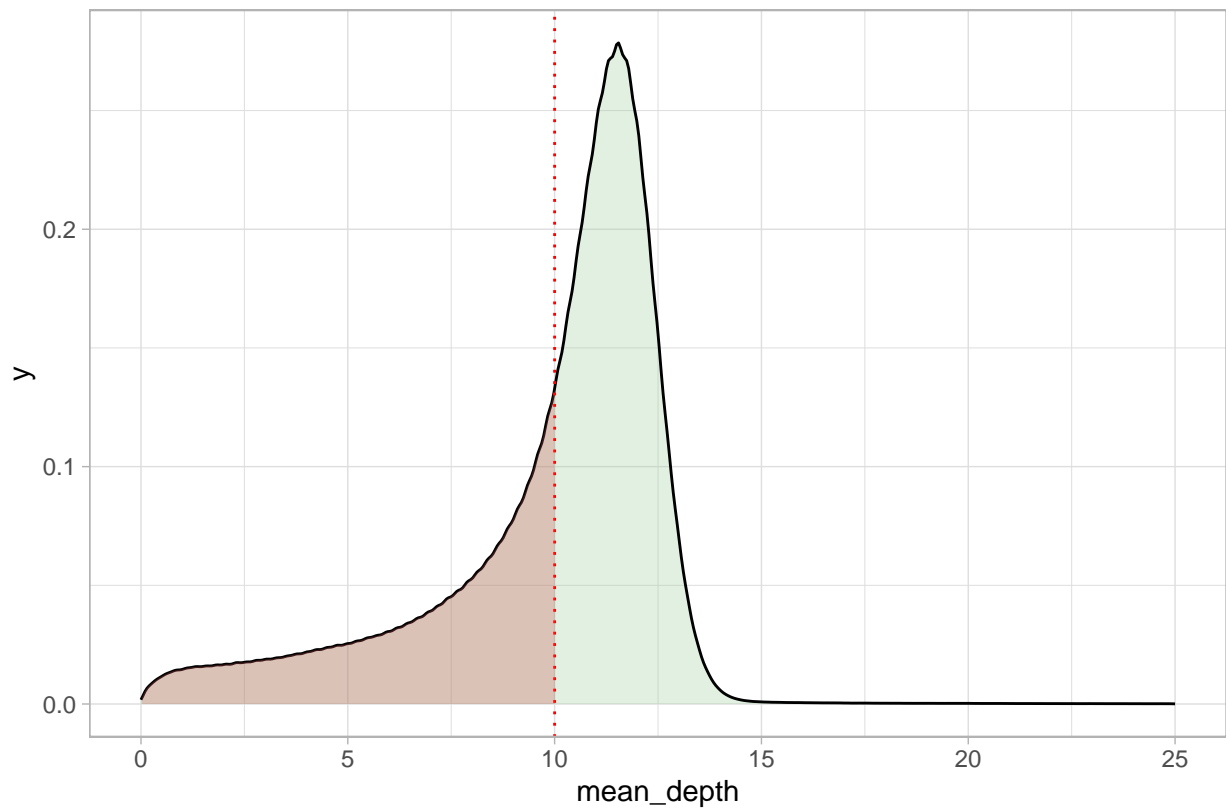
### Variant quality



Recommended to filter variants with QUAL < 30

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	30.0	213.6	458.1	1560.0	1088.4	2195670.0

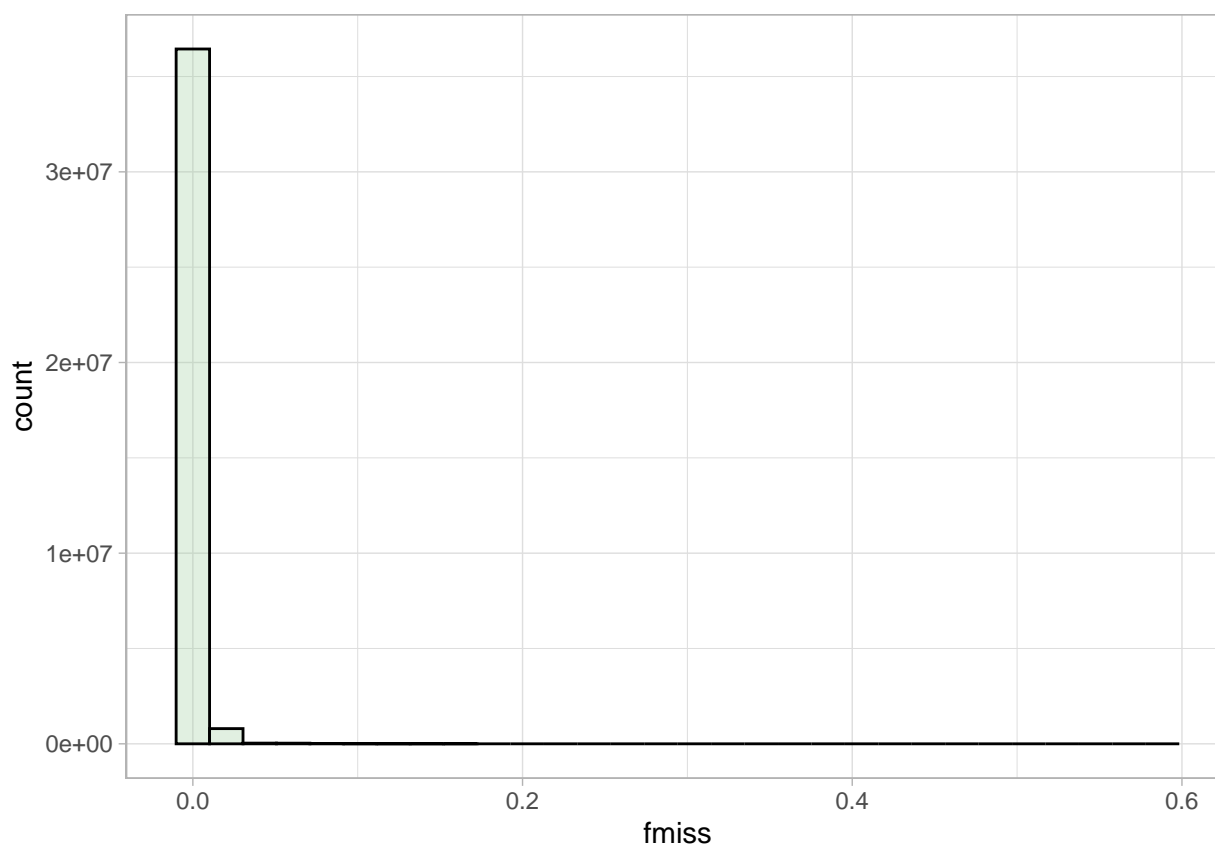
## Variant mean depth



Recommended to filter variants with depth < 10

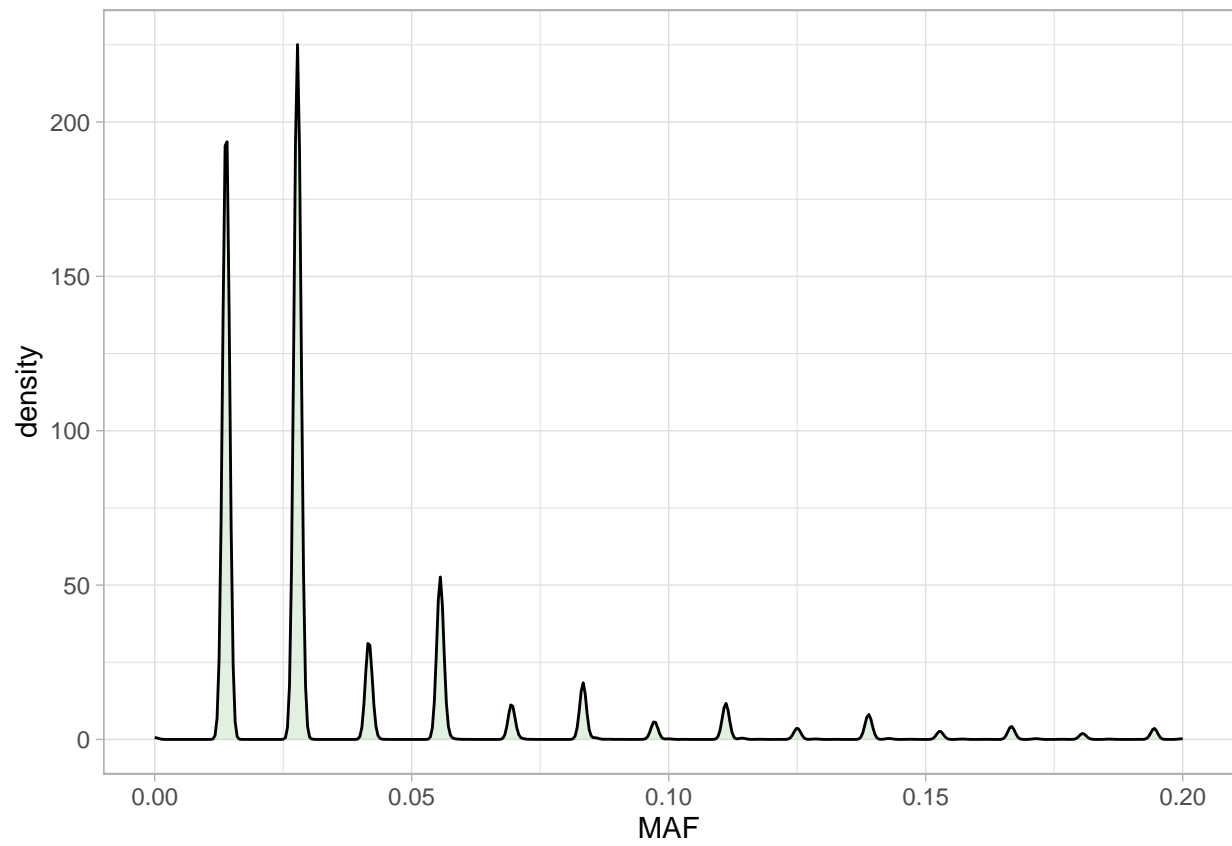
##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	0.0278	8.8889	10.8056	9.9406	11.7500	2091.0600

## Variant missingness



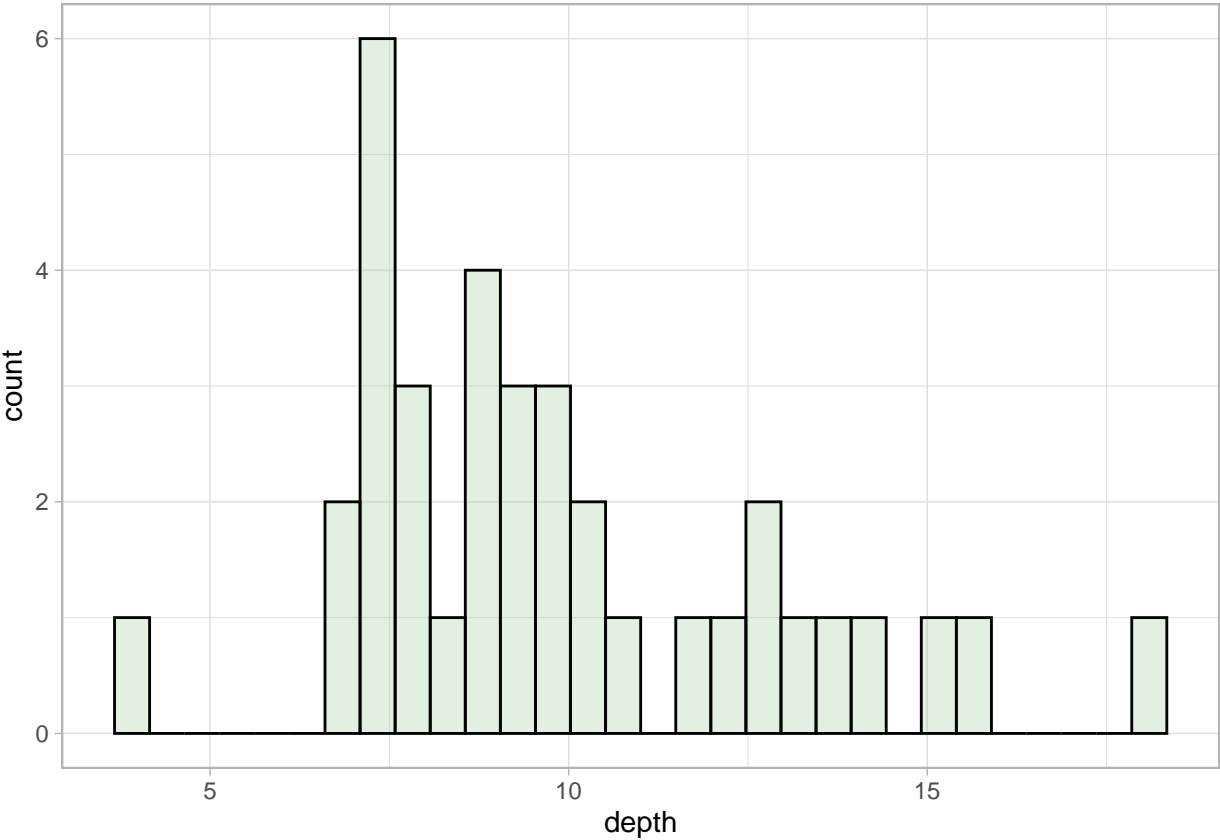
##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	0.0000000	0.0000000	0.0000000	0.0005579	0.0000000	0.5882350

## Minor allele frequency



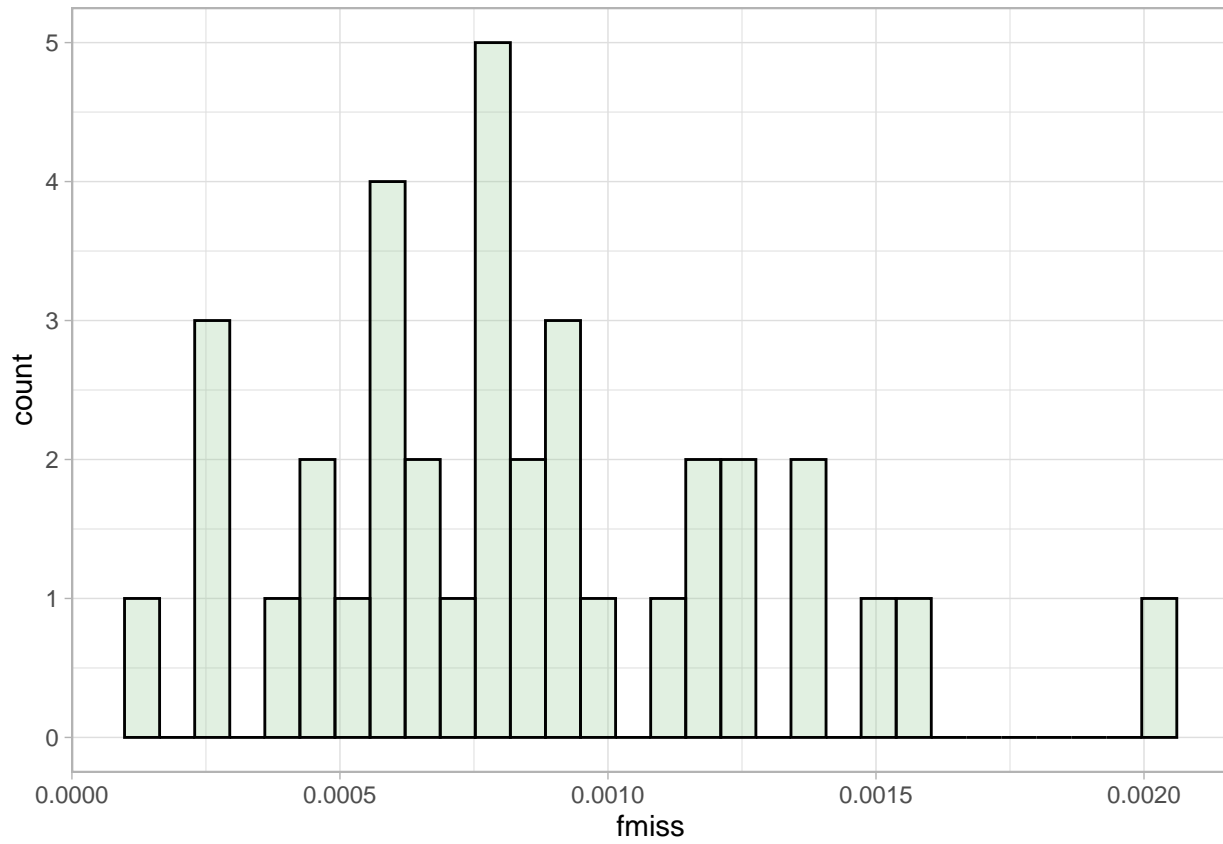
##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	0.00000	0.01389	0.02778	0.05721	0.05556	0.50000

Mean depth per individual



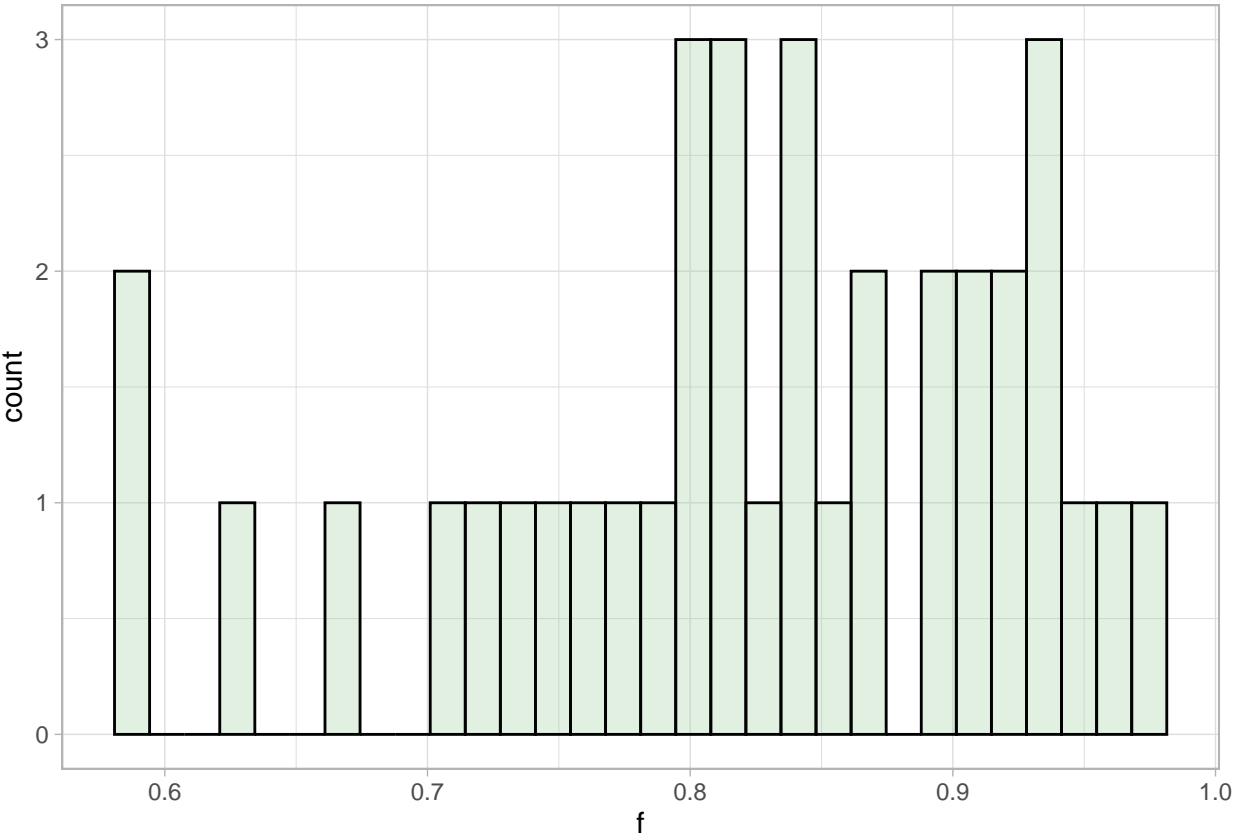
##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	4.060	7.611	9.156	9.943	11.786	18.244

## Proportion of missing data per individual



```
##      Min.   1st Qu.   Median     Mean   3rd Qu.    Max.
## 0.0001013 0.0005896 0.0008000 0.0008417 0.0011291 0.0019988
```

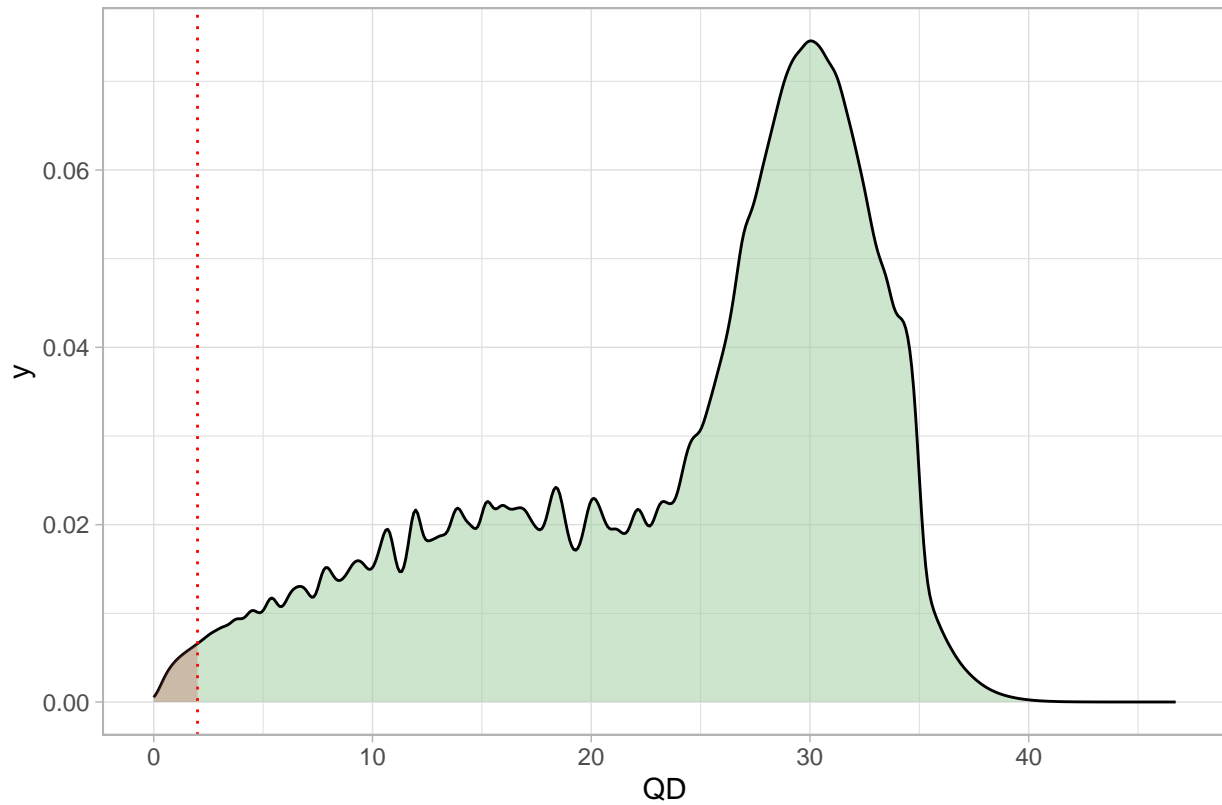
Heterozygosity and inbreeding coefficient per individual



##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	0.5894	0.7767	0.8379	0.8243	0.9105	0.9766



## Quality by depth

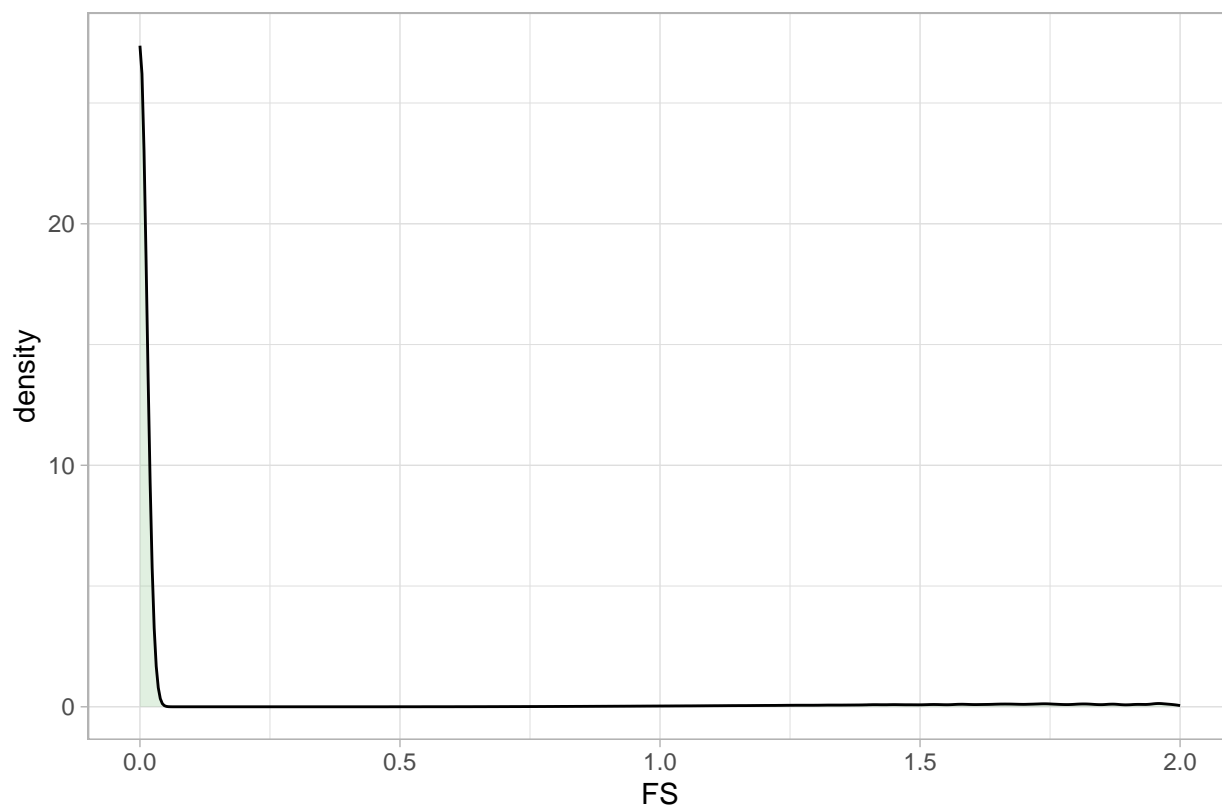


Recommended to filter variants with QD < 2

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
##	0.00	17.50	27.11	23.96	30.80	46.72	13



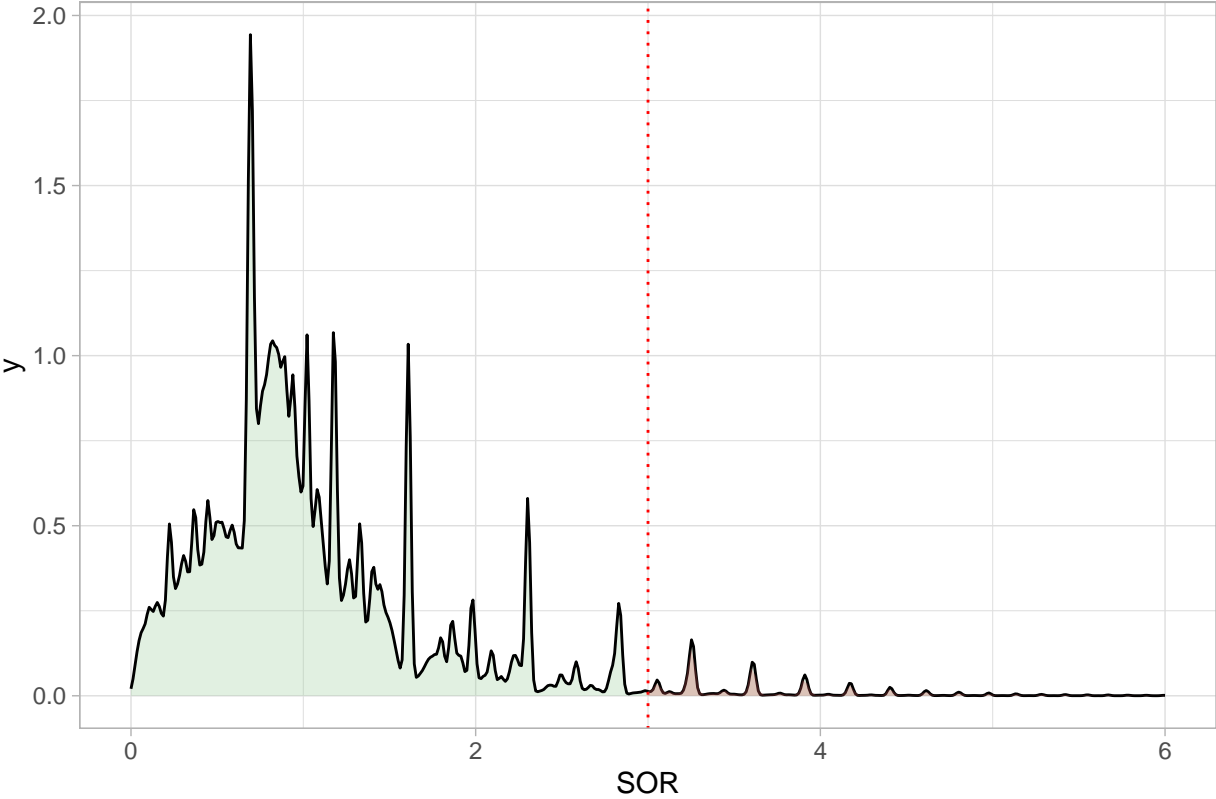
## Fisher Strand test



Recommended to filter variants with FS > 60

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	0.000	0.000	0.000	1.564	2.081	481.284

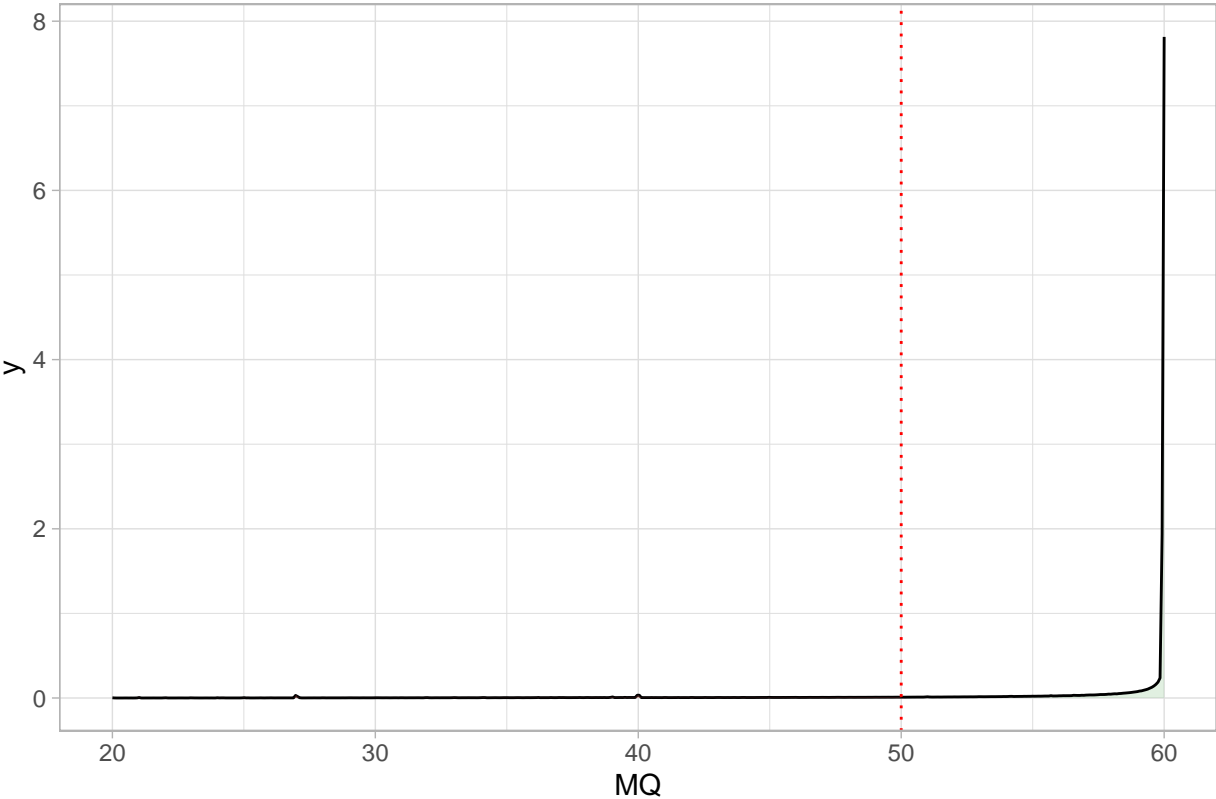
Strands Odds Ratio



Recommended to filter variants with SOR > 3

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	0.000	0.673	0.892	1.077	1.329	15.747

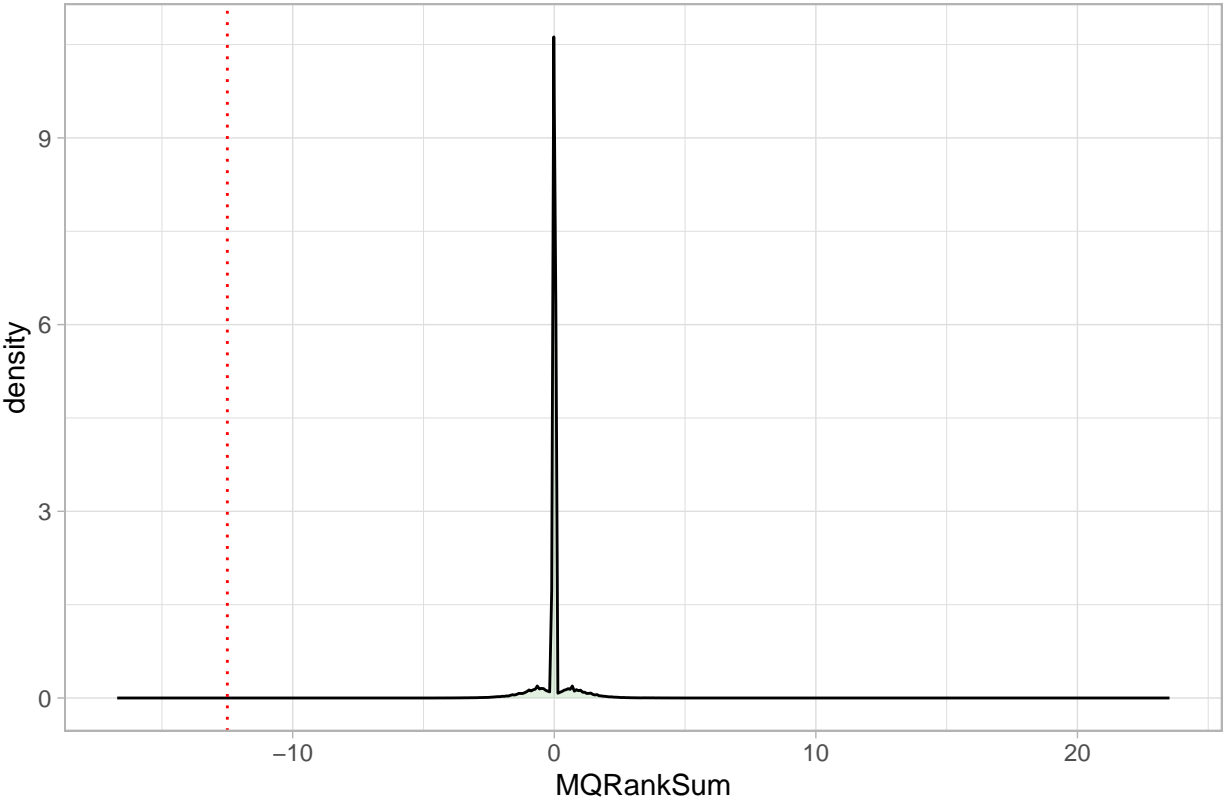
Root means square mapping quality



Recommended to filter variants with MQ < 40

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	20.00	58.87	60.00	57.41	60.00	60.00

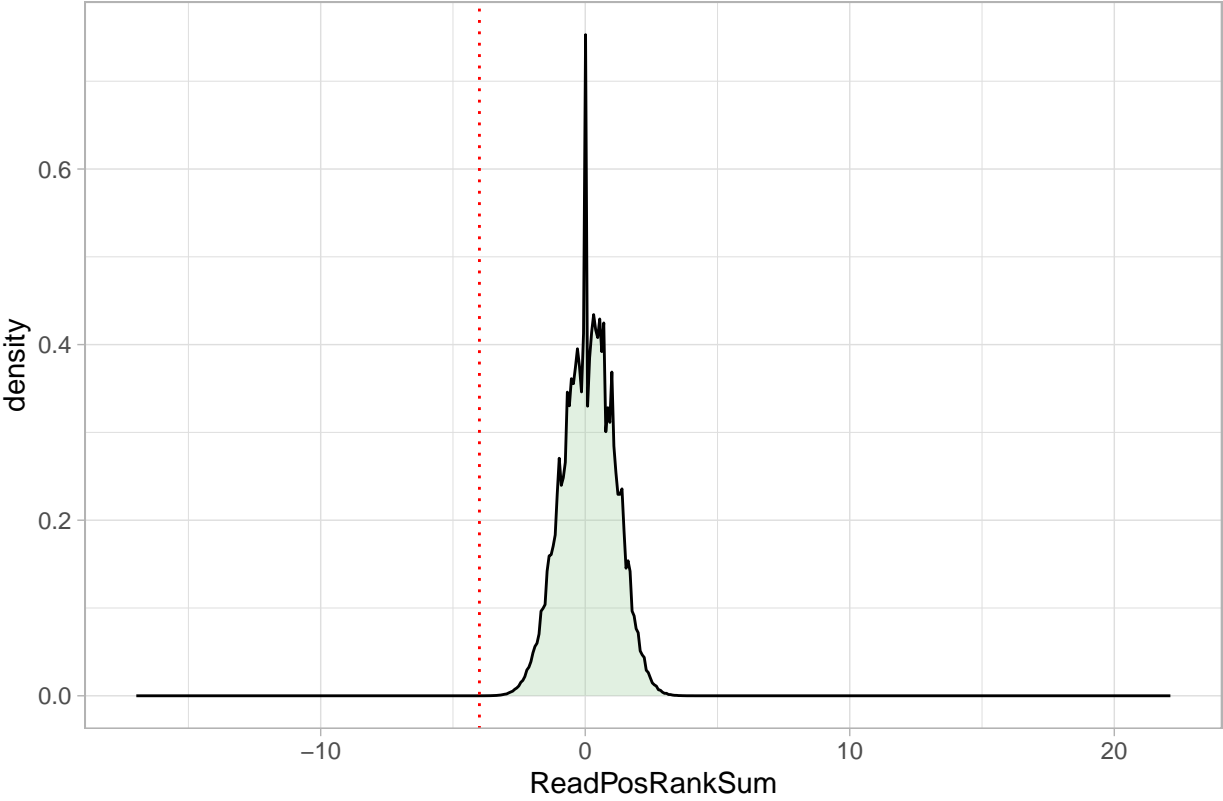
Mapping Quality Rank Sum Test



Recommended to filter variants with MQRankSum < -12.5

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
##	-17	0	0	0	0	24	17777358

Position Rank Sum Test



Recommended to filter variants with ReadPosRankSum < -4

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
##	-17	-1	0	0	1	22	17835526