

# Rfastp Report

## Summary

General	
fastp version:	0.21.0 ( <a href="https://github.com/OpenGene/fastp">https://github.com/OpenGene/fastp</a> )
sequencing:	single end (148 cycles)
mean length before filtering:	148bp
mean length after filtering:	125bp
duplication rate:	8.415952% (may be overestimated since this is SE data)
Detected read1 adapter:	AGATCGGAAGAGCACACGTCTGAACTCCAGTCA

## Before filtering

total reads:	53.589419 M
total bases:	7.931234 G
Q20 bases:	7.433562 G (93.725169%)
Q30 bases:	7.071094 G (89.155024%)
GC content:	51.083613%

## After filtering

total reads:	52.771983 M
total bases:	6.629240 G
Q20 bases:	6.286434 G (94.828872%)
Q30 bases:	6.032528 G (90.998783%)
GC content:	50.931999%

## Filtering result

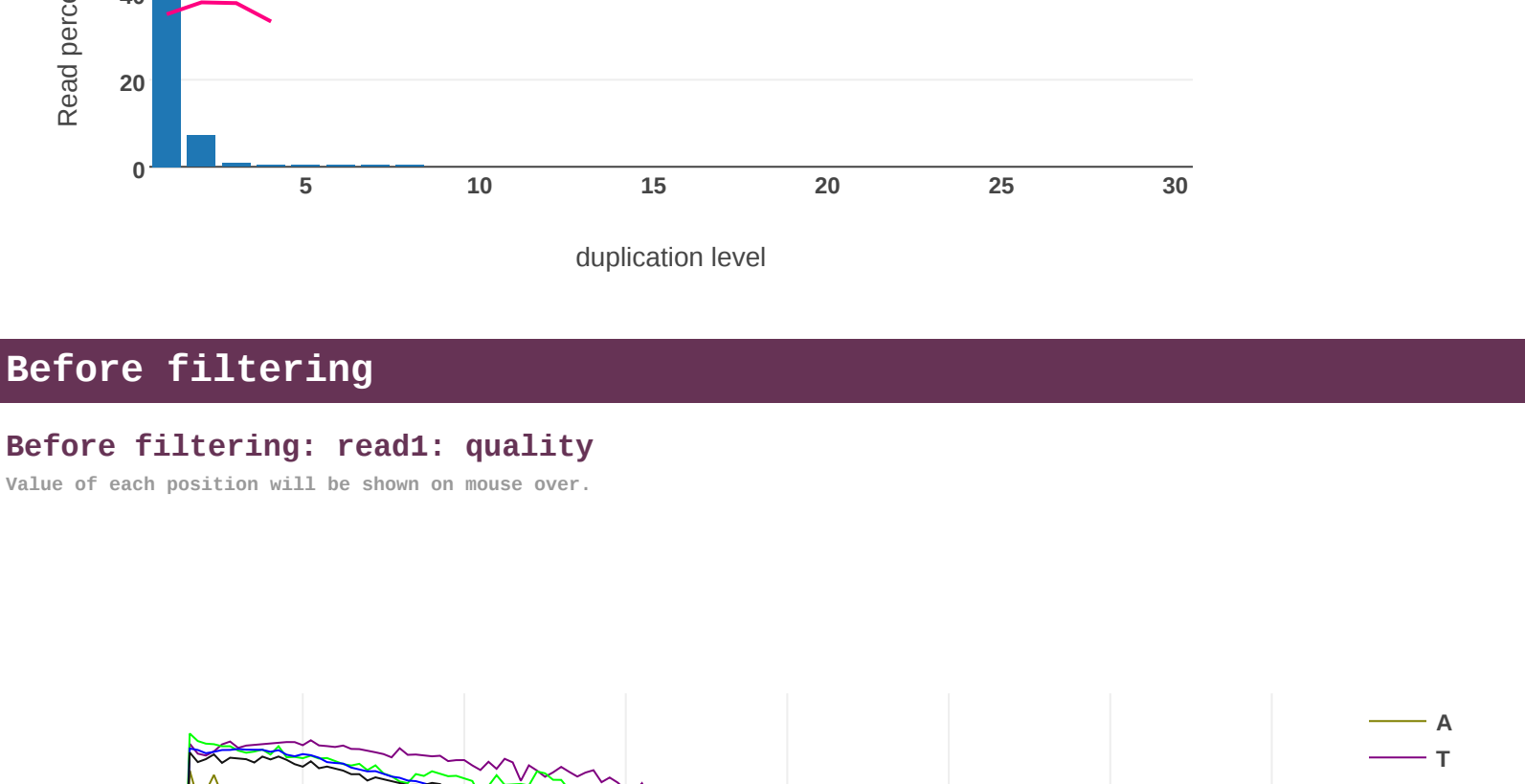
reads passed filters:	52.771983 M (98.474632%)
reads with low quality:	558.239090 K (1.041696%)
reads with too many N:	11.759090 K (0.021943%)
reads too short:	247.438080 K (0.461729%)

## Adapters

### Adapter or bad ligation of read1

Sequence	Occurrences
AGATC	507892
AGATCG	476365
AGATCGG	477865
AGATCGGA	465868
AGATCGGAA	478521
AGATCGGAAG	442603
AGATCGGAAGA	438053
AGATCGGAAGAG	423788
AGATCGGAAGAGC	488170
AGATCGGAAGAGCA	477831
AGATCGGAAGAGCAC	503833
AGATCGGAAGAGCACAC	460270
AGATCGGAAGAGCACACG	535177
AGATCGGAAGAGCACACGC	549728
AGATCGGAAGAGCACACGCT	618479
AGATCGGAAGAGCACACGCTC	541550
AGATCGGAAGAGCACACGCTCT	597706
AGATCGGAAGAGCACACGCTCTG	500289
AGATCGGAAGAGCACACGCTCTGA	525055
AGATCGGAAGAGCACACGCTCTGAA	609425
AGATCGGAAGAGCACACGCTCTGAAC	498734
AGATCGGAAGAGCACACGCTCTGAACT	517702
AGATCGGAAGAGCACACGCTCTGAATC	628250
AGATCGGAAGAGCACACGCTCTGAATCC	615639
AGATCGGAAGAGCACACGCTCTGAACTCCA	558211
AGATCGGAAGAGCACACGCTCTGAACTCCAG	582815
AGATCGGAAGAGCACACGCTCTGAACTCCAGT	619184
AGATCGGAAGAGCACACGCTCTGAACTCCAGTC	756083
AGATCGGAAGAGCACACGCTCTGAACTCCAGTCA	467870
AGATCGGAAGAGCACACGCTCTGAACTCCAGTCAAC	479855
AGATCGGAAGAGCACACGCTCTGAACTCCAGTCACT	517977
AGATCGGAAGAGCACACGCTCTGAACTCCAGTCACTG	479347
AGATCGGAAGAGCACACGCTCTGAACTCCAGTCACTGA	459177
AGATCGGAAGAGCACACGCTCTGAACTCCAGTCACTGAC	508435
AGATCGGAAGAGCACACGCTCTGAACTCCAGTCACTGACCC	430184
AGATCGGAAGAGCACACGCTCTGAACTCCAGTCACTGACCA	418118
AGATCGGAAGAGCACACGCTCTGAACTCCAGTCACTGACCAA	444607
AGATCGGAAGAGCACACGCTCTGAACTCCAGTCACTGACCAAT	442971
AGATCGGAAGAGCACACGCTCTGAACTCCAGTCACTGACCAATCT	365093
AGATCGGAAGAGCACACGCTCTGAACTCCAGTCACTGACCAATCTC	359918
AGATCGGAAGAGCACACGCTCTGAACTCCAGTCACTGACCAATCTCG	345043
AGATCGGAAGAGCACACGCTCTGAACTCCAGTCACTGACCAATCTCGT	336882
other adapter sequences	11746438

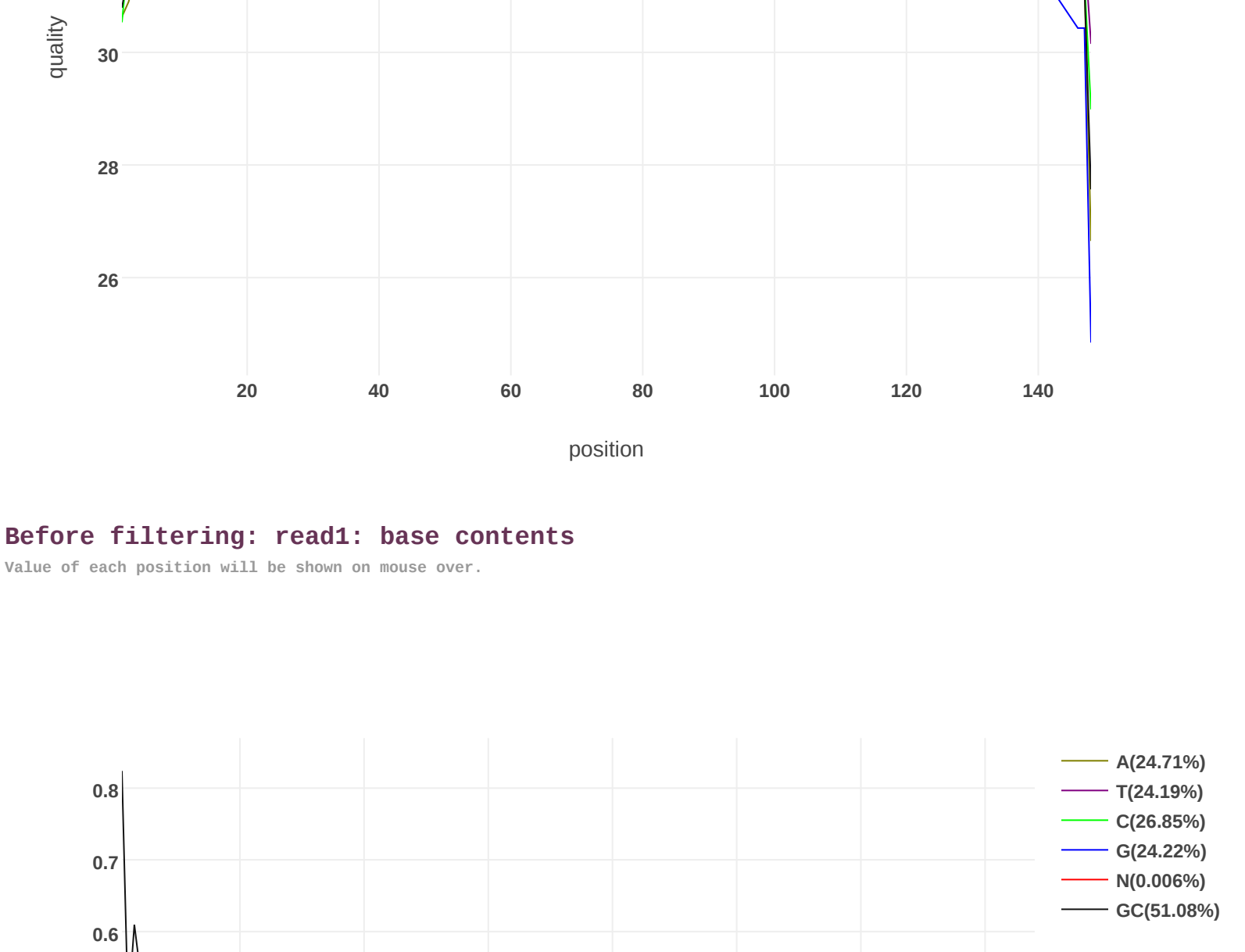
## Duplication



## Before filtering

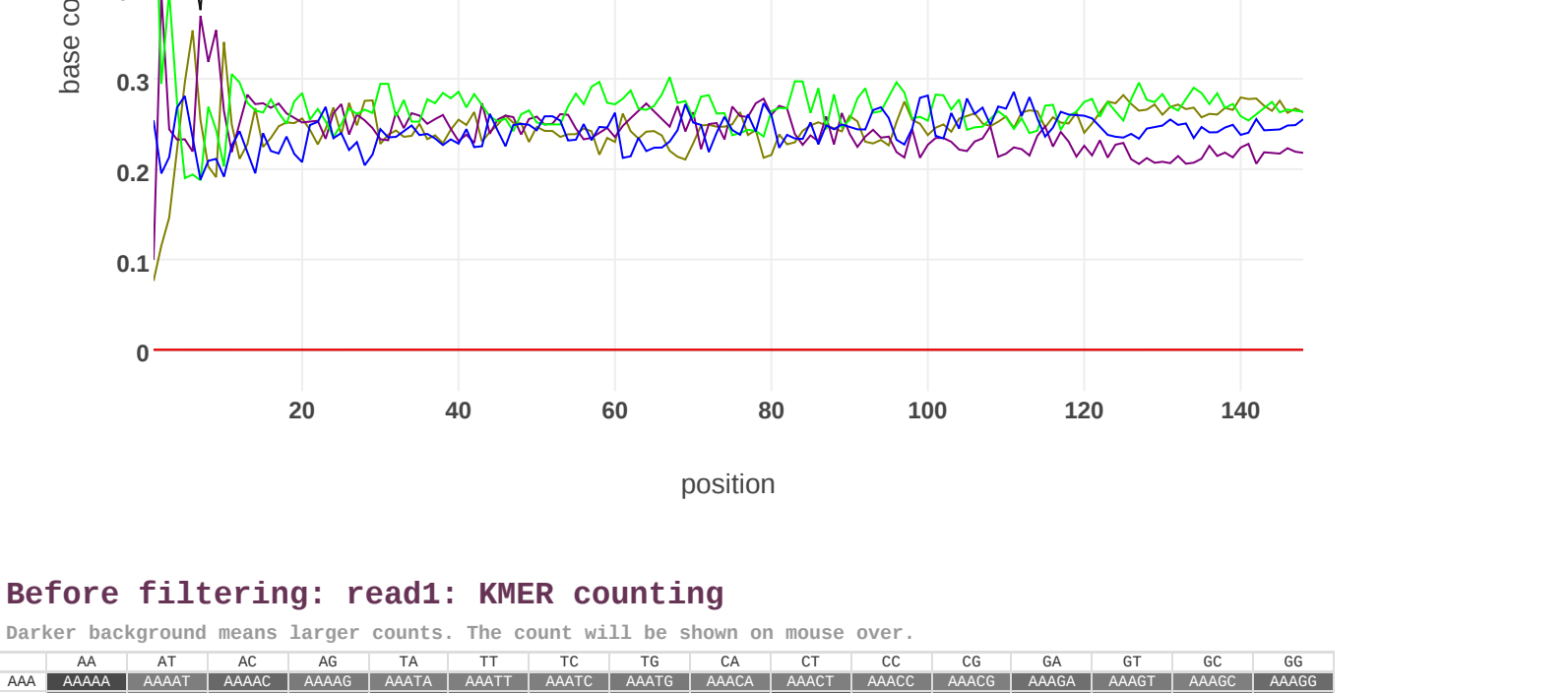
### Before filtering: read1: quality

Value of each position will be shown on mouse over .



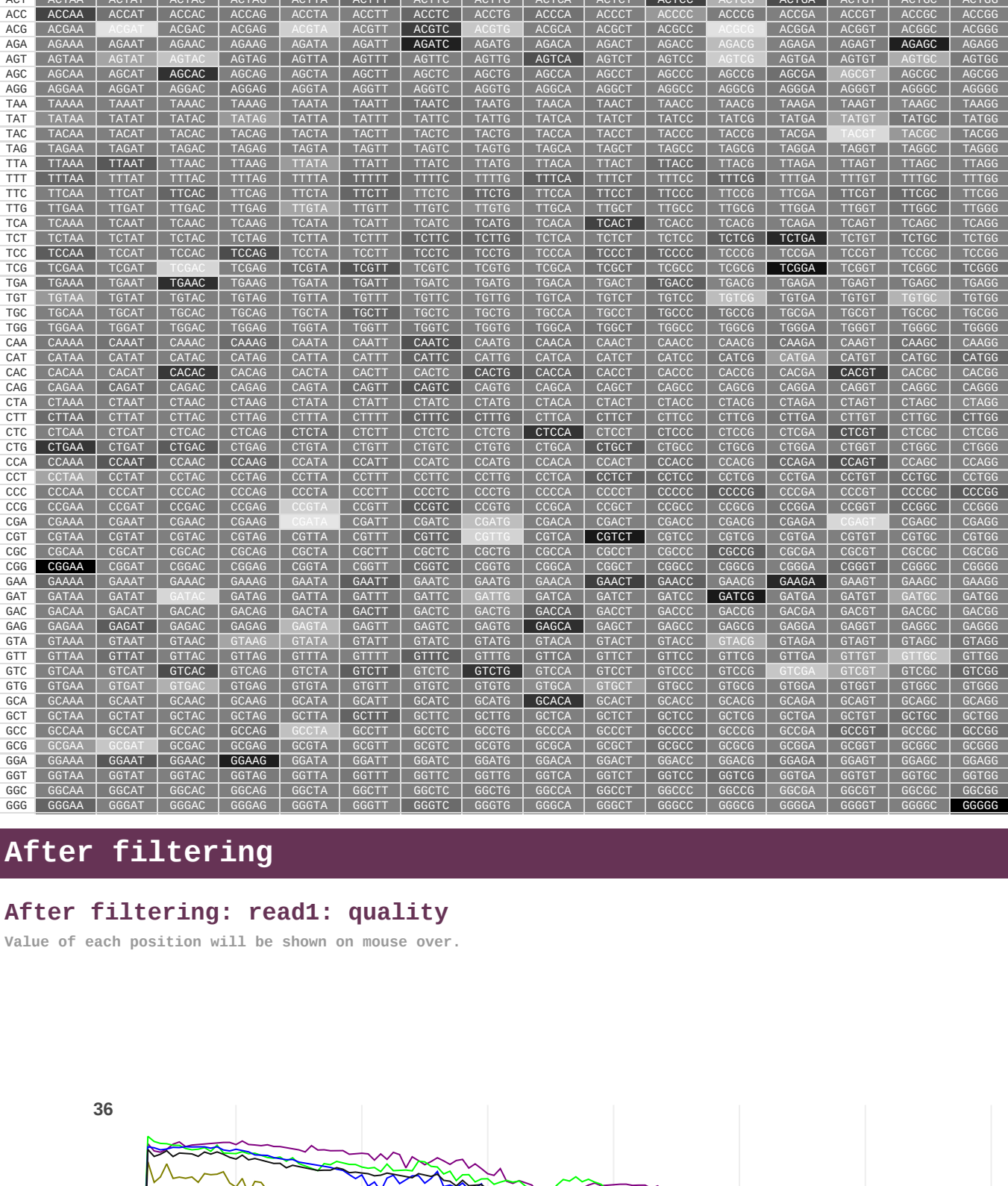
### Before filtering: read1: base contents

Value of each position will be shown on mouse over .



### Before filtering: read1: KMER counting

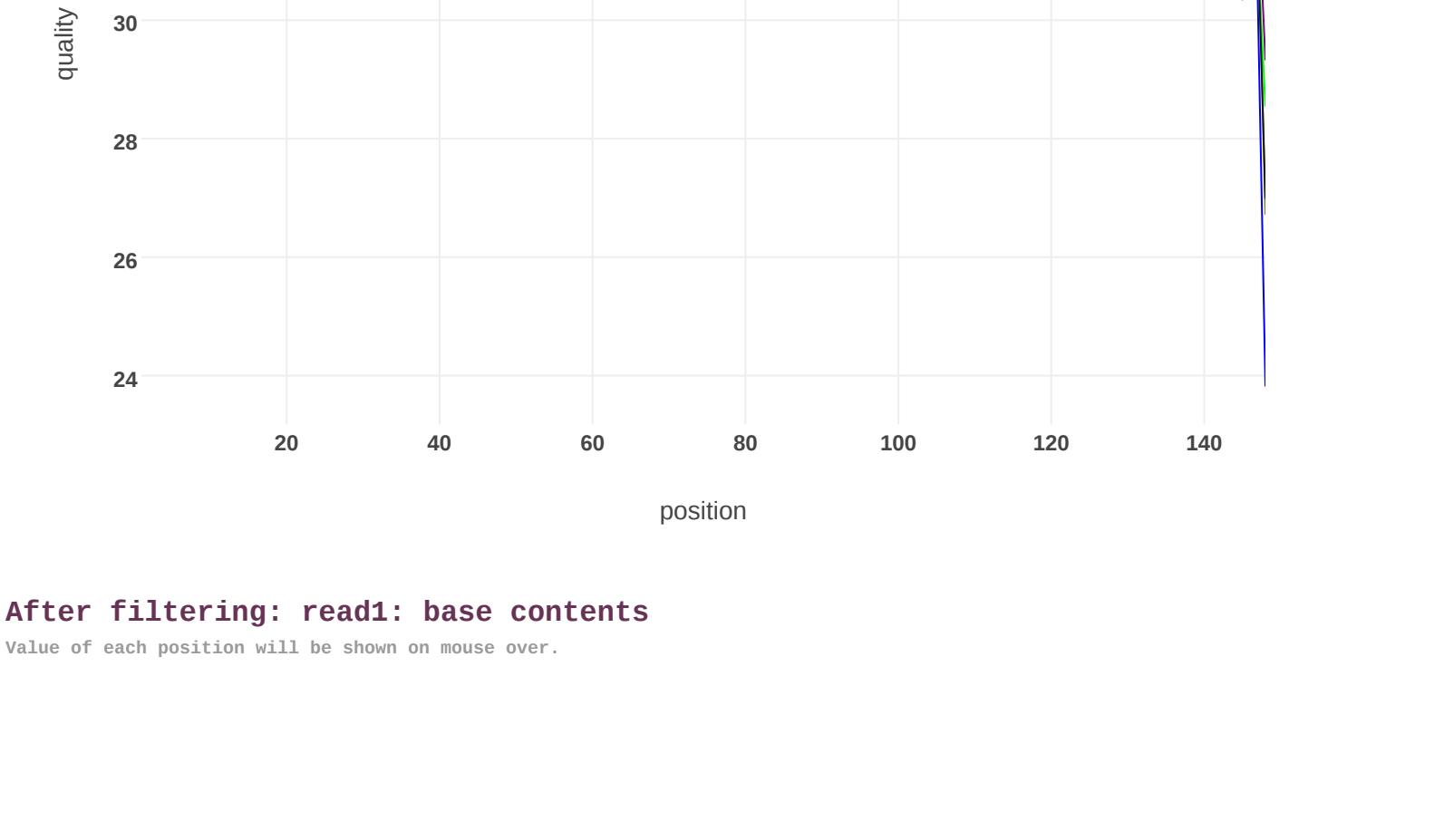
Darker background means larger counts. The count will be shown on mouse over .



## After filtering

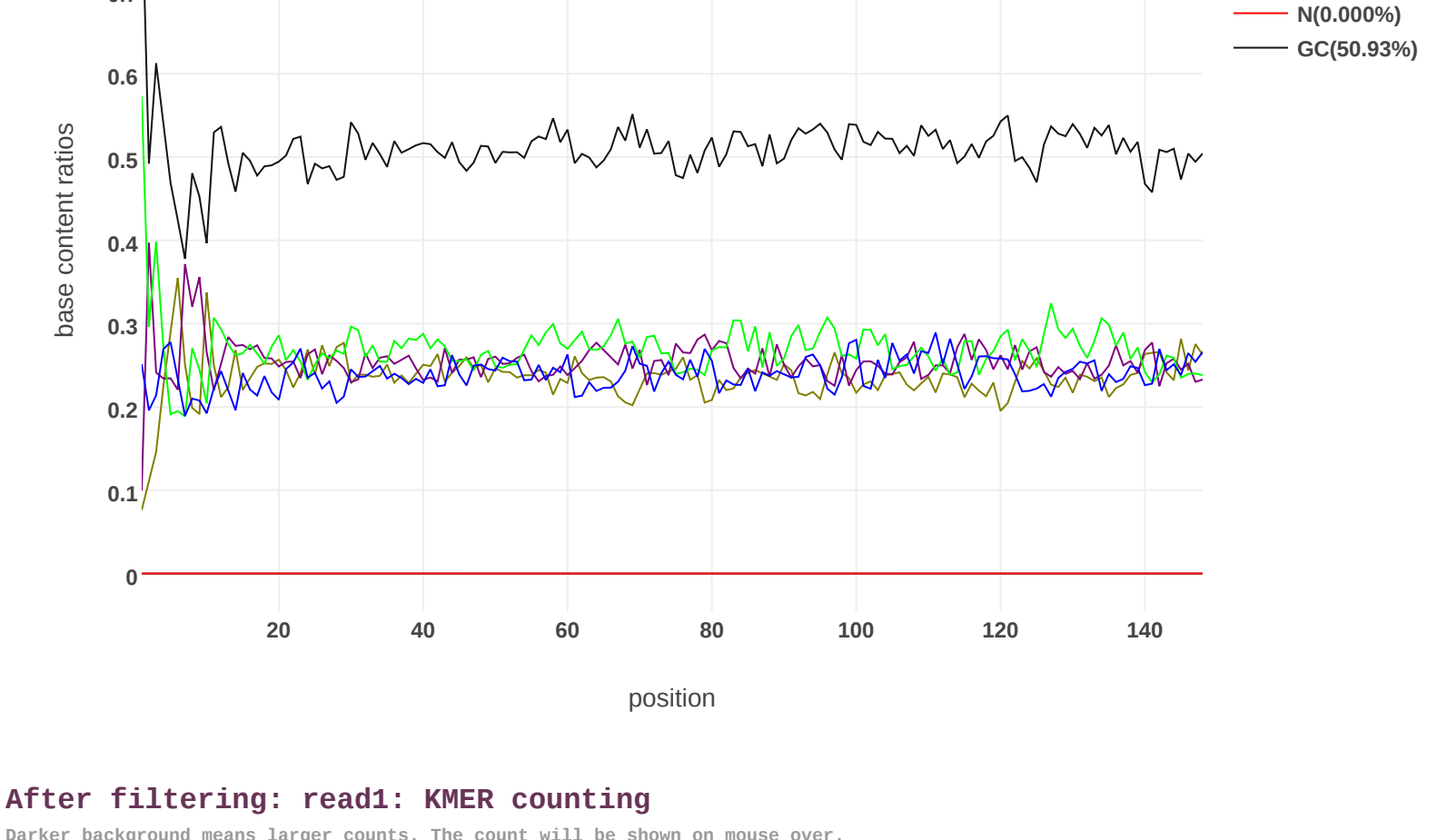
### After filtering: read1: quality

Value of each position will be shown on mouse over .



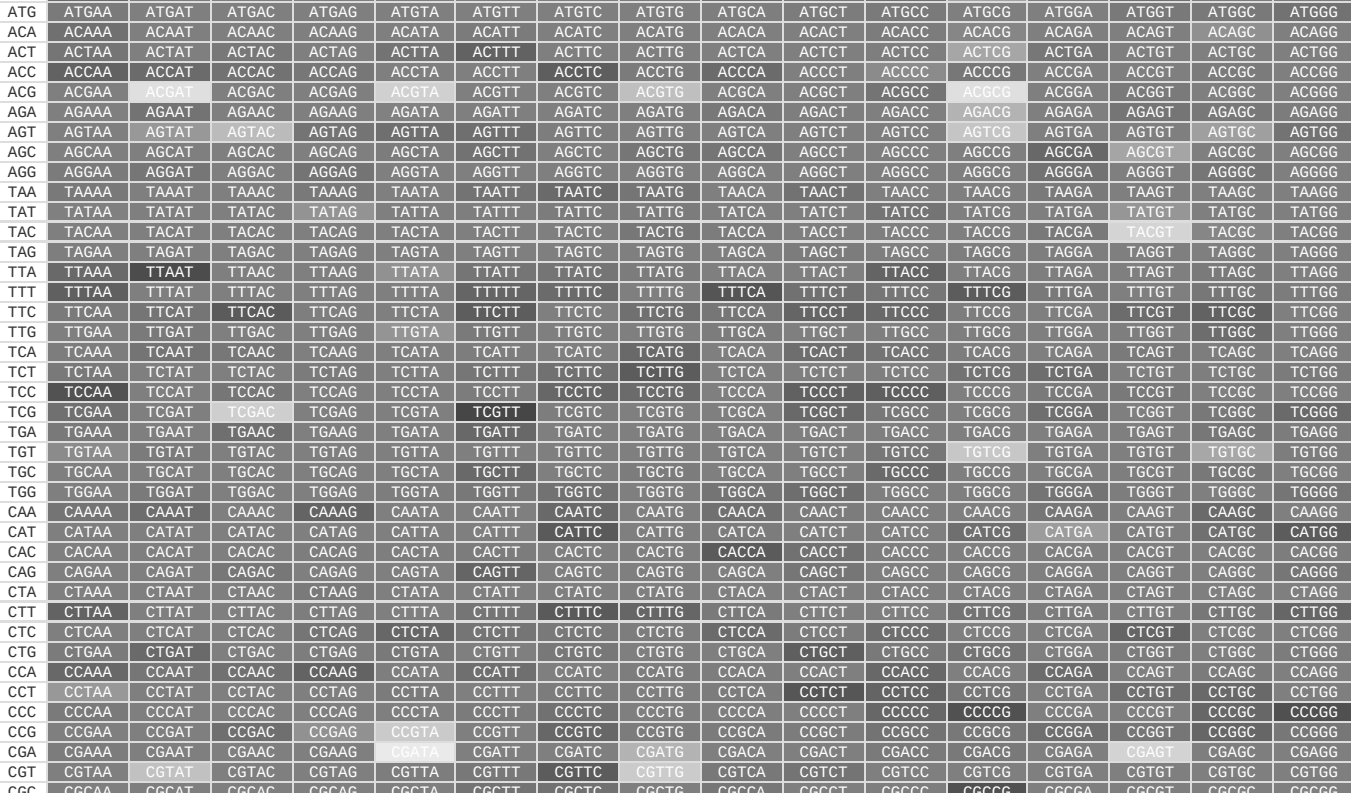
### After filtering: read1: base contents

Value of each position will be shown on mouse over .



### After filtering: read1: KMER counting

Darker background means larger counts. The count will be shown on mouse over .



testcommand

fastp 0.21.0, at 2023-02-20 18:52:40