

Rfastp Report

Summary	
General	
fastp version:	0.21.0 (https://github.com/OpenGene/fastp)
sequencing:	single end (76 cycles)
mean length before filtering:	76bp
mean length after filtering:	70bp
duplication rate:	31.114895% (may be overestimated since this is SE data)
Detected read1 adapter:	AGATCGGAAGGACACACGCTCTGAATCCAGTCA

Before filtering	
total reads:	16.324992 M
total bases:	1.240699 G
Q20 bases:	1.167735 G (94.119059%)
Q30 bases:	1.141835 G (92.031565%)
GC content:	61.465470%

After filtering	
total reads:	15.709643 M
total bases:	1.106473 G
Q20 bases:	1.059826 G (95.784156%)
Q30 bases:	1.040847 G (94.068962%)
GC content:	61.639523%

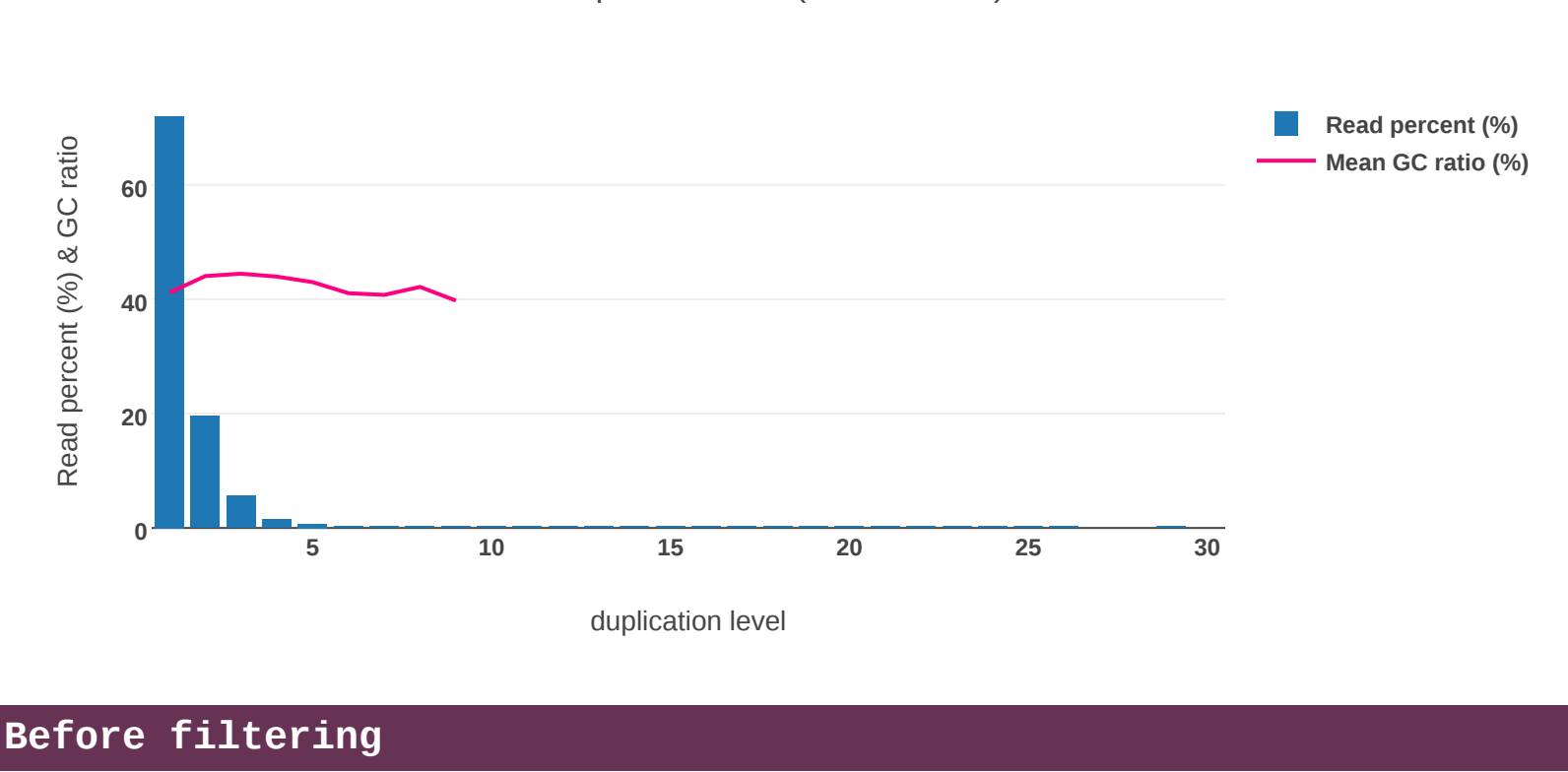
Filtering result	
reads passed filters:	15.709643 M (96.239632%)
reads with low quality:	454.888000 K (2.786452%)
reads with too many N:	471 (0.002885%)
reads too short:	159.990000 K (0.980031%)

Adapters

Adapter or bad ligation of read1

Sequence	Occurrences
AGATC	178997
AGATCG	180665
AGATCGG	183847
AGATCGGA	192670
AGATCGGAA	214375
AGATCGGAAG	191573
AGATCGGAAGA	192968
AGATCGGAAGAG	188612
AGATCGGAAGAGC	170447
AGATCGGAAGAGCA	195993
AGATCGGAAGAGCAC	165937
AGATCGGAAGAGCACA	153268
AGATCGGAAGAGCACAC	179136
AGATCGGAAGAGCACACG	149519
AGATCGGAAGAGCACACGT	147668
AGATCGGAAGAGCACACGTC	145571
AGATCGGAAGAGCACACGCT	117079
AGATCGGAAGAGCACACGCTCT	122029
AGATCGGAAGAGCACACGCTCTGA	106803
AGATCGGAAGAGCACACGCTCTGAA	101520
AGATCGGAAGAGCACACGCTCTGAAC	94607
AGATCGGAAGAGCACACGCTCTGAACCT	84988
AGATCGGAAGAGCACACGCTCTGAACCTC	78837
AGATCGGAAGAGCACACGCTCTGAACCTCC	78952
AGATCGGAAGAGCACACGCTCTGAACCTCCA	71453
AGATCGGAAGAGCACACGCTCTGAACCTCCAG	64641
AGATCGGAAGAGCACACGCTCTGAACCTCCAGT	58932
AGATCGGAAGAGCACACGCTCTGAACCTCCAGTCC	212761
AGATCGGAAGAGCACACGCTCTGAACCTCCAGTCA	51358
AGATCGGAAGAGCACACGCTCTGAACCTCCAGTCAC	50829
other adapter sequences	652247

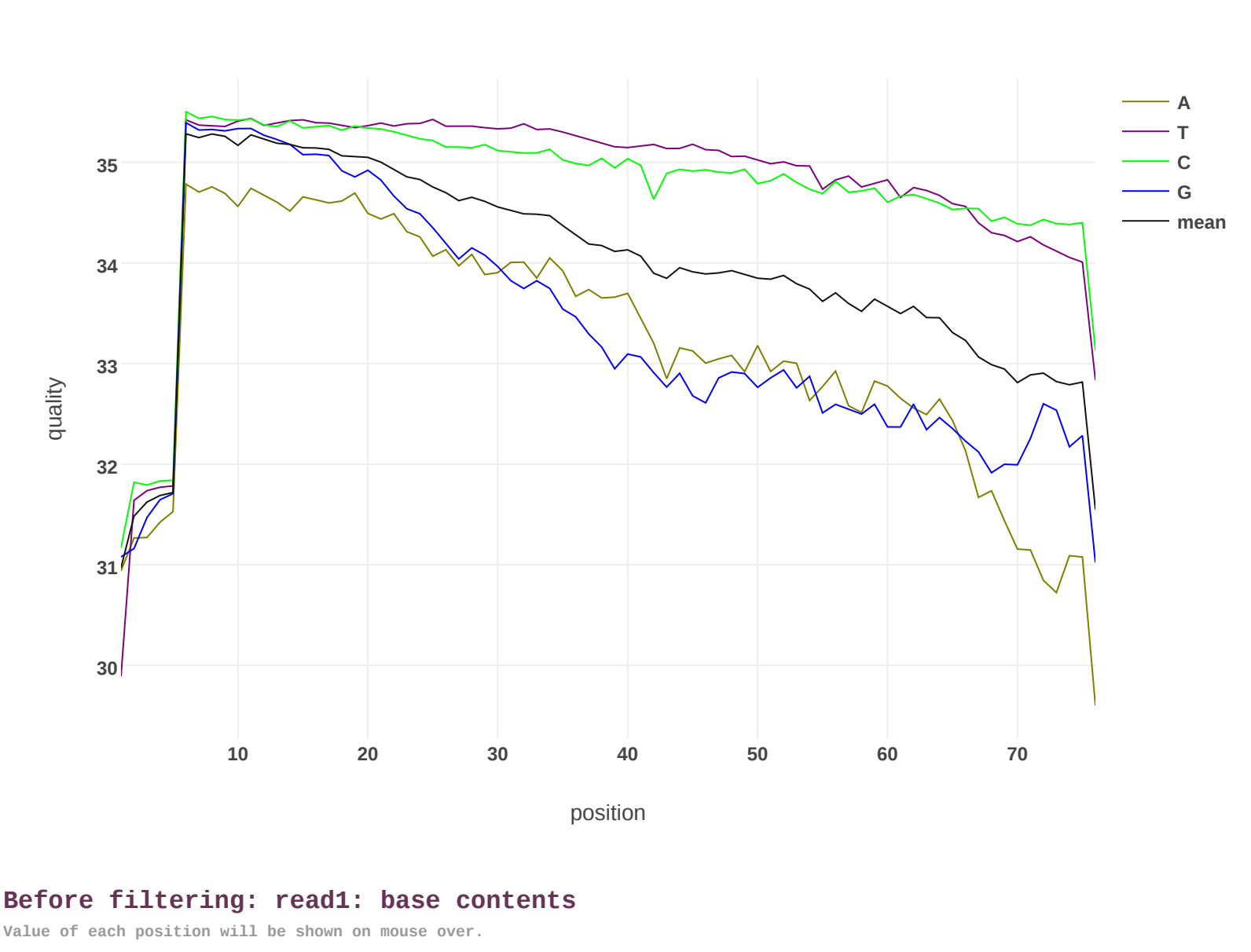
Duplication



Before filtering

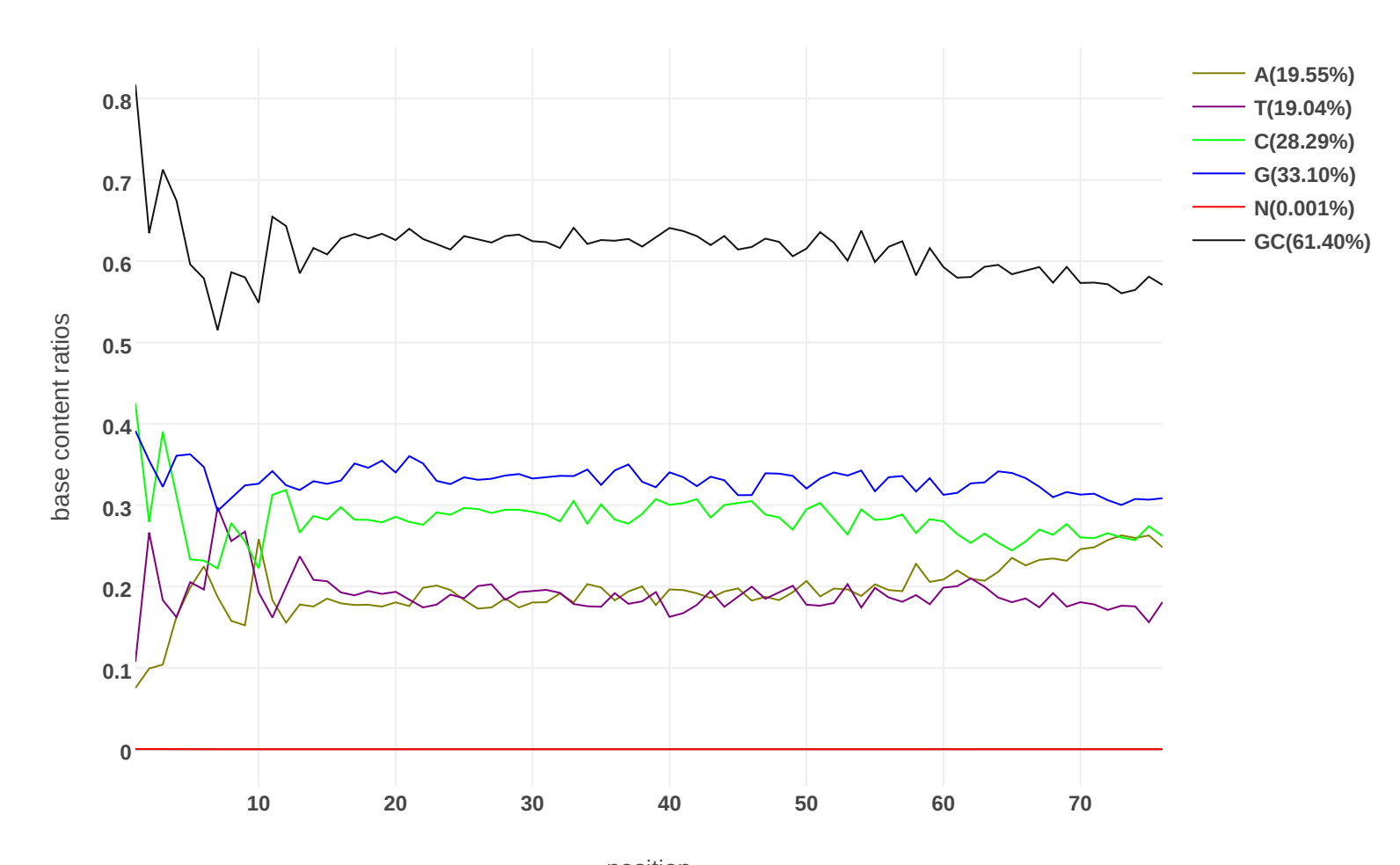
Before filtering: read1: quality

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

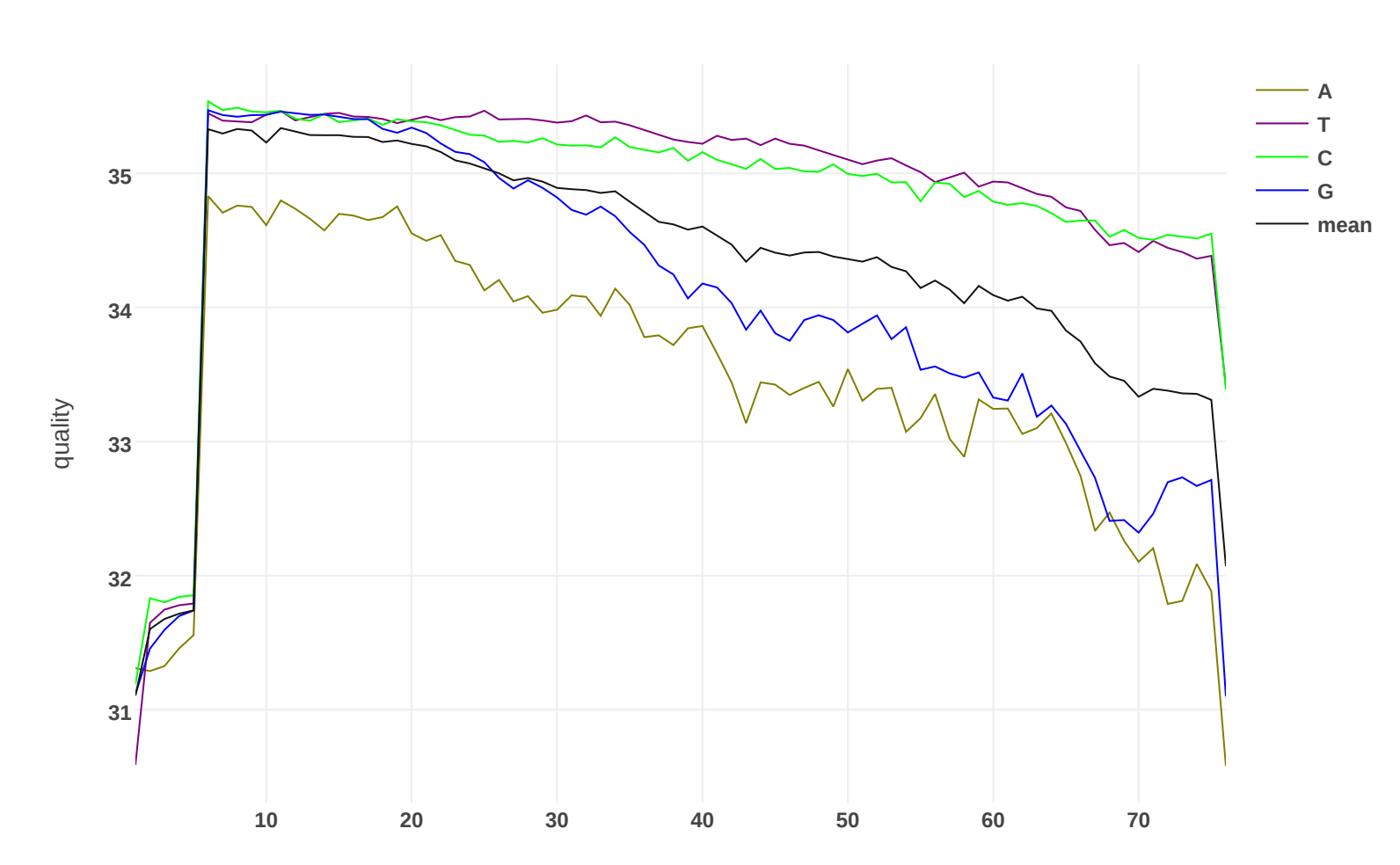
Darker background means larger counts. The count will be shown on mouse over.

	AA	AT	AC	AG	TA	TT	TC	TG	CA	CT	CC	CG	GA	GT	GC	GG
AA	AA	AAAT	AAAC	AAAG	AAATA	AAATT	AAATC	AAATG	AAACA	AAACT	AAACC	AAACG	AAAGA	AAAGT	AAAGC	AAAGG
AT	ATA	ATAA	ATAA	ATAG	ATATA	ATATT	ATATC	ATATG	ATACA	ATACT	ATACC	ATACG	ATAGA	ATAGT	ATAGC	ATAGG
AC	ACA	ACAA	ACAT	ACAG	ACATA	ACATT	ACATC	ACATG	ACACA	ACACT	ACACC	ACACG	ACAGA	ACAGT	ACAGC	ACAGG
AG	AGA	AGAA	AGAT	AGAG	AGATA	AGATT	AGATC	AGATG	AGACA	AGACT	AGACC	AGACG	AGAGA	AGAGT	AGAGC	AGAGG
TA	TAA	TAAA	TAAAT	TAAAC	TAAATA	TAAATT	TAAATC	TAAATG	TAAACA	TAAACT	TAAACC	TAAACG	TAAAGA	TAAAGT	TAAAGC	TAAAGG
TT	TTA	TTAA	TTAT	TTAG	TTATA	TTATT	TTATC	TTATG	TTACA	TTACT	TTACC	TTACG	TTAGA	TTAGT	TTAGC	TTAGG
TC	TCA	TCAA	TCAT	TCAG	TCATA	TCATT	TCATC	TCATG	TCACA	TCACT	TCACC	TCACG	TCAGA	TCAGT	TCAGC	TCAGG
TG	TGA	TGAA	TGAT	TGAG	TGATA	TGATT	TGATC	TGATG	TGACA	TGACT	TGACC	TGACG	TGAGA	TGAGT	TGAGC	TGAGG
CA	CAA	CAAA	CAAAT	CAAAC	CAATA	CAATT	CAATC	CAATG	CAACA	CAACT	CAACC	CAACG	CAAGA	CAAGT	CAAGC	CAAGG
CT	CTA	CTAA	CTAT	CTAG	CTATA	CTATT	CTATC	CTATG	CTACA	CTACT	CTACC	CTACG	CTAGA	CTAGT	CTAGC	CTAGG
CC	CCA	CCAA	CCAT	CCAG	CCATA	CCATT	CCATC	CCATG	CCACA	CCACT	CCACC	CCACG	CCAGA	CCAGT	CCAGC	CCAGG
CG	CGA	CGAA	CGAT	CGAG	CGATA	CGATT	CGATC	CGATG	CGACA	CGACT	CGACC	CGACG	CGAGA	CGAGT	CGAGC	CGAGG
GA	GAA	GAAT	GAAT	GAAG	GAATA	GAATT	GAATC	GAATG	GAACA	GAACT	GAACC	GAACG	GAAGA	GAAGT	GAAGC	GAAGG
GT	GTA	GTAA	GTAT	GTAG	GTATA	GTATT	GTATC	GTATG	GTACA	GTACT	GTACC	GTACG	GTAGA	GTAGT	GTAGC	GTAGG
GC	GCA	GCAA	GCAAT	GCAAC	GCAATA	GCAATT	GCAATC	GCAATG	GCAACA	GCAACT	GCAACC	GCAACG	GCAAGA	GCAAGT	GCAAGC	GCAAGG
GG	GGA	GGAA	GGAT	GGAG	GGATA	GGATT	GGATC	GGATG	GGACA	GGACT	GGACC	GGACG	GGAGA	GGAGT	GGAGC	GGAGG
GA	GAA	GAAT	GAAT	GAAG	GAATA	GAATT	GAATC	GAATG	GAACA	GAACT	GAACC	GAACG	GAAGA	GAAGT	GAAGC	GAAGG
GT	GTA	GTAA	GTAT	GTAG	GTATA	GTATT	GTATC	GTATG	GTACA	GTACT	GTACC	GTACG	GTAGA	GTAGT	GTAGC	GTAGG
GC	GCA	GCAA	GCAAT	GCAAC	GCAATA	GCAATT	GCAATC	GCAATG	GCAACA	GCAACT	GCAACC	GCAACG	GCAAGA	GCAAGT	GCAAGC	GCAAGG
GG	GGA	GGAA	GGAT	GGAG	GGATA	GGATT	GGATC	GGATG	GGACA	GGACT	GGACC	GGACG	GGAGA	GGAGT	GGAGC	GGAGG
GA	GAA	GAAT	GAAT	GAAG	GAATA	GAATT	GAATC	GAATG	GAACA	GAACT	GAACC	GAACG	GAAGA	GAAGT	GAAGC	GAAGG
GT	GTA	GTAA	GTAT	GTAG	GTATA	GTATT	GTATC	GTATG	GTACA	GTACT	GTACC	GTACG	GTAGA	GTAGT	GTAGC	GTAGG
GC	GCA	GCAA	GCAAT	GCAAC	GCAATA	GCAATT	GCAATC	GCAATG	GCAACA	GCAACT	GCAACC	GCAACG	GCAAGA	GCAAGT	GCAAGC	GCAAGG
GG	GGA	GGAA	GGAT	GGAG	GGATA	GGATT	GGATC	GGATG	GGACA	GGACT	GGACC	GGACG	GGAGA	GGAGT	GGAGC	GGAGG
GA	GAA	GAAT	GAAT	GAAG	GAATA	GAATT	GAATC	GAATG	GAACA	GAACT	GAACC	GAACG	GAAGA	GAAGT	GAAGC	GAAGG
GT	GTA	GTAA	GTAT	GTAG	GTATA	GTATT	GTATC	GTATG	GTACA	GTACT	GTACC	GTACG	GTAGA	GTAGT	GTAGC	GTAGG
GC	GCA	GCAA	GCAAT	GCAAC	GCAATA	GCAATT	GCAATC	GCAATG	GCAACA	GCAACT	GCAACC	GCAACG	GCAAGA	GCAAGT	GCAAGC	GCAAGG
GG	GGA	GGAA	GGAT	GGAG	GGATA	GGATT	GGATC	GGATG	GGACA	GGACT	GGACC	GGACG	GGAGA	GGAGT	GGAGC	GGAGG
GA	GAA	GAAT	GAAT	GAAG	GAATA	GAATT	GAATC	GAATG	GAACA	GAACT	GAACC	GAACG	GAAGA	GAAGT	GAAGC	GAAGG
GT	GTA	GTAA	GTAT	GTAG	GTATA	GTATT	GTATC	GTATG	GTACA	GTACT	GTACC	GTACG	GTAGA	GTAGT	GTAGC	GTAGG
GC	GCA	GCAA	GCAAT	GCAAC	GCAATA	GCAATT	GCAATC	GCAATG	GCAACA	GCAACT	GCAACC	GCAACG	GCAAGA	GCAAGT	GCAAGC	GCAAGG
GG	GGA	GGAA	GGAT	GGAG	GGATA	GGATT	GGATC	GGATG	GGACA	GGACT	GGACC	GGACG	GGAGA	GGAGT	GGAGC	GGAGG
GA	GAA	GAAT	GAAT	GAAG	GAATA	GAATT	GAATC	GAATG	GAACA	GAACT	GAACC	GAACG	GAAGA	GAAGT	GAAGC	GAAGG
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GC	GCA	GCAA	GCAAT	GCAAC	GCAATA	GCAATT	GCAATC	GCAATG	GCAACA	GCAACT	GCAACC	GCAACG	GCAAGA	GCAAGT	GCAAGC	GCAAGG
GG	GGA	GGAA	GGAT	GGAG	GGATA	GGATT	GGATC	GGATG	GGACA	GGACT	GGACC	GGACG	GGAGA	GGAGT	GGAGC	GGAGG

After filtering

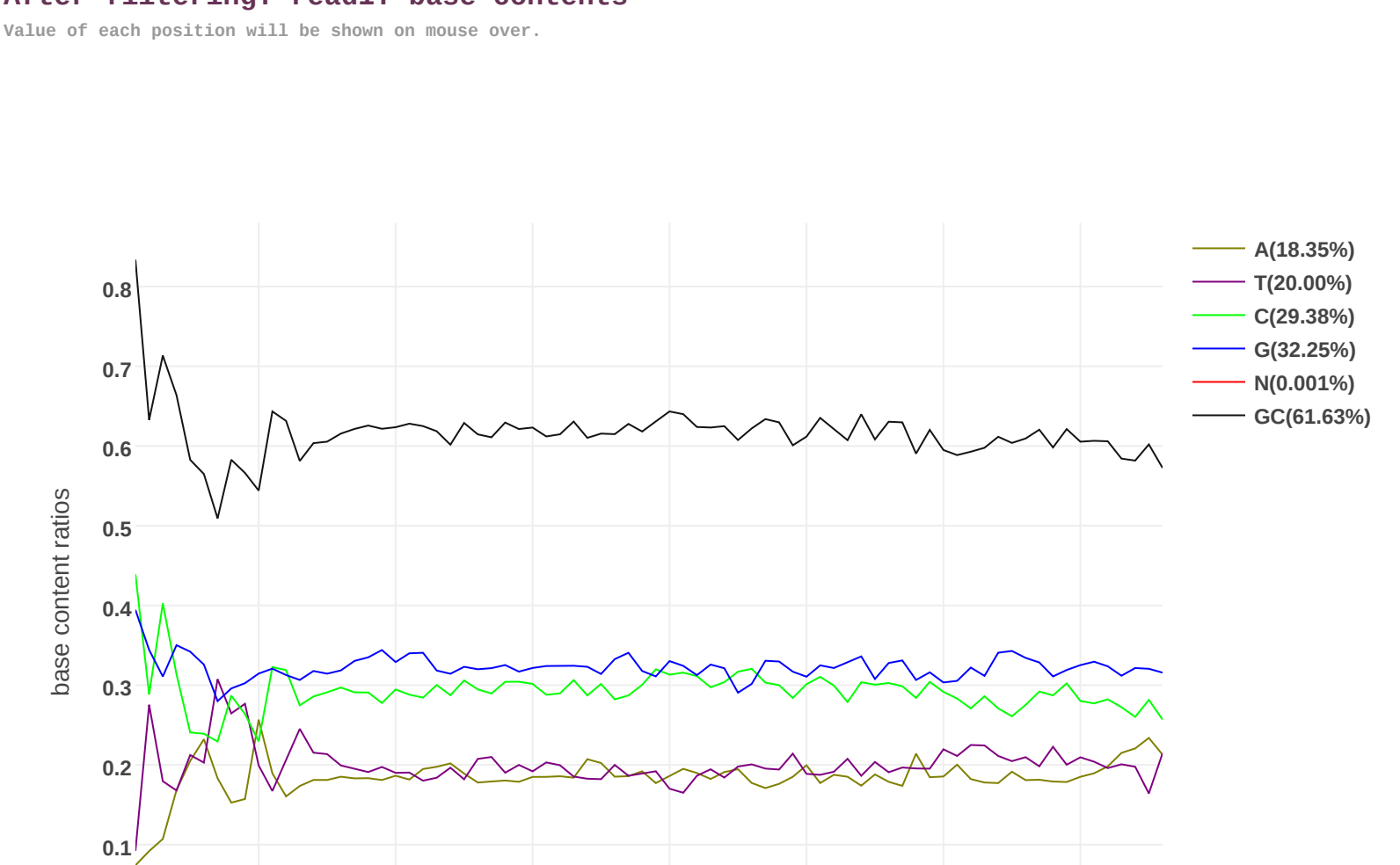
After filtering: read1: quality

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.

	10	20	30	40	50	60	70									
	position															
After filtering: read1: KMER counting																
Darker background means larger counts. The count will be shown on mouse over.																
AA	AT	AC	AG	TA	TT	TC	TG	CA	CT	CC	CG	GA	GT	GC	GG	
AAA	AAAT	AAAT	AAAT	AAAT	AAAT	AAAT	AAAT	AAAT	AAAT	AAAT	AAAT	AAAT	AAAT	AAAT	AAAT	
ATA	ATAA	ATAA	ATAA	ATAA	ATAA	ATAA	ATAA	ATAA	ATAA	ATAA	ATAA	ATAA	ATAA	ATAA	ATAA	
ACA	ACAA	ACAA	ACAA	ACAA	ACAA	ACAA	ACAA	ACAA	ACAA	ACAA	ACAA	ACAA	ACAA	ACAA	ACAA	
AGA	AGAA	AGAA	AGAA	AGAA	AGAA	AGAA	AGAA	AGAA	AGAA	AGAA	AGAA	AGAA	AGAA	AGAA	AGAA	
ATA	ATAT	ATAT	ATAT	ATAT	ATAT	ATAT	ATAT	ATAT	ATAT	ATAT	ATAT	ATAT	ATAT	ATAT	ATAT	
TTA	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	
ATC	ATCA	ATCA	ATCA	ATCA	ATCA	ATCA	ATCA	ATCA	ATCA	ATCA	ATCA	ATCA	ATCA	ATCA	ATCA	
ACA	ACAA	ACAA	ACAA	ACAA	ACAA	ACAA	ACAA	ACAA	ACAA	ACAA	ACAA	ACAA	ACAA	ACAA	ACAA	
AGA	AGAA	AGAA	AGAA	AGAA	AGAA	AGAA	AGAA	AGAA	AGAA	AGAA	AGAA	AGAA	AGAA	AGAA	AGAA	
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