Rfastp	Report

Summary	
General	
fastp version:	0.21.0 (https://github.com/OpenGene/fastp)
sequencing:	single end (148 cycles)
mean length before filtering:	148bp
mean length after filtering:	121bp
duplication rate:	14.361106% (may be overestimated since this is SE data)
Detected read1 adapter:	AGATCGGAAGACCACGTCTGAACTCCAGTCA

Before filtering total reads: 41.128309 M total bases: 6.086990 G Q20 bases: 5.524668 G (90.761908%)

5.222853 G (85.803553%)

57.126367%

Q30 bases:

GC content:

After filtering total reads: 36.080651 M total bases: 4.377634 G Q20 bases: 4.108131 G (93.843626%) Q30 bases: 3.930947 G (89.796145%) GC content: 56.199247%

Filtering result reads passed filters:

36.080651 M (87.727047%) reads with low quality: 2.233788 M (5.431266%) reads with too many N: 7.999000 K (0.019449%) reads too short: 2.805871 M (6.822238%)

## Adapters Adapter or bad ligation of read1

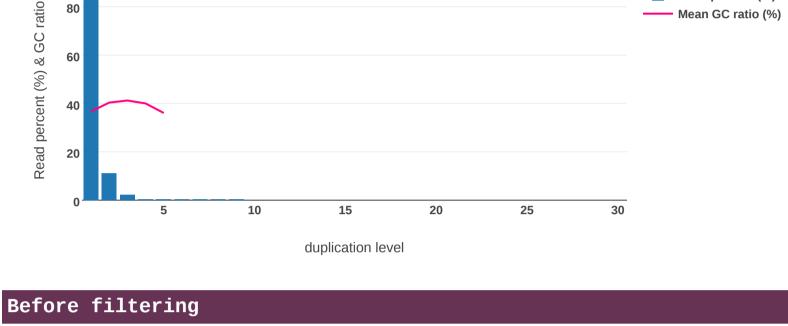
Sequence	Occurrences					
AGATC	271180					
AGATCGGAAGAGC	263471					
AGATCGGAAGAGCAC	264727					
AGATCGGAAGAGCACAC	297301					
AGATCGGAAGAGCACACG	294841					
AGATCGGAAGAGCACACGT	311429					
AGATCGGAAGAGCACACGTC	309484					
AGATCGGAAGAGCACACGTCT	328836					
AGATCGGAAGAGCACACGTCTG	314893					
AGATCGGAAGAGCACACGTCTGA	323661					
AGATCGGAAGAGCACACGTCTGAA	339926					
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AGATCGGAAGAGCACACGTCTGAACTCCAG	344396					
AGATCGGAAGACCACGTCTGAACTCCAGT	348426					
AGATCGGAAGACCACGTCTGAACTCCAGTC	3122011					
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AGATCGGAAGACCACGTCTGAACTCCAGTCACCTTGT	317493					
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AGATCGGAAGAGCACACGTCTGAACTCCAGTCACCTTGTAATCTCGTATG	263739					
AGATCGGAAGAGCACACGTCTGAACTCCAGTCACCTTGTAATCTCGTATGC	267466					

# **Duplication**

other adapter sequences

## 80

 ${\tt AGATCGGAAGAGCACACGTCTGAACTCCAGTCACCTTGTAATCTCGTATGCCG}$ 



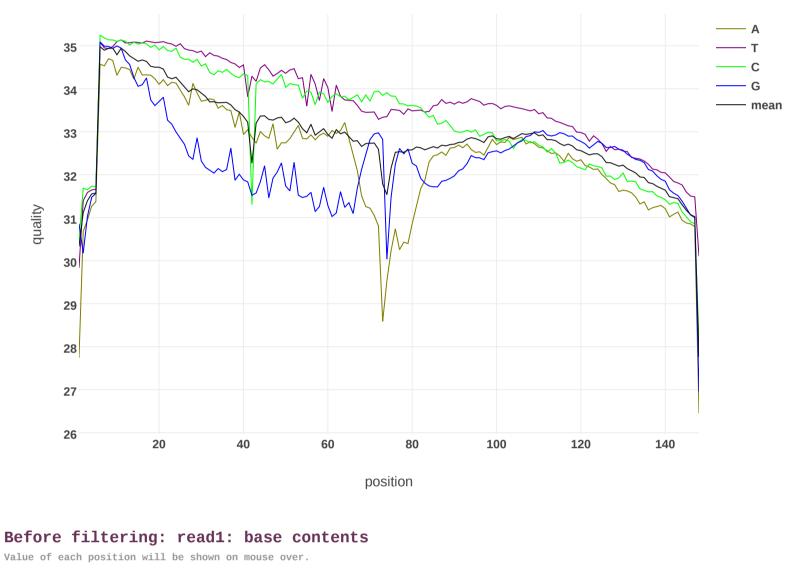
duplication rate (14.361106%)

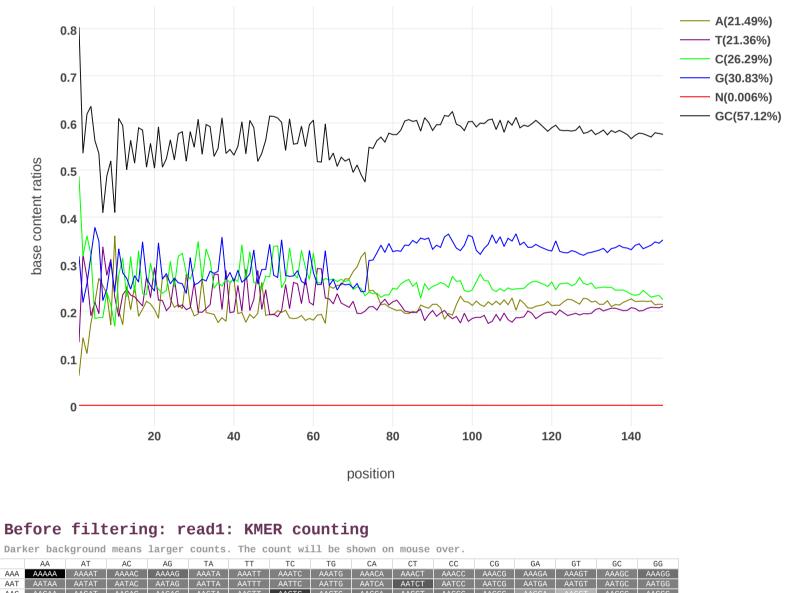
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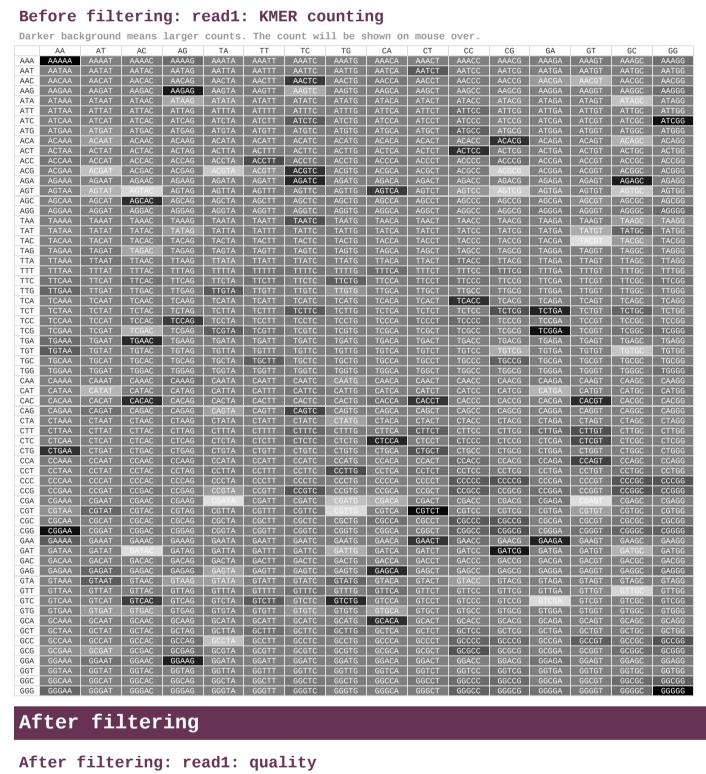
12386283

Read percent (%)

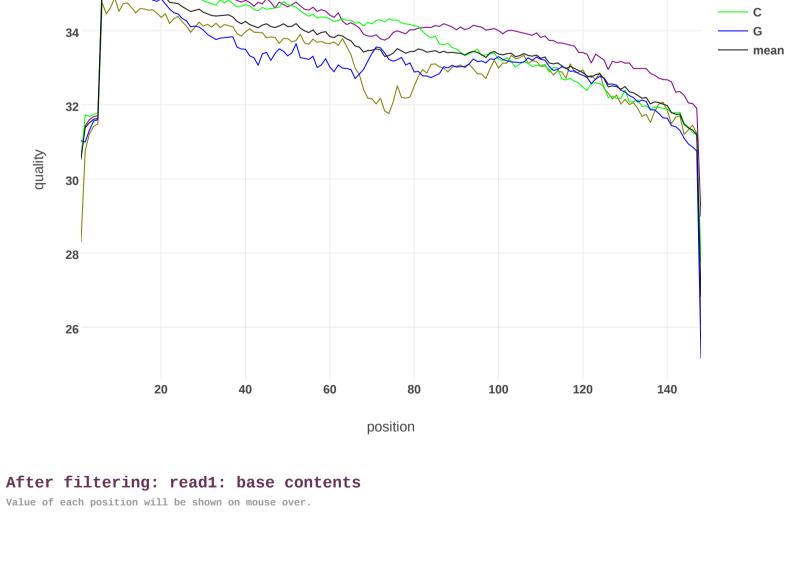
## Before filtering: read1: quality Value of each position will be shown on mouse over.

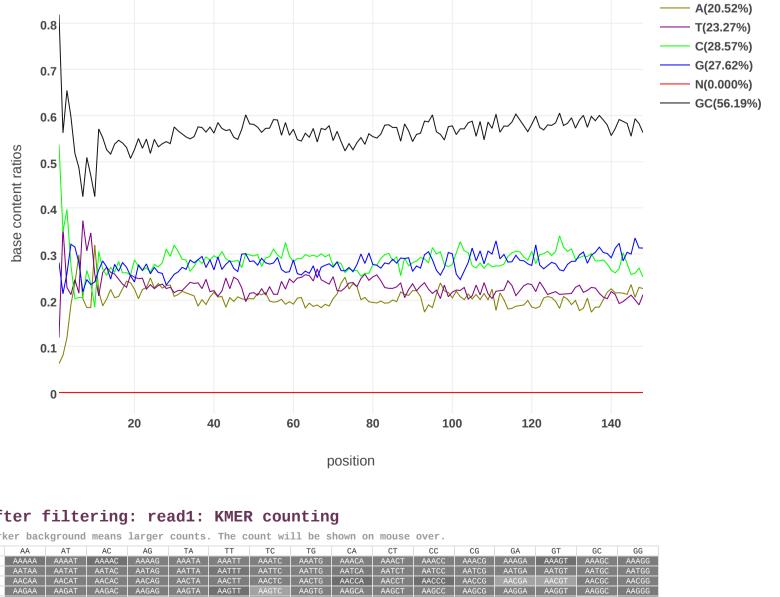






# Value of each position will be shown on mouse over.





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 AT	AAAAA AATAA	AAAAT AATAT	AAAAC AATAC	AAAAG AATAG	AAATA AATTA	AAATT AATTT	AAATC AATTC	AAATG AATTG	AAACA AATCA	AAACT AATCT	AAACC AATCC	AAACG AATCG	AAAGA AATGA	AAAGT AATGT	AAAGC AATGC	AAAGG AATGG
AC	AACAA	AACAT	AACAC	AACAG	AACTA	AACTT	AACTC	AACTG	AACCA	AACCT	AACCC	AACCG	AACGA	AACGT	AACGC	AACGG
AG	AAGAA	AAGAT	AAGAC	AAGAG	AAGTA	AAGTT	AAGTC	AAGTG	AAGCA	AAGCT	AAGCC	AAGCG	AAGGA	AAGGT	AAGGC	AAGGG
TA	ATAAA ATTAA	ATAAT ATTAT	ATAAC ATTAC	ATAAG ATTAG	ATATA ATTTA	ATATT ATTTT	ATATC ATTTC	ATATG ATTTG	ATACA ATTCA	ATACT ATTCT	ATACC ATTCC	ATACG ATTCG	ATAGA ATTGA	ATAGT ATTGT	ATAGC ATTGC	ATAGG ATTGG
TC	ATCAA	ATCAT	ATCAC	ATCAG	ATCTA	ATCTT	ATCTC	ATCTG	ATCCA	ATCCT	ATCCC	ATCCG	ATCGA	ATCGT	ATCGC	ATCGG
TG	ATGAA	ATGAT	ATGAC	ATGAG	ATGTA	ATGTT	ATGTC	ATGTG	ATGCA	ATGCT	ATGCC	ATGCG	ATGGA	ATGGT	ATGGC	ATGGG
CA	ACAAA ACTAA	ACAAT ACTAT	ACAAC ACTAC	ACAAG ACTAG	ACATA ACTTA	ACATT ACTTT	ACATC ACTTC	ACATG ACTTG	ACACA ACTCA	ACACT ACTCT	ACACC ACTCC	ACACG ACTCG	ACAGA ACTGA	ACAGT ACTGT	ACAGC ACTGC	ACAGG ACTGG
CC	ACCAA	ACCAT	ACCAC	ACCAG	ACCTA	ACCTT	ACCTC	ACCTG	ACCCA	ACCCT	ACCCC	ACCCG	ACCGA	ACCGT	ACCGC	ACCGG
CG	ACGAA	ACGAT	ACGAC	ACGAG	ACGTA	ACGTT	ACGTC	ACGTG	ACGCA	ACGCT	ACGCC	ACGCG AGACG	ACGGA	ACGGT	ACGGC	ACGGG AGAGG
AGA AGT	AGAAA AGTAA	AGAAT AGTAT	AGAAC AGTAC	AGAAG AGTAG	AGATA AGTTA	AGATT AGTTT	AGATC AGTTC	AGATG AGTTG	AGACA AGTCA	AGACT AGTCT	AGACC AGTCC	AGTCG	AGAGA AGTGA	AGAGT AGTGT	AGAGC AGTGC	AGAGG
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AGG	AGGAA	AGGAT	AGGAC	AGGAG	AGGTA	AGGTT	AGGTC	AGGTG	AGGCA	AGGCT	AGGCC	AGGCG	AGGGA	AGGGT	AGGGC	AGGGG
AA	TAAAA TATAA	TAAAT TATAT	TAAAC TATAC	TAAAG TATAG	TAATA TATTA	TAATT TATTT	TAATC TATTC	TAATG TATTG	TAACA TATCA	TAACT TATCT	TAACC TATCC	TAACG TATCG	TAAGA TATGA	TAAGT TATGT	TAAGC TATGC	TAAGG TATGG
TAC	TACAA	TACAT	TACAC	TACAG	TACTA	TACTT	TACTC	TACTG	TACCA	TACCT	TACCC	TACCG	TACGA	TACGT	TACGC	TACGG
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ГТС	TTCAA	TTCAT	TTCAC	TTCAG	TTCTA	TTCTT	ТТСТС	TTCTG	TTCCA	ттсст	TTCCC	TTCCG	TTCGA	TTCGT	TTCGC	TTCGG
TTG	TTGAA	TTGAT	TTGAC	TTGAG	TTGTA	TTGTT	TTGTC	TTGTG	TTGCA	TTGCT	TTGCC	TTGCG	TTGGA	TTGGT	TTGGC	TTGGG
CA	TCAAA TCTAA	TCAAT TCTAT	TCAAC TCTAC	TCAAG TCTAG	TCATA TCTTA	TCATT TCTTT	TCATC TCTTC	TCATG TCTTG	TCACA TCTCA	TCACT TCTCT	TCACC TCTCC	TCACG TCTCG	TCAGA TCTGA	TCAGT TCTGT	TCAGC TCTGC	TCAGG TCTGG
CC	TCCAA	TCCAT	TCCAC	TCCAG	TCCTA	TCCTT	TCCTC	TCCTG	TCCCA	TCCCT	тсссс	TCCCG	TCCGA	TCCGT	TCCGC	TCCGG
CG	TCGAA	TCGAT	TCGAC	TCGAG	TCGTA	TCGTT	TCGTC	TCGTG	TCGCA	TCGCT	TCGCC	TCGCG	TCGGA	TCGGT	TCGGC	TCGGG
GA	TGAAA TGTAA	TGAAT TGTAT	TGAAC TGTAC	TGAAG TGTAG	TGATA TGTTA	TGATT TGTTT	TGATC TGTTC	TGATG TGTTG	TGACA TGTCA	TGACT TGTCT	TGACC TGTCC	TGACG	TGAGA TGTGA	TGAGT TGTGT	TGAGC TGTGC	TGAGG TGTGG
ΓGC	TGCAA	TGCAT	TGCAC	TGCAG	TGCTA	TGCTT	TGCTC	TGCTG	TGCCA	TGCCT	TGCCC	TGCCG	TGCGA	TGCGT	TGCGC	TGCGG
rgg	TGGAA	TGGAT	TGGAC	TGGAG	TGGTA	TGGTT	TGGTC	TGGTG	TGGCA	TGGCT	TGGCC	TGGCG	TGGGA	TGGGT	TGGGC	TGGGG
CAA	CAAAA CATAA	CAAAT CATAT	CAAAC CATAC	CAAAG CATAG	CAATA CATTA	CAATT CATTT	CAATC CATTC	CAATG CATTG	CAACA CATCA	CAACT CATCT	CAACC CATCC	CAACG CATCG	CAAGA CATGA	CAAGT CATGT	CAAGC CATGC	CAAGG CATGG
CAC	CACAA	CACAT	CACAC	CACAG	CACTA	CACTT	CACTC	CACTG	CACCA	CACCT	CACCC	CACCG	CACGA	CACGT	CACGC	CACGG
AG	CAGAA	CAGAT	CAGAC	CAGAG	CAGTA	CAGTT	CAGTC	CAGTG	CAGCA	CAGCT	CAGCC	CAGCG	CAGGA	CAGGT	CAGGC	CAGGG
CTA	CTAAA CTTAA	CTAAT CTTAT	CTAAC CTTAC	CTAAG CTTAG	CTATA CTTTA	CTATT CTTTT	CTATC CTTTC	CTATG CTTTG	CTACA CTTCA	CTACT CTTCT	CTACC CTTCC	CTACG CTTCG	CTAGA CTTGA	CTAGT CTTGT	CTAGC CTTGC	CTAGG CTTGG
TC	CTCAA	CTCAT	CTCAC	CTCAG	CTCTA	СТСТТ	СТСТС	CTCTG	CTCCA	СТССТ	СТССС	CTCCG	CTCGA	CTCGT	CTCGC	CTCGG
TG	CTGAA	CTGAT	CTGAC	CTGAG	CTGTA	CTGTT	CTGTC	CTGTG	CTGCA	CTGCT	CTGCC	CTGCG	CTGGA	CTGGT	CTGGC	CTGGG
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CC	CCCAA	CCCAT	CCCAC	CCCAG	CCCTA	CCCTT	CCCTC	CCCTG	CCCCA	CCCCT	ccccc	CCCCG	CCCGA	CCCGT	CCCGC	CCCGG
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GA GT	CGAAA CGTAA	CGAAT CGTAT	CGAAC CGTAC	CGAAG CGTAG	CGATA	CGATT CGTTT	CGATC CGTTC		CGACA CGTCA	CGACT CGTCT	CGACC CGTCC	CGACG CGTCG	CGAGA CGTGA	CGAGT	CGAGC CGTGC	CGAGG CGTGG
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GG	CGGAA	CGGAT	CGGAC	CGGAG	CGGTA	CGGTT	CGGTC	CGGTG	CGGCA	CGGCT	CGGCC	CGGCG	CGGGA	CGGGT	CGGGC	CGGGG
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CG	GCGAA	GCGAT	GCGAC	GCGAG	GCGTA	GCGTT	GCGTC	GCGTG	GCGCA	GCGCT	GCGCC	GCGCG	GCGGA	GCGGT	GCGGC	GCGGG
iGA iGT	GGAAA GGTAA	GGAAT GGTAT	GGAAC GGTAC	GGAAG GGTAG	GGATA GGTTA	GGATT GGTTT	GGATC GGTTC	GGATG GGTTG	GGACA GGTCA	GGACT GGTCT	GGACC GGTCC	GGACG GGTCG	GGAGA GGTGA	GGAGT GGTGT	GGAGC GGTGC	GGAGG GGTGG
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