Rfastp Report

Summary								
General								
fastp version:	0.21.0 (https://github.com/OpenGene/fastp)							
sequencing:	single end (126 cycles)							
mean length before filtering:	126bp							
mean length after filtering:	102bp							
duplication rate:	37.849752% (may be overestimated since this is SE data)							
Detected read1 adapter:	AGATCGGAAGAGCACACGTCTGAACTCCAGTCA							

Before filtering

total reads: 34.921201 M total bases:

After filtering

4.400071 G Q20 bases: 4.237703 G (96.309872%) Q30 bases: 4.029685 G (91.582269%) GC content: 65.865252%

Q30 bases: GC content:

total reads: 34.547425 M total bases: 3.526023 G Q20 bases: 3.435119 G (97.421888%) 3.285569 G (93.180566%) 70.682598%

Filtering result reads passed filters: 34.547425 M (98.929659%) reads with low quality: 205.309000 K (0.587921%) reads with too many N: 13.066000 K (0.037416%) reads too short: 155.401000 K (0.445005%)

Adapters

Adapter or bad ligation of read1

Sequence	Occurrences
AGATC	204146
AGATCG	216865
AGATCGG	232133
AGATCGGA	199154
AGATCGGAAGAGCAC	208457
AGATCGGAAGAGCACA	200843
AGATCGGAAGAGCACAC	182949
AGATCGGAAGAGCACACG	195980
AGATCGGAAGAGCACACGT	223296
AGATCGGAAGAGCACACGTC	191386
AGATCGGAAGAGCACACGTCT	208209
AGATCGGAAGAGCACACGTCTG	224775
AGATCGGAAGAGCACACGTCTGA	226399
AGATCGGAAGAGCACACGTCTGAA	213123
AGATCGGAAGAGCACACGTCTGAAC	226942
AGATCGGAAGAGCACACGTCTGAACT	257921
AGATCGGAAGAGCACACGTCTGAACTC	401244
AGATCGGAAGAGCACACGTCTGAACTCC	321737
AGATCGGAAGAGCACACGTCTGAACTCCA	245118
AGATCGGAAGAGCACACGTCTGAACTCCAG	245513
AGATCGGAAGAGCACACGTCTGAACTCCAGT	229336
AGATCGGAAGAGCACACGTCTGAACTCCAGTC	261997
AGATCGGAAGAGCACACGTCTGAACTCCAGTCA	294190
AGATCGGAAGAGCACACGTCTGAACTCCAGTCAC	202331
AGATCGGAAGAGCACACGTCTGAACTCCAGTCACAT	219379
AGATCGGAAGAGCACACGTCTGAACTCCAGTCACATTA	193009
AGATCGGAAGAGCACACGTCTGAACTCCAGTCACATTACTCGA	209051
AGATCGGAAGAGCACACGTCTGAACTCCAGTCACATTACTCGAT	213184
AGATCGGAAGAGCACACGTCTGAACTCCAGTCACATTACTCGATCTCGTATGCCGTCT	176466

other adapter sequences

Duplication

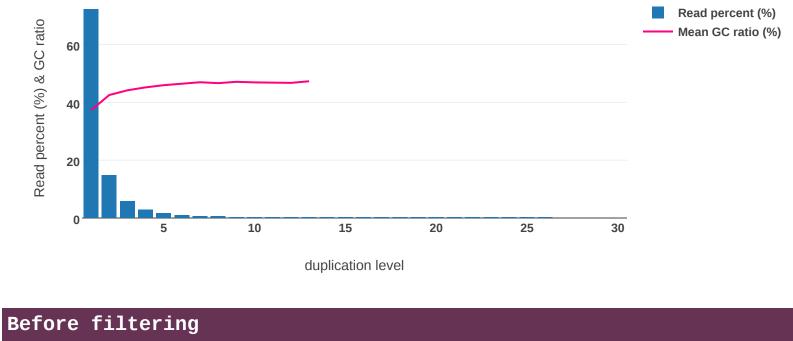
 ${\tt AGATCGGAAGAGCACACGTCTGAACTCCAGTCACATTACTCGATCTCGTATGCCGTCTT}$

AGATCGGAAGAGCACACGTCTGAACTCCAGTCACATTACTCGATCTCGTATGCCGTCTTCT

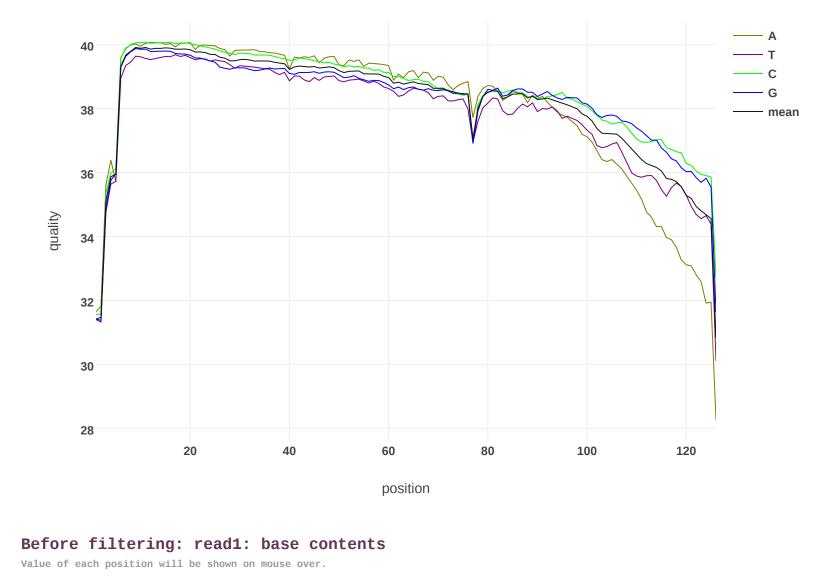
duplication rate (37.849752%)

191272

197221 10606929



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

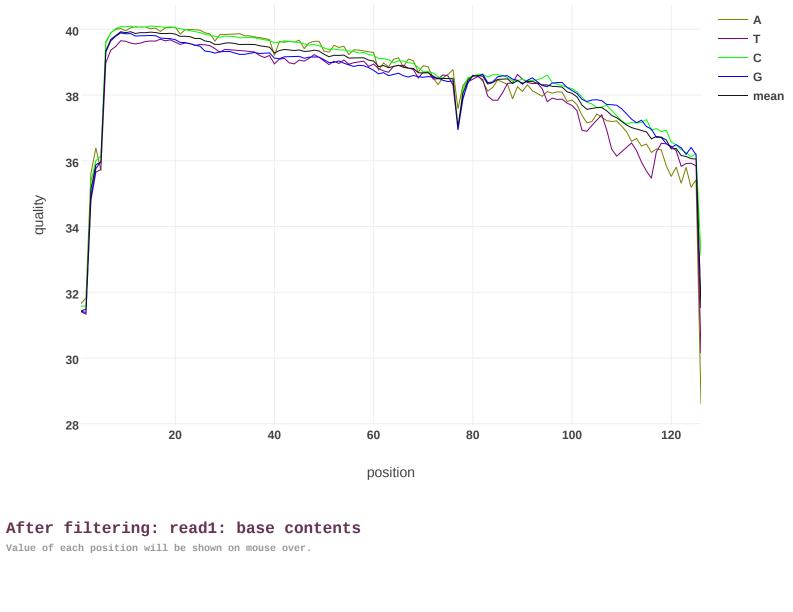




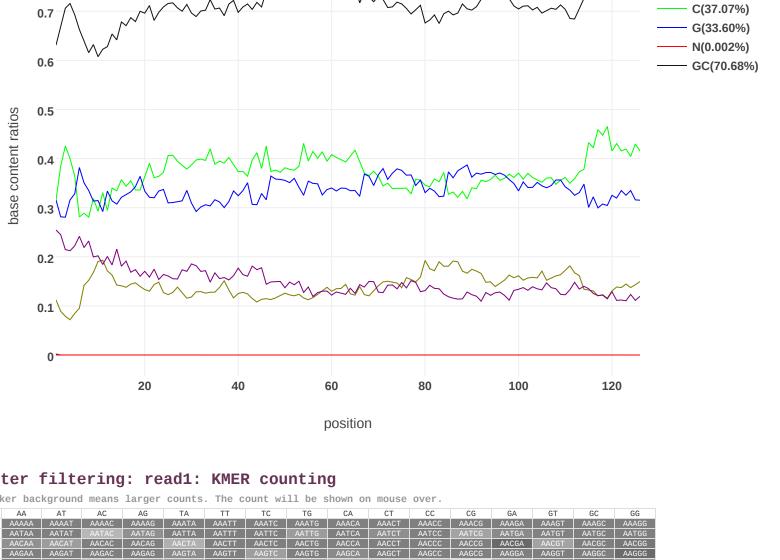
Darker background means larger counts. The count will be shown on mouse over.

AND AT AC 8 97 TO TO TO CO. ACT TO TO TO CO. ACT TO C 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.



0.8



A(13.91%) T(15.40%)

After filtering: read1: KMER counting Darker background means larger counts. The count will be shown on mouse over.																
arı	ker bac	AT	AC	AG	TA	. TT	TC TC	TG S	CA CA	1 mouse	cc cc	CG	GA	GT	GC	GG
AAA	AAAAA	AAAAT	AAAAC	AAAAG	AAATA	AAATT	AAATC	AAATG	AAACA	AAACT	AAACC	AAACG	AAAGA	AAAGT	AAAGC	AAAGG
AΑΤ	AATAA	AATAT	AATAC	AATAG	AATTA	AATTT	AATTC	AATTG	AATCA	AATCT	AATCC	AATCG	AATGA	AATGT	AATGC	AATGG
AAC	AACAA AAGAA	AACAT AAGAT	AACAC AAGAC	AACAG AAGAG	AACTA AAGTA	AACTT AAGTT	AACTC AAGTC	AACTG AAGTG	AACCA AAGCA	AACCT AAGCT	AACCC AAGCC	AACCG AAGCG	AACGA AAGGA	AACGT AAGGT	AACGC AAGGC	AACGG AAGGG
AAG ATA	ATAAA	ATAAT	ATAAC	ATAAG	ATATA	ATATT	ATATC	ATATG	ATACA	ATACT	ATACC	ATACG	ATAGA	ATAGT	ATAGC	ATAGG
TT	ATTAA	ATTAT	ATTAC	ATTAG	ATTTA	ATTTT	ATTTC	ATTTG	ATTCA	ATTCT	ATTCC	ATTCG	ATTGA	ATTGT	ATTGC	ATTGG
TC	ATCAA	ATCAT	ATCAC	ATCAG		ATCTT	ATCTC	ATCTG	ATCCA	ATCCT	ATCCC	ATCCG	ATCGA	ATCGT	ATCGC	ATCGG
ATG ACA	ATGAA ACAAA	ATGAT ACAAT	ATGAC ACAAC	ATGAG ACAAG	ATGTA ACATA	ATGTT ACATT	ATGTC ACATC	ATGTG ACATG	ATGCA ACACA	ATGCT ACACT	ATGCC ACACC	ATGCG ACACG	ATGGA ACAGA	ATGGT ACAGT	ATGGC ACAGC	ATGGG ACAGG
ACT	ACTAA	ACTAT	ACTAC	ACTAG	ACTTA	ACTTT	ACTTC	ACTTG	ACTCA	ACTCT	ACTCC	ACTCG	ACTGA	ACTGT	ACTGC	ACTGG
ACC	ACCAA	ACCAT	ACCAC	ACCAG	ACCTA	ACCTT	ACCTC	ACCTG	ACCCA	ACCCT	ACCCC	ACCCG	ACCGA	ACCGT	ACCGC	ACCGG
ACG AGA	ACGAA AGAAA	ACGAT AGAAT	ACGAC AGAAC	ACGAG AGAAG	ACGTA AGATA	ACGTT AGATT	ACGTC AGATC	ACGTG AGATG	ACGCA AGACA	ACGCT AGACT	ACGCC AGACC	ACGCG AGACG	ACGGA AGAGA	ACGGT AGAGT	ACGGC AGAGC	ACGGG AGAGG
AGT	AGTAA	AGTAT	AGTAC	AGTAG	AGTTA	AGTTT	AGTTC	AGTTG	AGTCA	AGTCT	AGTCC	AGTCG	AGTGA	AGTGT	AGTGC	AGTGG
AGC	AGCAA	AGCAT	AGCAC	AGCAG	AGCTA	AGCTT	AGCTC	AGCTG	AGCCA	AGCCT	AGCCC	AGCCG	AGCGA	AGCGT	AGCGC	AGCGG
AGG FAA	AGGAA TAAAA	AGGAT TAAAT	AGGAC TAAAC	AGGAG TAAAG	AGGTA TAATA	AGGTT TAATT	AGGTC TAATC	AGGTG TAATG	AGGCA TAACA	AGGCT TAACT	AGGCC TAACC	AGGCG TAACG	AGGGA TAAGA	AGGGT TAAGT	AGGGC TAAGC	AGGGG TAAGG
ΓAT	TATAA	TATAT	TATAC	TATAG	TATTA	TATTT	TATTC	TATTG	TATCA	TATCT	TATCC	TATCG	TATGA	TATGT	TATGC	TATGG
ГАС	TACAA	TACAT	TACAC	TACAG	TACTA	TACTT	TACTC	TACTG	TACCA	TACCT	TACCC	TACCG	TACGA	TACGT	TACGC	TACGG
ΓAG	TAGAA	TAGAT	TAGAC	TAGAG	TAGTA	TAGTT	TAGTC	TAGTG	TAGCA	TAGCT	TAGCC	TAGCG	TAGGA	TAGGT	TAGGC	TAGGG
ГТА ГТТ	TTAAA TTTAA	TTAAT TTTAT	TTAAC TTTAC	TTAAG TTTAG	TTATA TTTTA	TTATT TTTTT	TTATC TTTTC	TTATG TTTTG	TTACA TTTCA	TTACT TTTCT	TTACC	TTACG TTTCG	TTAGA TTTGA	TTAGT TTTGT	TTAGC TTTGC	TTAGG TTTGG
гтс	TTCAA	TTCAT	TTCAC	TTCAG	TTCTA	TTCTT	TTCTC	TTCTG	TTCCA	TTCCT	TTCCC	TTCCG	TTCGA	TTCGT	TTCGC	TTCGG
ΓTG	TTGAA	TTGAT	TTGAC	TTGAG	TTGTA	TTGTT	TTGTC	TTGTG	TTGCA	TTGCT	TTGCC	TTGCG	TTGGA	TTGGT	TTGGC	TTGGG
ГСА ГСТ	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
ГСС	TCCAA	TCCAT	TCCAC	TCCAG	TCCTA	TCCTT	TCCTC	TCCTG	TCCCA	TCCCT	TCCCC	TCCCG	TCCGA	TCCGT	TCCGC	TCCGG
ГСG	TCGAA	TCGAT	TCGAC	TCGAG	TCGTA	TCGTT	TCGTC	TCGTG	TCGCA	TCGCT	TCGCC	TCGCG	TCGGA	TCGGT	TCGGC	TCGGG
ΓGA	TGAAA TGTAA	TGAAT TGTAT	TGAAC TGTAC	TGAAG TGTAG	TGATA TGTTA	TGATT TGTTT	TGATC TGTTC	TGATG TGTTG	TGACA TGTCA	TGACT TGTCT	TGACC TGTCC	TGACG TGTCG	TGAGA TGTGA	TGAGT TGTGT	TGAGC TGTGC	TGAGG TGTGG
TGT TGC	TGCAA	TGCAT	TGTAC	TGCAG	TGCTA	TGCTT	TGCTC	TGCTG	TGCCA	TGCCT	TGCCC	TGCCG	TGCGA	TGCGT	TGCGC	TGCGG
ΓGG	TGGAA	TGGAT	TGGAC	TGGAG	TGGTA	TGGTT	TGGTC	TGGTG	TGGCA	TGGCT	TGGCC	TGGCG	TGGGA	TGGGT	TGGGC	TGGGG
CAA	CAAAA	CAAAT	CAAAC	CAAAG	CAATA	CAATT	CAATC	CAATG	CAACA	CAACT	CAACC	CAACG	CAAGA	CAAGT	CAAGC	CAAGG
CAC	CATAA CACAA	CATAT CACAT	CATAC CACAC	CATAG CACAG	CATTA CACTA	CATTT CACTT	CATTC CACTC	CATTG CACTG	CATCA CACCA	CATCT CACCT	CATCC	CATCG CACCG	CATGA CACGA	CATGT CACGT	CATGC CACGC	CATGG CACGG
CAG	CAGAA	CAGAT	CAGAC	CAGAG	CAGTA	CAGTT	CAGTC	CAGTG	CAGCA	CAGCT	CAGCC	CAGCG	CAGGA	CAGGT	CAGGC	CAGGG
CTA	CTAAA	CTAAT	CTAAC	CTAAG	CTATA	CTATT	CTATC	CTATG	CTACA	CTACT	CTACC	CTACG	CTAGA	CTAGT	CTAGC	CTAGG
CTT	CTTAA CTCAA	CTTAT CTCAT	CTTAC CTCAC	CTTAG CTCAG	CTTTA CTCTA	CTTTT	CTTTC	CTTTG CTCTG	CTTCA CTCCA	CTTCT CTCCT	CTTCC	CTTCG CTCCG	CTTGA CTCGA	CTTGT CTCGT	CTTGC	CTTGG CTCGG
CTG	CTGAA	CTGAT	CTGAC	CTGAG	CTGTA	CTGTT	CTGTC	CTGTG	CTGCA	CTGCT	CTGCC	CTGCG	CTGGA	CTGGT	CTGGC	CTGGG
CCA	CCAAA	CCAAT	CCAAC	CCAAG	CCATA	CCATT	CCATC	CCATG	CCACA	CCACT	CCACC	CCACG	CCAGA	CCAGT	CCAGC	CCAGG
CCC	CCTAA CCCAA	CCTAT	CCTAC CCCAC	CCTAG CCCAG	CCTTA CCCTA	CCTTT	CCCTC	CCTTG CCCTG	CCTCA	CCCCT	CCCCC	CCTCG	CCTGA CCCGA	CCTGT	CCCGC	CCTGG CCCGG
CCG	CCGAA	CCGAT	CCGAC	CCGAG	CCGTA	CCGTT	CCGTC	CCGTG	CCGCA	CCGCT	CCGCC	CCGCG	CCGGA	CCGGT	CCGGC	CCGGG
CGA	CGAAA	CGAAT	CGAAC	CGAAG		CGATT	CGATC	CGATG	CGACA	CGACT	CGACC	CGACG	CGAGA	CGAGT	CGAGC	CGAGG
CGT	CGCAA	CGTAT CGCAT	CGTAC CGCAC	CGTAG CGCAG	CGTTA	CGTTT CGCTT	CGTTC	CGTTG CGCTG	CGTCA CGCCA	CGTCT CGCCT	CGCCC	CGTCG CGCCG	CGTGA CGCGA	CGTGT CGCGT	CGTGC	CGTGG CGCGG
CGC CGG	CGCAA CGGAA	CGCAT	CGCAC	CGCAG	CGCTA CGGTA	CGCTT	CGGTC	CGGTG	CGCCA	CGCCT	CGGCC	CGCCG	CGCGA	CGCGT	CGCGC	CGGGG
GAA	GAAAA	GAAAT	GAAAC	GAAAG	GAATA	GAATT	GAATC	GAATG	GAACA	GAACT	GAACC	GAACG	GAAGA	GAAGT	GAAGC	GAAGG
GAT	GATAA	GATAT	GATAC	GATAG	GATTA	GATTT	GATTC	GATTG	GATCA	GATCT	GATCC	GATCG	GATGA	GATGT	GATGC	GATGG
SAC SAG	GACAA GAGAA	GACAT GAGAT	GACAC GAGAC	GACAG GAGAG	GACTA GAGTA	GACTT GAGTT	GACTC GAGTC	GACTG GAGTG	GACCA GAGCA	GACCT GAGCT	GACCC GAGCC	GACCG GAGCG	GACGA GAGGA	GACGT GAGGT	GACGC GAGGC	GACGG GAGGG
STA	GTAAA	GTAAT	GTAAC	GTAAG	GTATA	GTATT	GTATC	GTATG	GTACA	GTACT	GTACC	GTACG	GTAGA	GTAGT	GTAGC	GTAGG
STT	GTTAA	GTTAT	GTTAC	GTTAG	GTTTA	GTTTT	GTTTC	GTTTG	GTTCA	GTTCT	GTTCC	GTTCG	GTTGA	GTTGT	GTTGC	GTTGG
STC STG	GTCAA GTGAA	GTCAT GTGAT	GTCAC GTGAC	GTCAG GTGAG	GTCTA GTGTA	GTCTT GTGTT	GTCTC GTGTC	GTCTG GTGTG	GTCCA GTGCA	GTCCT GTGCT	GTCCC GTGCC	GTCCG GTGCG	GTCGA GTGGA	GTCGT GTGGT	GTCGC GTGGC	GTCGG GTGGG
GCA	GCAAA	GCAAT	GCAAC	GCAAG	GCATA	GCATT	GCATC	GCATG	GCACA	GCACT	GCACC	GCACG	GCAGA	GCAGT	GCAGC	GCAGG
GCT	GCTAA	GCTAT	GCTAC	GCTAG	GCTTA	GCTTT	GCTTC	GCTTG	GCTCA	GCTCT	GCTCC	GCTCG	GCTGA	GCTGT	GCTGC	GCTGG
300	GCCAA	GCCAT	GCCAC	GCCAG	GCCTA	GCCTT	GCCTC	GCCTG	GCCCA	GCCCT	GCCCC	92229 92929	GCCGA	GCCGT	GCCGC	GCCGG
GCG GGA	GCGAA GGAAA	GCGAT GGAAT	GCGAC GGAAC	GCGAG GGAAG	GCGTA GGATA	GCGTT GGATT	GCGTC GGATC	GCGTG GGATG	GCGCA GGACA	GCGCT GGACT	GCGCC GGACC	GCGCG GGACG	GCGGA GGAGA	GCGGT GGAGT	GCGGC GGAGC	GCGGG GGAGG
GGT	GGTAA	GGTAT	GGTAC	GGTAG	GGTTA	GGTTT	GGTTC	GGTTG	GGTCA	GGTCT	GGTCC	GGTCG	GGTGA	GGTGT	GGTGC	GGTGG
GGC	GGCAA	GGCAT	GGCAC	GGCAG	GGCTA	GGCTT	GGCTC	GGCTG	GGCCA	GGCCT	GGCCC	GGCCG	GGCGA	GGCGT	GGCGC	GGCGG