Rfastp Report

Summary

General 0.21.0 (https://github.com/OpenGene/fastp) fastp version: single end (126 cycles) sequencing: mean length before filtering: 126bp mean length after filtering: 88bp duplication rate: 61.958343% (may be overestimated since this is SE data) Detected read1 adapter: AGATCGGAAGAGCACACGTCTGAACTCCAGTCA

Before filtering

total reads: 26.988141 M total bases: 3.400506 G Q20 bases: 3.275958 G (96.337365%) 3.130849 G (92.070099%)

total reads:

Q30 bases: GC content: 58.479097% After filtering 26.643859 M

total bases: 2.346268 G Q20 bases: 2.302102 G (98.117582%) Q30 bases: 2.222799 G (94.737653%) GC content: 64.532993%

Filtering result reads passed filters: 26.643859 M (98.724321%) reads with low quality: 64.301000 K (0.238256%) reads with too many N: 9.273000 K (0.034360%) reads too short: 270.708000 K (1.003063%)

Adapters

Adapter or bad ligation of read1

Sequence	Occurrences					
AGATCGGAAGAGCACACG	218130					
AGATCGGAAGAGCACACGTCTGAACTC	198661					
AGATCGGAAGAGCACACGTCTGAACTCC	192615					
AGATCGGAAGAGCACACGTCTGAACTCCAGTCACATTA	246606					
AGATCGGAAGAGCACACGTCTGAACTCCAGTCACATTAC	219867					
AGATCGGAAGAGCACACGTCTGAACTCCAGTCACATTACT	217186					
AGATCGGAAGAGCACACGTCTGAACTCCAGTCACATTACTC	219714					
AGATCGGAAGAGCACACGTCTGAACTCCAGTCACATTACTCG	284064					
AGATCGGAAGAGCACACGTCTGAACTCCAGTCACATTACTCGA	255489					
AGATCGGAAGAGCACACGTCTGAACTCCAGTCACATTACTCGAT	299855					
AGATCGGAAGAGCACACGTCTGAACTCCAGTCACATTACTCGATCT	204786					
AGATCGGAAGAGCACACGTCTGAACTCCAGTCACATTACTCGATCTC	272540					
AGATCGGAAGAGCACACGTCTGAACTCCAGTCACATTACTCGATCTCGTATGCCGTCTT	192006					
AGATCGGAAGAGCACACGTCTGAACTCCAGTCACATTACTCGATCTCGTATGCCGTCTTC	191982					
AGATCGGAAGAGCACACGTCTGAACTCCAGTCACATTACTCGATCTCGTATGCCGTCTTCT	226615					
AGATCGGAAGAGCACACGTCTGAACTCCAGTCACATTACTCGATCTCGTATGCCGTCTTCTG	213849					
AGATCGGAAGAGCACACGTCTGAACTCCAGTCACATTACTCGATCTCGTATGCCGTCTTCTGCTT	201713					
AGATCGGAAGAGCACACGTCTGAACTCCAGTCACATTACTCGATCTCGTATGCCGTCTTCTGCTTGAAA	228520					
AGATCGGAAGAGCACACGTCTGAACTCCAGTCACATTACTCGATCTCGTATGCCGTCTTCTGCTTGAAAA	225686					
AGATCGGAAGAGCACACGTCTGAACTCCAGTCACATTACTCGATCTCGTATGCCGTCTTCTGCTTGAAAAA	243302					
AGATCGGAAGAGCACACGTCTGAACTCCAGTCACATTACTCGATCTCGTATGCCGTCTTCTGCTTGAAAAAA	230823					

213167

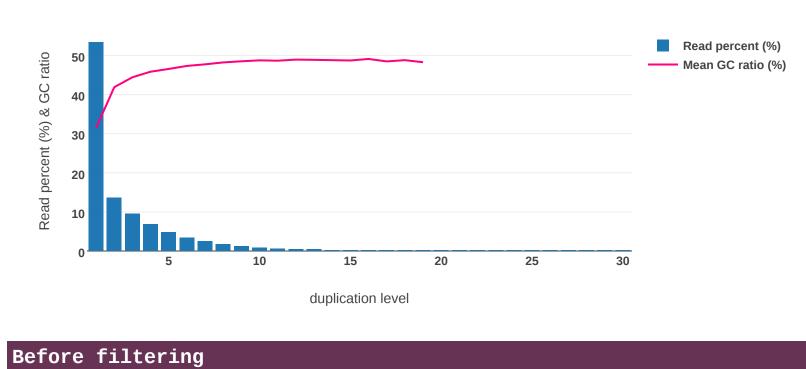
190820 13559908

Duplication

other adapter sequences

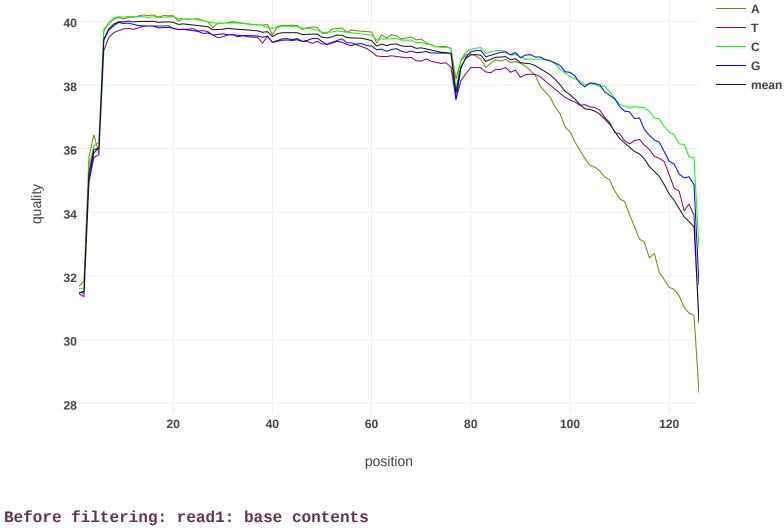
duplication rate (61.958343%)

AGATCGGAAGAGCACACGTCTGAACTCCAGTCACATTACTCGATCTCGTATGCCGTCTTCTGCTTGAAAAAAA



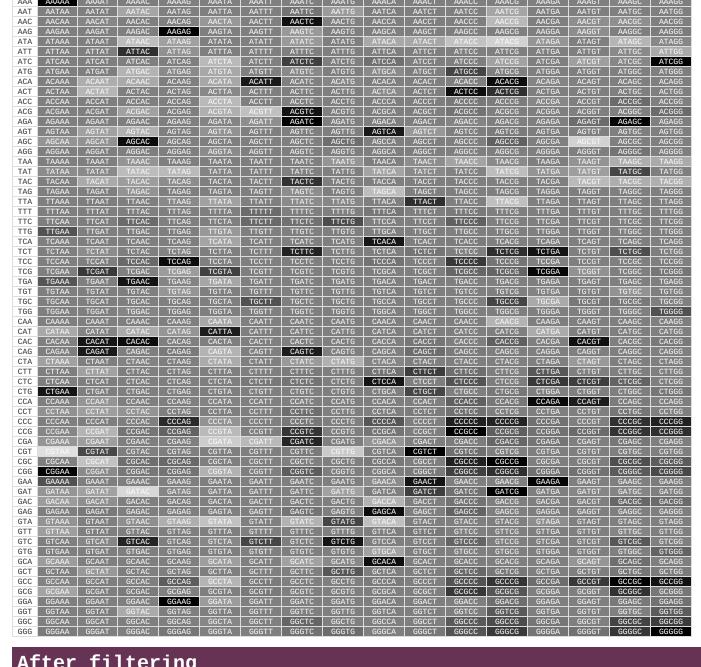
Before filtering: read1: quality

Value of each position will be shown on mouse over.

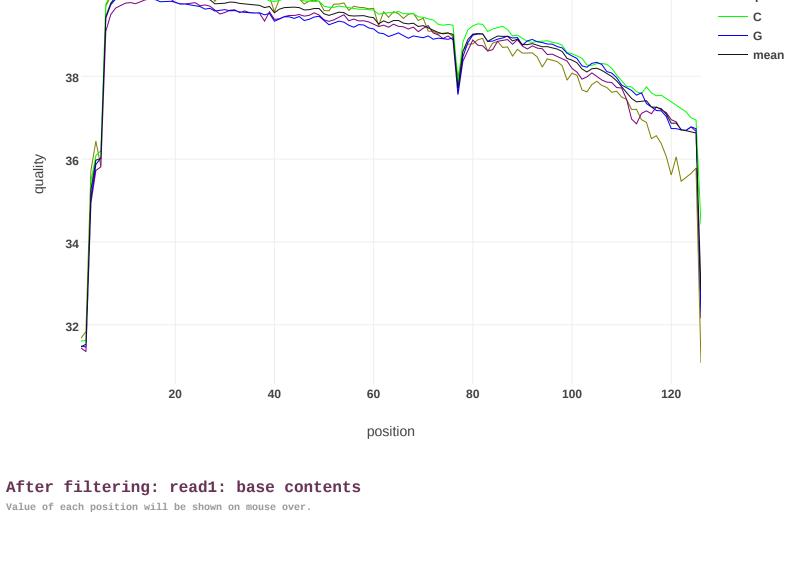


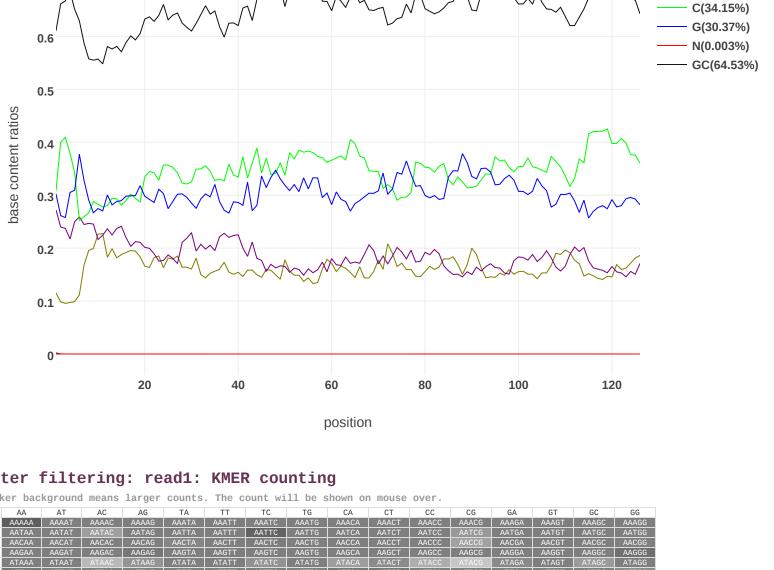
Value of each position will be shown on mouse over.





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





- A(16.21%) T(19.24%)

After filtering: read1: KMER counting																
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AA	AA AAAAA	AT AAAAT	AC AAAAC	AG AAAAG	TA AAATA	AAATT	TC AAATC	TG AAATG	CA AAACA	CT AAACT	CC AAACC	CG AAACG	GA AAAGA	GT AAAGT	GC AAAGC	G(AAA
AT	AATAA	AATAT	AATAC	AATAG	AATTA	AACTT	AATTC AACTC	AACTC	AATCA	AACCT	AACCC	AATCG AACCG	AATGA	AATGT	AATGC	AAT
AC AG	AACAA AAGAA	AACAT AAGAT	AACAC AAGAC	AACAG AAGAG	AACTA AAGTA	AACTT AAGTT	AAGTC	AACTG AAGTG	AACCA AAGCA	AACCT AAGCT	AACCC AAGCC	AACCG	AACGA AAGGA	AACGT AAGGT	AACGC AAGGC	AAC AAG
TA	ATAAA	ATAAT	ATAAC	ATAAG	ATATA	ATATT	ATATC	ATATG	ATACA	ATACT	ATACC	ATACG	ATAGA	ATAGT	ATAGC	ATA
TT TC	ATTAA ATCAA	ATTAT ATCAT	ATTAC ATCAC	ATTAG ATCAG	ATTTA ATCTA	ATTTT ATCTT	ATTTC ATCTC	ATTTG ATCTG	ATTCA ATCCA	ATTCT ATCCT	ATTCC ATCCC	ATTCG ATCCG	ATTGA ATCGA	ATTGT ATCGT	ATTGC ATCGC	ATT ATC
TG	ATGAA	ATGAT	ATGAC	ATGAG	ATGTA	ATGTT	ATGTC	ATGTG	ATGCA	ATGCT	ATGCC	ATGCG	ATGGA	ATGGT	ATGGC	ATG
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	ACA ACT
CC	ACCAA	ACCAT	ACCAC	ACCAG	ACCTA	ACCTT	ACCTC	ACCTG	ACCCA	ACCCT	ACCCC	ACCCG	ACCGA	ACCGT	ACCGC	ACC
.CG .GA	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	ACG AGA
GT	AGTAA	AGTAT	AGTAC	AGTAG	AGTTA	AGTTT	AGTTC	AGTTG	AGTCA	AGTCT	AGTCC	AGTCG	AGTGA	AGTGT	AGTGC	AGT
GC .GG	AGCAA AGGAA	AGCAT AGGAT	AGCAC AGGAC	AGCAG AGGAG	AGCTA AGGTA	AGCTT AGGTT	AGCTC AGGTC	AGCTG AGGTG	AGCCA AGGCA	AGCCT AGGCT	AGCCC AGGCC	AGCCG AGGCG	AGCGA AGGGA	AGCGT AGGGT	AGCGC AGGGC	AGC AGG
AA	TAAAA	TAAAT	TAAAC	TAAAG	TAATA	TAATT	TAATC	TAATG	TAACA	TAACT	TAACC	TAACG	TAAGA	TAAGT	TAAGC	TAA
AT	TATAA TACAA	TATAT TACAT	TATAC TACAC	TATAG TACAG	TATTA TACTA	TATTT TACTT	TATTC TACTC	TATTG TACTG	TATCA TACCA	TATCT TACCT	TATCC TACCC	TATCG TACCG	TATGA TACGA	TATGT TACGT	TATGC TACGC	TAT
AG	TAGAA	TAGAT	TAGAC	TAGAG	TAGTA	TAGTT	TAGTC	TAGTG	TAGCA	TAGCT	TAGCC	TAGCG	TAGGA	TAGGT	TAGGC	TAG
TA TT	TTAAA TTTAA	TTAAT TTTAT	TTAAC TTTAC	TTAAG TTTAG	TTATA TTTTA	TTATT	TTATC TTTTC	TTATG TTTTG	TTACA TTTCA	TTACT TTTCT	TTACC	TTACG TTTCG	TTAGA TTTGA	TTAGT TTTGT	TTAGC TTTGC	TTA
TC	TTCAA	TTCAT	TTCAC	TTCAG	TTCTA	TTTTT	TTCTC	TTCTG	TTCCA	TTCCT	TTCCC	TTCCG	TTCGA	TTCGT	TTCGC	TTC
TG	TTGAA	TTGAT	TTGAC	TTGAG	TTGTA	TTGTT	TTGTC	TTGTG	TTGCA	TTGCT	TTGCC	TTGCG	TTGGA	TTGGT	TTGGC	TTG
CA	TCAAA TCTAA	TCAAT TCTAT	TCAAC TCTAC	TCAAG TCTAG	TCATA TCTTA	TCATT TCTTT	TCATC TCTTC	TCATG TCTTG	TCACA TCTCA	TCACT TCTCT	TCACC	TCACG TCTCG	TCAGA TCTGA	TCAGT TCTGT	TCAGC TCTGC	TCA TCT
СС	TCCAA	TCCAT	TCCAC	TCCAG	TCCTA	TCCTT	тсстс	TCCTG	TCCCA	TCCCT	TCCCC	TCCCG	TCCGA	TCCGT	TCCGC	тсс
CG GA	TCGAA TGAAA	TCGAT TGAAT	TCGAC TGAAC	TCGAG TGAAG	TCGTA TGATA	TCGTT TGATT	TCGTC TGATC	TCGTG TGATG	TCGCA TGACA	TCGCT TGACT	TCGCC	TCGCG TGACG	TCGGA TGAGA	TCGGT TGAGT	TCGGC TGAGC	TCG TGA
GT	TGTAA	TGTAT	TGTAC	TGTAG	TGTTA	TGTTT	TGTTC	TGTTG	TGTCA	TGTCT	TGTCC	TGTCG	TGTGA	TGTGT	TGTGC	TGT
GC GG	TGCAA TGGAA	TGCAT TGGAT	TGCAC TGGAC	TGCAG TGGAG	TGCTA TGGTA	TGCTT TGGTT	TGCTC TGGTC	TGCTG TGGTG	TGCCA TGGCA	TGCCT	TGCCC	TGCCG TGGCG	TGCGA TGGGA	TGCGT TGGGT	TGCGC TGGGC	TGC
AA	CAAAA	CAAAT	CAAAC	CAAAG	CAATA	CAATT	CAATC	CAATG	CAACA	CAACT	CAACC	CAACG	CAAGA	CAAGT	CAAGC	CAA
AT AC	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	CAT CAC
AG	CAGAA	CAGAT	CAGAC	CAGAG	CAGTA	CAGTT	CAGTC	CAGTG	CAGCA	CAGCT	CAGCC	CAGCG	CAGGA	CAGGT	CAGGC	CAG
TA	CTAAA CTTAA	CTAAT CTTAT	CTAAC CTTAC	CTAAG CTTAG	CTATA CTTTA	CTATT CTTTT	CTATC CTTTC	CTATG CTTTG	CTACA CTTCA	CTACT CTTCT	CTACC	CTACG CTTCG	CTAGA CTTGA	CTAGT CTTGT	CTAGC CTTGC	CTA CTT
TC	CTCAA	CTCAT	CTCAC	CTCAG	CTCTA	CTCTT	СТСТС	CTCTG	CTCCA	CTCCT	CTCCC	CTCCG	CTCGA	CTCGT	CTCGC	СТС
TG	CTGAA	CTGAT	CTGAC	CTGAG	CTGTA	CTGTT	CTGTC	CTGTG	CTGCA	CTGCT	CTGCC	CTGCG	CTGGA	CTGGT	CTGGC	CTG
CA CT	CCAAA CCTAA	CCAAT CCTAT	CCAAC CCTAC	CCAAG CCTAG	CCATA CCTTA	CCATT CCTTT	CCATC CCTTC	CCATG CCTTG	CCACA CCTCA	CCACT CCTCT	CCACC	CCACG CCTCG	CCAGA CCTGA	CCAGT CCTGT	CCAGC CCTGC	CCA CCT
CC	CCCAA	CCCAT	CCCAC	CCCAG	CCCTA	CCCTT	CCCTC	CCCTG	CCCCA	TOOOD	22222	CCCCG	CCCGA	CCCGT	CCCGC	CCC
CG GA	CCGAA CGAAA	CCGAT CGAAT	CCGAC CGAAC	CCGAG CGAAG	CCGTA CGATA	CCGTT CGATT	CCGTC CGATC	CCGTG CGATG	CCGCA CGACA	CCGCT CGACT	CCGCC	CCGCG CGACG	CCGGA CGAGA	CCGGT CGAGT	CCGGC CGAGC	CCG
GT	CGTAA	CGTAT	CGTAC	CGTAG	CGTTA	CGTTT	CGTTC	CGTTG	CGTCA	CGTCT	CGTCC	CGTCG	CGTGA	CGTGT	CGTGC	CGT
GC GG	CGCAA CGGAA	CGCAT CGGAT	CGCAC CGGAC	CGCAG CGGAG	CGCTA CGGTA	CGCTT CGGTT	CGCTC CGGTC	CGCTG CGGTG	CGCCA CGGCA	CGCCT	CGCCC	CGCCG	CGCGA CGGGA	CGCGT CGGGT	CGCGC CGGGC	CGC
AA	GAAAA	GAAAT	GAAAC	GAAAG	GAATA	GAATT	GAATC	GAATG	GAACA	GAACT	GAACC	GAACG	GAAGA	GAAGT	GAAGC	GAA
AT AC	GATAA GACAA	GATAT GACAT	GATAC GACAC	GATAG GACAG	GATTA GACTA	GATTT GACTT	GATTC GACTC	GATTG GACTG	GATCA GACCA	GATCT GACCT	GATCC GACCC	GATCG GACCG	GATGA GACGA	GATGT GACGT	GATGC GACGC	GAT GAC
AG	GAGAA	GAGAT	GAGAC	GAGAG	GAGTA	GAGTT	GAGTC	GAGTG	GAGCA	GAGCT	GAGCC	GAGCG	GAGGA	GAGGT	GAGGC	GAG
TA TT	GTAAA GTTAA	GTAAT GTTAT	GTAAC GTTAC	GTAAG GTTAG	GTATA GTTTA	GTATT GTTTT	GTATC GTTTC	GTATG GTTTG	GTACA GTTCA	GTACT GTTCT	GTACC GTTCC	GTACG GTTCG	GTAGA GTTGA	GTAGT GTTGT	GTAGC GTTGC	GTA GTT
TC	GTCAA	GTCAT	GTCAC	GTCAG	GTCTA	GTCTT	GTCTC	GTCTG	GTCCA	GTCCT	GTCCC	GTCCG	GTCGA	GTCGT	GTCGC	GTC
TG CA	GTGAA GCAAA	GTGAT GCAAT	GTGAC GCAAC	GTGAG GCAAG	GTGTA GCATA	GTGTT GCATT	GTGTC GCATC	GTGTG GCATG	GTGCA GCACA	GTGCT GCACT	GTGCC GCACC	GTGCG GCACG	GTGGA GCAGA	GTGGT GCAGT	GTGGC GCAGC	GTG GCA
CT	GCAAA	GCAAT	GCTAC	GCAAG	GCATA	GCTTT	GCTTC	GCATG	GCTCA	GCTCT	GCTCC	GCACG	GCAGA	GCAGT	GCTGC	GCA
CC	GCCAA	GCCAT	GCCAC	GCCAG	GCCTA	GCCTT	GCCTC	GCCTG	GCCCA	GCCCT	00000 00000	GCCCG	GCCGA	GCCGT	00000 00000	GCC
GA	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	GCG GGA
GT	GGTAA	GGTAT	GGTAC	GGTAG	GGTTA	GGTTT	GGTTC	GGTTG	GGTCA	GGTCT	GGTCC	GGTCG	GGTGA	GGTGT	GGTGC	GGT
GC GG	GGCAA GGGAA	GGCAT GGGAT	GGCAC GGGAC	GGCAG GGGAG	GGCTA GGGTA	GGCTT GGGTT	GGCTC GGGTC	GGCTG GGGTG	GGCCA GGGCA	GGCCT GGGCT	GGCCC	GGCCG GGGCG	GGCGA GGGGA	GGCGT GGGGT	GGCGC GGGGC	GGC GGG