Rfastp	Report
Summary	

General 0.21.0 (https://github.com/OpenGene/fastp) fastp version: single end (126 cycles) sequencing: mean length before filtering: mean length after filtering: 95bp duplication rate: 42.000587% (may be overestimated since this is SE data) Detected read1 adapter: AGATCGGAAGAGCACACGTCTGAACTCCAGTCA

Before filtering

total reads: 31.984569 M total bases: 4.030056 G Q20 bases: 3.901247 G (96.803810%) 3.732329 G (92.612343%) 60.681488%

Q30 bases: GC content: After filtering total reads: 31.747571 M total bases: 3.036475 G

Q30 bases: GC content:

2.978715 G (98.097790%) Q20 bases: 2.871628 G (94.571102%) 65.573739% Filtering result reads passed filters: 31.747571 M (99.259024%)

reads with low quality: 79.380000 K (0.248182%) reads with too many N: 11.520000 K (0.036017%) reads too short: 146.098000 K (0.456777%)

Occurrences

12946979

Adapters

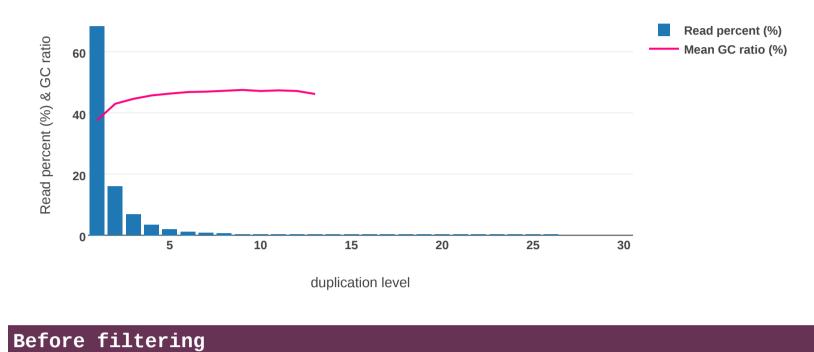
Adapter or bad ligation of read1 Sequence

AGATC	224321
AGATCG	230764
AGATCGG	254793
AGATCGGAAGAGCACA	212031
AGATCGGAAGAGCACAC	229219
AGATCGGAAGAGCACACG	329655
AGATCGGAAGAGCACACGT	195224
AGATCGGAAGACCACCGTCTGAACT	196450
AGATCGGAAGAGCACACGTCTGAACTC	266052
AGATCGGAAGAGCACACGTCTGAACTCC	210695
AGATCGGAAGAGCACACGTCTGAACTCCAGTC	205129
AGATCGGAAGAGCACACGTCTGAACTCCAGTCA	264036
AGATCGGAAGAGCACACGTCTGAACTCCAGTCACATTA	259948
AGATCGGAAGAGCACACGTCTGAACTCCAGTCACATTAC	212542
AGATCGGAAGAGCACACGTCTGAACTCCAGTCACATTACT	205114
AGATCGGAAGAGCACACTCTGAACTCCAGTCACATTACTC	215071
AGATCGGAAGAGCACACGTCTGAACTCCAGTCACATTACTCG	246768
AGATCGGAAGAGCACACTCTGAACTCCAGTCACATTACTCGA	237457
AGATCGGAAGAGCACACTCTGAACTCCAGTCACATTACTCGAT	288689
AGATCGGAAGAGCACACGTCTGAACTCCAGTCACATTACTCGATCT	206011
AGATCGGAAGAGCACACGTCTGAACTCCAGTCACATTACTCGATCTC	266080
AGATCGGAAGAGCACACGTCTGAACTCCAGTCACATTACTCGATCTCGT	235571
AGATCGGAAGAGCACACGTCTGAACTCCAGTCACATTACTCGATCTCGTATGCCGTCTT	253109
AGATCGGAAGAGCACACGTCTGAACTCCAGTCACATTACTCGATCTCGTATGCCGTCTTC	222209
AGATCGGAAGAGCACACGTCTGAACTCCAGTCACATTACTCGATCTCGTATGCCGTCTTCT	259069
AGATCGGAAGAGCACACGTCTGAACTCCAGTCACATTACTCGATCTCGTATGCCGTCTTCTG	216265
AGATCGGAAGAGCACACGTCTGAACTCCAGTCACATTACTCGATCTCGTATGCCGTCTTCTGCTTGAAAAA	205287

Duplication

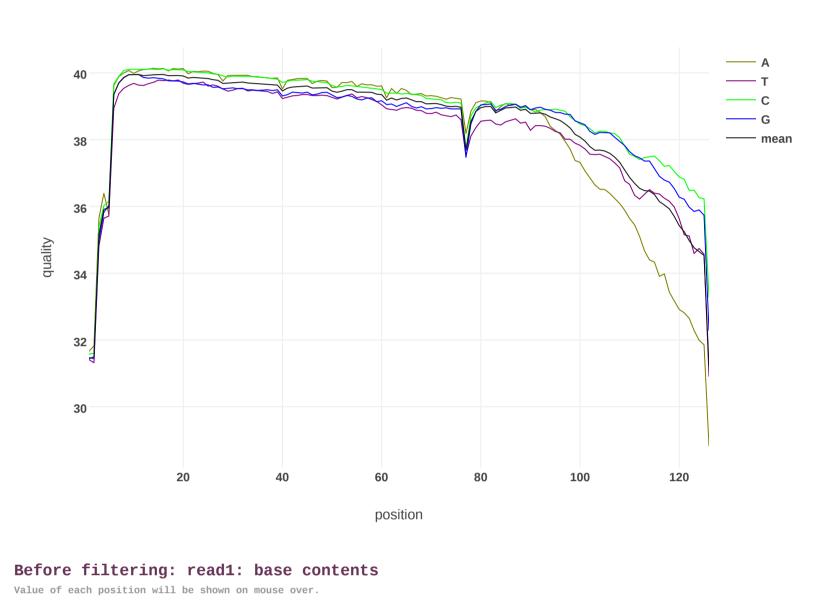
other adapter sequences

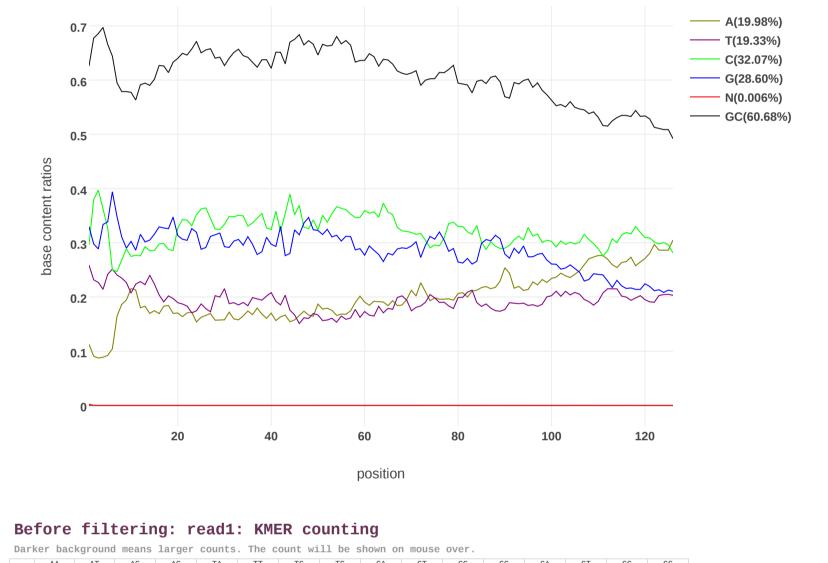
duplication rate (42.000587%)

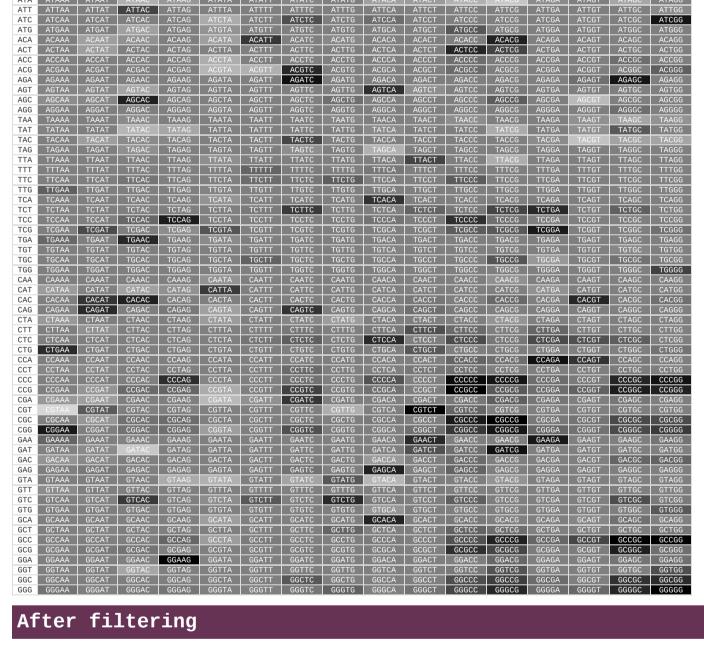


Before filtering: read1: quality

Value of each position will be shown on mouse over.

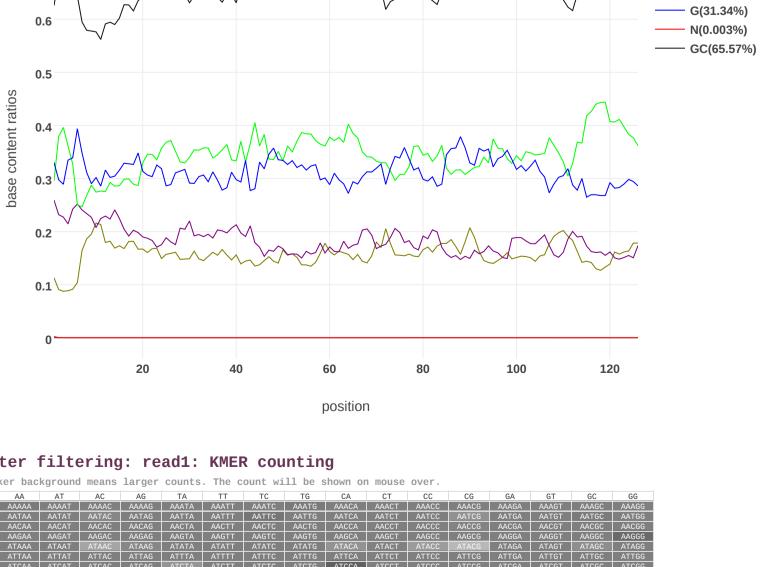






After filtering: read1: quality Value of each position will be shown on mouse over.





T(18.72%) C(34.22%)

	AA	AT	AC	AG	TA	TT	TC	TG	CA	CT	CC	CG	GA	GT	GC	GG
AAA	AAAAA	AAAAT	AAAAC	AAAAG	AAATA	AAATT	AAATC	AAATG	AAACA	AAACT	AAACC	AAACG	AAAGA	AAAGT	AAAGC	AAAGG
AAT	AATAA	AATAT	AATAC	AATAG	AATTA	AATTT	AATTC	AATTG	AATCA	AATCT	AATCC	AATCG	AATGA	AATGT	AATGC	AATGG
AAC AAG	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
ATA	ATAAA	ATAAT	ATAAC	ATAAG	ATATA	ATATT	ATATC	ATATG	ATACA	ATACT	ATACC	ATACG	ATAGA	ATAGT	ATAGC	ATAGG
ATT	ATTAA	ATTAT	ATTAC	ATTAG	ATTTA	ATTTT	ATTTC	ATTTG	ATTCA	ATTCT	ATTCC	ATTCG	ATTGA	ATTGT	ATTGC	ATTGG
ATC	ATCAA	ATCAT	ATCAC	ATCAG	ATCTA	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	ACATA	ACTTT	ACTTC	ACTTG	ACTCA	ACTCT	ACTCC	ACACG	ACAGA	ACTGT	ACAGC	ACTGG
ACC	ACCAA	ACCAT	ACCAC	ACCAG	ACCTA	ACCTT	ACCTC	ACCTG	ACCCA	ACCCT	ACCCC	ACCCG	ACCGA	ACCGT	ACCGC	ACCG
ACG	ACGAA	ACGAT	ACGAC	ACGAG	ACGTA	ACGTT	ACGTC	ACGTG	ACGCA	ACGCT	ACGCC	ACGCG	ACGGA	ACGGT	ACGGC	ACGGG
AGA AGT	AGAAA AGTAA	AGAAT AGTAT	AGAAC AGTAC	AGAAG AGTAG	AGATA AGTTA	AGATT AGTTT	AGATC AGTTC	AGATG AGTTG	AGACA AGTCA	AGACT AGTCT	AGACC AGTCC	AGACG AGTCG	AGAGA AGTGA	AGAGT AGTGT	AGAGC AGTGC	AGAGG AGTGG
AGC	AGCAA	AGCAT	AGCAC	AGTAG	AGCTA	AGCTT	AGCTC	AGTTG	AGCCA	AGCCT	AGCCC	AGCCG	AGCGA	AGCGT	AGCGC	AGCGG
AGG	AGGAA	AGGAT	AGGAC	AGGAG	AGGTA	AGGTT	AGGTC	AGGTG	AGGCA	AGGCT	AGGCC	AGGCG	AGGGA	AGGGT	AGGGC	AGGGG
TAA	TAAAA	TAAAT	TAAAC	TAAAG	TAATA	TAATT	TAATC	TAATG	TAACA	TAACT	TAACC	TAACG	TAAGA	TAAGT	TAAGC	TAAGG
TAT	TATAA	TATAT	TATAC	TATAG	TATTA	TATTT	TATTC	TATTG	TATCA	TATCT	TATCC	TATCG	TATGA	TATGT	TATGC	TATGG
TAC	TACAA TAGAA	TACAT TAGAT	TACAC TAGAC	TACAG TAGAG	TACTA TAGTA	TACTT TAGTT	TACTC TAGTC	TACTG TAGTG	TACCA TAGCA	TACCT TAGCT	TACCC TAGCC	TACCG TAGCG	TACGA TAGGA	TACGT TAGGT	TACGC TAGGC	TACGG TAGGG
ТТА	TTAAA	TTAAT	TTAAC	TTAAG	TTATA	TTATT	TTATC	TTATG	TTACA	TTACT	TTACC	TTACG	TTAGA	TTAGT	TTAGC	TTAGG
TTT	TTTAA	TTTAT	TTTAC	TTTAG	TTTTA	TTTTT	TTTTC	TTTTG	TTTCA	TTTCT	TTTCC	TTTCG	TTTGA	TTTGT	TTTGC	TTTGG
TTC	TTCAA	TTCAT	TTCAC	TTCAG	TTCTA	TTCTT	TTCTC	TTCTG	TTCCA	TTCCT	TTCCC	TTCCG	TTCGA	TTCGT	TTCGC	TTCGG
TTG	TTGAA TCAAA	TTGAT TCAAT	TTGAC TCAAC	TTGAG TCAAG	TTGTA TCATA	TTGTT	TTGTC TCATC	TTGTG TCATG	TTGCA TCACA	TTGCT TCACT	TTGCC TCACC	TTGCG TCACG	TTGGA TCAGA	TTGGT TCAGT	TTGGC TCAGC	TTGG6
TCT	TCTAA	TCTAT	TCTAC	TCTAG	TCTTA	TCTTT	TCTTC	TCTTG	TCTCA	TCTCT	TCTCC	TCTCG	TCTGA	TCTGT	TCTGC	TCTGG
тсс	TCCAA	TCCAT	TCCAC	TCCAG	TCCTA	TCCTT	тсстс	TCCTG	TCCCA	TCCCT	TCCCC	TCCCG	TCCGA	TCCGT	TCCGC	TCCGG
TCG	TCGAA	TCGAT	TCGAC	TCGAG	TCGTA	TCGTT	TCGTC	TCGTG	TCGCA	TCGCT	TCGCC	TCGCG	TCGGA	TCGGT	TCGGC	TCGGG
TGA TGT	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
TGC	TGCAA	TGCAT	TGCAC	TGCAG	TGCTA	TGCTT	TGCTC	TGCTG	TGCCA	TGCCT	TGCCC	TGCCG	TGCGA	TGCGT	TGCGC	TGCGG
TGG	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
CAT	CATAA CACAA	CATAT CACAT	CATAC CACAC	CATAG CACAG	CATTA CACTA	CATTT CACTT	CATTC CACTC	CATTG CACTG	CATCA CACCA	CATCT CACCT	CATCC CACCC	CATCG CACCG	CATGA CACGA	CATGT CACGT	CATGC CACGC	CATGG CACGG
CAG	CAGAA	CAGAT	CAGAC	CAGAG	CAGTA	CAGTT	CAGTC	CAGTG	CAGCA	CACCT	CAGCC	CACCG	CAGGA	CAGGT	CAGGC	CAGGG
СТА	CTAAA	CTAAT	CTAAC	CTAAG	CTATA	CTATT	CTATC	CTATG	CTACA	CTACT	CTACC	CTACG	CTAGA	CTAGT	CTAGC	CTAGG
CTT	CTTAA	CTTAT	CTTAC	CTTAG	CTTTA	CTTTT	CTTTC	CTTTG	CTTCA	СТТСТ	CTTCC	CTTCG	CTTGA	CTTGT	CTTGC	CTTGG
CTC	CTCAA CTGAA	CTCAT CTGAT	CTCAC CTGAC	CTCAG CTGAG	CTCTA CTGTA	CTCTT CTGTT	CTCTC CTGTC	CTCTG CTGTG	CTCCA CTGCA	CTCCT CTGCT	CTCCC CTGCC	CTCCG CTGCG	CTCGA CTGGA	CTCGT CTGGT	CTCGC CTGGC	CTCGG CTGGG
CCA	CCAAA	CCAAT	CCAAC	CCAAG	CCATA	CCATT	CCATC	CCATG	CCACA	CCACT	CCACC	CCACG	CCAGA	CCAGT	CCAGC	CCAGG
ССТ	CCTAA	CCTAT	CCTAC	CCTAG	CCTTA	CCTTT	ССТТС	CCTTG	CCTCA	ССТСТ	ССТСС	CCTCG	CCTGA	CCTGT	CCTGC	CCTGG
CCC	CCCAA	CCCAT	CCCAC	CCCAG	CCCTA	CCCTT	СССТС	CCCTG	CCCCA	CCCCT	CCCCC	CCCCG	CCCGA	CCCGT	CCCGC	CCCGG
CCG	CCGAA CGAAA	CCGAT CGAAT	CCGAC CGAAC	CCGAG CGAAG	CCGTA CGATA	CCGTT CGATT	CCGTC CGATC	CCGTG CGATG	CCGCA CGACA	CCGCT CGACT	CCGCC CGACC	CCGCG CGACG	CCGGA CGAGA	CCGGT CGAGT	CCGGC CGAGC	CCGGG
CGT	CGTAA	CGTAT	CGTAC	CGTAG	CGTTA	CGTTT	CGTTC	CGTTG	CGTCA	CGTCT	CGTCC	CGTCG	CGTGA	CGTGT	CGTGC	CGTGG
CGC	CGCAA	CGCAT	CGCAC	CGCAG	CGCTA	CGCTT	CGCTC	CGCTG	CGCCA	CGCCT	CGCCC	CGCCG	CGCGA	CGCGT	CGCGC	CGCGG
CGG	CGGAA	CAAAT	CGGAC	CGGAG	CGGTA	COATT	CGGTC	CGGTG	CGGCA	CGGCT	CGGCC	CGGCG	CGGGA	CGGGT	CGGGC	CGGGG
GAA GAT	GAAAA GATAA	GAAAT GATAT	GAAAC GATAC	GAAAG GATAG	GAATA GATTA	GAATT GATTT	GAATC GATTC	GAATG GATTG	GAACA GATCA	GAACT GATCT	GAACC GATCC	GAACG GATCG	GAAGA GATGA	GAAGT GATGT	GAAGC GATGC	GAAGG GATGG
GAC	GACAA	GACAT	GACAC	GATAG	GACTA	GACTT	GACTC	GACTG	GACCA	GACCT	GACCC	GACCG	GACGA	GACGT	GACGC	GACGG
GAG	GAGAA	GAGAT	GAGAC	GAGAG	GAGTA	GAGTT	GAGTC	GAGTG	GAGCA	GAGCT	GAGCC	GAGCG	GAGGA	GAGGT	GAGGC	GAGGG
GTA	GTAAA	GTAAT	GTAAC	GTAAG	GTATA	GTATT	GTATC	GTATG	GTACA	GTACT	GTACC	GTACG	GTAGA	GTAGT	GTAGC	GTAGG
GTT GTC	GTTAA GTCAA	GTTAT	GTTAC GTCAC	GTTAG GTCAG	GTTTA GTCTA	GTTTT GTCTT	GTTTC	GTTTG GTCTG	GTTCA GTCCA	GTTCT GTCCT	GTTCC GTCCC	GTTCG GTCCG	GTTGA GTCGA	GTTGT GTCGT	GTTGC GTCGC	GTTGG GTCGG
GTG	GTGAA	GTGAT	GTGAC	GTGAG	GTGTA	GTGTT	GTGTC	GTGTG	GTGCA	GTGCT	GTGCC	GTGCG	GTGGA	GTGGT	GTGGC	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
GCC GCG	GCCAA GCGAA	GCCAT GCGAT	GCCAC GCGAC	GCCAG GCGAG	GCCTA GCGTA	GCCTT GCGTT	GCGTC	GCCTG GCGTG	GCCCA GCGCA	GCCCT GCGCT	GCGCC	GCCCG	GCCGA GCGGA	GCCGT GCGGT	GCGGC	GCCGG
GGA	GGAAA	GGAAT	GGAAC	GGAAG	GGATA	GGATT	GGATC	GGATG	GGACA	GGGCT	GGACC	GGACG	GGAGA	GGAGT	GGAGC	GGAGG
GGT	GGTAA	GGTAT	GGTAC		GGTTA	GGTTT	GGTTC		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
GGG	GGGAA	GGGAT	GGGAC	GGGAG	GGGTA	GGGTT	GGGTC	GGGTG	GGGCA	GGGCT	GGGCC	GGGCG	GGGGA	GGGGT	GGGGC	GGGGG