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:	90bp
duplication rate:	65.802840% (may be overestimated since this is SE data)
Detected read1 adapter:	AGATCGGAAGAGCACACTCCAGTCA
Before filtering	
total reads:	25.273334 M
total bases:	3.184440 G
Q20 bases:	3.078720 G (96.680100%)
Q30 bases:	2.952858 G (92.727700%)
GC content:	54.638086%

GC content: 54.638086% After filtering total reads: 24.832458 M total bases: 2.258322 G Q20 bases: 2.222147 G (98.398163%)

GC content: 58.519620% Filtering result reads passed filters: 24.832458 M (98.255568%) reads with low quality: 35.551000 K (0.140666%) reads with too many N: 9.165000 K (0.036264%)

2.152971 G (95.335027%)

reads too short:

396.160000 K (1.567502%)

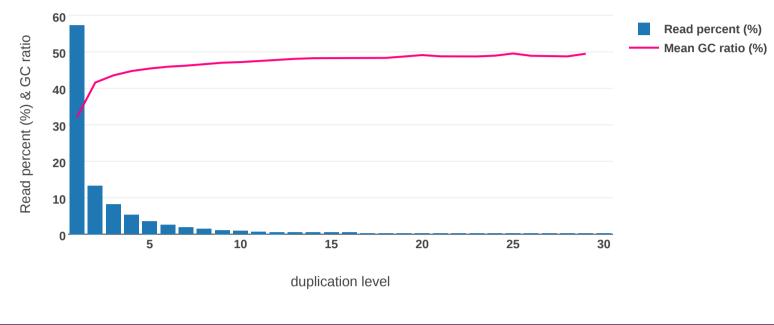
Adapters

Q30 bases:

Sequence	Occurrences
AGATCGGAAGAGCACA	178012
AGATCGGAAGAGCACACGTCTG	176907
AGATCGGAAGAGCACACGTCTGA	182100
AGATCGGAAGACACGTCTGAA	177908
AGATCGGAAGACACGTCTGAACT	195046
AGATCGGAAGACCACCGTCTGAACTC	256252
AGATCGGAAGACCACCGTCTGAACTCC	191234
AGATCGGAAGAGCACACGTCTGAACTCCA	191238
AGATCGGAAGACCACGTCTGAACTCCAG	185513
AGATCGGAAGACCACGTCTGAACTCCAGT	175961
AGATCGGAAGACCACGTCTGAACTCCAGTC	190211
AGATCGGAAGACCACGTCTGAACTCCAGTCA	185218
AGATCGGAAGACCACGTCTGAACTCCAGTCACAT	194951
AGATCGGAAGACCACGTCTGAACTCCAGTCACATT	176589
AGATCGGAAGACCACGTCTGAACTCCAGTCACATTA	218075
AGATCGGAAGACCACGTCTGAACTCCAGTCACATTAC	201805
AGATCGGAAGACCACGTCTGAACTCCAGTCACATTACT	187059
AGATCGGAAGACCACGTCTGAACTCCAGTCACATTACTC	185388
AGATCGGAAGACCACGTCTGAACTCCAGTCACATTACTCG	200857
AGATCGGAAGACCACGTCTGAACTCCAGTCACATTACTCGA	211452
AGATCGGAAGACCACGTCTGAACTCCAGTCACATTACTCGAT	213168
AGATCGGAAGAGCACACGTCTGAACTCCAGTCACATTACTCGATCTC	199533
AGATCGGAAGAGCACACGTCTGAACTCCAGTCACATTACTCGATCTCGTATGCCGTCTT	184091
AGATCGGAAGAGCACACGTCTGAACTCCAGTCACATTACTCGATCTCGTATGCCGTCTTCT	195434

Duplication

other adapter sequences

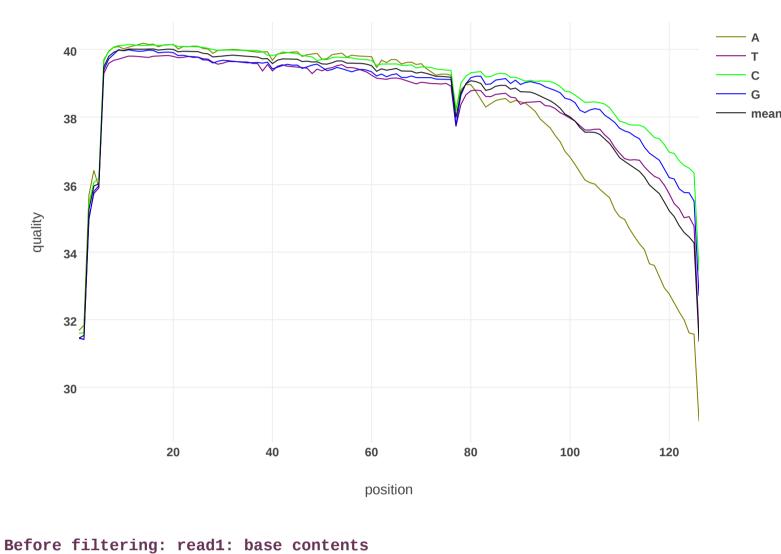


duplication rate (65.802840%)

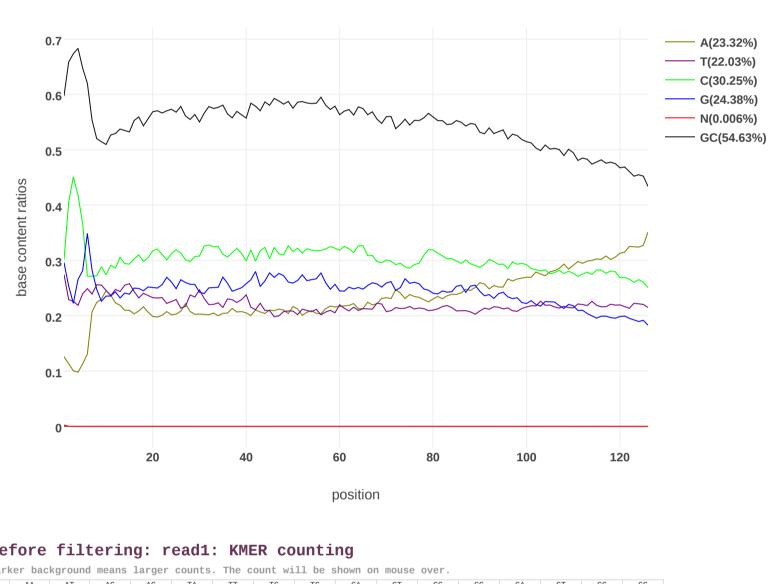
12715473

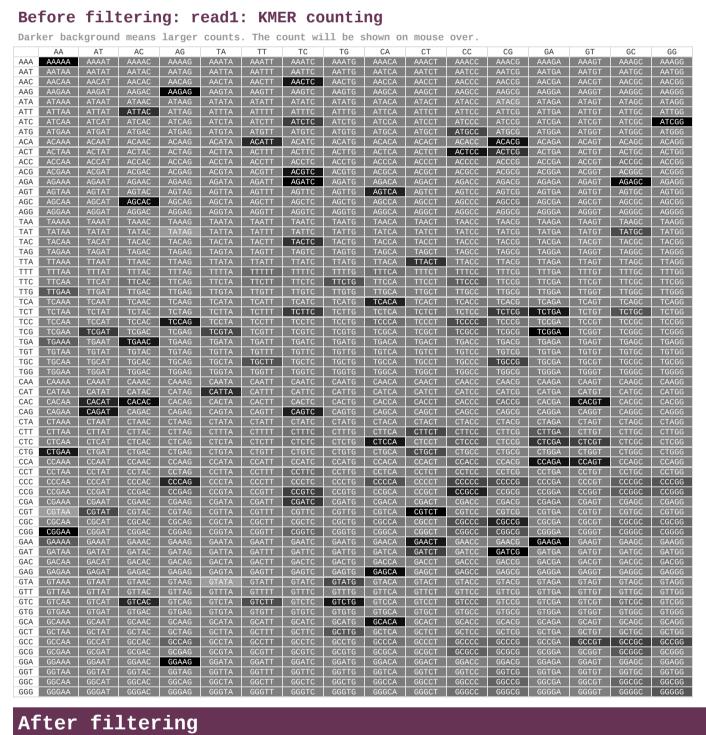
Before filtering Before filtering: read1: quality

Value of each position will be shown on mouse over.

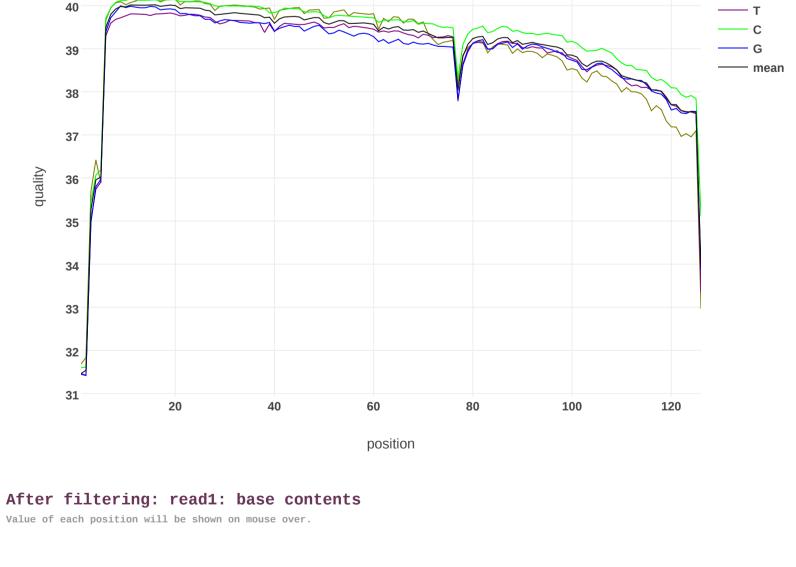


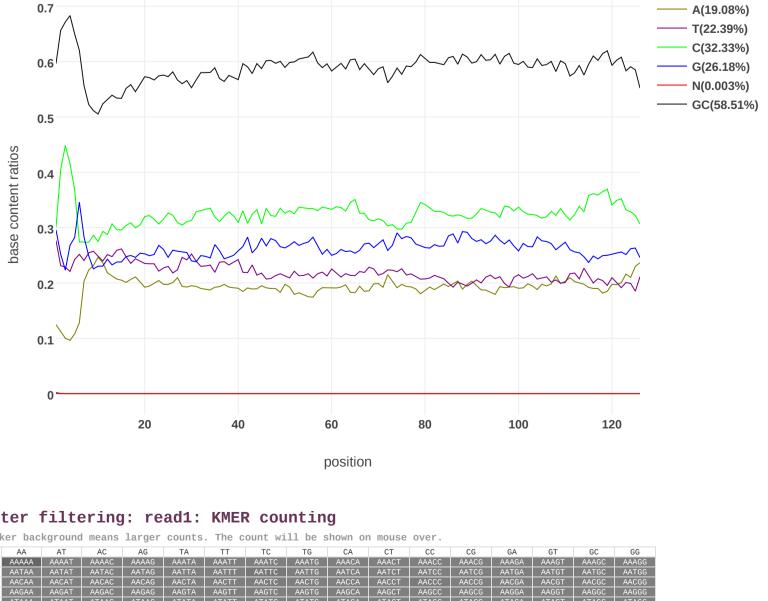
Value of each position will be shown on mouse over.





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





				larger												
AA	AA AAAA	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	GG AAAGG
AT	AATAA	AATAT	AATAC	AATAG	AATTA	AATTT	AATTC	AATTG	AATCA	AATCT	AATCC	AATCG	AATGA	AATGT	AATGC	AATGG
AC	AACAA	AACAT	AACAC	AACAG	AACTA	AACTT	AACTC	AACTG	AACCA	AACCT	AACCC	AACCG	AACGA	AACGT	AACGC	AACGG
AG TA	AAGAA ATAAA	AAGAT ATAAT	AAGAC ATAAC	AAGAG ATAAG	AAGTA ATATA	AAGTT ATATT	AAGTC ATATC	AAGTG ATATG	AAGCA ATACA	AAGCT ATACT	AAGCC ATACC	AAGCG ATACG	AAGGA ATAGA	AAGGT ATAGT	AAGGC ATAGC	AAGGG ATAGG
TT	ATTAA	ATTAT	ATTAC	ATTAG	ATTTA	ATTTT	ATTTC	ATTTG	ATTCA	ATTCT	ATTCC	ATTCG	ATTGA	ATTGT	ATTGC	ATTGG
TC	ATCAA	ATCAT	ATCAC	ATCAG	ATCTA	ATCTT	ATCTC	ATCTG	ATCCA	ATCCT	ATCCC	ATCCG	ATCGA	ATCGT	ATCGC	ATCGG
TG CA	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
CT	ACTAA	ACTAT	ACTAC	ACTAG	ACTTA	ACTTT	ACTTC	ACTTG	ACTCA	ACTCT	ACTCC	ACTCG	ACTGA	ACTGT	ACTGC	ACTGG
CC	ACCAA	ACCAT	ACCAC	ACCAG	ACCTA	ACCTT	ACCTC	ACCTG	ACCCA	ACCCT	ACCCC	ACCCG	ACCGA	ACCGT	ACCGC	ACCGG
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	ACGGG AGAGG
GT	AGTAA	AGTAT	AGTAC	AGTAG	AGTTA	AGTTT	AGTTC	AGTTG	AGTCA	AGTCT	AGTCC	AGTCG	AGTGA	AGTGT	AGTGC	AGTGG
GC	AGCAA	AGCAT	AGCAC	AGCAG	AGCTA	AGCTT	AGCTC	AGCTG	AGCCA	AGCCT	AGCCC	AGCCG	AGCGA	AGCGT	AGCGC	AGCGG
GG	AGGAA	AGGAT	AGGAC	AGGAG	AGGTA	AGGTT	AGGTC	AGGTG	AGGCA	AGGCT	AGGCC	AGGCG	AGGGA	AGGGT	AGGGC	AGGGG
AA AT	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
AC	TACAA	TACAT	TACAC	TACAG	TACTA	TACTT	TACTC	TACTG	TACCA	TACCT	TACCC	TACCG	TACGA	TACGT	TACGC	TACGG
AG	TAGAA	TAGAT	TAGAC	TAGAG	TAGTA	TAGTT	TAGTC	TAGTG	TAGCA	TAGCT	TAGCC	TAGCG	TAGGA	TAGGT	TAGGC	TAGGG
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	TTAGG TTTGG
TC	TTCAA	TTCAT	TTCAC	TTCAG	TTCTA	TTCTT	TTCTC	TTCTG	TTCCA	TTCCT	TTCCC	TTCCG	TTCGA	TTCGT	TTCGC	TTCGG
TG	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	TCCCC	TCCCG	TCCGA	TCCGT	TCCGC	TCCGG
CG	TCGAA	TCGAT	TCGAC	TCGAG	TCGTA	TCGTT	TCGTC	TCGTG	TCGCA	TCGCT	TCGCC	TCGCG	TCGGA	TCGGT	TCGGC	TCGGG
GA	TGAAA	TGAAT	TGAAC	TGAAG	TGATA	TGATT	TGATC	TGATG	TGACA	TGACT	TGACC	TGACG	TGAGA	TGAGT	TGAGC	TGAGG
GT GC	TGTAA TGCAA	TGTAT TGCAT	TGTAC TGCAC	TGTAG TGCAG	TGTTA TGCTA	TGTTT	TGTTC TGCTC	TGTTG TGCTG	TGTCA TGCCA	TGTCT	TGTCC TGCCC	TGTCG	TGTGA TGCGA	TGTGT TGCGT	TGTGC TGCGC	TGTGG TGCGG
GG	TGGAA	TGGAT	TGGAC	TGGAG	TGGTA	TGGTT	TGGTC	TGGTG	TGGCA	TGGCT	TGGCC	TGGCG	TGGGA	TGGGT	TGGGC	TGGGG
AA	CAAAA	CAAAT	CAAAC	CAAAG	CAATA	CAATT	CAATC	CAATG	CAACA	CAACT	CAACC	CAACG	CAAGA	CAAGT	CAAGC	CAAGG
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	CATGG CACGG
AG	CAGAA	CAGAT	CAGAC	CAGAG	CAGTA	CAGTT	CAGTC	CAGTG	CAGCA	CAGCT	CAGCC	CAGCG	CAGGA	CAGGT	CAGGC	CAGGG
TA	CTAAA	CTAAT	CTAAC	CTAAG	CTATA	CTATT	CTATC	CTATG	CTACA	CTACT	CTACC	CTACG	CTAGA	CTAGT	CTAGC	CTAGG
TT TC	CTTAA CTCAA	CTTAT CTCAT	CTTAC CTCAC	CTTAG CTCAG	CTTTA CTCTA	CTTTT	CTTTC CTCTC	CTTTG CTCTG	CTTCA CTCCA	CTTCT CTCCT	CTTCC	CTTCG CTCCG	CTTGA CTCGA	CTTGT CTCGT	CTTGC CTCGC	CTTGG CTCGG
TG	CTGAA	CTGAT	CTGAC	CTGAG	CTGTA	CTGTT	CTGTC	CTGTG	CTGCA	CTGCT	CTGCC	CTGCG	CTGGA	CTGGT	CTGGC	CTGGG
CA	CCAAA	CCAAT	CCAAC	CCAAG	CCATA	CCATT	CCATC	CCATG	CCACA	CCACT	CCACC	CCACG	CCAGA	CCAGT	CCAGC	CCAGG
CT CC	CCTAA	CCTAT CCCAT	CCCAC	CCTAG CCCAG	CCTTA CCCTA	CCTTT	CCTTC	CCTTG	CCCCA	CCCCT	CCCCC	CCCCG	CCTGA CCCGA	CCTGT	CCTGC	CCCGG
CG	CCGAA	CCGAT	CCGAC	CCGAG	CCGTA	CCGTT	CCGTC	CCGTG	CCGCA	CCGCT	CCGCC	CCGCG	CCGGA	CCGGT	CCGGC	CCGGG
GΑ	CGAAA	CGAAT	CGAAC	CGAAG	CGATA	CGATT	CGATC	CGATG	CGACA	CGACT	CGACC	CGACG	CGAGA	CGAGT	CGAGC	CGAGG
GT GC	CGTAA CGCAA	CGTAT CGCAT	CGTAC CGCAC	CGTAG CGCAG	CGTTA CGCTA	CGTTT	CGTTC CGCTC	CGTTG CGCTG	CGTCA CGCCA	CGTCT	CGTCC	CGTCG CGCCG	CGTGA CGCGA	CGTGT CGCGT	CGTGC CGCGC	CGTGG
GG	CGGAA	CGCAT	CGCAC	CGCAG	CGCTA	CGGTT	CGGTC	CGGTG	CGCCA	CGGCT	CGGCC	CGCCG	CGCGA	CGCGT	CGGGC	CGGGG
AA	GAAAA	GAAAT	GAAAC	GAAAG	GAATA	GAATT	GAATC	GAATG	GAACA	GAACT	GAACC	GAACG	GAAGA	GAAGT	GAAGC	GAAGG
AT AC	GATAA GACAA	GATAT	GATAC	GATAG GACAG	GATTA	GATTT	GATTC	GATTG	GATCA	GATCT GACCT	GATCC	GATCG GACCG	GATGA GACGA	GATGT GACGT	GATGC GACGC	GATGG GACGG
AC AG	GAGAA	GACAT GAGAT	GACAC GAGAC	GAGAG	GACTA GAGTA	GACTT GAGTT	GACTC GAGTC	GACTG GAGTG	GACCA GAGCA		GACCC GAGCC				GAGGC	
TA	GTAAA	GTAAT	GTAAC	GTAAG	GTATA	GTATT	GTATC	GTATG	GTACA	GTACT	GTACC	GTACG	GTAGA	GTAGT	GTAGC	GTAGG
TT	GTTAA	GTTAT	GTTAC	GTTAG	GTTTA	GTTTT	GTTTC	GTTTG	GTTCA	GTTCT	GTTCC	GTTCG	GTTGA	GTTGT	GTTGC	GTTGG
TC TG	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
CA	GCAAA	GCAAT	GCAAC	GCAAG	GCATA	GCATT	GCATC	GCATG	GCACA	GCACT	GCACC	GCACG	GCAGA	GCAGT	GCAGC	GCAGG
СТ	GCTAA	GCTAT	GCTAC	GCTAG	GCTTA	GCTTT	GCTTC	GCTTG	GCTCA	GCTCT	GCTCC	GCTCG	GCTGA	GCTGT	GCTGC	GCTGG
00	GCCAA	GCCAT	GCCAC	GCCAG	GCCTA	GCCTT	GCCTC	GCCTG	GCCCA	GCCCT	GCCCC	GCCCG	GCCGA	GCCGT	GCCGC	GCCGG
CG 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	GCGGG GGAGG
GT	GGTAA	GGTAT	GGTAC	GGTAG	GGTTA	GGTTT	GGTTC	GGTTG	GGTCA	GGTCT	GGTCC	GGTCG	GGTGA	GGTGT	GGTGC	GGTGG
GC GG	GGCAA GGGAA	GGCAT GGGAT	GGCAC GGGAC	GGCAG GGGAG	GGCTA GGGTA	GGCTT GGGTT	GGCTC GGGTC	GGCTG GGGTG	GGCCA GGGCA	GGCCT GGGCT	GGCCC GGGCC	GGCCG GGGCG	GGCGA GGGGA	GGCGT GGGGT	GGCGC GGGGC	GGCGG GGGGG