













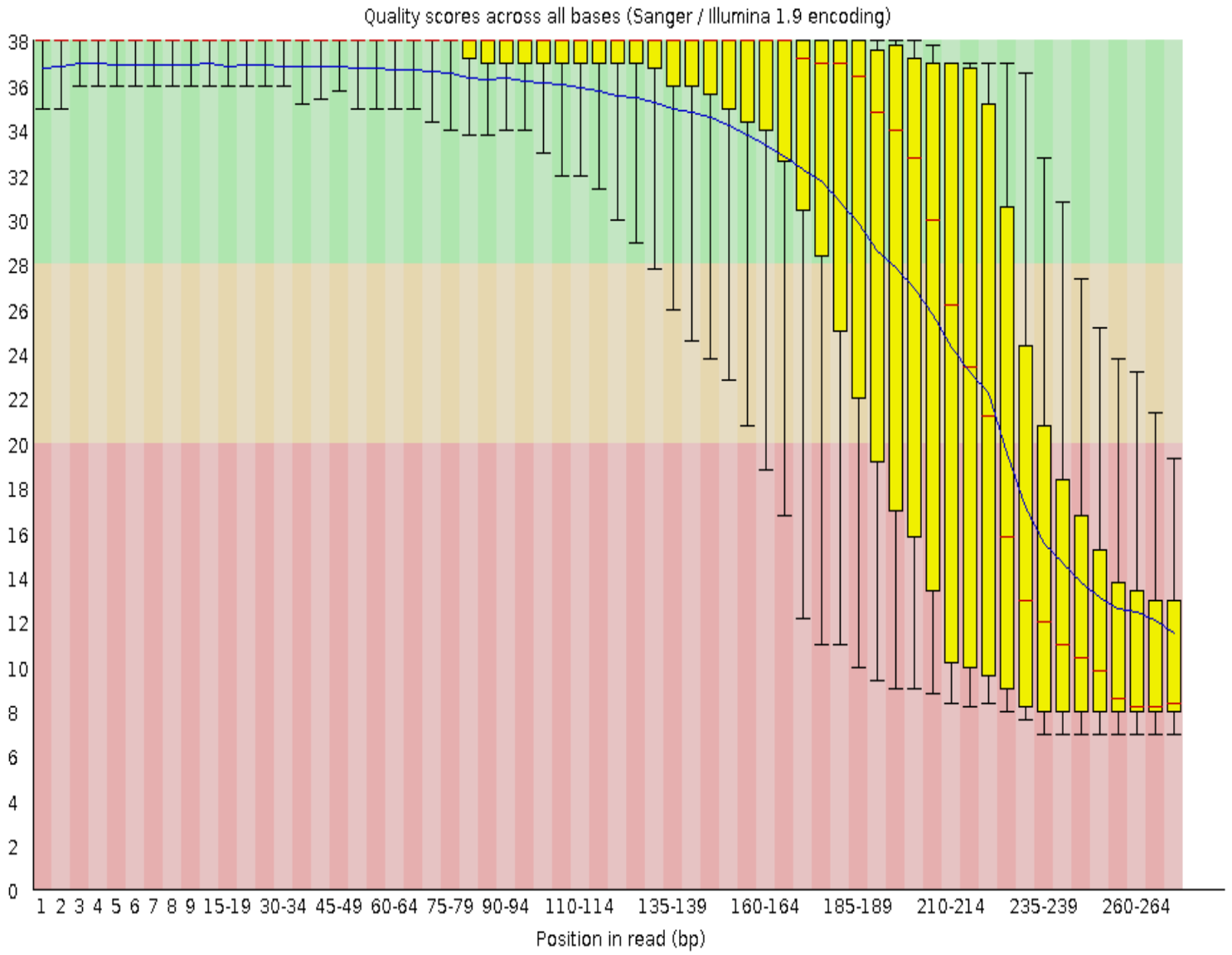
## Summary

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## Basic Statistics

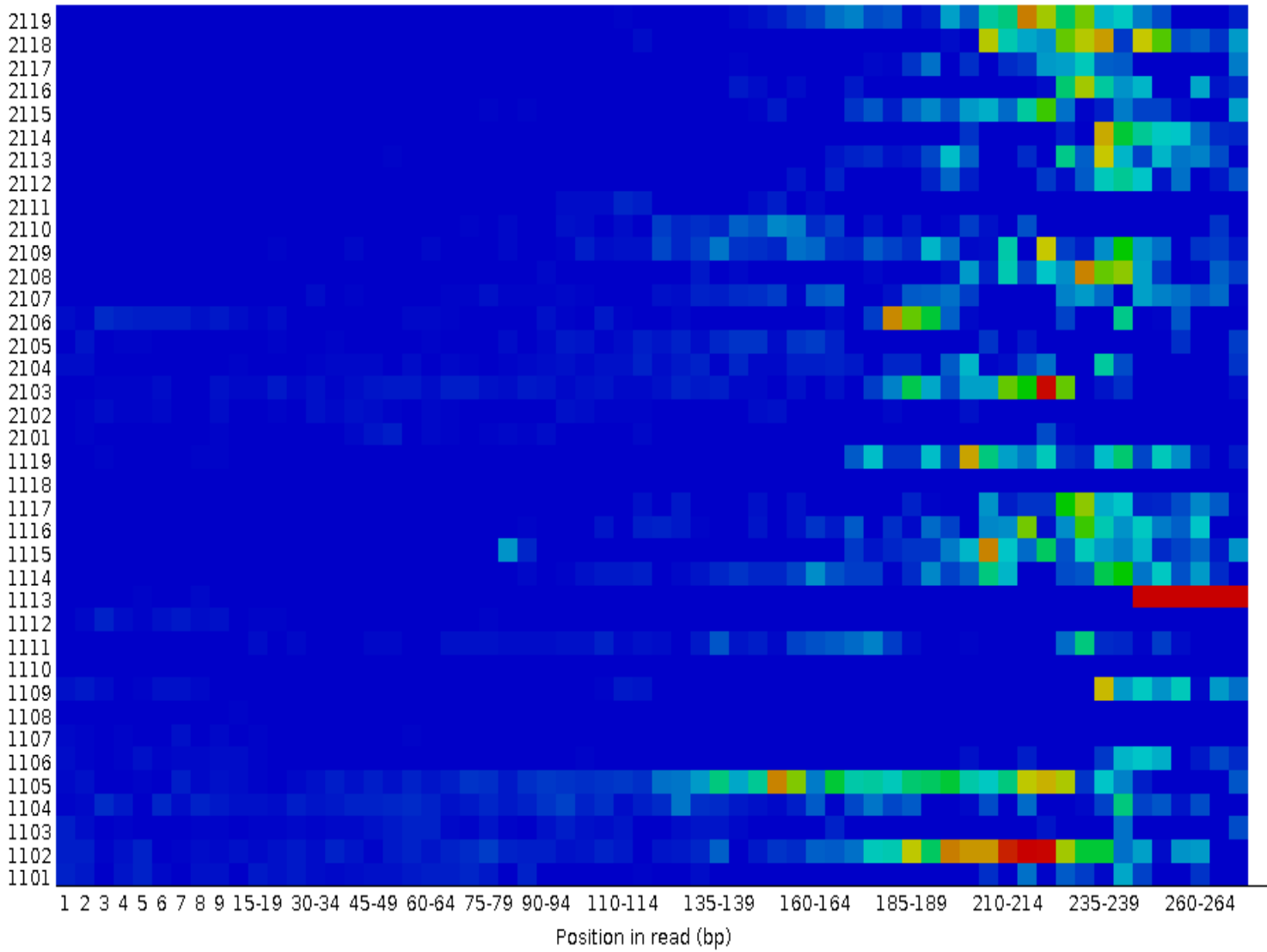
Measure	Value
Filename	lucigen_mp_dupRemoved_R1.fastq
File type	Conventional base calls
Encoding	Sanger / Illumina 1.9
Total Sequences	89856
Sequences flagged as poor quality	0
Sequence length	26-272
%GC	41

## Per base sequence quality



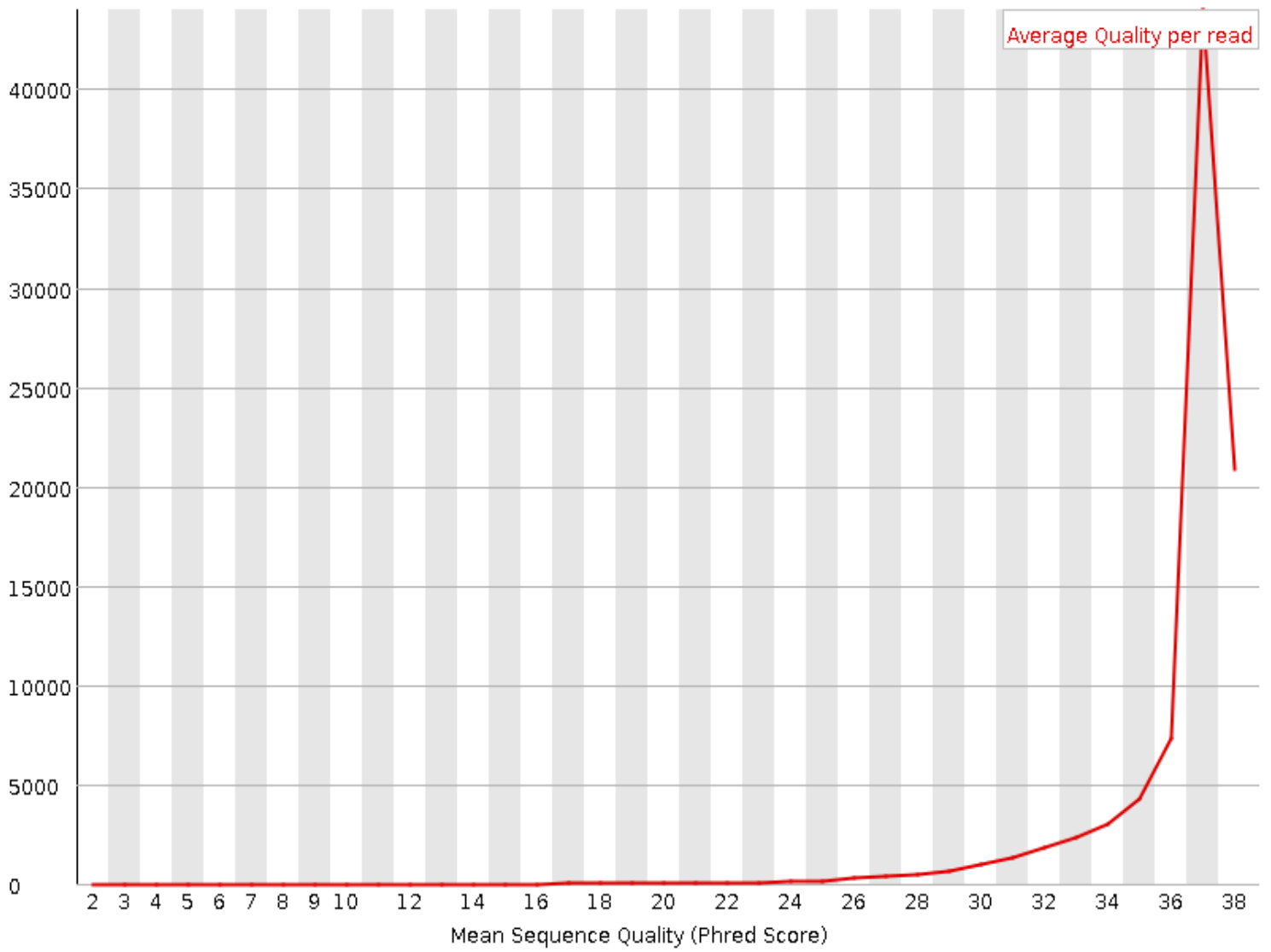
 **Per tile sequence quality**

Quality per tile



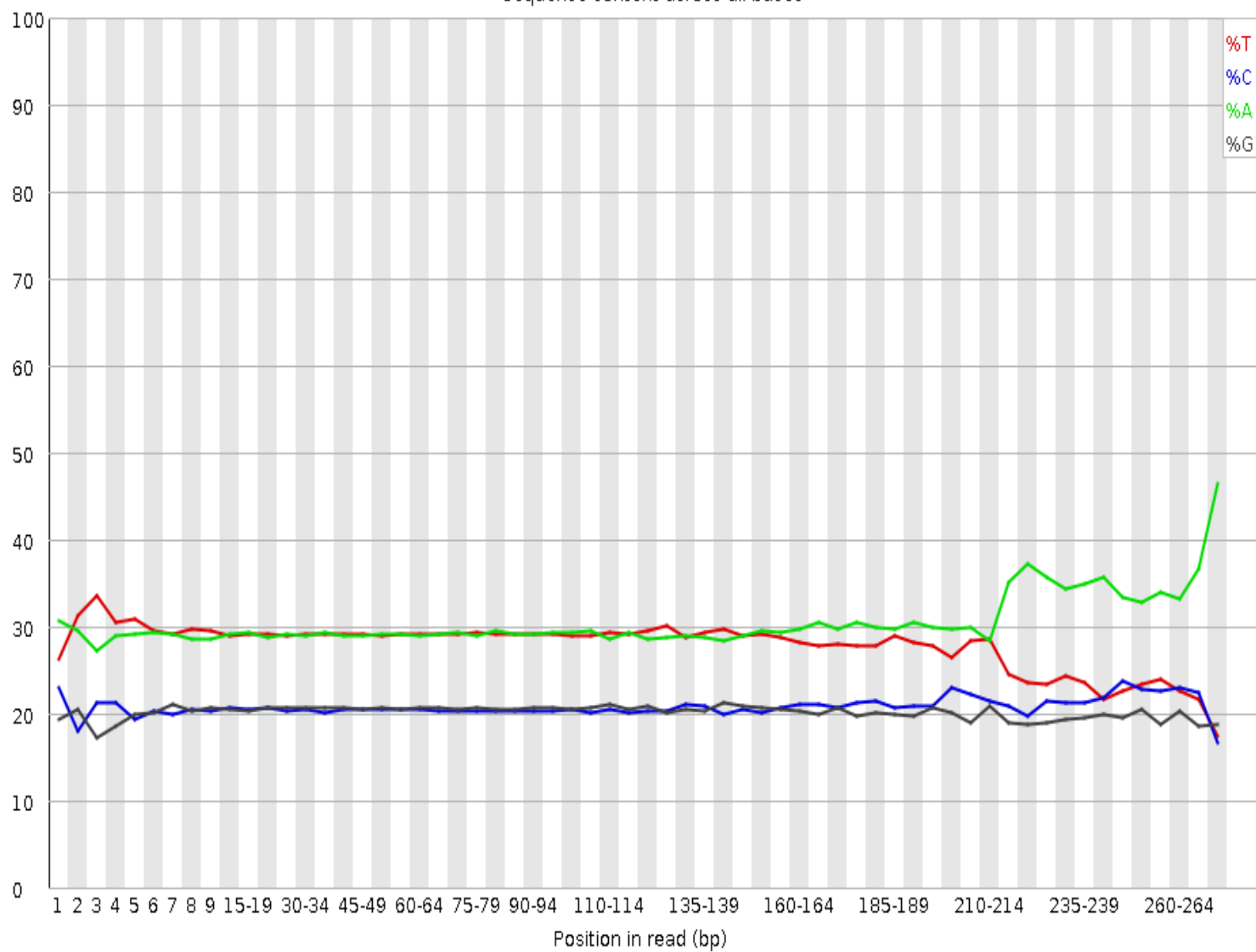
 **Per sequence quality scores**

Quality score distribution over all sequences



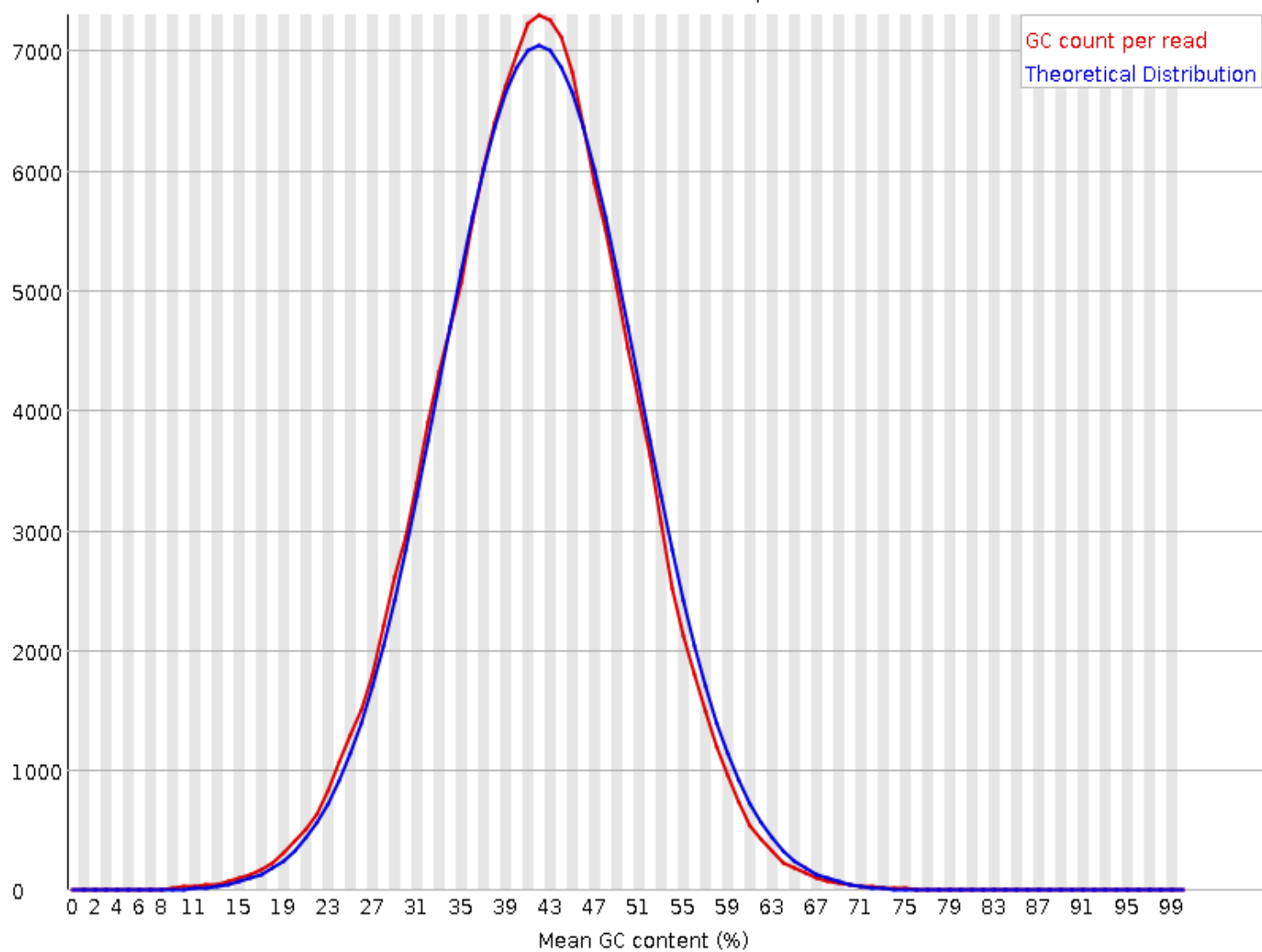
 **Per base sequence content**

Sequence content across all bases



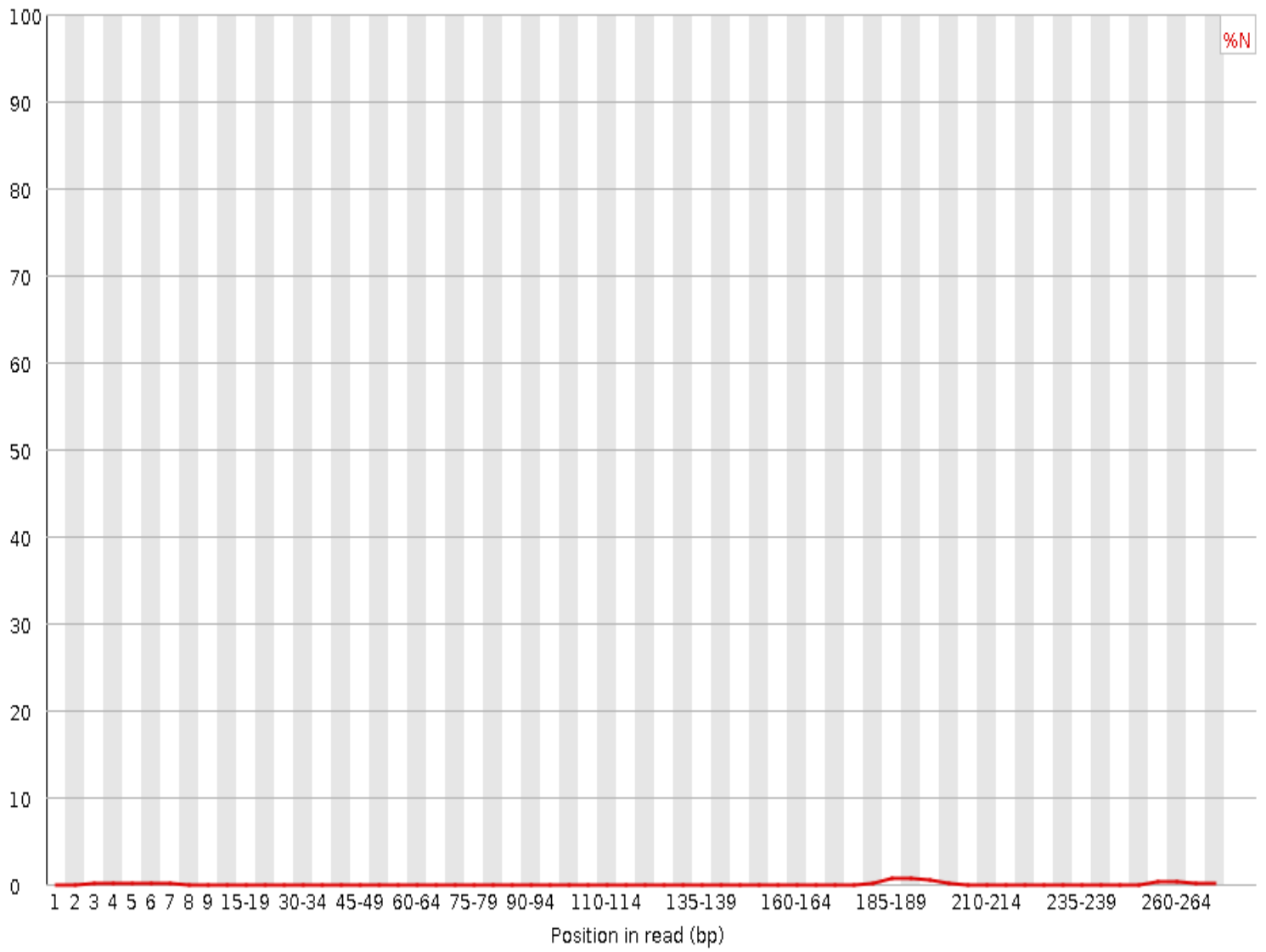
 **Per sequence GC content**

GC distribution over all sequences



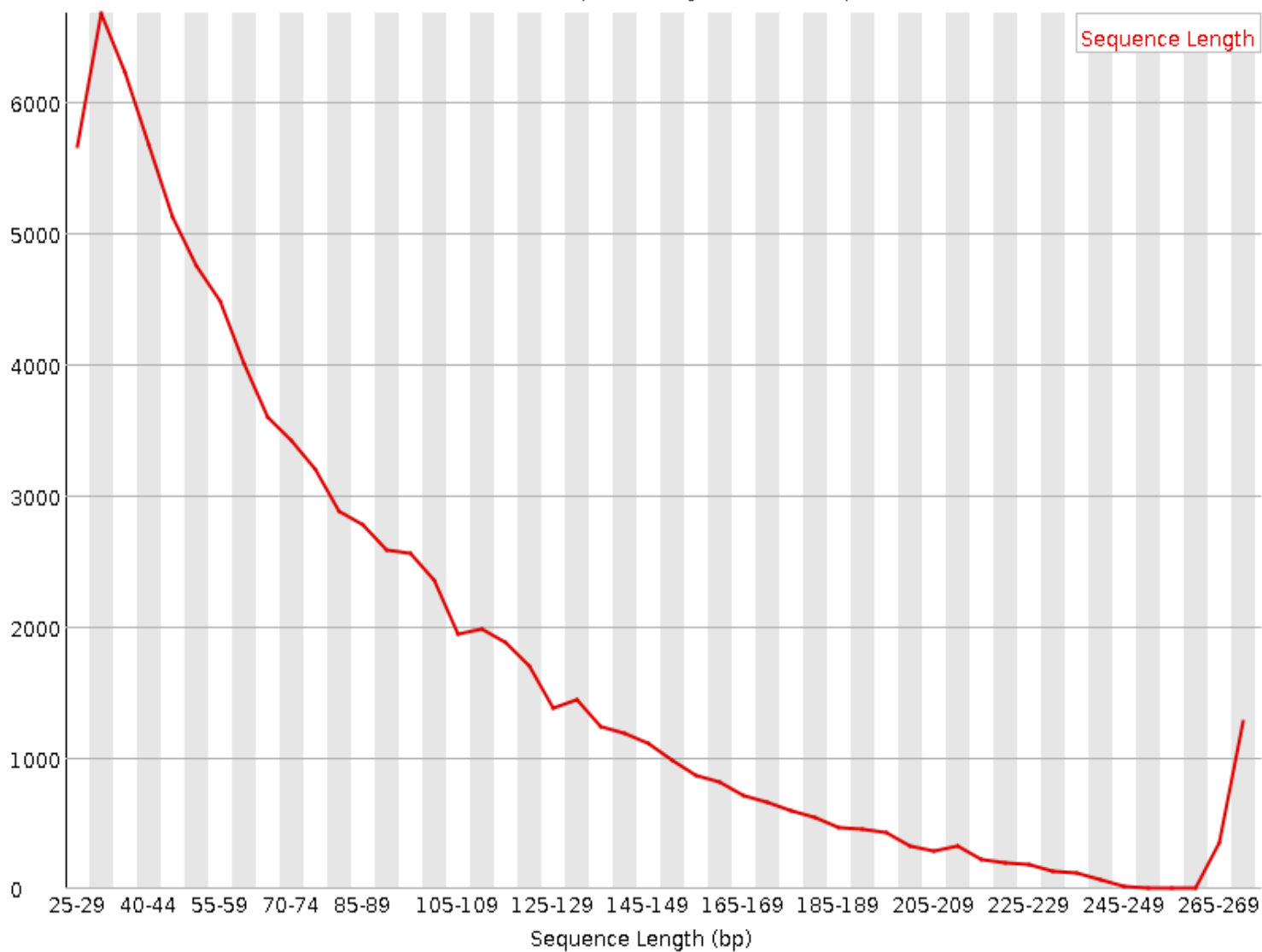
**Per base N content**

N content across all bases



## ! Sequence Length Distribution

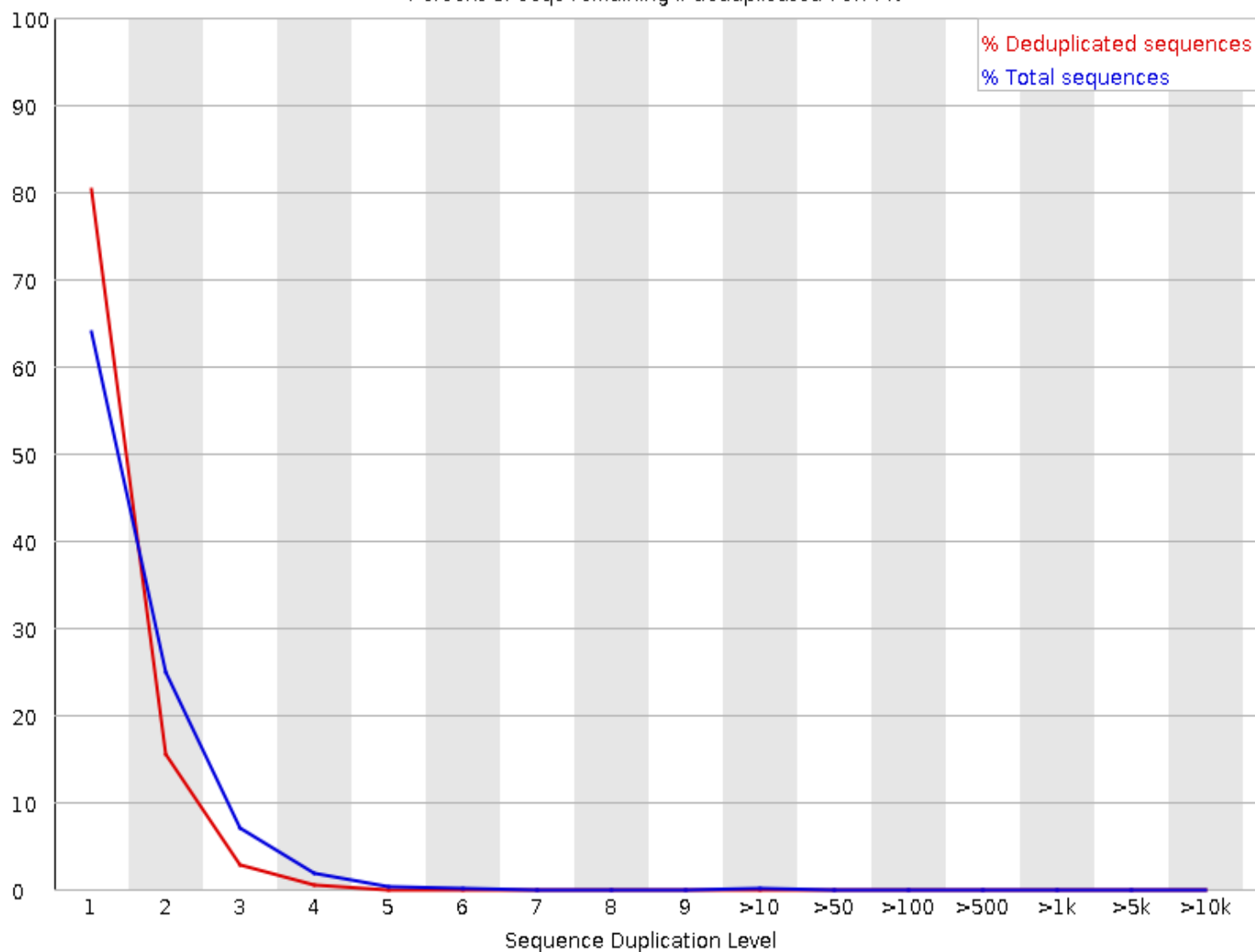
Distribution of sequence lengths over all sequences



## ✔ Sequence Duplication Levels



Percent of seqs remaining if deduplicated 79.77%

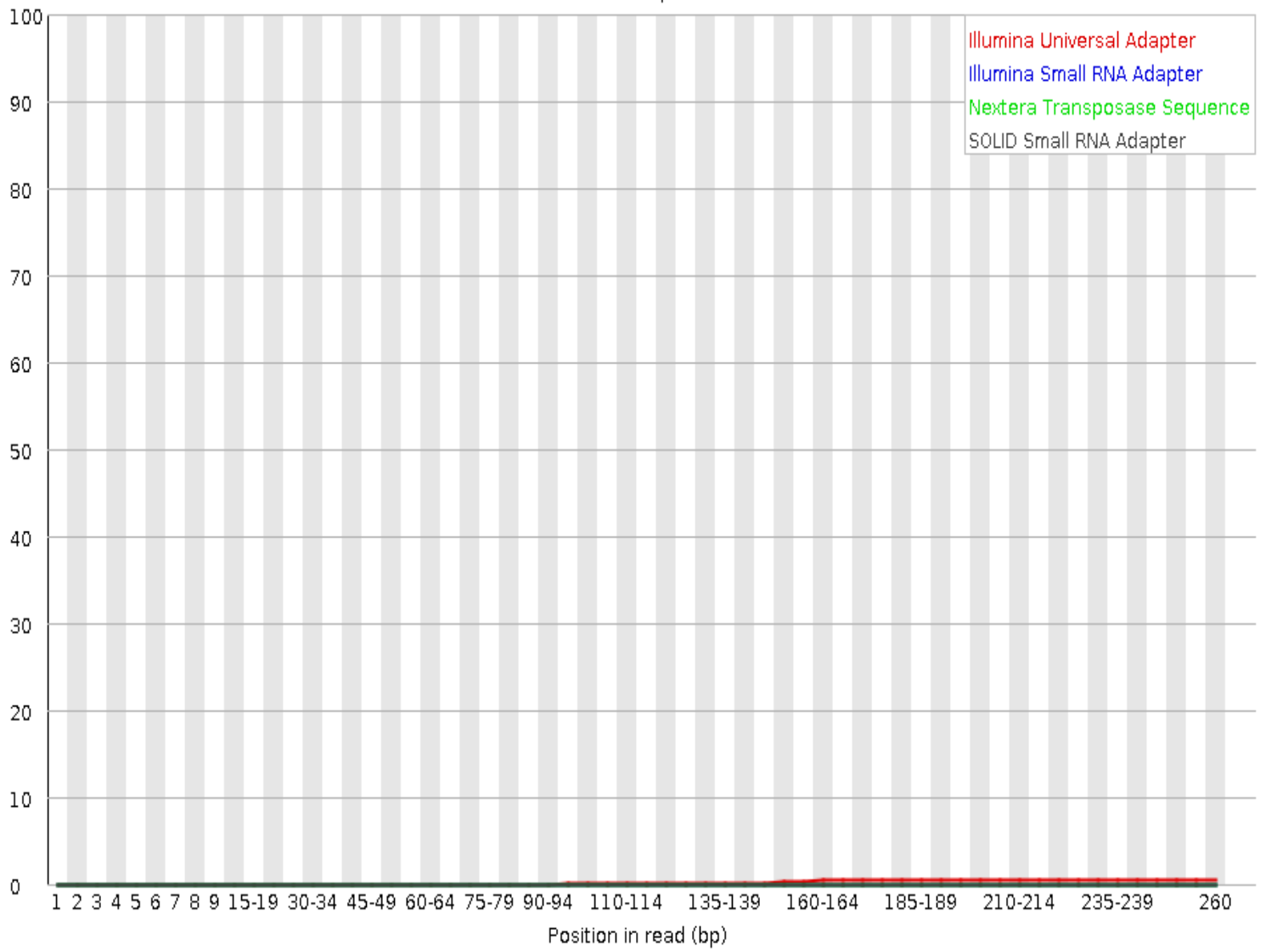


## ⚠ Overrepresented sequences

Sequence	Count	Percentage	Possible Source
TCAGGCCTGACGATGAACCCCTTTCGCCCGGGCTAATTAGTGGGGCTGGA	151	0.16804665242165243	No Hit

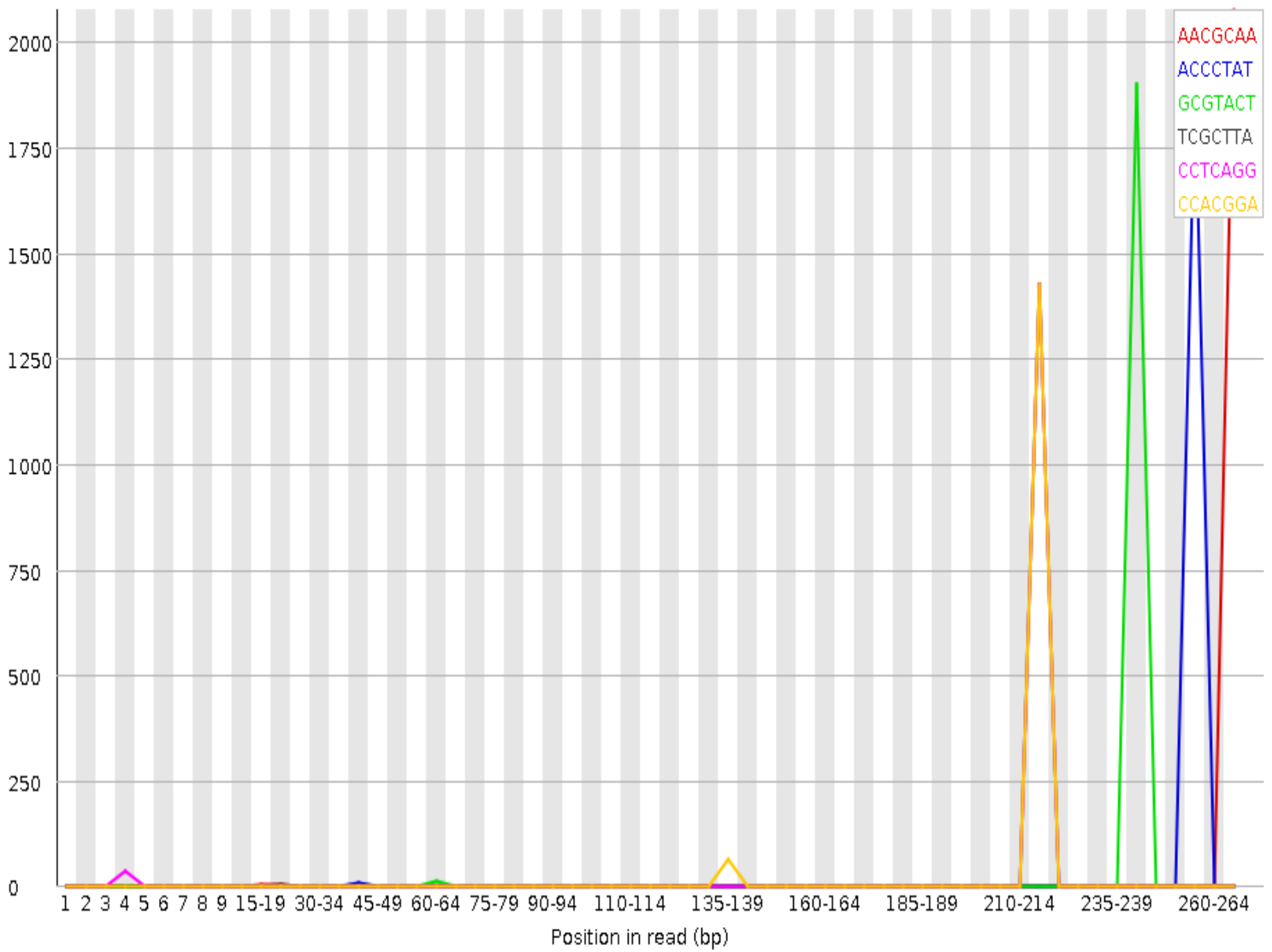
## ✅ Adapter Content

% Adapter



## ! Kmer Content

Log2 Obs/Exp



Sequence	Count	PValue	Obs/Exp Max	Max Obs/Exp Position
AACGCAA	15	0.0018142097	2075.803	265-266
ACCCTAT	10	0.0021989564	1902.8193	255-259
GCGTACT	10	0.0021989564	1902.8193	240-244
TCGCTTA	10	0.003936719	1427.1146	215-219
CCTCAGG	10	0.003936719	1427.1146	215-219
CCACGGA	10	0.003936719	1427.1146	215-219
TAATCCG	10	0.0044496194	1343.1667	210-214
AGATCGC	15	0.0049468335	1268.5463	240-244
AGAACGC	15	0.0049468335	1268.5463	245-249
GTACTION	15	0.005519877	1201.7806	235-239
AACACCC	15	0.005519877	1201.7806	235-239
GGGGAGT	15	0.0061242934	1141.6917	230-234
GTCCCCG	15	0.0061242934	1141.6917	230-234

CGTCAAA	30	0.0072547207	1037.9015	265-266
ACGAAGG	30	0.0072547207	1037.9015	265-266
TAACCAG	10	0.008918355	951.40967	195-199
CGTACTC	10	0.008918355	951.40967	240-244
GCAGGGT	10	0.008918355	951.40967	250-254
TCGAGAC	20	0.008792915	951.40967	245-249
GGCCTGT	20	0.008792915	951.40967	260-264

Produced by [FastQC](#) (version 0.11.3)