












FastQC FastQC Report

Tue 5 May 2015
SW018_TAGTTCC_L001_R2_001.fastq.gz

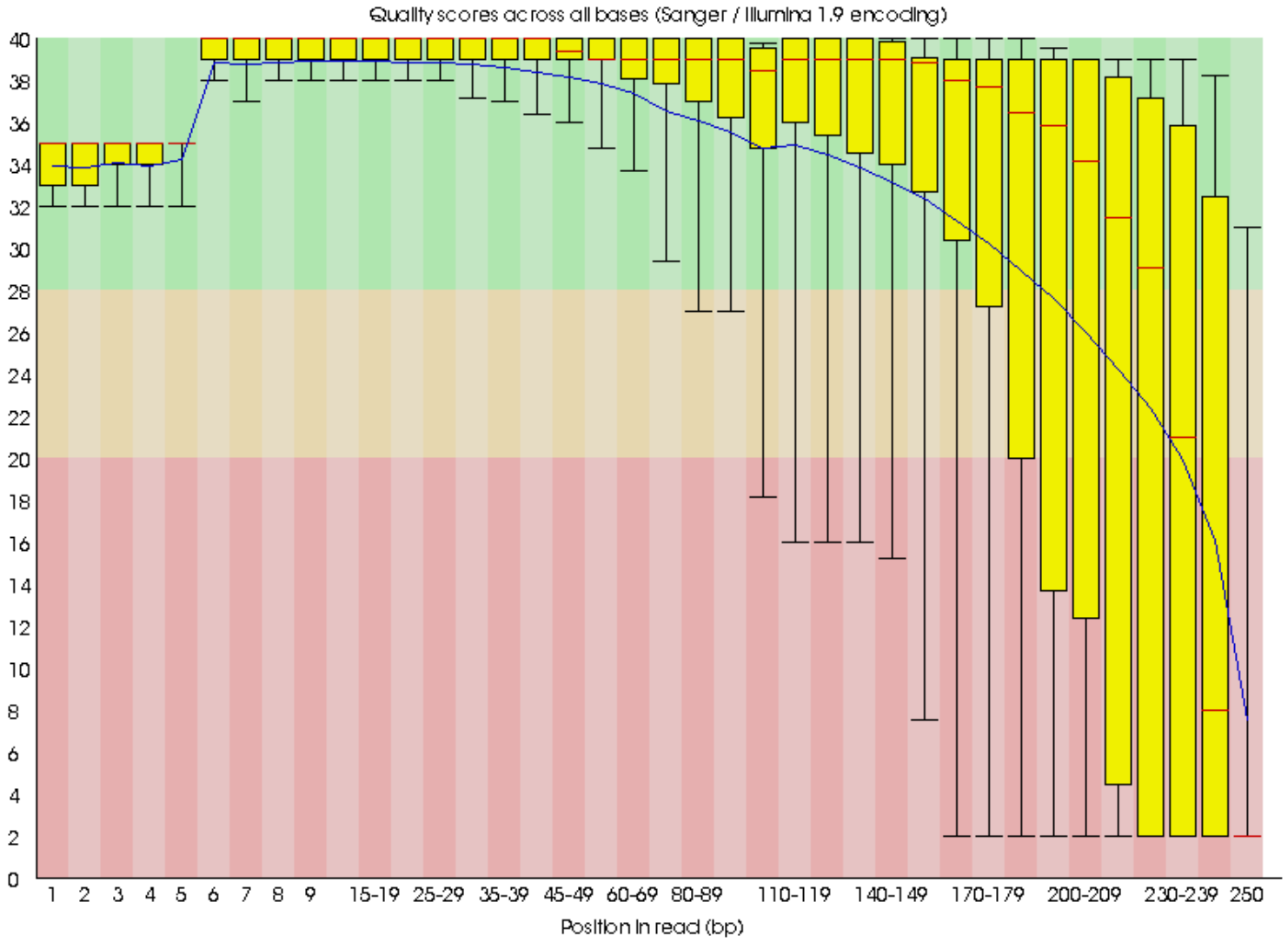
Summary

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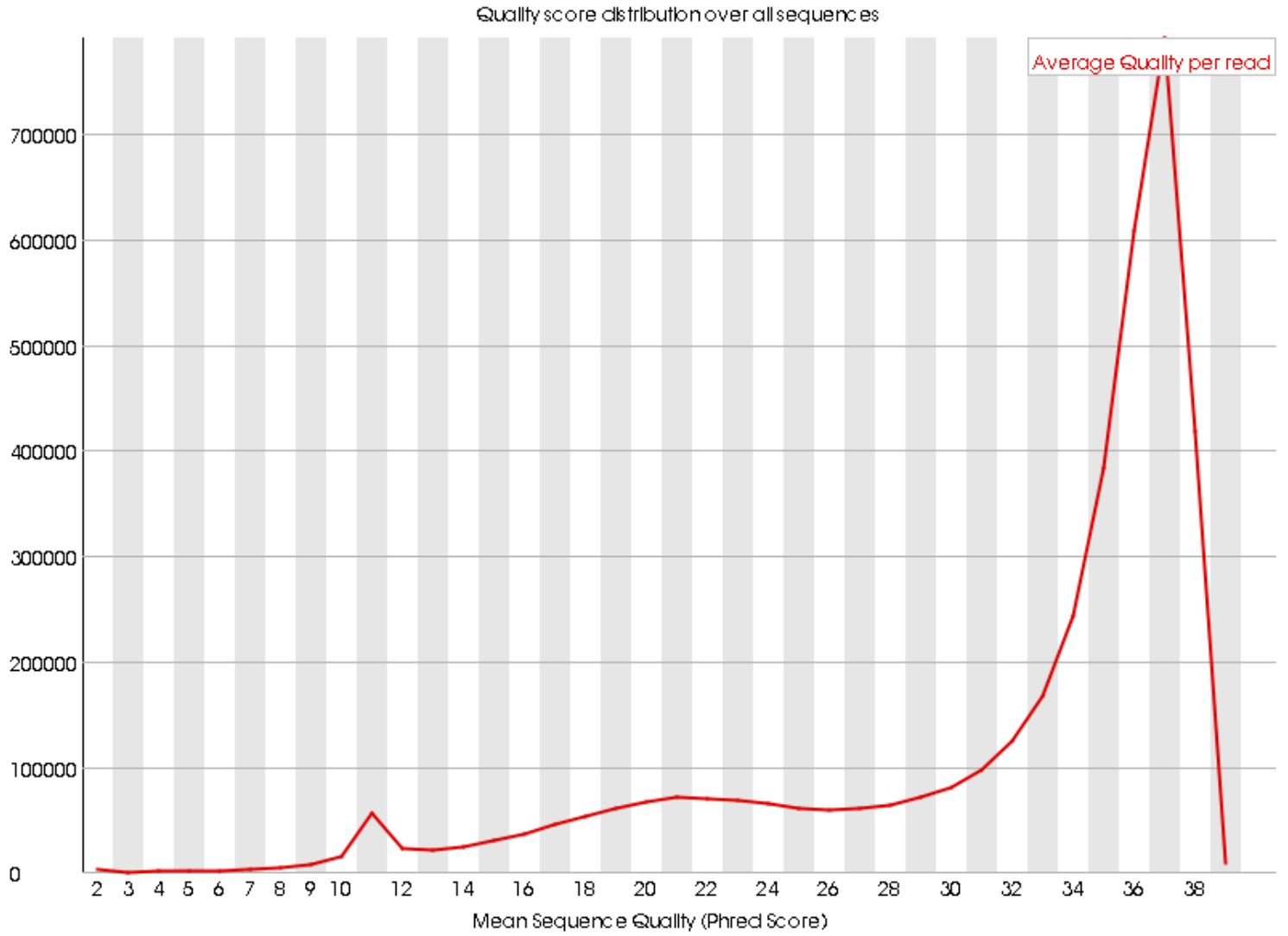
Basic Statistics

| Measure | Value |
|--------------------|------------------------------------|
| Filename | SW018_TAGTTCC_L001_R2_001.fastq.gz |
| File type | Conventional base calls |
| Encoding | Sanger / Illumina 1.9 |
| Total Sequences | 4000000 |
| Filtered Sequences | 0 |
| Sequence length | 250 |
| %GC | 44 |

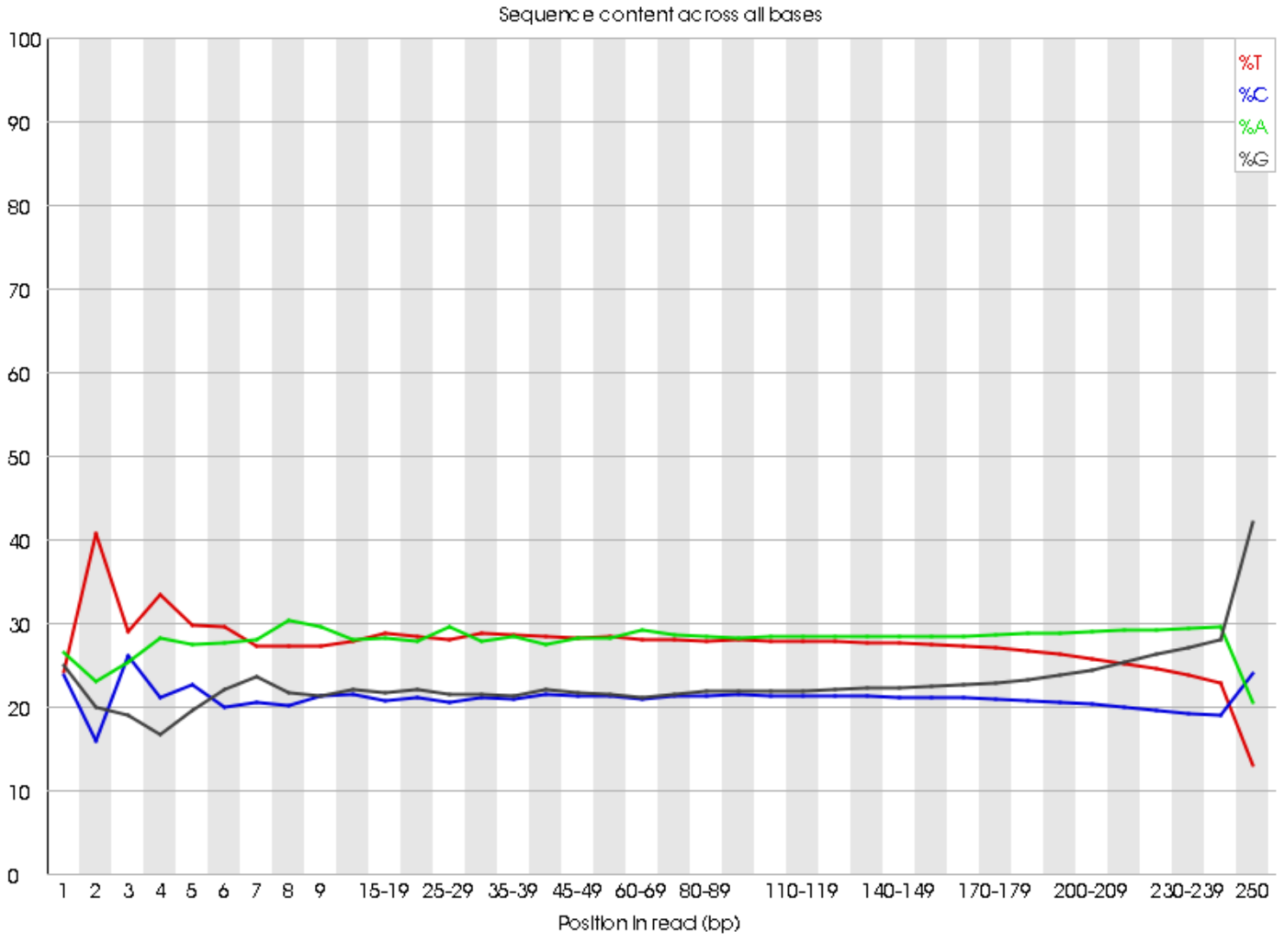
Per base sequence quality



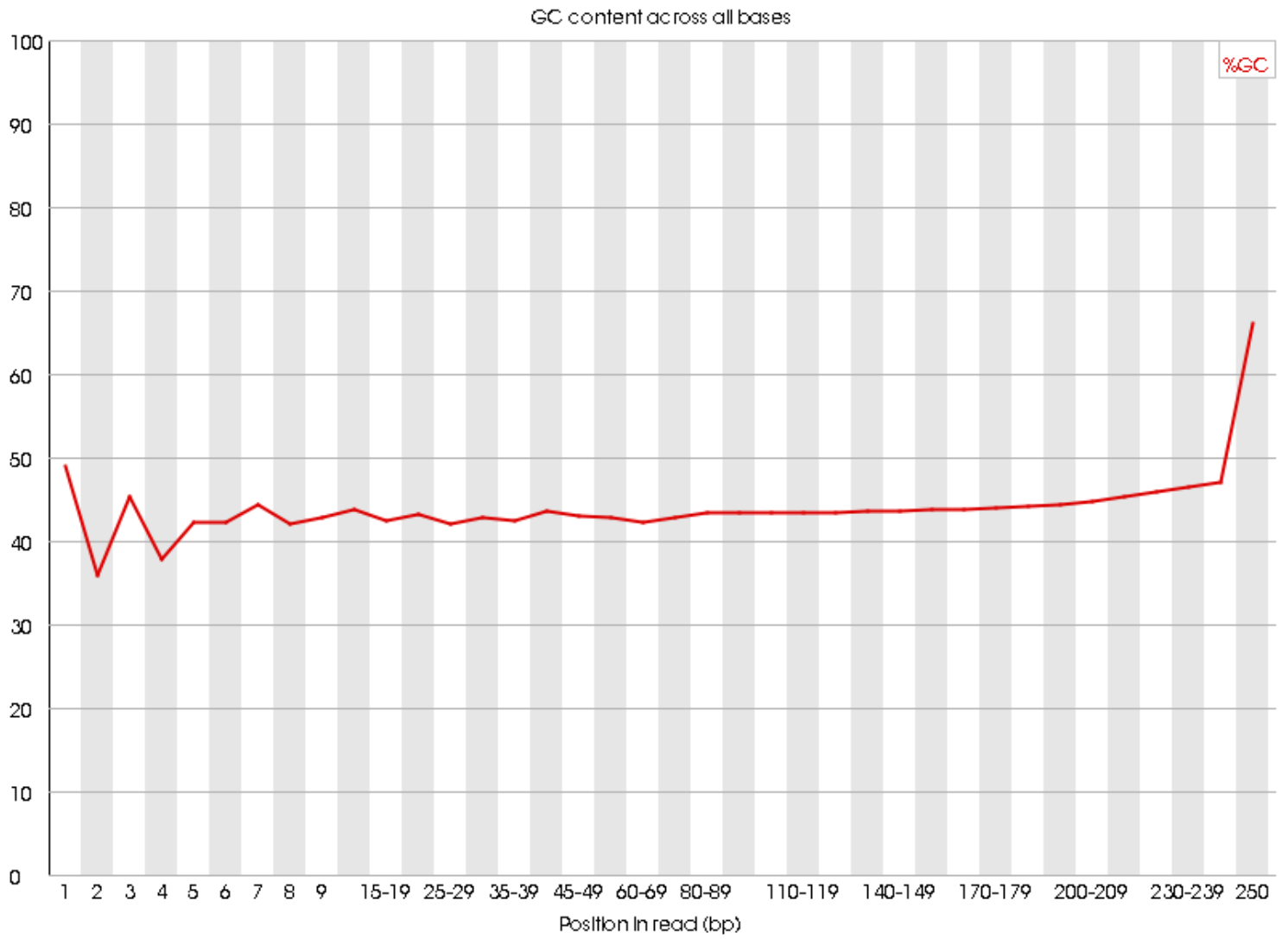
 **Per sequence quality scores**



 **[FAIL] Per base sequence content**

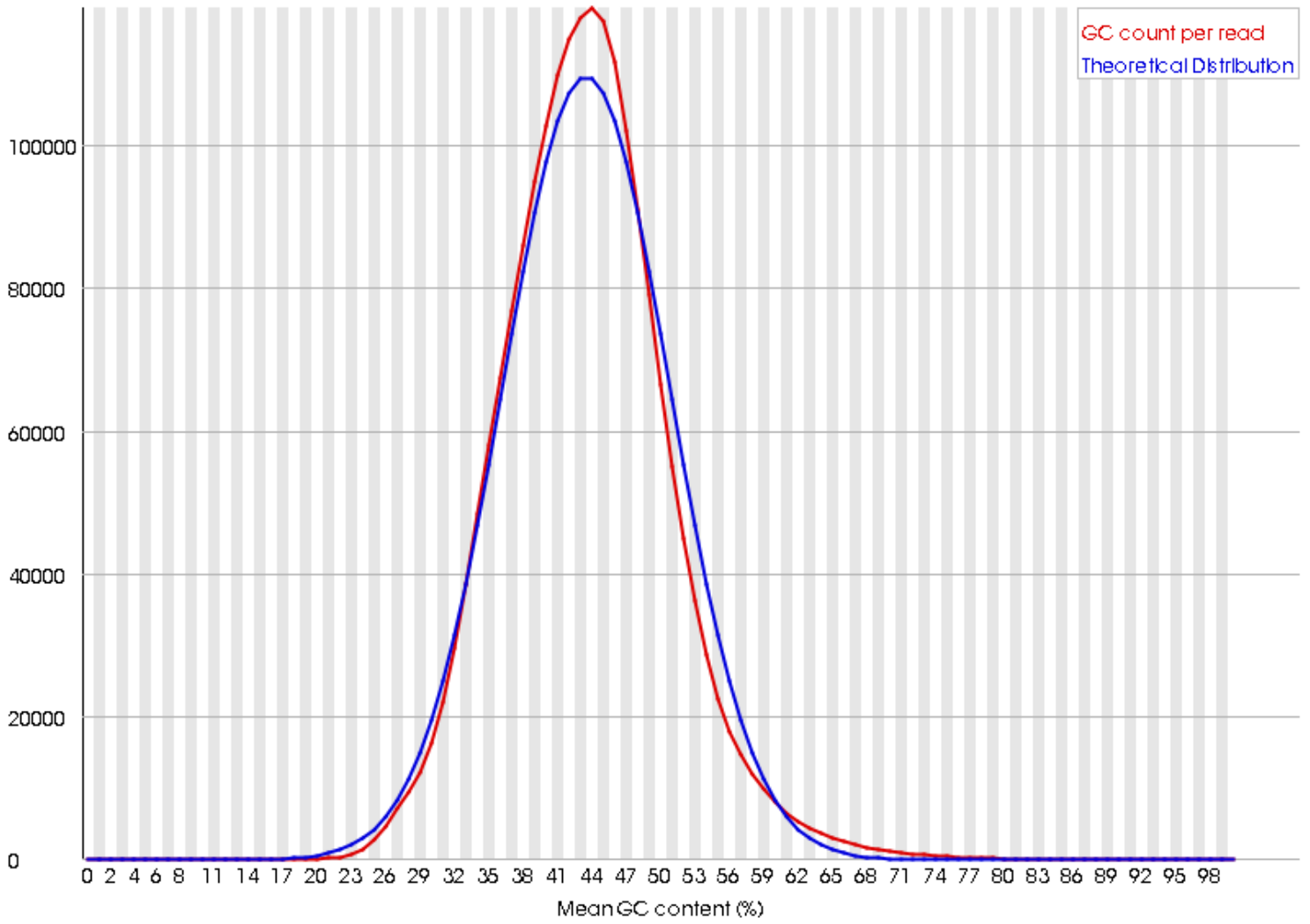


 [FAIL] Per base GC content



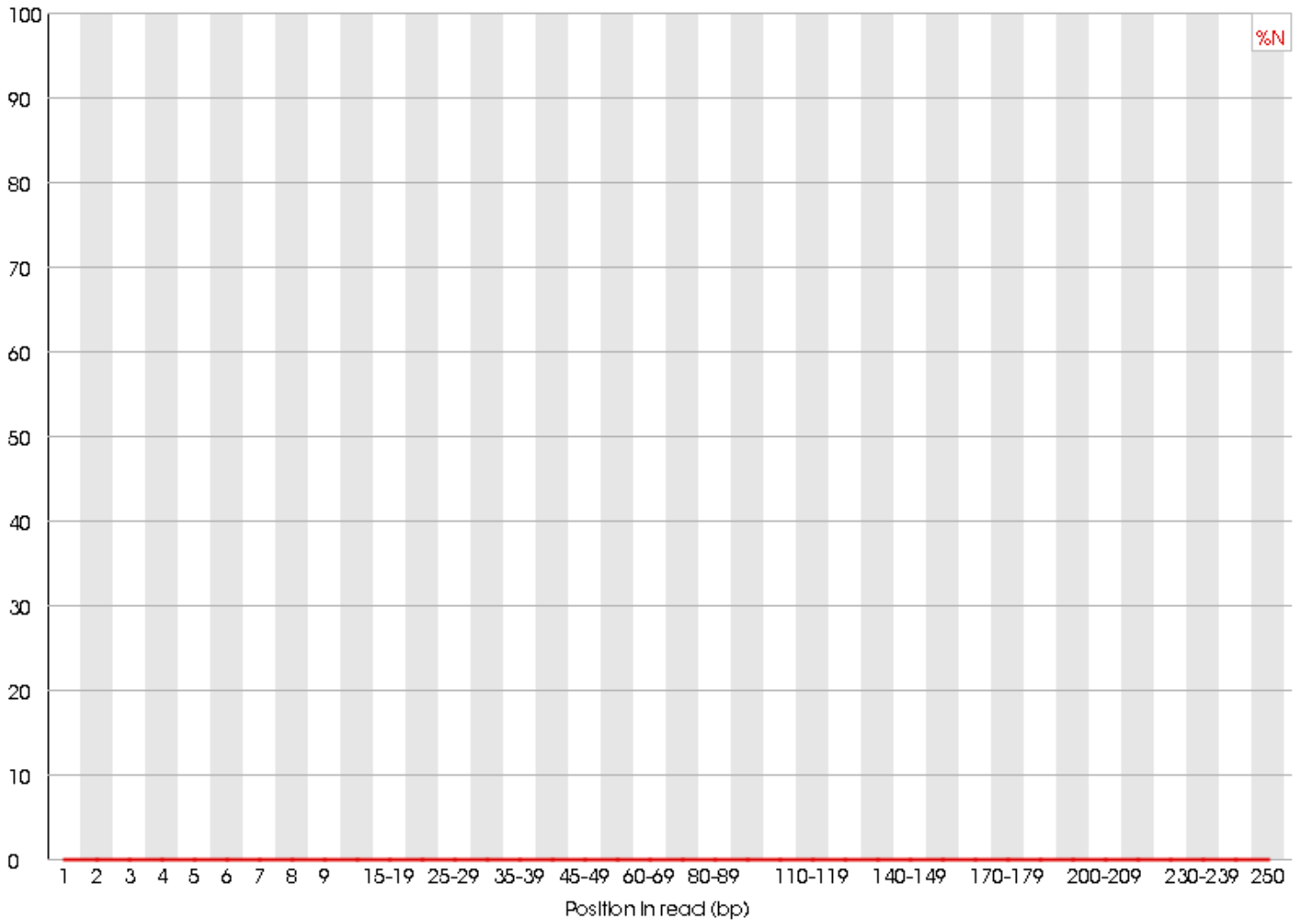
 **Per sequence GC content**

GC distribution over all sequences

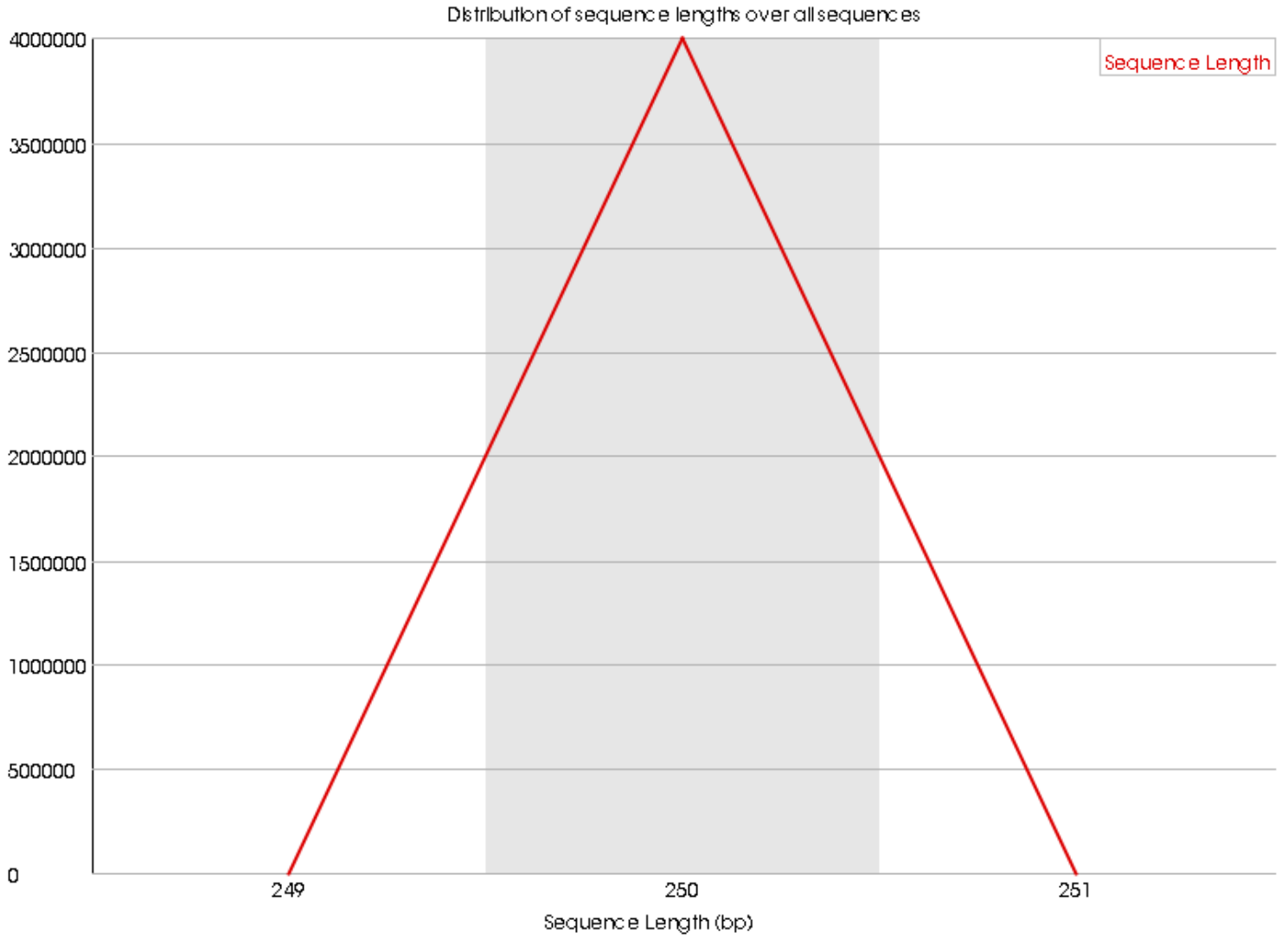


 **Per base N content**

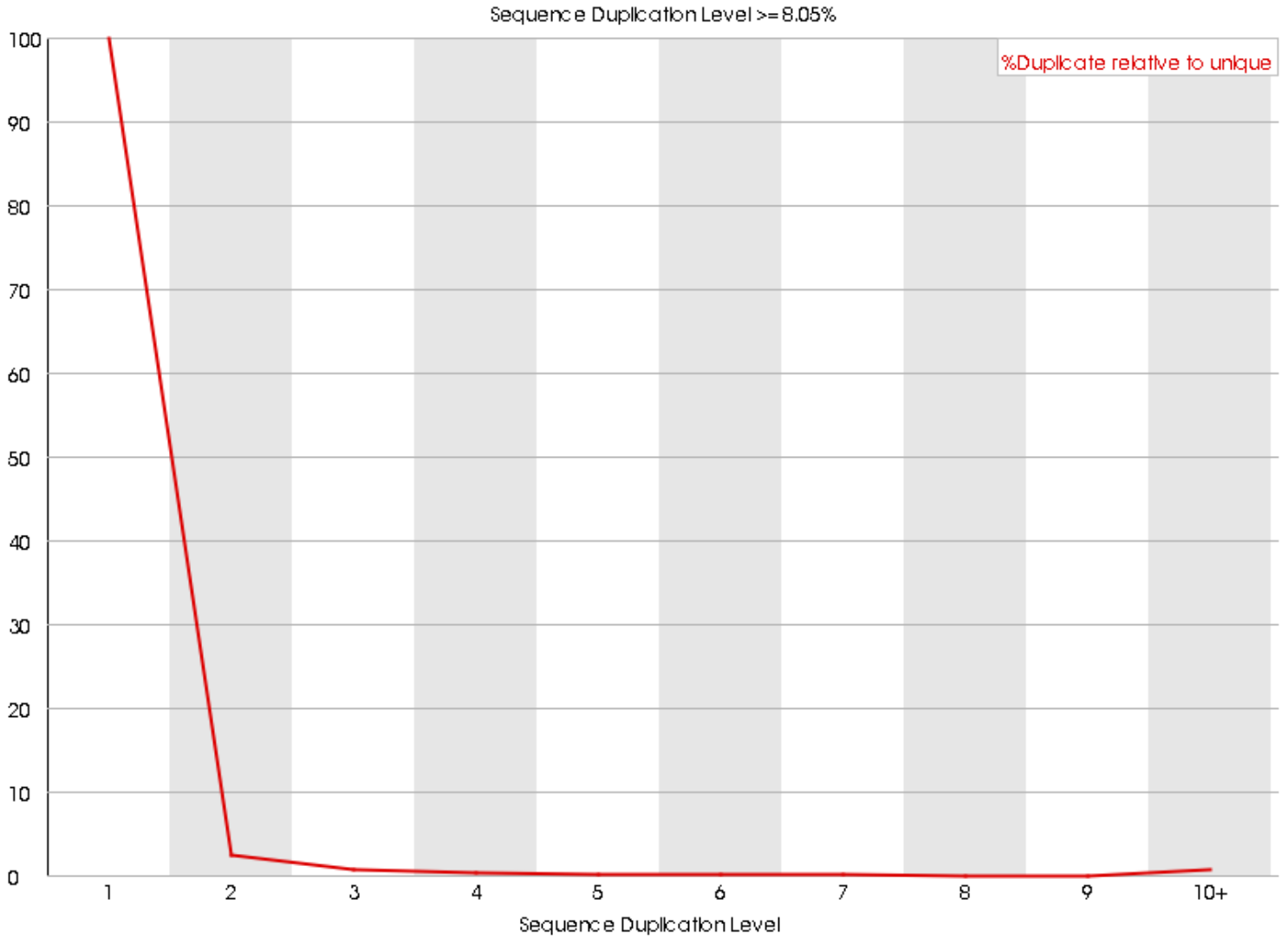
N content across all bases



 **Sequence Length Distribution**



 **Sequence Duplication Levels**

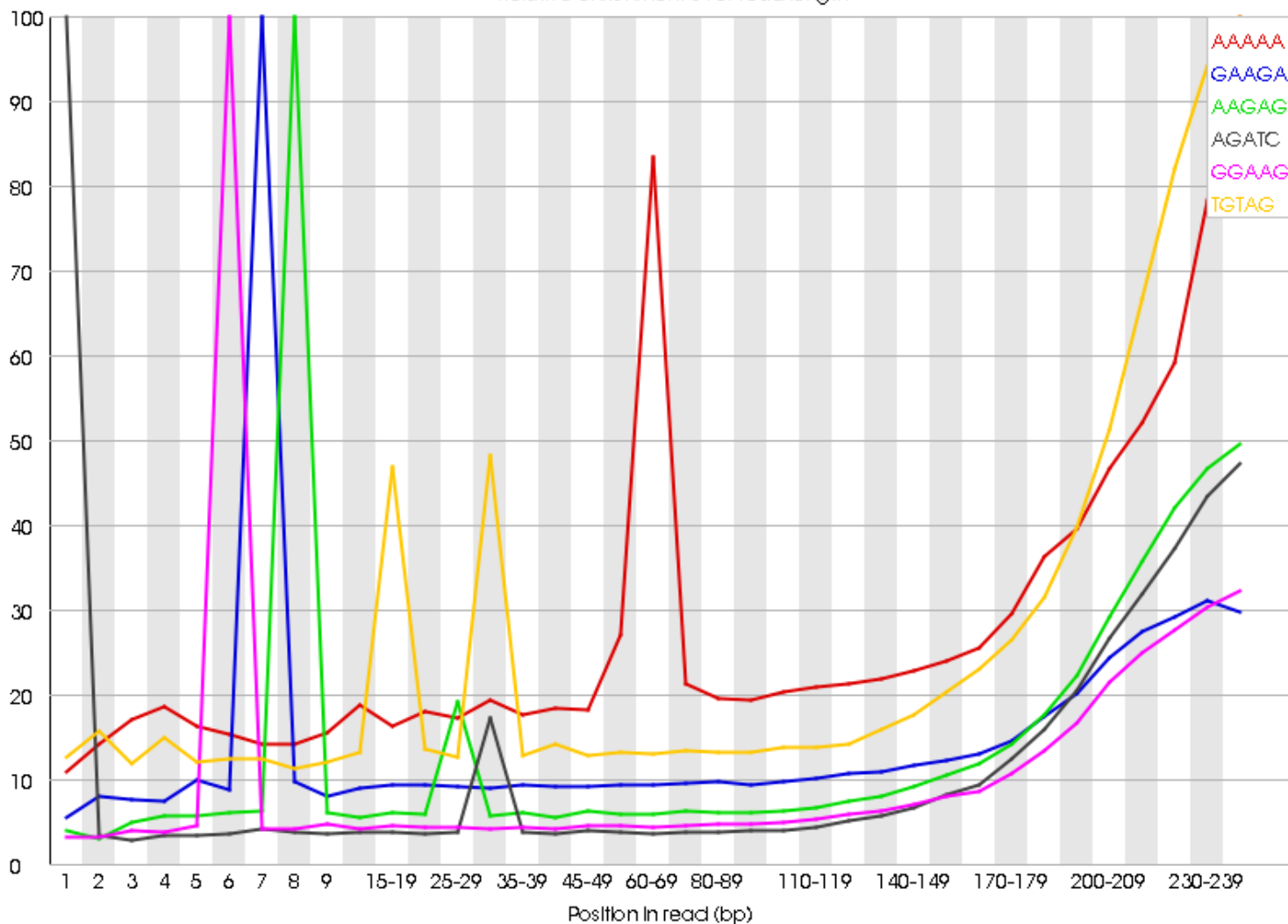


[FAIL] Overrepresented sequences

| Sequence | Count | Percentage | Possible Source |
|--|-------|------------|---|
| AGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGTAGATCTCGGTGGTCGCC | 63229 | 1.580725 | Illumina Single End PCR Primer 1 (100% over 50bp) |

[WARN] Kmer Content

Relative enrichment over read length



| Sequence | Count | Obs/Exp Overall | Obs/Exp Max | Max Obs/Exp Position |
|----------|---------|-----------------|-------------|----------------------|
| AAAAA | 5824545 | 3.0493348 | 9.058242 | 240-246 |
| GAAGA | 3704325 | 2.9885557 | 19.958063 | 7 |
| AAGAG | 3701330 | 2.9861393 | 19.298948 | 8 |
| AGATC | 3041035 | 2.8460078 | 21.74752 | 1 |
| GGAAG | 2598445 | 2.602378 | 23.587645 | 6 |
| TGTAG | 2847880 | 2.550857 | 8.375624 | 240-246 |
| CTCTC | 1682425 | 2.4961674 | 6.1762357 | 1 |
| TCTTC | 2151865 | 2.4614904 | 6.6981616 | 2 |
| TCTCT | 2143585 | 2.4520192 | 5.483768 | 2 |
| GTGTA | 2715615 | 2.432387 | 7.851431 | 230-239 |
| AGAGC | 2201955 | 2.4278486 | 25.59327 | 9 |
| GGTGG | 1847245 | 2.4198694 | 7.095819 | 240-246 |
| GAGCG | 1725780 | 2.3621264 | 8.817686 | 240-246 |
| GCGTC | 1471335 | 2.3361013 | 8.81792 | 240-246 |

| | | | | |
|-------|---------|-----------|-----------|---------|
| CGTCG | 1420295 | 2.2550628 | 8.837727 | 240-246 |
| GATCG | 1940280 | 2.2541542 | 26.586899 | 2 |
| TCGGA | 1814785 | 2.1083584 | 26.631886 | 4 |
| ATCGG | 1806430 | 2.0986516 | 26.568623 | 3 |
| CGGAA | 1887815 | 2.0814815 | 25.292553 | 5 |
| AGGGA | 1971785 | 1.9747694 | 5.619742 | 230-239 |
| CGTGT | 1593450 | 1.95058 | 5.8437877 | 230-239 |
| GAGTG | 1838630 | 1.940248 | 5.181735 | 240-246 |
| GTCGT | 1565870 | 1.9168187 | 5.898888 | 230-239 |
| TGGTC | 1551165 | 1.8988181 | 5.239773 | 40-44 |
| GGGAA | 1888135 | 1.8909928 | 6.040241 | 240-246 |
| TCGTG | 1525785 | 1.8677497 | 6.010229 | 240-246 |
| AGCGT | 1562450 | 1.8152038 | 6.1520553 | 230-239 |
| GTAGG | 1703840 | 1.7980084 | 6.496637 | 240-246 |
| TAGGG | 1575035 | 1.6620845 | 5.780597 | 240-246 |
| TCTCG | 1167055 | 1.5727981 | 5.5849066 | 240-246 |
| CGCCG | 743365 | 1.5308654 | 6.98536 | 240-246 |
| TCGCC | 872080 | 1.5243783 | 6.191694 | 45-49 |
| CTCGG | 956855 | 1.5192394 | 6.740227 | 240-246 |
| CTCTT | 1319530 | 1.5093933 | 5.9071393 | 1 |
| CTTCC | 981665 | 1.4564692 | 5.0520525 | 3 |
| CGGTG | 1005945 | 1.4507682 | 6.1058807 | 240-246 |
| GTCGC | 900720 | 1.4301115 | 5.596373 | 45-49 |
| GGTCG | 990850 | 1.4289981 | 5.725799 | 240-246 |
| GCCGT | 784315 | 1.2452904 | 5.553805 | 45-49 |

Produced by [FastQC](#) (version 0.10.1)