












# FastQC Report

Wed 19 Dec 2012  
174gm\_A\_NoIndex\_L006\_R1.fastq.gz

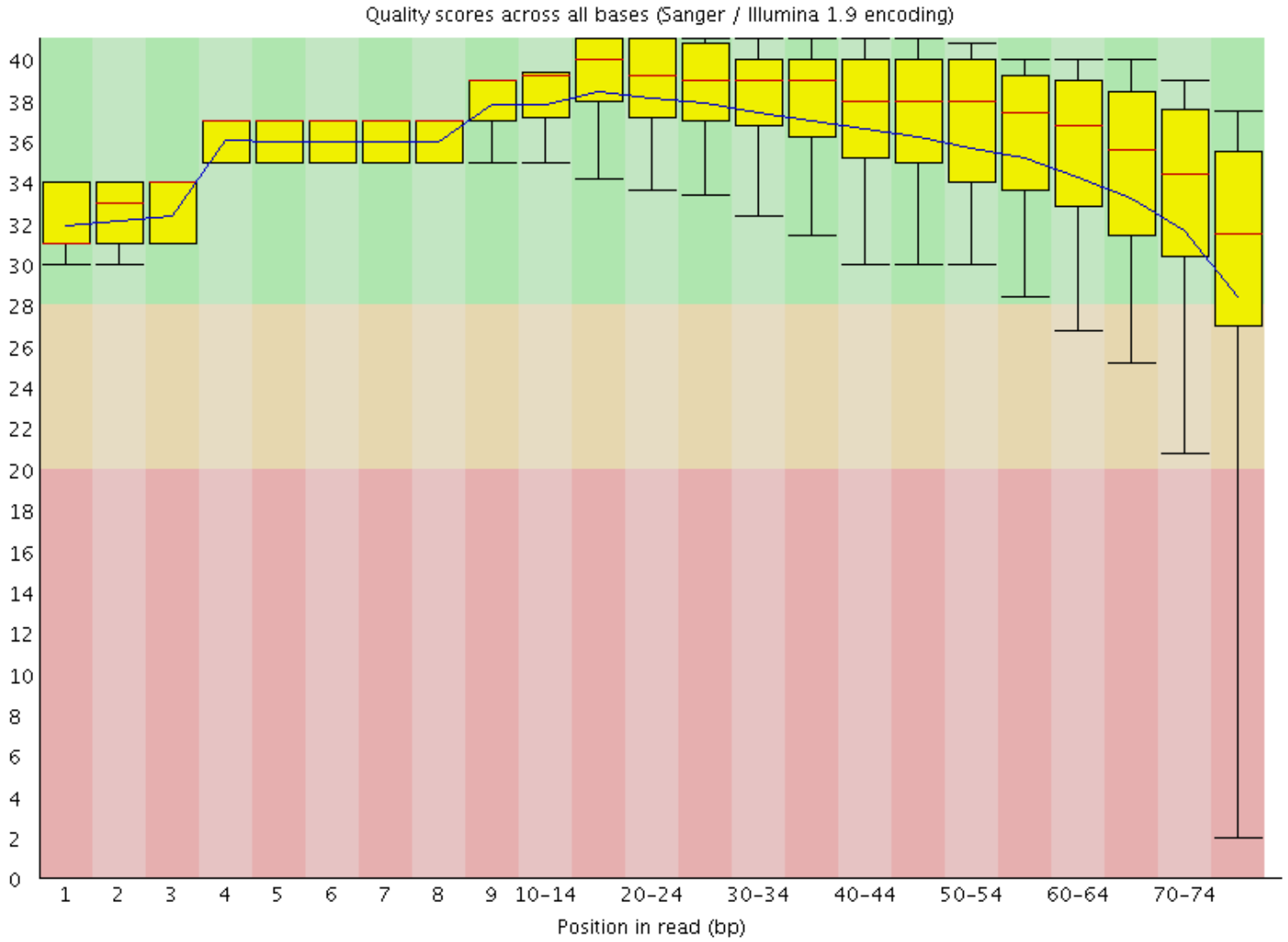
## Summary

-  [Basic Statistics](#)
-  [Per base sequence quality](#)
-  [Per sequence quality scores](#)
-  [Per base sequence content](#)
-  [Per base GC content](#)
-  [Per sequence GC content](#)
-  [Per base N content](#)
-  [Sequence Length Distribution](#)
-  [Sequence Duplication Levels](#)
-  [Overrepresented sequences](#)
-  [Kmer Content](#)

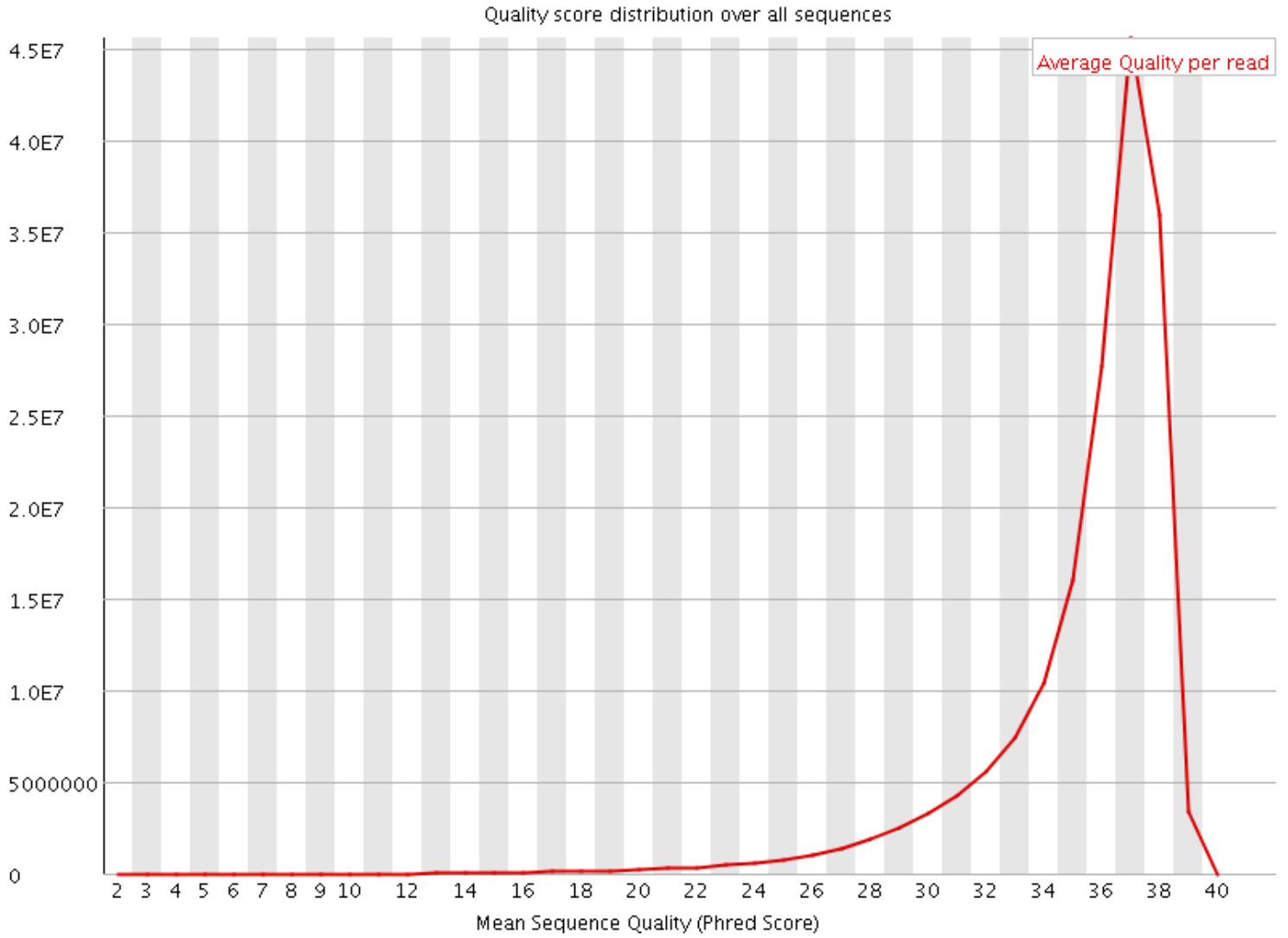
## Basic Statistics

Measure	Value
Filename	174gm_A_NoIndex_L006_R1_001.fastq.gz
File type	Conventional base calls
Encoding	Sanger / Illumina 1.9
Total Sequences	171582441
Filtered Sequences	20032583
Sequence length	76
%GC	18

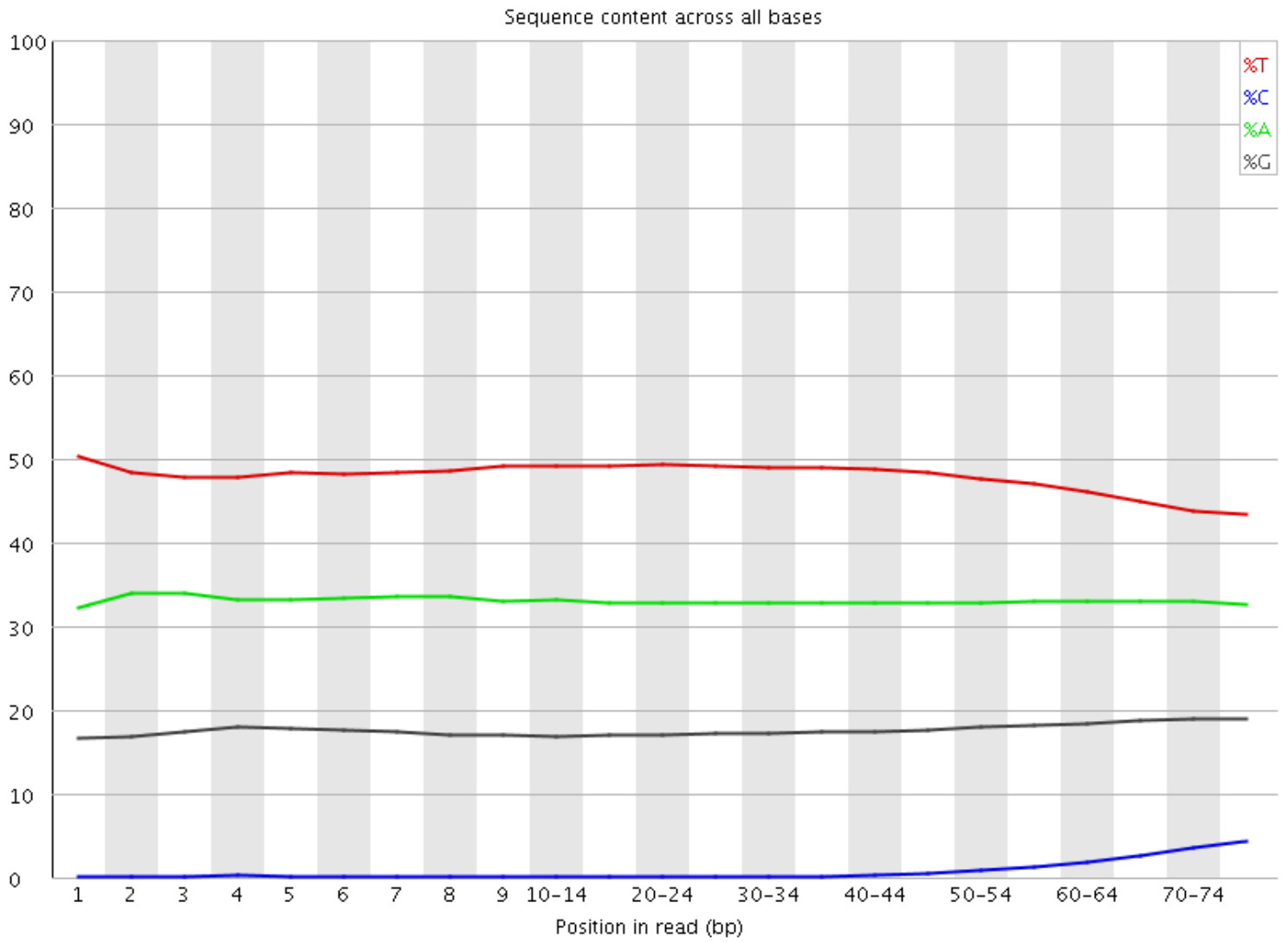
## Per base sequence quality



 **Per sequence quality scores**

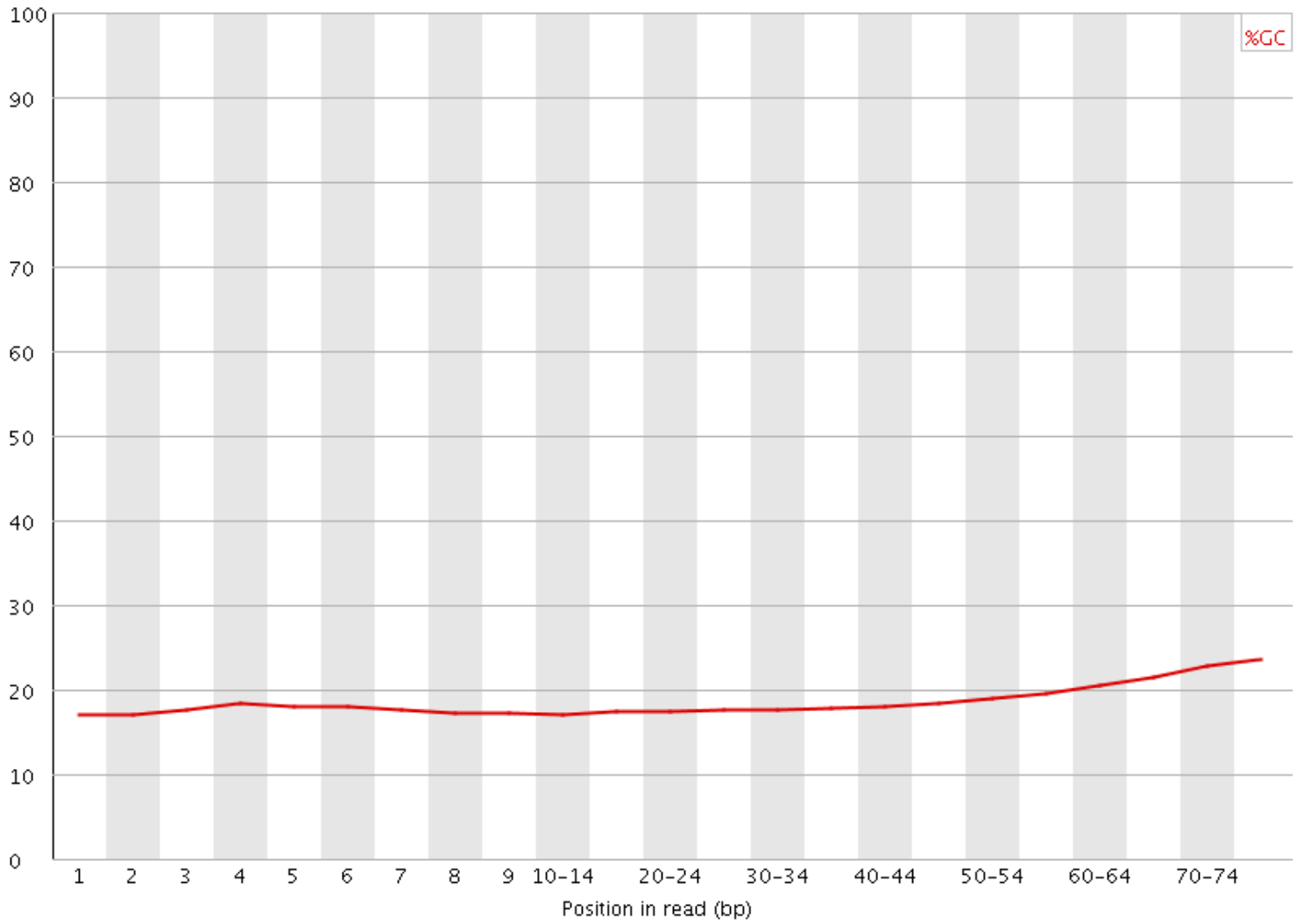


## Per base sequence content



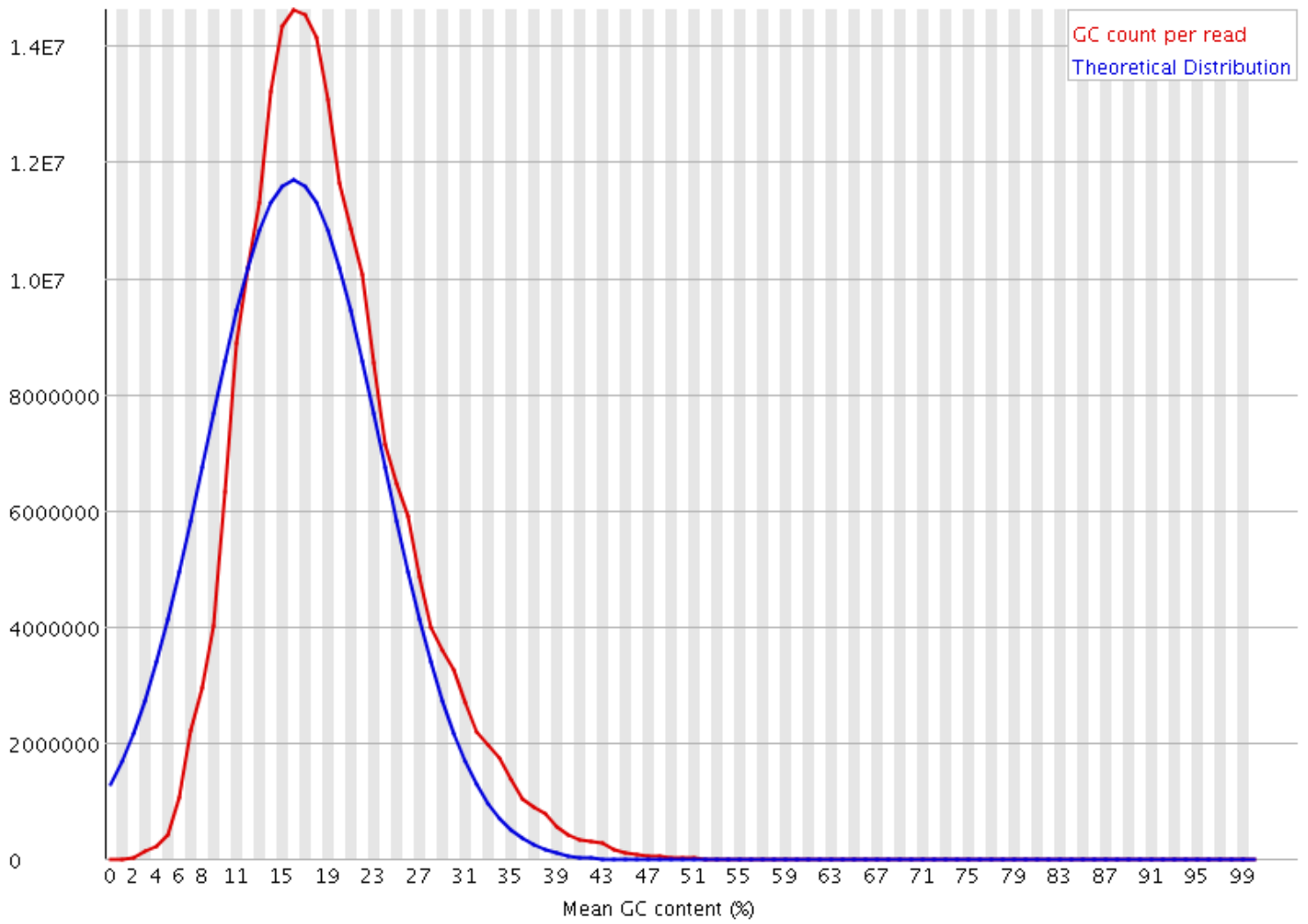
## Per base GC content

GC content across all bases



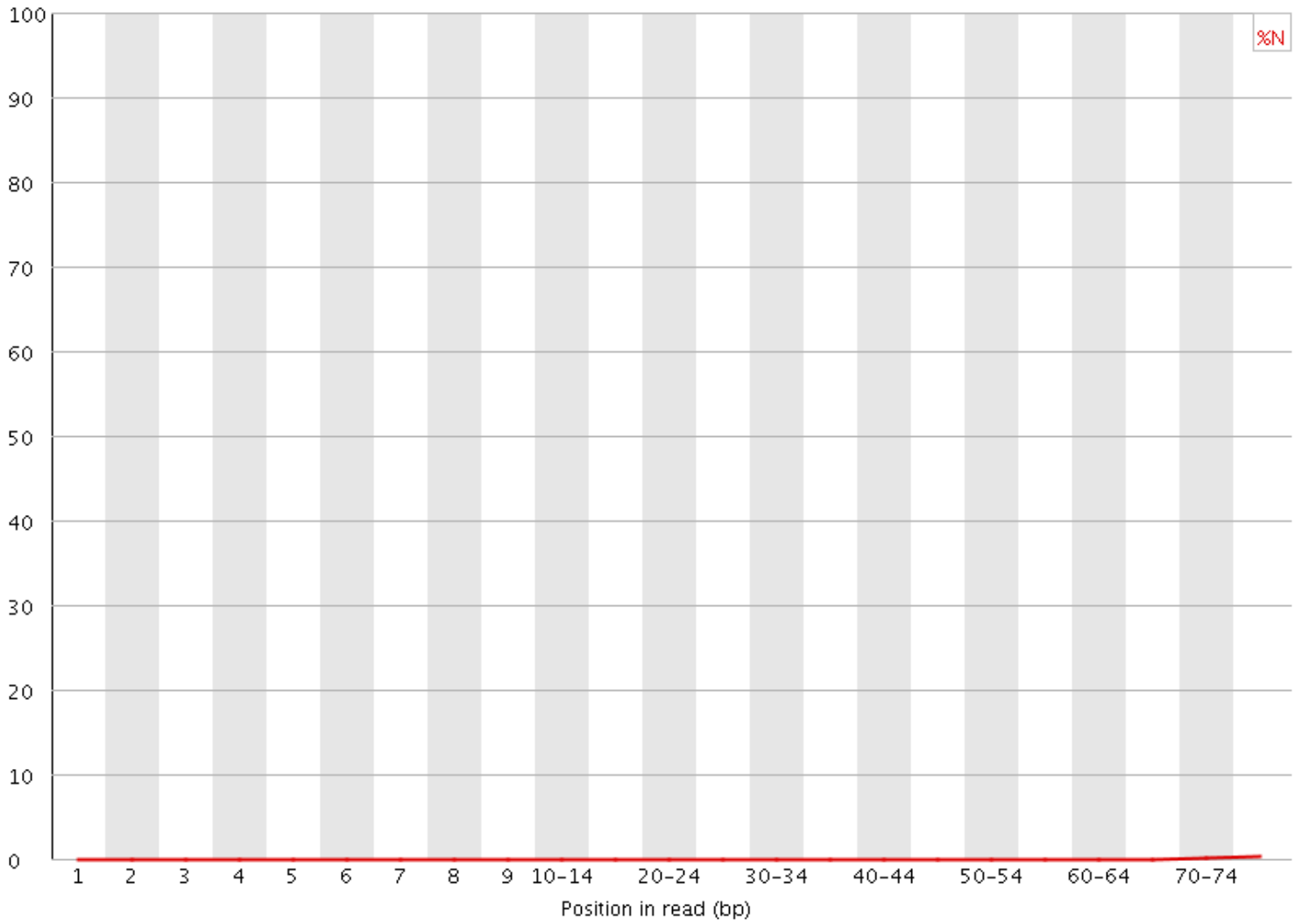
 **Per sequence GC content**

GC distribution over all sequences

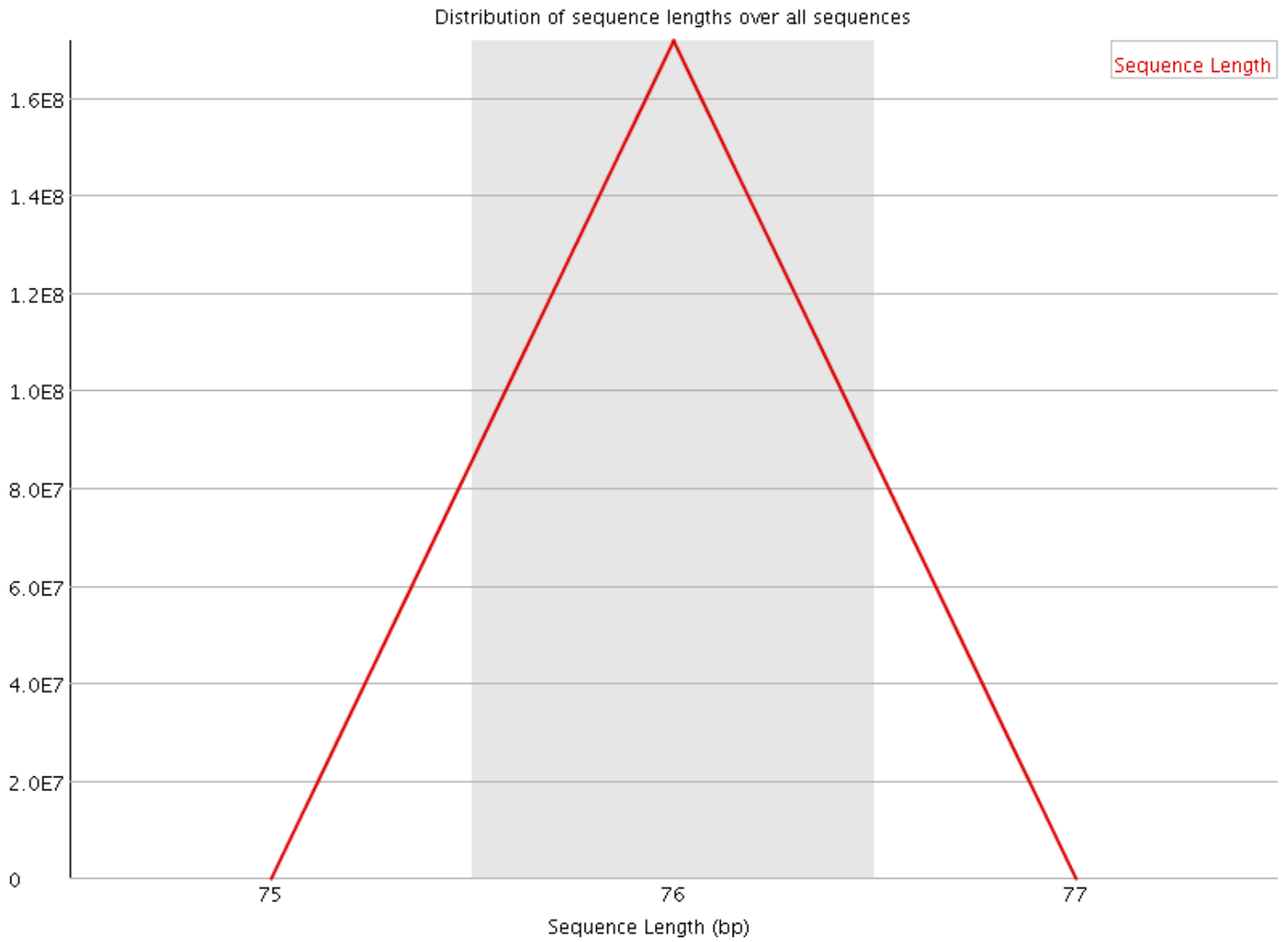


## Per base N content

N content across all bases

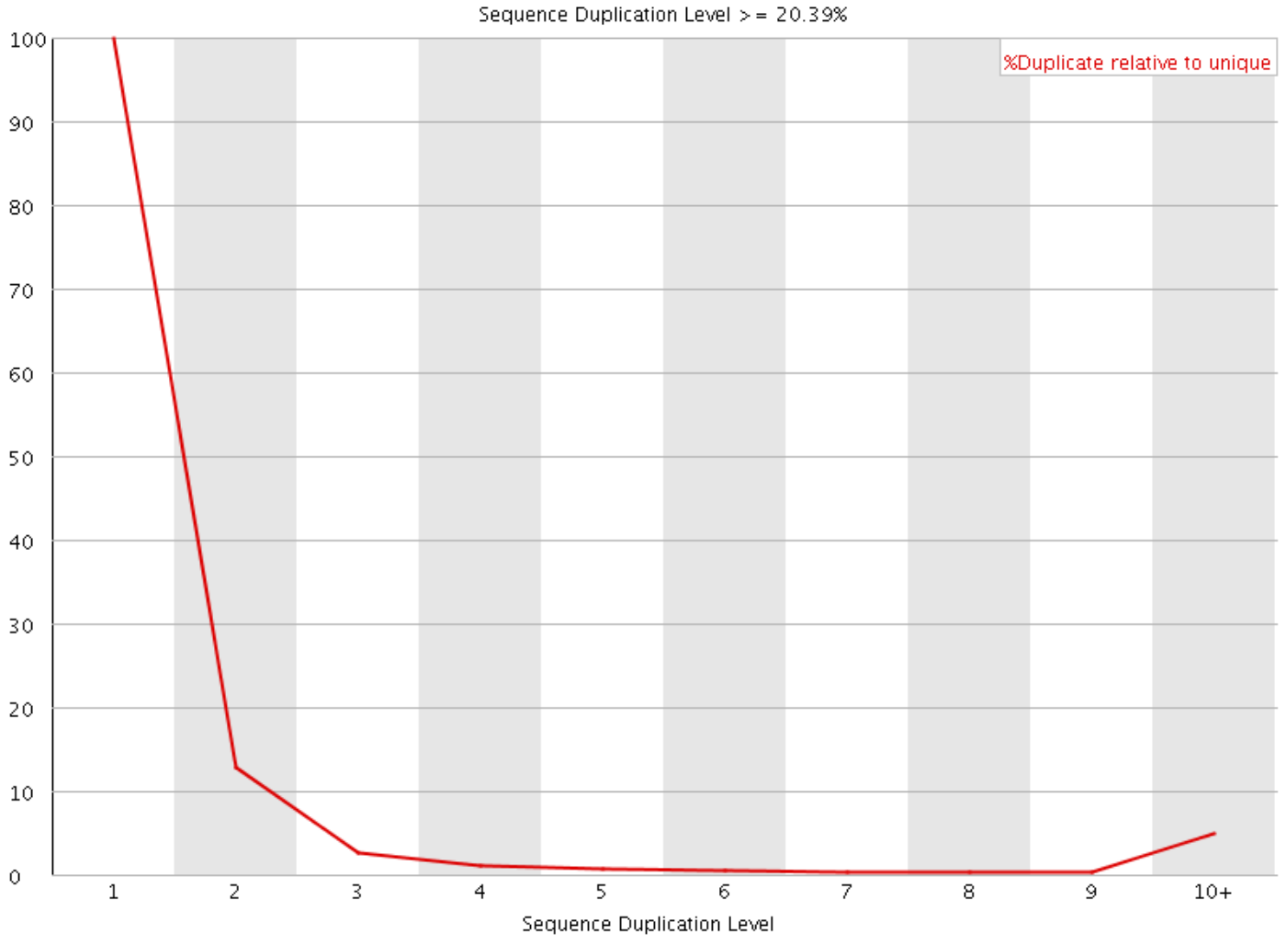


## Sequence Length Distribution



## Sequence Duplication Levels



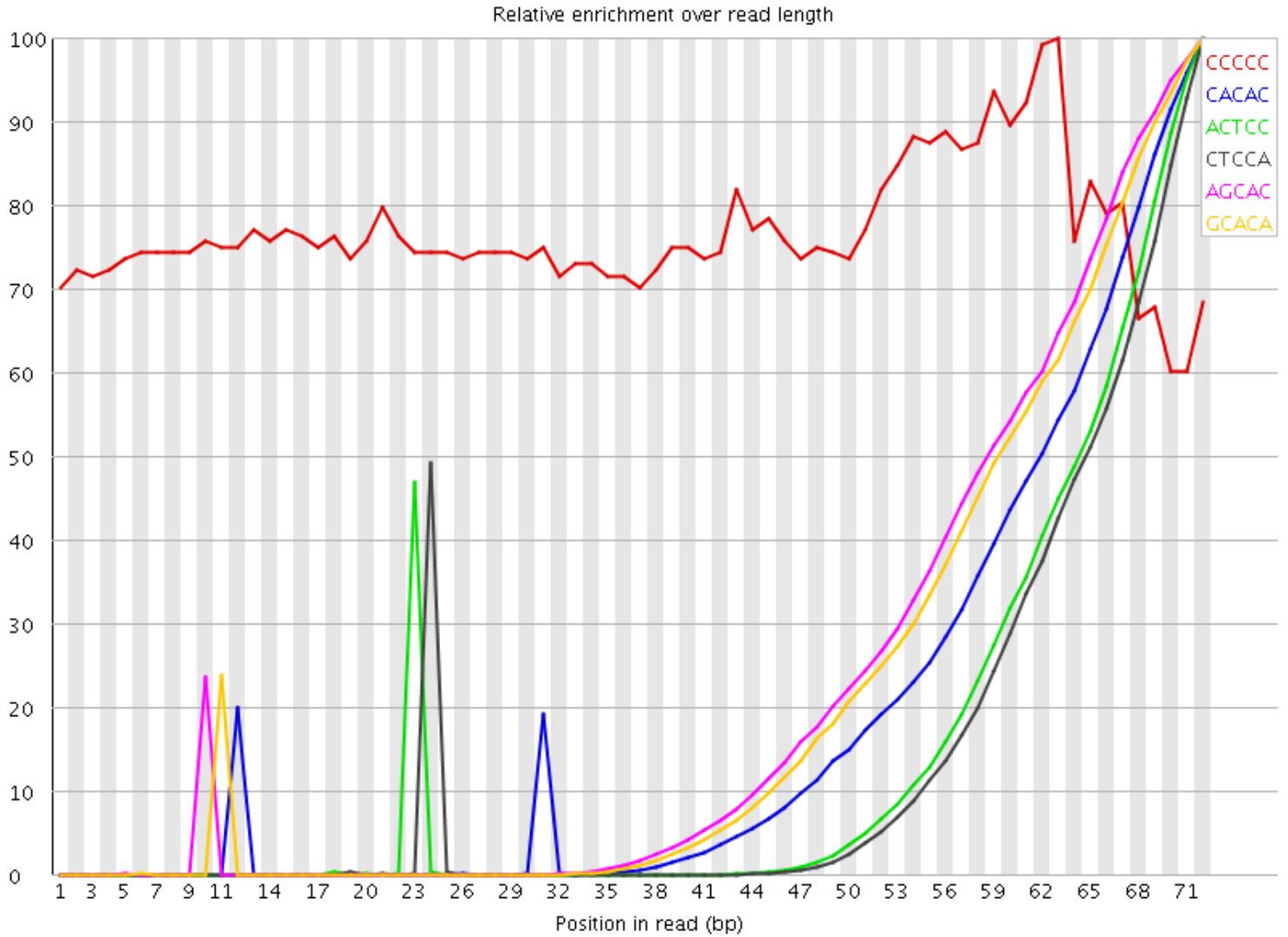


### Overrepresented sequences

No overrepresented sequences



### Kmer Content



Sequence	Count	Obs/Exp Overall	Obs/Exp Max	Max Obs/Exp Position
CCCCC	40100	21939.352	28547.258	63
CACAC	13316205	7777.7886	43682.53	72
ACTCC	4301950	1734.989	12422.333	72
CTCCA	3862030	1557.568	11791.825	72
AGCAC	13804235	488.1336	2315.5806	72
GCACA	12943395	457.69327	2273.3809	72
ACACG	11005635	389.17188	2084.1794	72
CACGT	10216710	249.45554	1404.7568	72
ACGTC	9417450	229.94046	1310.0906	72
CCCCG	5705	188.96692	825.6892	71
CCGTC	242615	181.30159	11116.82	52
CGTCT	8834680	148.94594	856.44324	72
GCCCC	4075	134.97636	706.0809	72

ACCCC	7065	126.296036	729.7824	71
CTCCC	9330	115.16351	833.9638	72
CACCC	6325	113.06757	923.60425	72
CCCGC	2885	95.55996	382.9591	72
TCCAG	3560105	86.92503	681.68256	72
CCCAC	4540	81.15839	768.67584	70
CCAGT	3169775	77.39457	626.24664	72
CCGCC	2270	75.18929	250.29639	52
CCCCA	4110	73.47158	602.2543	69
CACGC	67030	72.54333	455.931	72
CGCCC	2090	69.22714	227.3637	71
CAGTC	2813475	68.695	556.9519	72
CGCAC	62895	68.06821	405.45657	71
AACTC	4959685	65.35572	459.19278	72
CCACC	3050	54.522694	568.32605	71
GTCAC	2230350	54.457176	456.7634	72
CGCGC	23830	47.786457	91.53153	69
CGGAA	21237070	45.464417	177.26395	72
CCTCC	3655	45.114967	352.31625	72
GATCG	25352225	37.475628	131.96066	72
ATCGG	24454490	36.148598	129.62354	72
AGAGC	16268745	34.828205	153.56142	72
TCGGA	23039310	34.05668	128.91801	72
CACTG	1334420	32.581764	361.30966	33
GAGCA	15157820	32.449932	150.33292	72
TCACA	1972045	25.98641	225.06862	72
GCACC	20515	22.20239	143.11383	72
ACACT	1545945	20.371523	194.71552	32
AGATC	25529100	20.366468	70.210495	71
CTCCG	27075	20.232635	198.44661	72
CGGCG	157945	19.175089	23.240093	24
CGCGG	154845	18.798738	22.26944	4
CCCCT	1500	18.515034	205.14618	72
TCGCG	380875	17.231266	20.177341	3
CCACG	15570	16.850657	94.61957	71

CGTCG	370915	16.780663	21.280561	71
GCCAC	15490	16.764076	105.57577	72
GCTCC	22145	16.548538	130.66724	71
CACCG	14545	15.741349	89.536705	71
CGCGA	237545	15.564128	18.051582	4
ACGCG	229995	15.069447	28.197424	70
CCGGC	7350	14.739004	355.74014	52
GCGCG	119775	14.541114	17.371824	70
CGCGT	313275	14.172955	22.669844	71
TCCCC	1100	13.577692	98.11339	72
CGACG	206540	13.532658	16.584127	1
GGCCC	6555	13.144787	63.753036	71
CCCAG	11160	12.077928	79.761955	71
CCCGG	5515	11.059267	60.85517	71
TGCCG	237970	10.766063	684.3324	50
GCCGT	235075	10.635089	680.54535	51
CGTCC	14005	10.465671	59.945377	70
ACGCC	7965	8.620134	60.212456	71
GTCTG	8181415	8.350587	50.136734	72
GGCAC	120155	7.872647	43.46342	72
CCCTC	630	7.7763143	57.976093	72
GCACG	113940	7.465435	42.702454	71
ACACC	12405	7.2455664	40.725864	71
CGGAC	103605	6.788278	8.365942	4
ACCCG	6215	6.726194	44.96385	71
CGCTC	8925	6.669483	393.2453	2
CGCCG	3300	6.6175127	54.83971	50
AGCGC	98975	6.484918	26.53731	72
CACCA	11055	6.4570537	34.39819	72
ACCAC	11015	6.4336905	36.72346	70
GGGGG	13331345	5.9320793	6.657552	43
CGGCC	2955	5.9256816	34.7809	70
CTCAC	14560	5.872091	46.487995	70
ATGCC	239535	5.8485885	366.9148	49
TCTCG	337120	5.683585	254.03279	43

GCGCC	2825	5.664992	23.18479	72
CCAGC	5205	5.633119	47.704605	72
CCACA	9330	5.449507	31.863241	71
CACAT	412355	5.433764	35.75541	72
CTGAA	6798260	5.4234796	33.904675	72
CACTC	13420	5.4123254	36.37895	69
GCGTC	118940	5.3809958	13.207432	72
CCGCG	2660	5.3341165	15.213793	71
CTCGT	314980	5.310322	254.54828	44
TGAAC	6403715	5.108721	31.366726	72
GACCC	4700	5.086583	40.275208	72
GCCCG	2410	4.8327894	18.836124	71
GCCCA	4370	4.7294393	29.326605	72
AACCC	8045	4.6989594	36.297474	72
CCCGT	6245	4.6667705	39.68932	72
CGCCA	4305	4.659093	33.23682	72
GCGGC	38065	4.621228	6.2907033	52
CGGTC	100400	4.5422225	10.395113	71
GCCGC	2260	4.5319934	16.596373	51
CGGGC	37250	4.522284	6.025849	4
GAACT	5667620	4.5214834	30.590212	72
CATAC	335390	4.4195657	25.619156	72
GCGCA	65035	4.2611423	22.03946	72
TCTGA	7473960	4.1170554	25.248346	72
ACGGC	61110	4.0039735	10.771164	72
TCGGC	88435	4.000911	6.593453	58
TCTGC	230445	3.8851264	251.40291	58
CTGCT	229060	3.8617764	251.28369	59
CGGGG	522530	3.8405504	4.654858	1
GGAAG	28730035	3.7236078	11.735041	72
TTCGC	211995	3.5740736	4.2873855	2
ATCTC	382705	3.4821656	136.56407	42
CGTTC	206335	3.4786503	4.111262	4
GTCGC	75605	3.4204657	7.110437	72
TCCCA	8245	3.3252327	26.228666	72

GGCGC	27155	3.2967148	6.711125	72
TCGTC	195240	3.2915971	3.9254644	55
CGAGC	48695	3.1905332	3.8827689	70
AGCCC	2920	3.1601748	19.94049	71
TACAC	232525	3.0640733	20.063023	72
CTTCC	10000	2.784756	145.13197	6
CGATC	108165	2.6410027	15.605688	10
CGCCT	3445	2.574383	20.249653	72
CGGAG	645255	2.5595348	6.0418177	71
CAGCC	2365	2.559525	16.815718	70
CACGG	37940	2.485858	16.617031	71
GAAGA	34810900	2.4349523	6.7620263	72
TCTCC	8700	2.4227376	21.93214	71
CACAG	64795	2.2912257	22.920343	72
CTCCT	7795	2.1707172	39.94385	72
GACAC	59770	2.113536	13.133842	72
AAGAG	30135635	2.1079268	6.1319585	72
ACCTC	5210	2.1012082	16.173044	71
CCGAC	1915	2.0725117	40.111656	52
AGTCA	2595305	2.0704687	17.096888	72
ACCGC	1685	1.8235941	10.166557	72
TCCCG	2350	1.7561105	14.03976	72
CACCT	4005	1.6152282	14.425766	72
CTTCT	243255	1.5282795	94.333855	56
TCTTC	237100	1.48961	93.304665	55
ACCCA	2520	1.4718928	13.717069	72
TCGTA	2643455	1.4561558	9.7288065	45
ACTCT	158535	1.442482	14.30693	72
ACTTC	158030	1.4378871	10.536239	72
GGGCC	11745	1.4258853	7.1943927	70
CAGAC	39650	1.4020694	9.302003	70
CAACC	2370	1.38428	7.8288283	69
CCCTG	1820	1.3600516	12.148814	71
TCACC	3340	1.3470318	11.948614	72
CGTAT	2335460	1.2864959	9.511429	46

CGGCT	27460	1.2423251	9.881937	53
CCCGA	1140	1.2337668	7.820428	72
CTCTA	133525	1.2149204	9.822865	72
TCCGG	26040	1.1780825	10.657482	72
ATTCC	128840	1.1722926	8.165997	72
CTCGC	1560	1.1657584	5.684898	69
CTTCA	127335	1.1585987	8.649249	72
AGCTC	46870	1.1443979	7.1450377	71
CCGGT	25140	1.1373652	10.2815275	72
CCACT	2750	1.1090829	11.220039	72
GAGCC	16250	1.0647125	5.1375666	70
TTCCA	115760	1.0532799	7.975324	72
GTCCC	1365	1.0200386	8.640775	70
CGACC	930	1.006494	5.08287	71
TCCAC	2485	1.0022078	9.471462	72
ACTCG	40785	0.99582386	7.5596256	71
CCGCT	1330	0.9938837	5.4004846	70
TGCAC	39455	0.96335006	6.4303694	69
ACTGA	1191625	0.9506481	12.053662	34
CCAAC	1540	0.89948994	6.54146	71
CAGGC	13340	0.8740469	5.6104746	72
GCCGG	7050	0.8558953	22.192171	51
CCAGG	12155	0.7964048	5.77572	71
ATCCC	1855	0.748127	8.596483	71
CTCGA	30065	0.73407984	7.357334	72
ACCCT	1800	0.7259453	8.597174	72
GACTC	28125	0.68671197	5.2401156	72
GGCCG	5650	0.68593025	11.314412	50
CTGAT	1062000	0.58500624	8.332965	35
GCACT	23610	0.5764718	7.1544333	72
ACGCT	21875	0.5341093	13.081073	1
GCTCG	8610	0.38952726	5.8930535	43
ACTCA	29515	0.38893074	7.898565	72
AGGCC	5730	0.375434	5.8469915	49
TATGC	536600	0.29558787	8.491481	48
TCCGA	10905	0.26626113	12.962193	8

GCTTG	247085	0.2521941	15.427195	61
CCGAT	9770	0.23854846	12.944729	9
TTCCG	12785	0.21554531	8.980506	7
GCTCT	11950	0.20146786	9.047201	3
CCGTG	3850	0.17417884	5.3559403	52
CTTGA	235060	0.12948357	7.669823	62
TTCTG	274825	0.10453168	5.7800326	57
GTCTT	274265	0.104318686	5.7426353	54
TGCTT	265870	0.10112558	5.7383904	60

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