

FastQC Report

Summary

Sat 21 Jan 2012
C08DRACXX.8_1.fastq

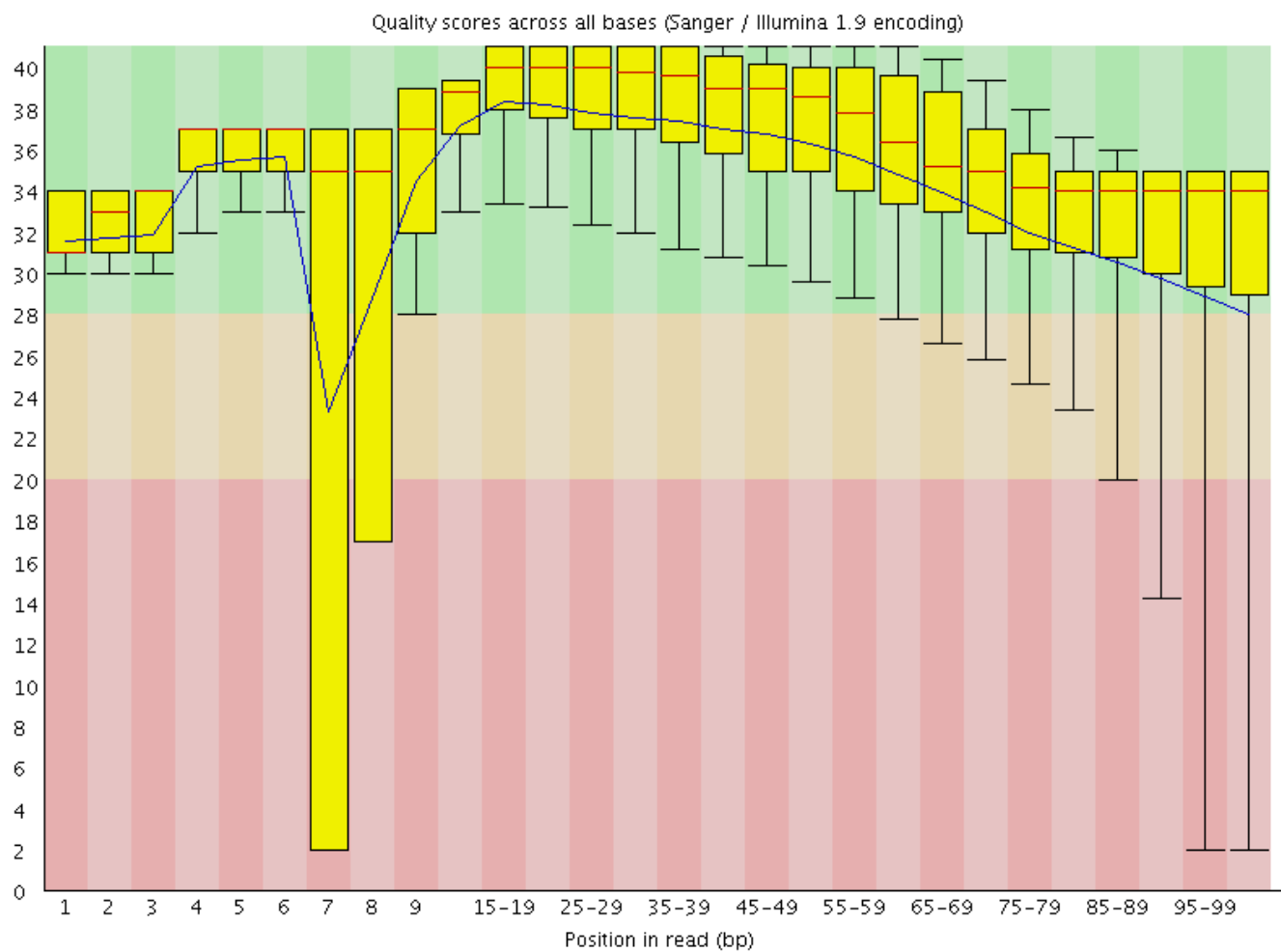
-  [Basic Statistics](#)
-  [Per base sequence quality](#)
-  [Per sequence quality scores](#)
-  [Per base sequence content](#)
-  [Per base GC content](#)
-  [Per sequence GC content](#)
-  [Per base N content](#)
-  [Sequence Length Distribution](#)
-  [Sequence Duplication Levels](#)
-  [Overrepresented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

Basic Statistics

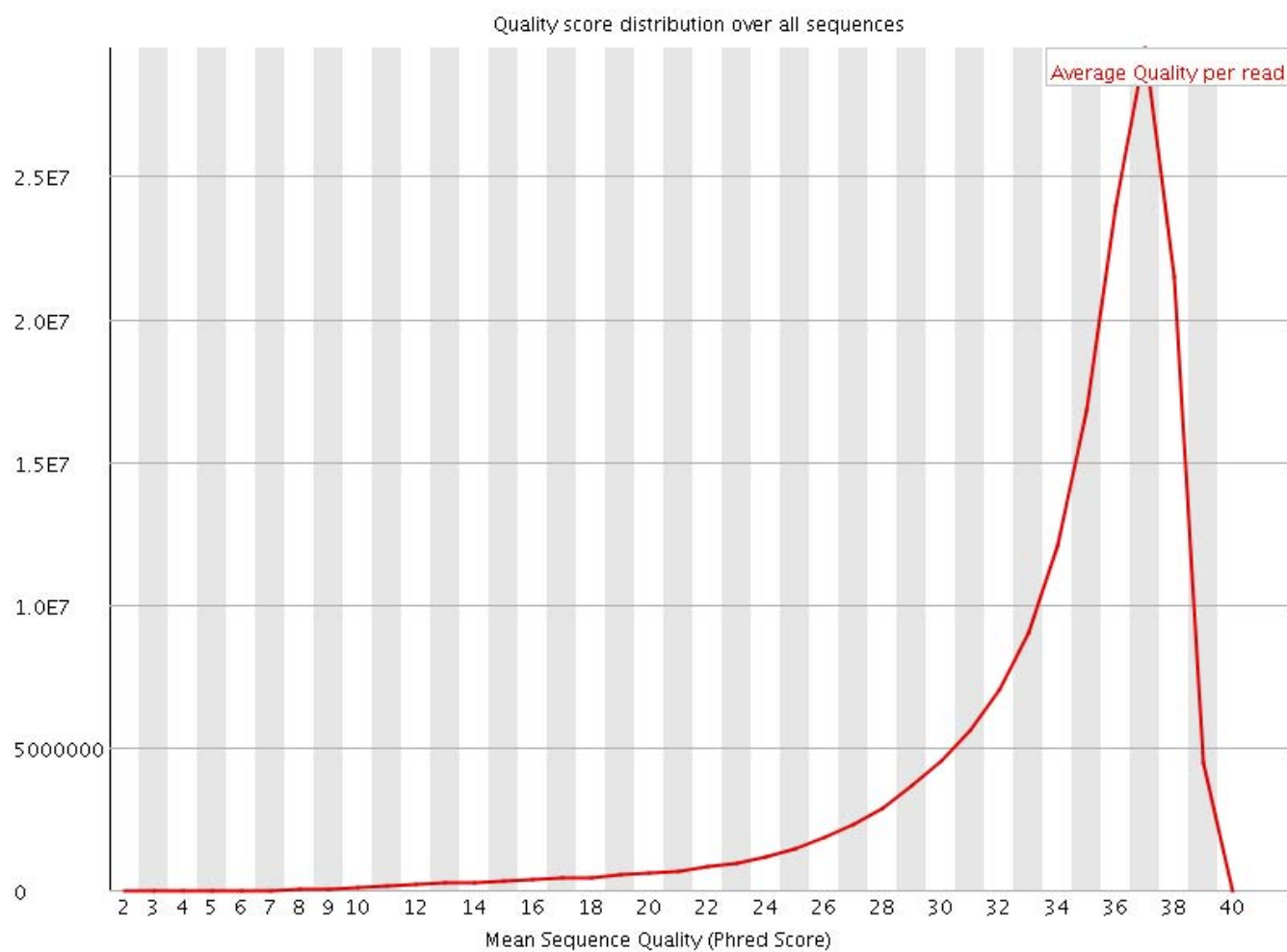
Measure	Value
Filename	C08DRACXX.8_1.fastq
File type	Conventional base calls
Encoding	Sanger / Illumina 1.9
Total Sequences	155304225
Filtered Sequences	0
Sequence length	100
%GC	43



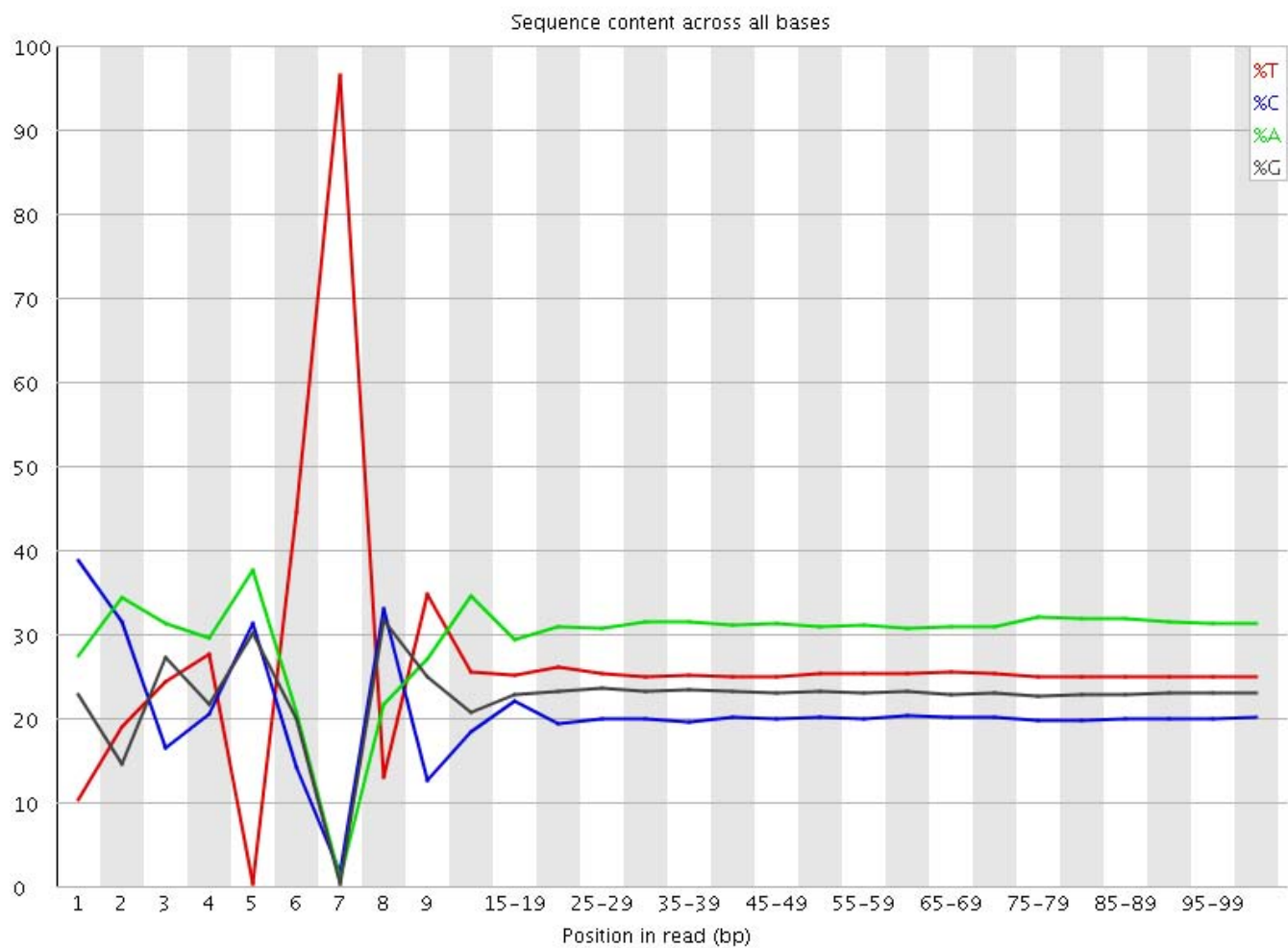
Per base sequence quality



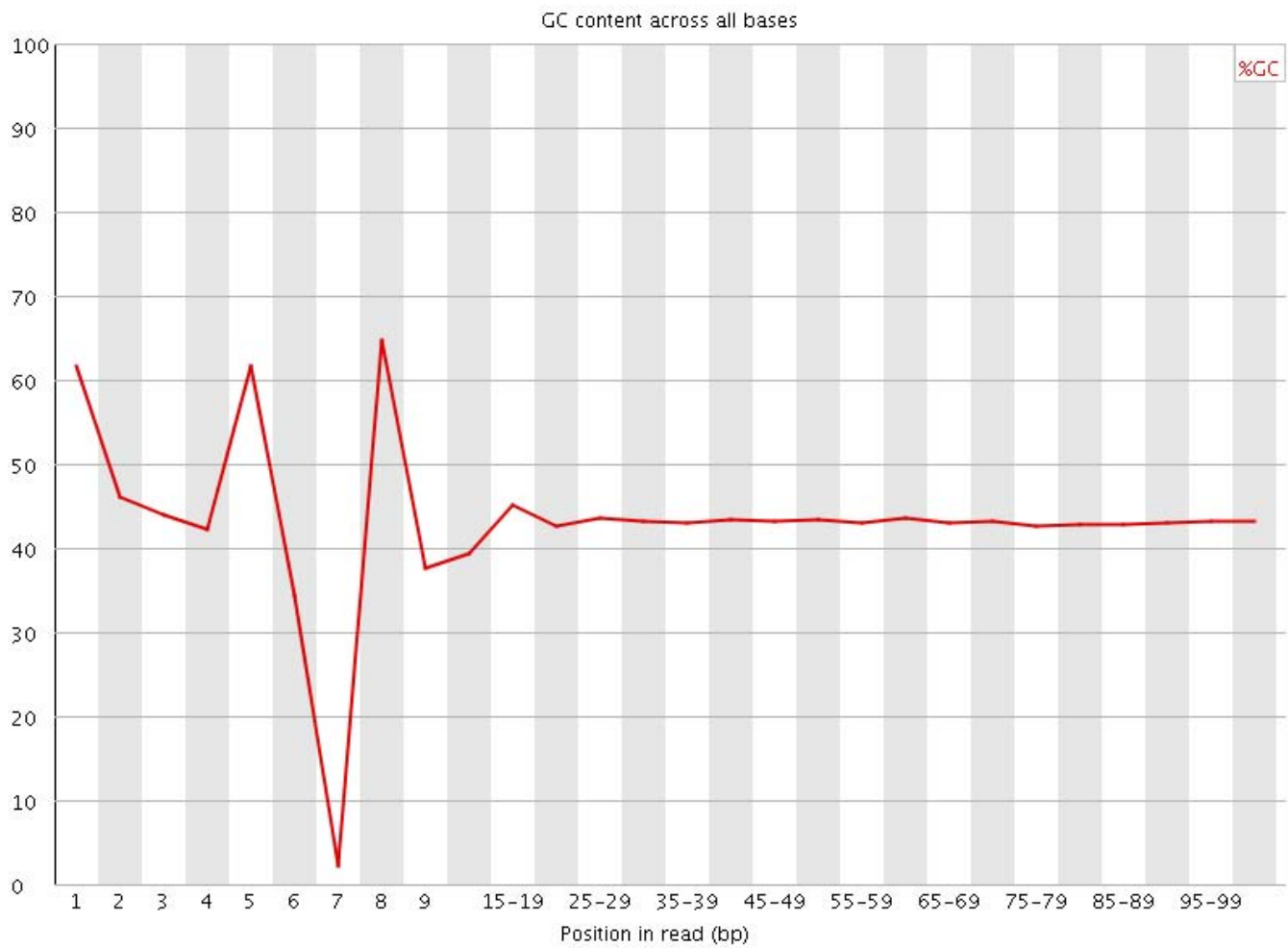
Per sequence quality scores



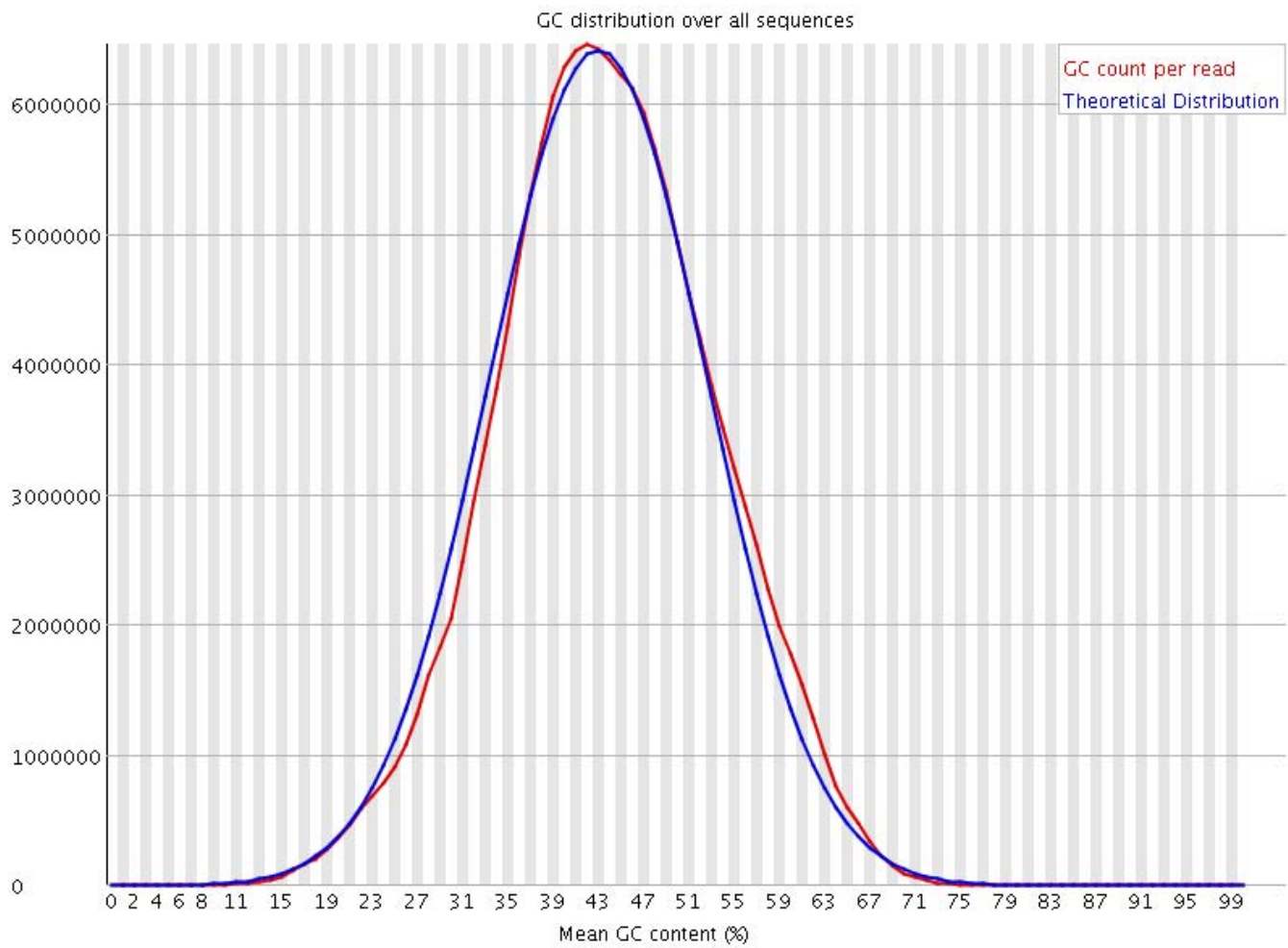
✖ Per base sequence content



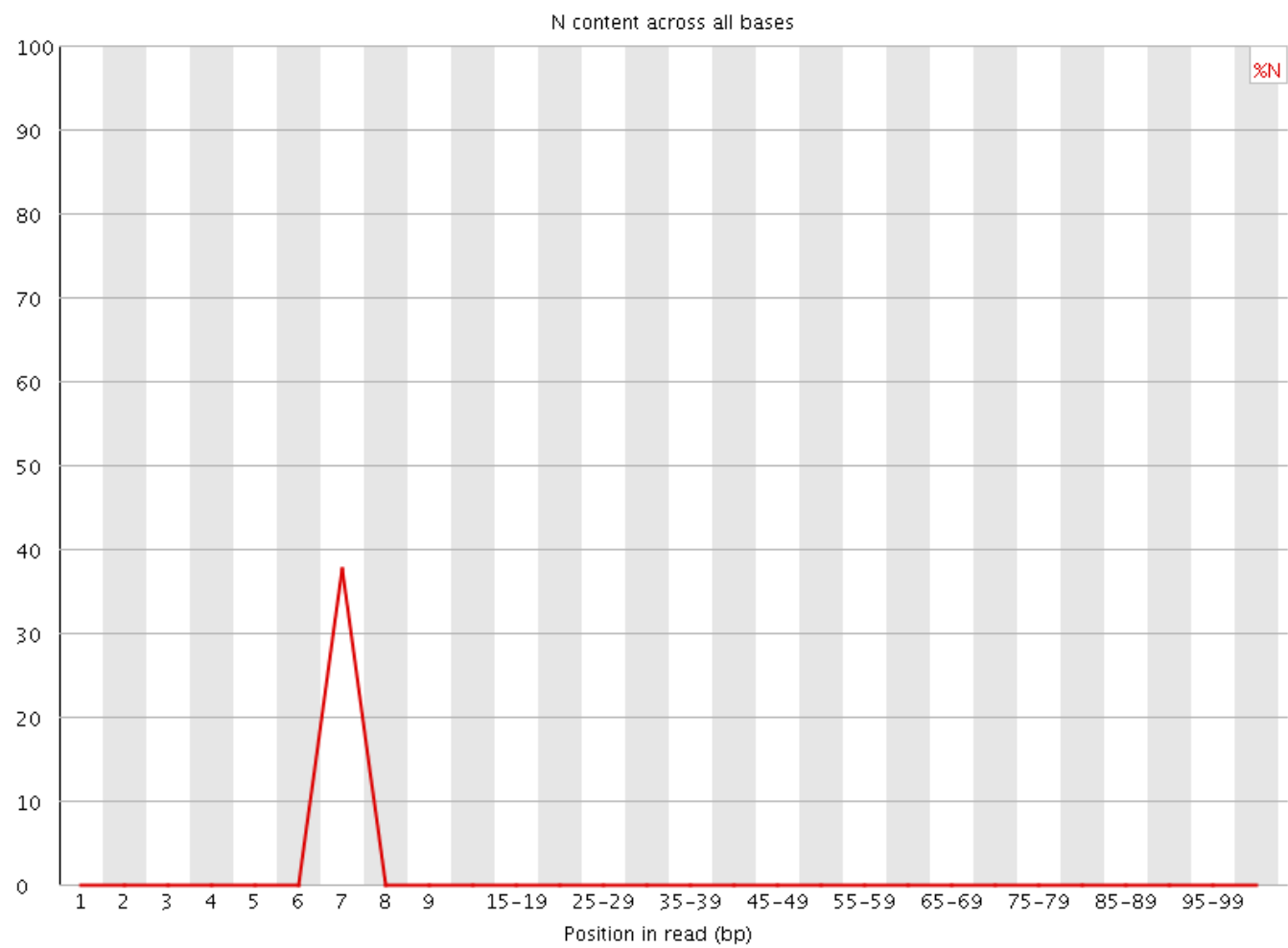
 **Per base GC content**



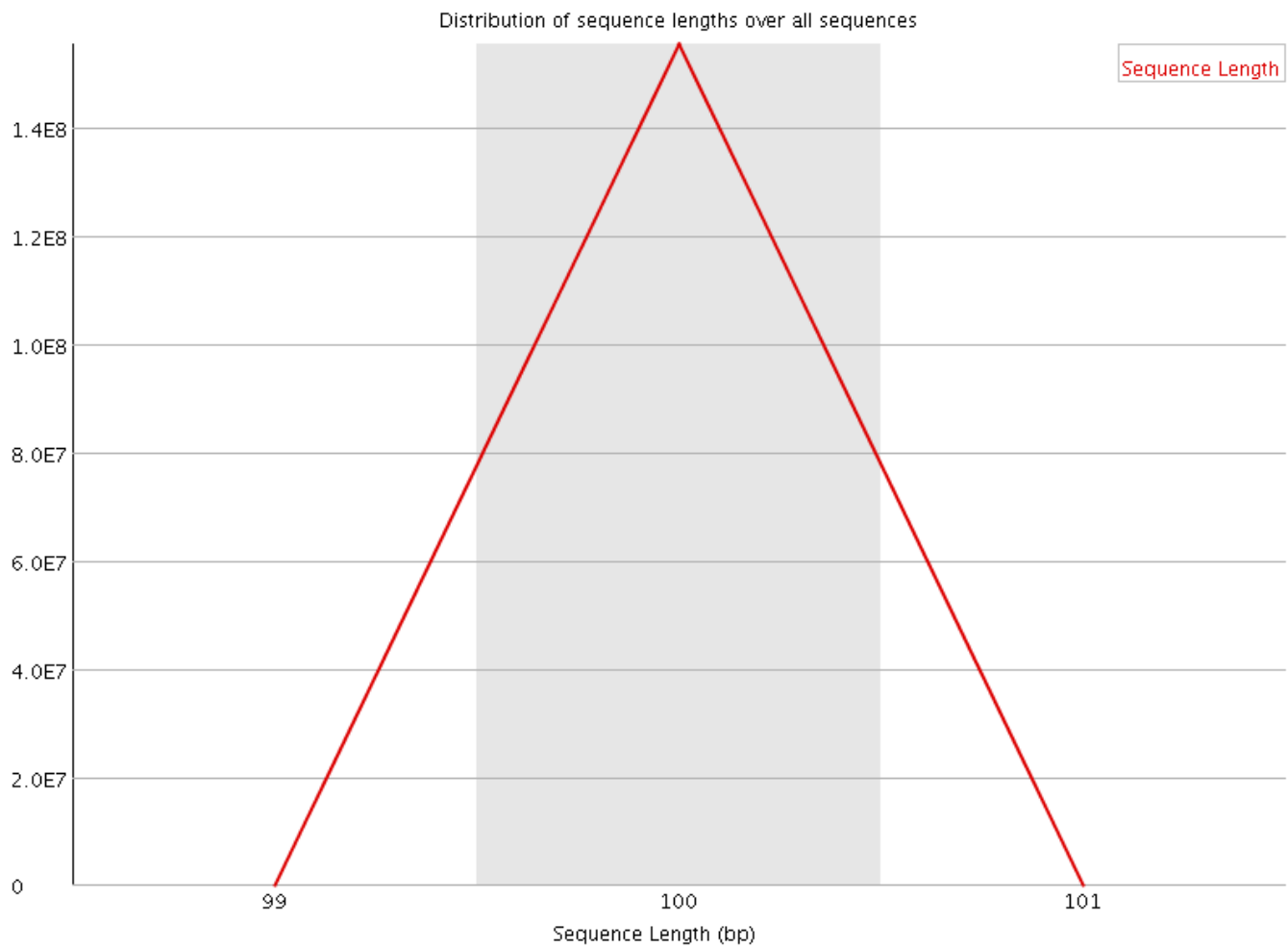
Per sequence GC content



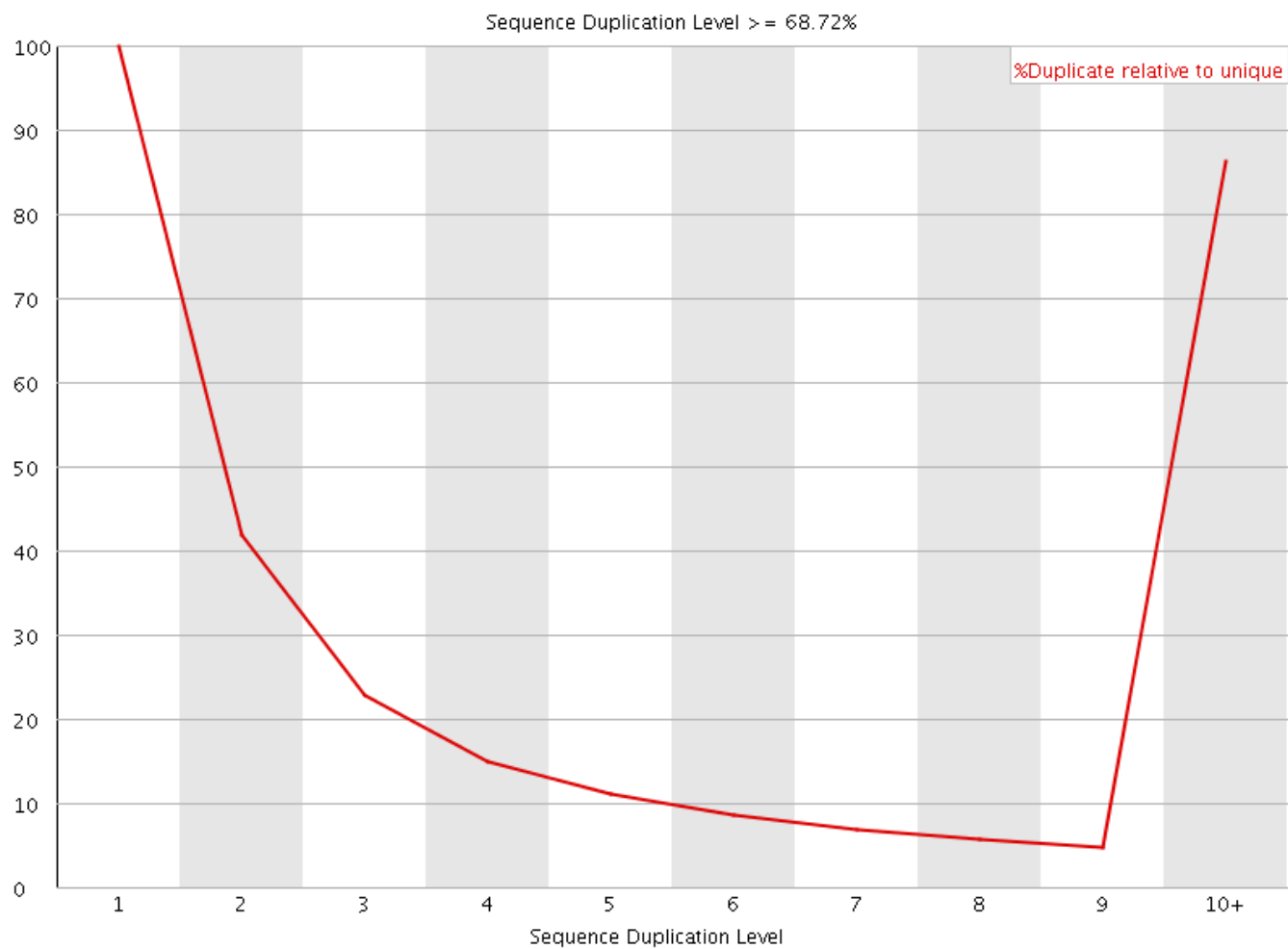
Per base N content



Sequence Length Distribution



Sequence Duplication Levels

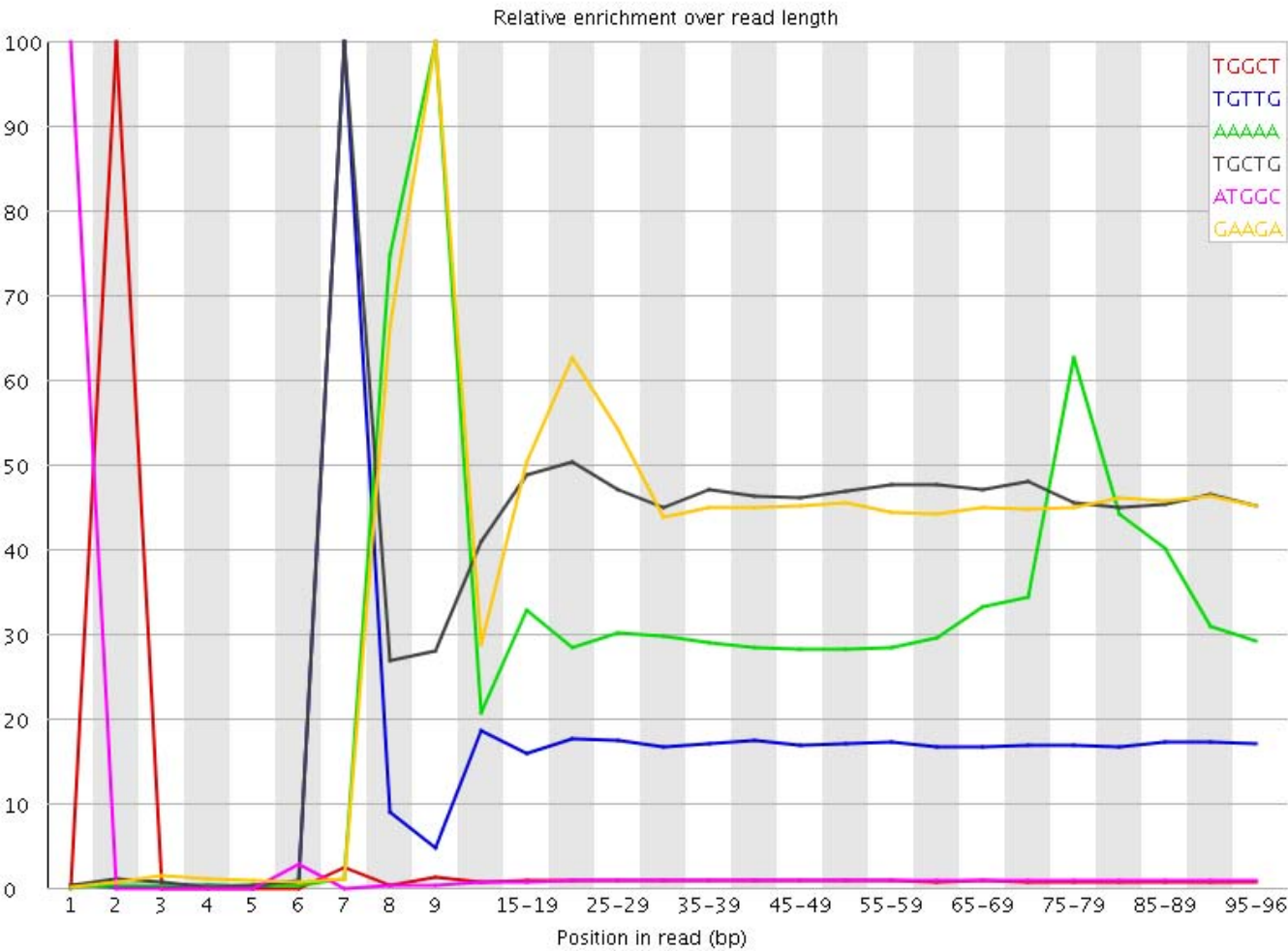


Overrepresented sequences

Sequence	Count	Percentage	P-value
CACAGTCCGGATCAATTCGGAAGAGCGGTTTCAGCAGGAATGCCGAGACCG	327950	0.21116618044357774	1.1e-34
CAAAGTCCGGATCAATTCGGGGGATCGGAAGAGCGGTTTCAGCAGGAATGC	230495	0.14841515097222888	1.1e-2

✖

Kmer Content



Sequence	Count	Obs/Exp Overall	Obs/Exp Max	Max Obs/Exp Position
TGGCT	29623075	2.8805287	144.2951	2
TGTTG	36005985	2.7950788	16.697811	7
AAAAA	116448620	2.74894	8.500331	9
TGCTG	25197695	2.4502077	5.5172553	7
ATGGC	30012795	2.396645	118.33587	1
GAAGA	53156615	2.2852955	5.1426477	9

TTGTT	30695250	2.1500978	23.305351	6
GTTGT	27214220	2.11259	30.67046	5
CATTC	25863225	2.106387	117.770386	1
TGCCG	16944150	2.0638807	8.326507	7
CACAG	27714955	2.0542684	116.992035	1
TCGTC	18321665	2.0137122	53.24516	4
ATTCG	27889385	2.009574	104.40794	2
CTGCT	18140320	1.9937811	5.2692113	65-69
CACGT	21977270	1.9836339	100.73595	2
CCGTC	14064520	1.9363334	5.692243	60-64
CGTCG	15721440	1.9149485	15.724093	5
GGCTT	19691920	1.9148297	160.22107	3
CGGCG	14171555	1.9129983	6.588658	8
ACAGT	32108995	1.899971	94.40612	2
CGAGA	28803640	1.8888605	90.32658	1
TTTTT	29797330	1.8833548	7.753019	6
CAGTT	25974905	1.8716258	108.08671	3
GTTGG	21629040	1.8607537	18.670334	5
TTGAA	39352480	1.8589584	11.977792	6
GCTAC	20577410	1.8572845	95.494606	1
AGCTG	22929255	1.8309953	13.194676	4
TTCGT	20515590	1.8000883	126.62258	3
GAAAA	55468790	1.767082	5.9162903	8
ACACG	23438470	1.7372897	82.6138	1
TTGGT	22323295	1.7329166	5.281657	6
CTACA	25828160	1.7274446	82.62646	2
GTTGA	27063070	1.7252486	11.609541	5
GCTGT	17705190	1.7216413	6.6177263	5
TGAAG	32792300	1.7167288	6.2732186	7
CGACG	16995115	1.6999813	5.932221	8
TTGGA	26633100	1.6978383	13.595108	6
TCTTC	16747620	1.6609377	10.774568	7
GCTTG	16550225	1.6093333	59.614494	4

TTTGG	20616035	1.600385	5.9245453	6
CTGTT	18195675	1.5965332	8.575294	6
TGGAA	30387110	1.5908134	13.01584	7
TGAAA	40716215	1.5795019	11.9411545	7
TTGGC	16235355	1.5787154	13.54077	6
AGTTG	24600905	1.5682875	34.709297	4
CTTCT	15445870	1.5318372	16.438784	5
TGCCA	16878330	1.5234114	10.466862	7
TTCTG	17288065	1.5168974	16.588041	6
CGTTG	15473630	1.5046458	35.345623	4
TTCCA	18404560	1.4989285	7.5858192	6
GAGAT	28422620	1.4879692	72.392426	2
TTCTT	18761755	1.4854258	19.347252	6
CATCA	22192720	1.4842983	6.7067456	5
TGGAC	18487540	1.4763061	7.068159	7
CTTGG	15175770	1.4756821	15.046093	5
TCCAA	21711400	1.4521066	5.105173	7
ACTGG	18176410	1.4514611	9.614555	5
TTGCG	14878605	1.4467859	64.836586	1
GTTCA	20026640	1.4430225	16.407421	5
GTGGA	20295740	1.4338766	6.349937	6
TTGTC	16334200	1.4332029	19.40934	6
GCAAC	19229125	1.4252876	38.189175	2
GTTGC	14622785	1.4219102	11.198952	5
CTGGA	17796525	1.4211258	6.229641	6
TGTTT	20270360	1.4198698	17.85612	7
GTGCC	11602485	1.4132396	5.695358	6
GCTTC	12847565	1.4120605	64.21368	4
TCTGC	12825550	1.4096408	6.962389	7
GTTTG	18158795	1.4096341	7.7796183	5
GCATA	23796865	1.4081211	78.49474	1
ACGTT	19527095	1.4070278	82.79025	3
CTTGT	15986840	1.4027246	19.90869	5

GTTCC	12685335	1.39423	15.6704855	5
AGCAA	28368170	1.3785	40.297417	2
TTTGA	23960655	1.3782911	5.927356	6
TCCAG	15256700	1.3770458	5.5822496	7
TGGAG	19470865	1.3755997	5.253141	7
ATTGG	21569790	1.3750564	9.111653	5
TCTTG	15617830	1.3703469	16.16057	7
TG TTC	15527795	1.3624469	11.342412	7
ATGTT	23670310	1.3615898	8.519275	6
TTCAA	25488615	1.360925	12.176976	6
TCGTG	13961475	1.3576049	47.990746	4
TCAGC	14965625	1.3507737	6.717	7
CTTGA	18697355	1.3472407	10.168202	5
CGTTC	12238970	1.3451705	45.637554	4
TTGCT	15245330	1.3376627	6.0571747	6
GTGGC	12402920	1.3365903	5.9992213	6
CAACT	19978470	1.3362044	40.011547	3
TCAAC	19891035	1.3303565	8.668289	7
TGCAA	22455910	1.3287733	29.992012	1
ATTGT	23098435	1.3286937	13.113613	5
TTGTG	17052115	1.3237245	12.151271	6
CATTG	18360265	1.3229518	5.192398	5
GTGTT	16997970	1.3195213	12.167069	6
CGTCT	11992490	1.3180804	17.044224	5
CGATG	16476845	1.315744	18.545435	4
TCAAA	29976785	1.314402	10.369266	7
CTGAA	22180145	1.3124555	5.0325246	6
ATCAA	29930345	1.3123658	5.251153	6
CATAG	22163315	1.3114598	79.269226	2
TGAAC	22016515	1.3027732	5.208329	7
TGGCA	16311690	1.3025556	10.063745	7
CGTCC	9398575	1.2939492	10.621145	5
GTTTT	18440670	1.2917063	6.949282	5

ATTGA	27193980	1.2846072	6.76564	5
TATTG	22211630	1.2776821	5.612256	7
GTGTG	14788245	1.2722378	6.254796	6
TGTGG	14760925	1.2698874	8.399494	7
ATGGA	24237665	1.2688801	5.0518913	6
TCTGG	13045170	1.2685039	15.574678	7
TTATT	24413465	1.2671834	11.348385	6
CAATG	21410740	1.2669281	14.951314	4
TTGCC	11502050	1.2641765	12.482952	6
CAGTA	21296915	1.2601928	38.566353	1
TTGTA	21867610	1.2578928	8.06021	6
TACAT	23480370	1.2536979	65.651566	3
TGCGA	15626980	1.2478787	55.13059	2
TTCAG	17166185	1.236912	8.189972	6
CTTCA	15130575	1.2322843	11.816595	5
GAGCA	18755020	1.2299006	50.304775	1
AGATT	26005365	1.2284585	74.92984	3
GTCAA	20715710	1.2258012	6.639969	6
AACTG	20656285	1.222285	11.005789	4
ATATT	28479445	1.2139388	5.096295	6
CAATT	22713775	1.2127668	5.8214045	4
TATTT	23351680	1.2120714	11.963905	7
GTCTT	13780790	1.2091603	9.848427	6
CTTTG	13733815	1.2050388	7.7823243	5
TCGGC	9892825	1.2049946	15.1388855	7
TTGAC	16675705	1.2015704	6.228369	6
CGTCA	13275015	1.1981819	11.179465	5
TGTCC	10866685	1.1943443	7.256511	7
CGATC	13224545	1.1936266	22.52617	4
GTTCT	13578330	1.191396	29.33942	5
CGTGG	11018190	1.187366	11.803333	5
AGTAC	19953160	1.1806793	37.26219	2
TCCGG	9669745	1.1778225	15.097984	6

ACTTG	16330080	1.1766665	5.6564946	5
GTCCG	9659790	1.1766098	15.188942	5
TGTCCG	12090100	1.1756335	14.393655	7
TGGCG	10906555	1.1753358	7.6686897	7
ACATC	17512250	1.1712581	25.50555	4
TCGTT	13327960	1.169428	15.257617	4
CGTGT	12023050	1.1691136	20.02342	5
CCCGT	8478980	1.167344	6.815363	2
GTCGA	14605205	1.1662858	7.616993	6
TCGCC	8456235	1.1642125	10.7783165	7
GATTG	18242690	1.1629565	34.708237	4
GATGT	18141835	1.1565272	6.1194844	5
ATTAT	27098975	1.1550962	5.962748	5
TGTGC	11842715	1.151578	5.9182134	7
AGTTC	15927785	1.147679	38.15149	4
TACTG	15781625	1.1371474	18.453417	4
CATCG	12595665	1.1368649	9.989195	5
TCAAG	19201295	1.1361896	6.3851357	7
GTCGG	10540710	1.1359109	8.719744	6
TAAAA	39486445	1.1350728	13.373118	7
TCGAC	12575000	1.1349996	13.483236	7
CGTGC	9310685	1.1340871	8.703619	5
TTGGG	13174510	1.1334076	8.142202	6
AATGT	23952495	1.1314837	5.32745	5
ACTGT	15683630	1.1300863	11.283604	5
GCAAT	19009595	1.1248462	49.242863	3
TCTCG	10188715	1.1198297	11.305703	7
GTACT	15538835	1.1196531	45.37265	3
TTCGG	11496500	1.1179123	17.641066	6
GATTT	19428310	1.1175767	11.613647	4
ACTGC	12377705	1.1171921	5.116117	5
ACATT	20849770	1.1132411	10.771972	4
GTCTG	11436460	1.112074	7.973554	6

TCGTA	15341455	1.1054308	21.106445	4
TGTCA	15205760	1.0956533	13.077883	7
TTAAA	31133405	1.0898007	10.281324	6
GTTTCG	11204835	1.089551	23.436129	5
CCGGA	10883925	1.0886933	12.356174	7
TTGCA	15018325	1.0821476	6.0922966	6
TAGCT	14958555	1.0778409	44.681385	3
GATTC	14911470	1.0744482	38.790474	4
ATCTG	14832680	1.068771	5.248822	6
GCGAT	13374005	1.0679694	56.887115	3
GTATT	18539525	1.0664511	5.7737694	6
GTGAA	20351335	1.0654247	6.017155	6
CTTCC	8490490	1.054765	12.144317	5
CATGG	13161310	1.0509847	7.932248	5
AGTGG	14863330	1.0500814	7.677322	5
CAATA	23892445	1.0476199	10.002565	4
CGTTT	11906140	1.0446739	8.6500435	4
CAGTC	11526590	1.0403719	8.645138	3
AATAC	23725865	1.0403159	7.760772	2
ACATG	17463385	1.033353	22.593534	4
CTTCG	9390635	1.0321136	20.809856	5
TGTCT	11748045	1.0308024	9.97754	2
CTAGC	11408665	1.029728	56.52564	2
ACCCG	9083275	1.0269586	5.5711718	1
GATCG	12854555	1.0264891	5.1652775	5
ATGTC	14213735	1.0241728	8.168617	1
CTGTC	9309985	1.0232493	5.713644	6
CTTTT	12909495	1.0220845	6.5076475	5
GTGTC	10498870	1.0209033	9.305987	6
TATTA	23945910	1.0206965	5.3850217	7
CATCT	12451835	1.0141188	8.960052	5
TCTTT	12783480	1.0121075	12.384519	7
ATAGT	21422980	1.0119928	66.28319	3

TTCTC	10193135	1.0108995	15.596295	6
CGTAT	13885965	1.0005553	8.068456	5
ATTGC	13869565	0.99937356	7.117965	5
TCGGA	12436700	0.9931217	11.388443	7
CAATC	14798945	0.98978627	18.289745	4
ATTCA	18516015	0.988634	7.1407294	5
TTCCG	8972190	0.9861228	15.204897	6
TCTGA	13677360	0.98552424	8.98917	7
CATGT	13635890	0.9825361	9.9521	5
TGGGG	10295975	0.9816381	5.136712	7
ACGAT	16542370	0.9788542	5.919585	3
TCTCC	7848805	0.9750491	8.288069	7
TGTTA	16925750	0.9736217	7.822793	7
AGCTC	10707070	0.96640325	18.847528	4
GCTTT	11010365	0.96607643	20.024132	4
GGATC	12050740	0.9623012	10.124839	9
CTCAA	14379900	0.96175957	5.723945	6
TCGAA	16115460	0.9535928	9.86089	7
ATCTC	11684915	0.9516583	5.2680736	6
TTCAC	11624745	0.94675773	9.274493	6
ACTAC	14105550	0.94341046	9.676453	1
ATAAA	32595325	0.9369815	5.6878915	6
GATCT	12836315	0.9249226	5.856569	5
CATCC	9043685	0.9226216	6.2861876	5
GTTAT	16016220	0.92130274	14.281249	5
CTTGC	8378405	0.92086047	12.2878685	5
CTCTG	8358390	0.9186608	5.4917016	6
TTCGA	12734840	0.91761076	15.202012	6
GTCGC	7519525	0.915915	6.9420495	6
ACTCC	8972725	0.9153824	6.7960787	5
ACTGA	15425195	0.91274804	6.473203	5
AGTGC	11360200	0.90715873	5.8179607	5
ATTCT	13928995	0.9056336	10.655602	5

AGTCC	10029360	0.90523416	11.373064	4
ATCGG	11293515	0.90183365	5.4221096	6
TCCCA	8775050	0.89521587	6.922348	7
AGTTT	15554380	0.89473623	10.061065	4
ATTCC	10917390	0.88914853	7.734506	5
TAGTG	13930085	0.8880315	29.641272	4
ATCTT	13657780	0.88799983	6.9574056	6
TACTC	10769225	0.87708145	19.922913	4
TGTGA	13636645	0.8693249	8.585772	7
ATACT	16275680	0.8690147	9.866554	3
CTCTT	8744925	0.86727405	7.9969525	6
AGTCA	14439565	0.8544258	7.2649493	5
TATCA	15953570	0.85181624	6.5398583	7
AGCTT	11779535	0.84877616	7.4488783	3
GTAAA	21837765	0.8471512	5.82866	6
TGTAA	17901225	0.8456299	6.209693	7
TACTT	12921195	0.84010863	8.145537	4
CGTGA	10504670	0.83884114	8.60215	5
TGGGA	11854090	0.83748126	6.4194193	7
AACTC	12490120	0.8353669	13.501236	4
AGTGT	13097980	0.8349855	11.717147	5
TCAGA	14078130	0.83303875	6.566227	7
TCCGC	6037310	0.83118695	7.3668594	7
TTATC	12739765	0.8283124	9.852496	6
ACTAG	13925470	0.82400554	39.671707	1
TCCGA	9078425	0.81940436	8.705837	7
GCTCA	9068975	0.81855136	5.267786	5
AGTCG	10218915	0.8160224	10.943061	5
AGCTA	13660495	0.80832624	10.432382	4
ATCGA	13644025	0.80735165	5.4277487	6
CGATT	11072865	0.797857	8.933683	4
CGGAT	9883225	0.7892163	11.321295	8
TCGAT	10927120	0.78735524	5.0631347	7

GCTCT	7147905	0.78561777	7.7874703	5
CTAAA	17873910	0.78372324	6.6273293	6
CATGA	13217570	0.78211725	5.0203924	5
TCACA	11610530	0.776538	7.039449	7
TACGA	13102820	0.7753272	5.61309	2
TTCGC	7031825	0.77285945	14.802753	6
GTTAA	16312110	0.7705622	10.373874	5
CTCGA	8353725	0.7539941	6.0337114	6
TCGGG	6927085	0.74649155	9.145012	7
ACATA	17017505	0.7461722	11.712212	4
AGTGA	14229470	0.7449353	5.2616987	5
CTATT	11428495	0.7430564	5.454249	6
GTCTC	6724855	0.7391207	7.532098	6
AGTTA	15612355	0.7375067	13.938719	4
TAGTC	10202805	0.73516464	35.16994	4
TTCCC	5914415	0.73474175	7.4771276	6
TCGAG	9184630	0.7334305	6.279902	7
ACTCG	8090370	0.7302241	11.657077	5
TTACG	10122225	0.72935843	6.661431	1
CGTAA	12261550	0.7255471	7.664113	5
TCCCG	5217810	0.7183623	5.497541	7
TCACG	7948865	0.71745205	6.36231	7
TAGTT	12455080	0.71645486	10.482918	4
GCTCG	5876715	0.7158127	6.4287386	5
ACTCT	8754640	0.713007	10.57694	5
CGTTA	9857265	0.7102667	20.214125	4
ACTCA	10537320	0.7047593	8.141729	5
TAGTA	14835820	0.70082426	12.73906	4
CGATA	11796980	0.69805735	13.502219	4
CTCGG	5711595	0.69570035	7.090514	6
CATGC	7624430	0.688169	5.48549	5
TCTCA	8396345	0.6838262	9.825544	7
AACTA	15493350	0.67934203	6.222103	4

TACTA	12698355	0.67800903	10.458169	4
CATAA	15204290	0.6666675	5.478232	5
GCTTA	9249295	0.6664593	23.589441	4
GATTA	13928360	0.657957	14.371677	4
TCGCA	7250035	0.6543767	8.9096775	7
ACTAT	12255670	0.65437245	5.908177	5
AGTCT	8772725	0.63212	11.162196	5
TATCG	8704930	0.62723505	5.0354404	7
CTCTC	5036790	0.6257154	5.7752433	6
CTTAT	9470360	0.61574256	7.4141507	5
TCTTA	9357225	0.6083869	6.1769695	7
TCGCG	4940585	0.6017875	7.390844	7
ACTAA	13103050	0.57453376	7.1532774	5
CTTAA	10743295	0.5736215	7.8148317	5
ATAGC	9582720	0.56703395	5.9148393	1
GCCTA	5653095	0.5102394	5.540749	1
CCTAG	4357295	0.3932826	5.6069055	2

Produced by [FastQC](#) (version 0.10.0)