

PRINSEQ-graphs v0.6 HTML Report

[Generated: 02/05/2014 10:54:20]

Input Information

Input file(s): **pnsex.reads.fna and pnsex.reads.qvl**

Input format(s): **FASTA and QUAL**

Sequences: **1,367,227**

Total bases: **642,887,313**

Length Distribution

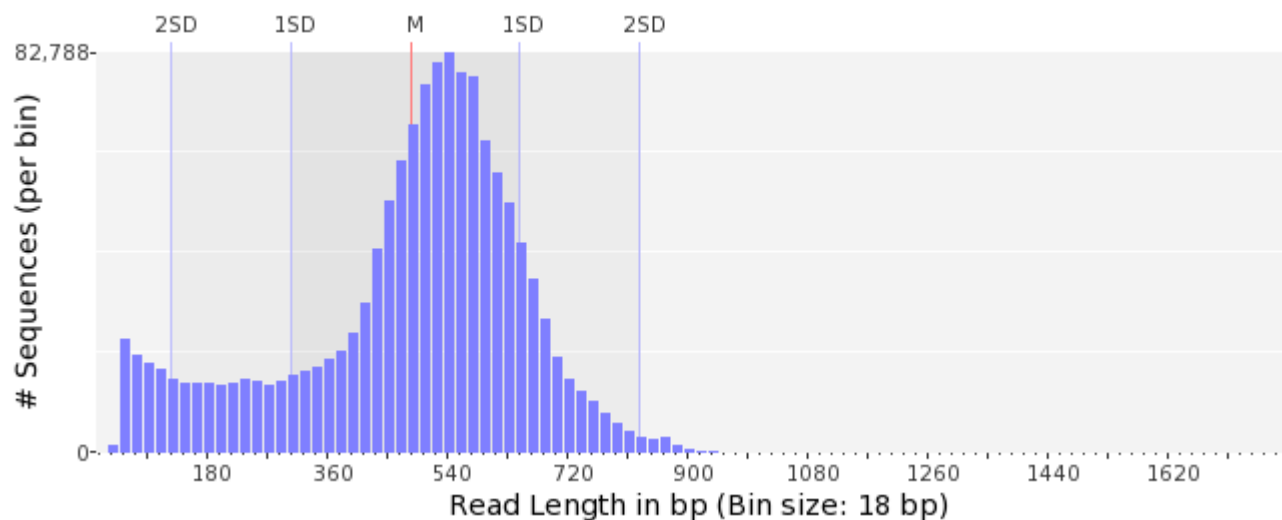
Mean sequence length: **470.21 ± 175.91 bp**

Minimum length: **21 bp**

Maximum length: **1,754 bp**

Length range: **1,734 bp**

Mode length: **563 bp with 4,938 sequences**



GC Content Distribution

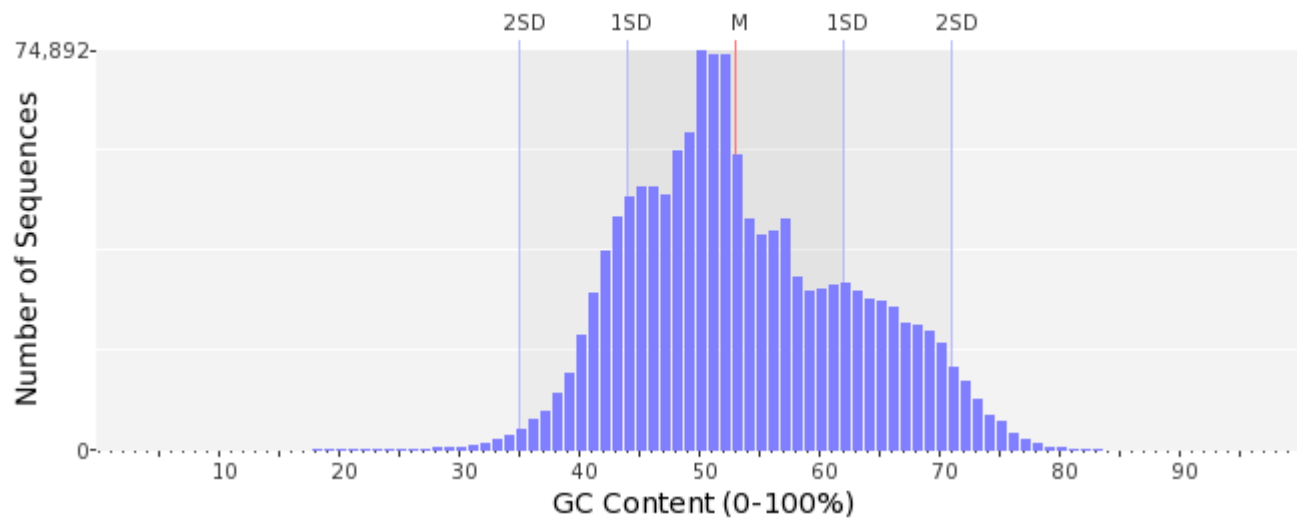
Mean GC content: **53.37 ± 9.46 %**

Minimum GC content: **0 %**

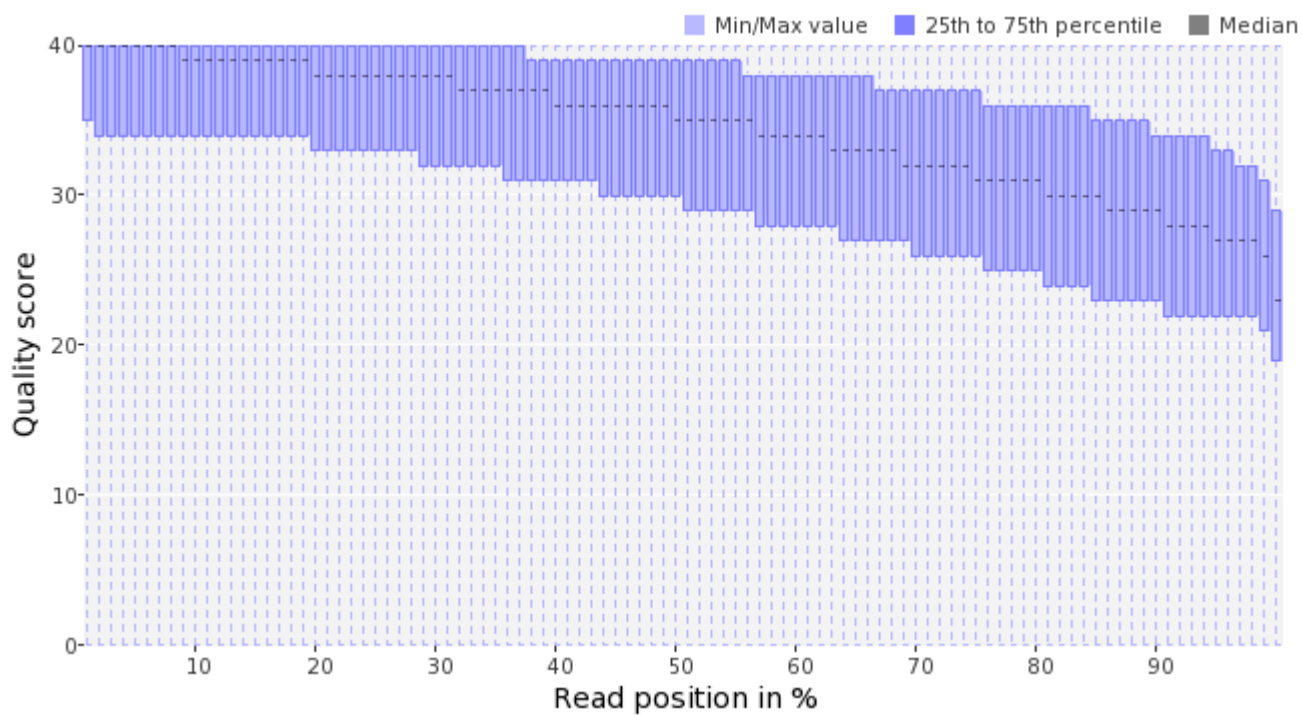
Maximum GC content: **96 %**

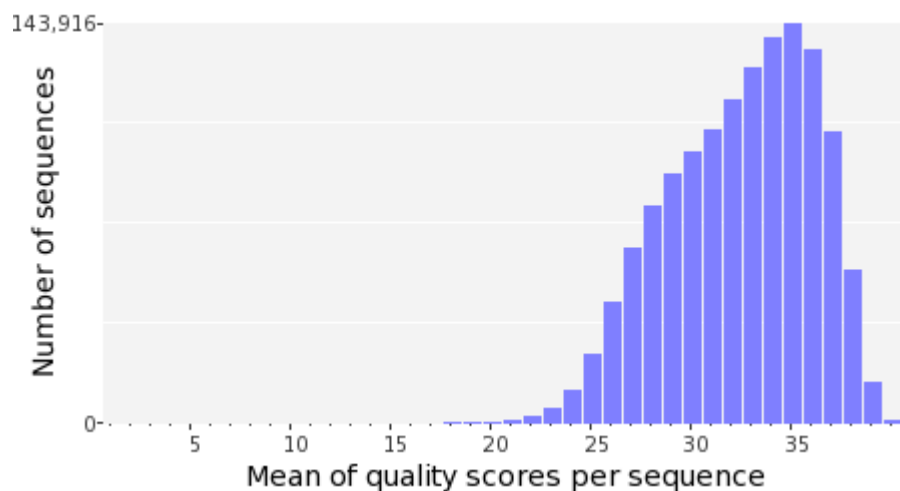
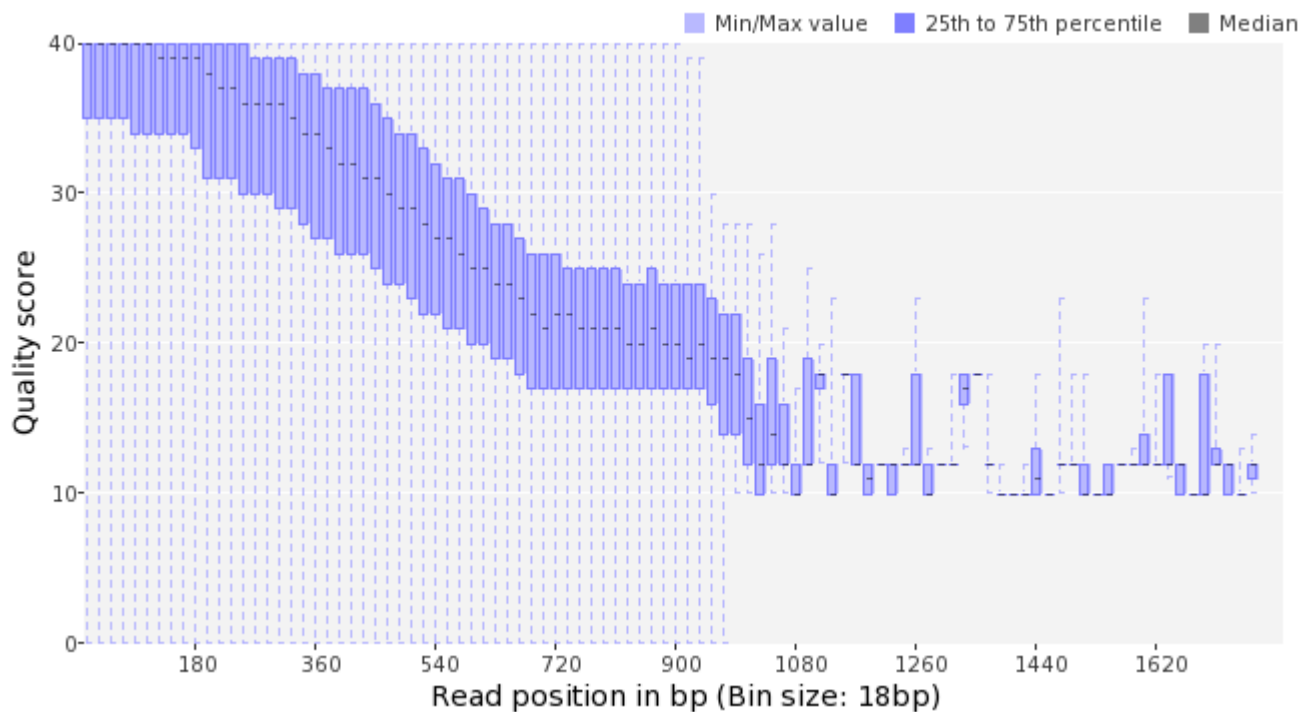
GC content range: **97 %**

Mode GC content: **50 % with 74,892 sequences**



Base Quality Distribution

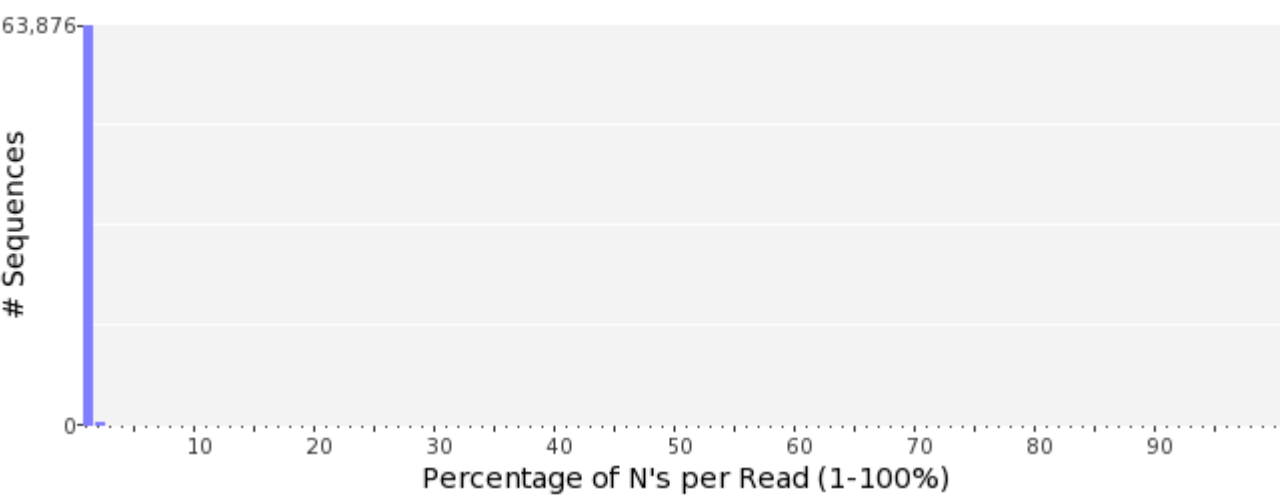




Occurrence of N

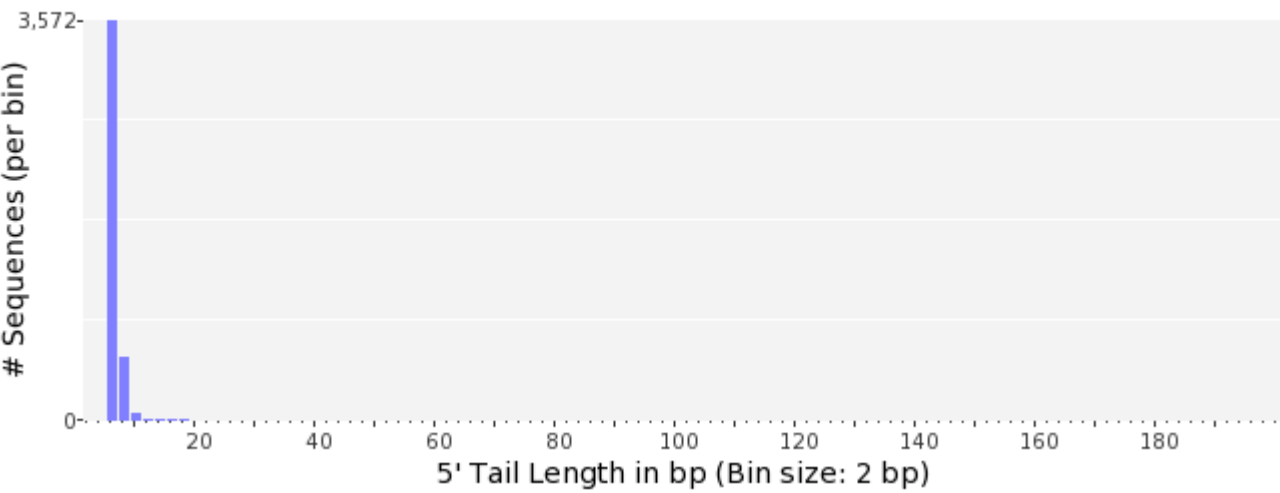
Sequences with N: **64,804 (4.74 %)**

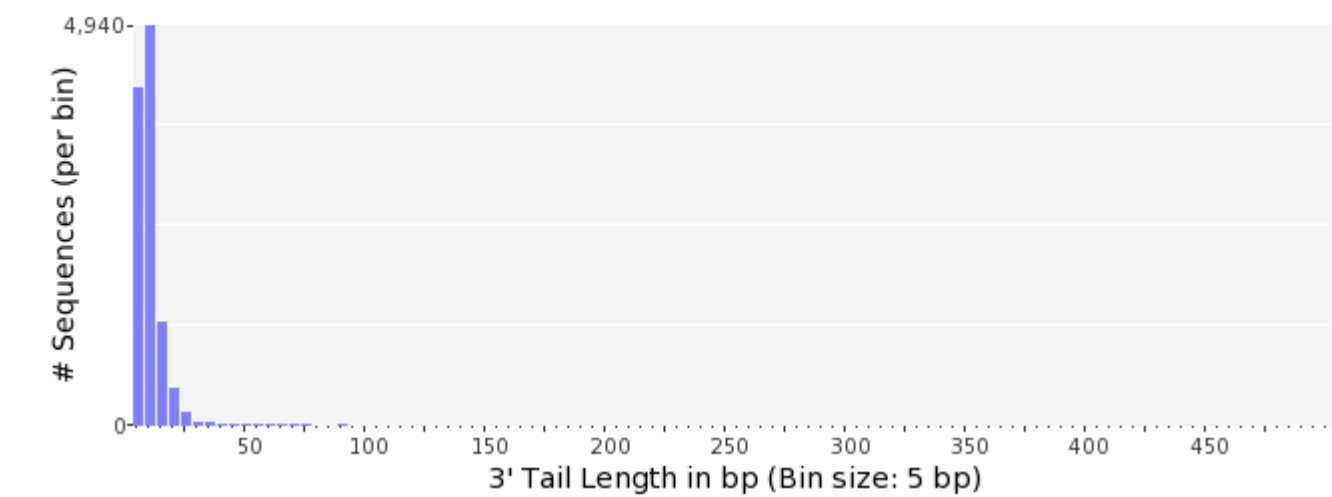
Max percentage of Ns per sequence: **39 %**



Poly-A/T Tails

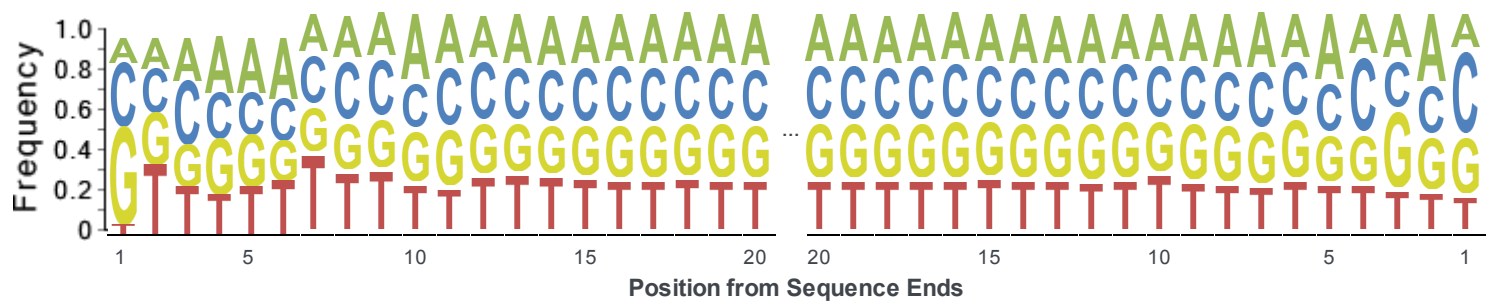
	5'-end	3'-end
Sequences with tail:	4,282 (0.31 %)	11,422 (0.84 %)
Maximum tail length:	133	408





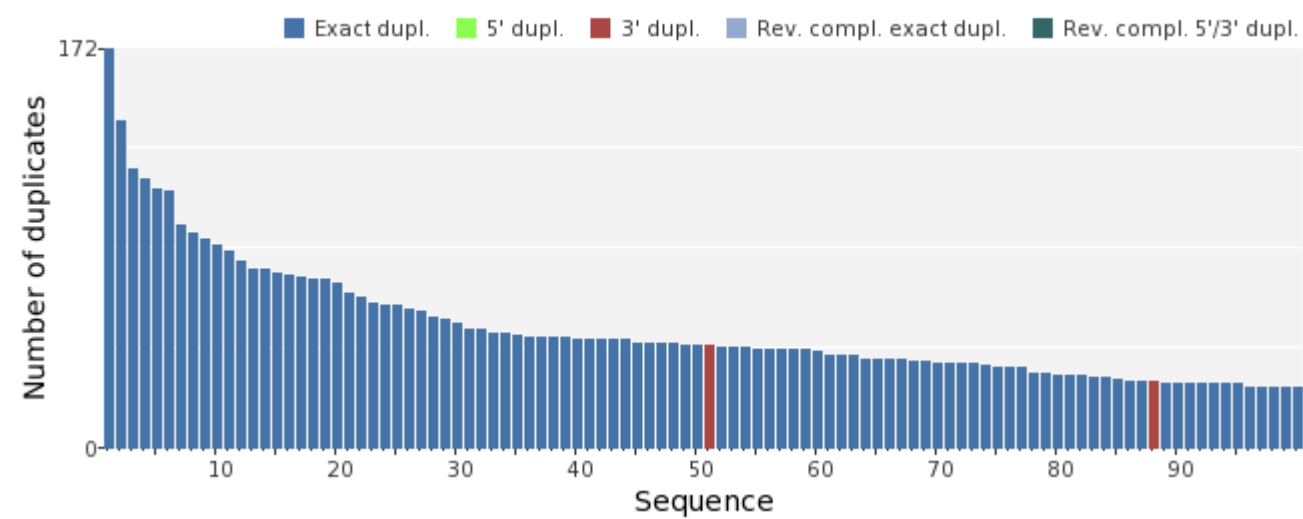
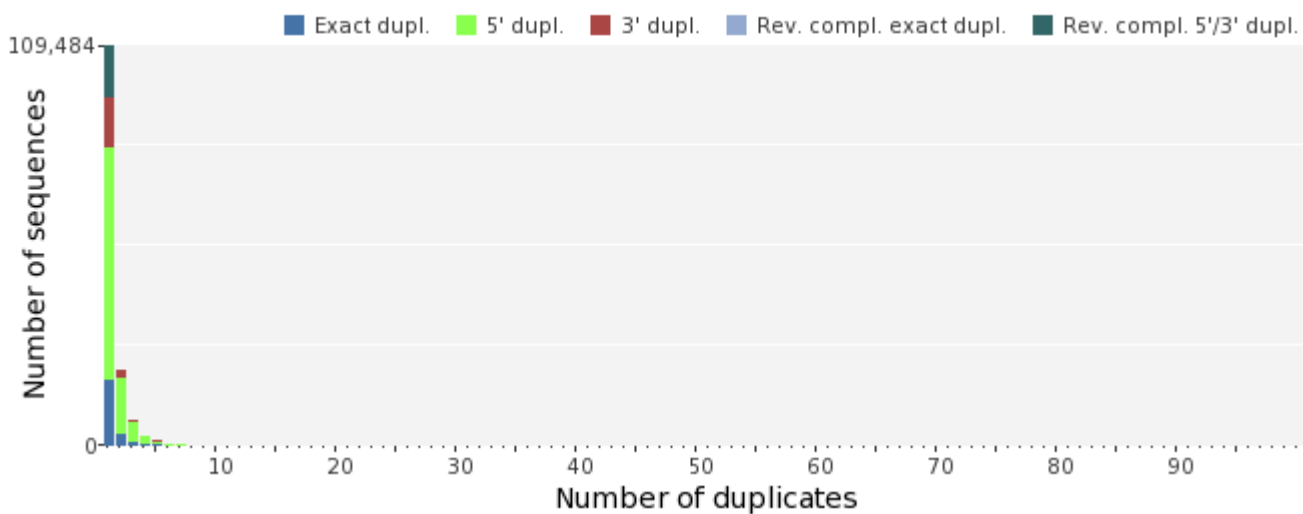
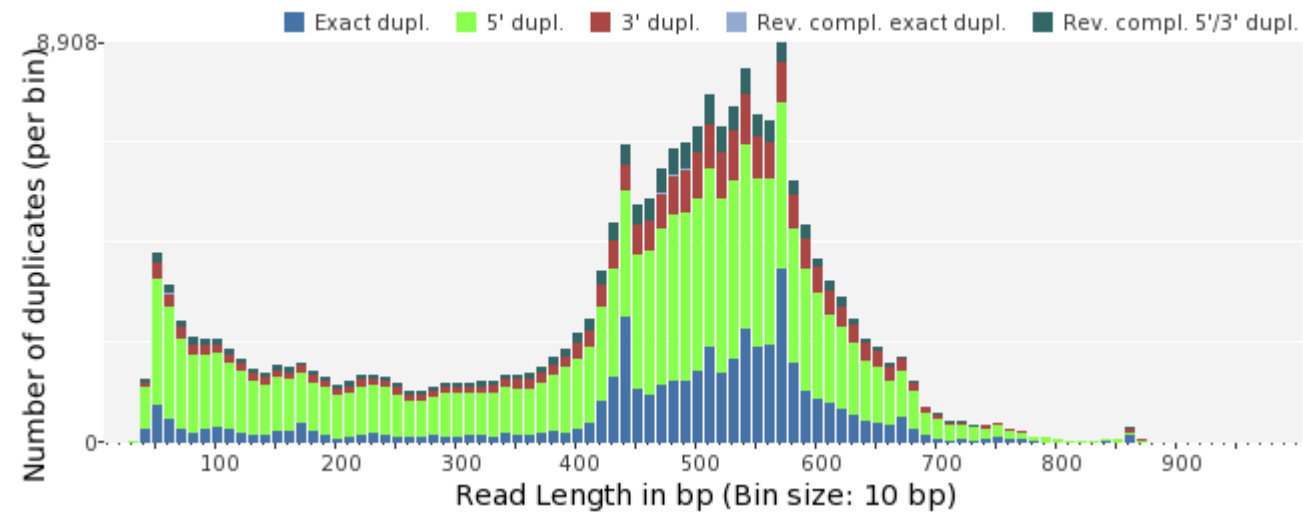
Tag Sequence Check

5'-end 3'-end
Probability of tag sequence: 0 % 9 %
GSMIDs or RLMIDs: none



Sequence Duplication

	# Sequences	Max duplicates
Exact duplicates:	48,319 (3.53 %)	172
Exact duplicates with reverse complements:	147 (0.01 %)	1
5' duplicates	125,348 (9.17 %)	14
3' duplicates	26,108 (1.91 %)	45
5'/3' duplicates with reverse complements	14,605 (1.07 %)	3
Total:	214,527 (15.69 %)	-

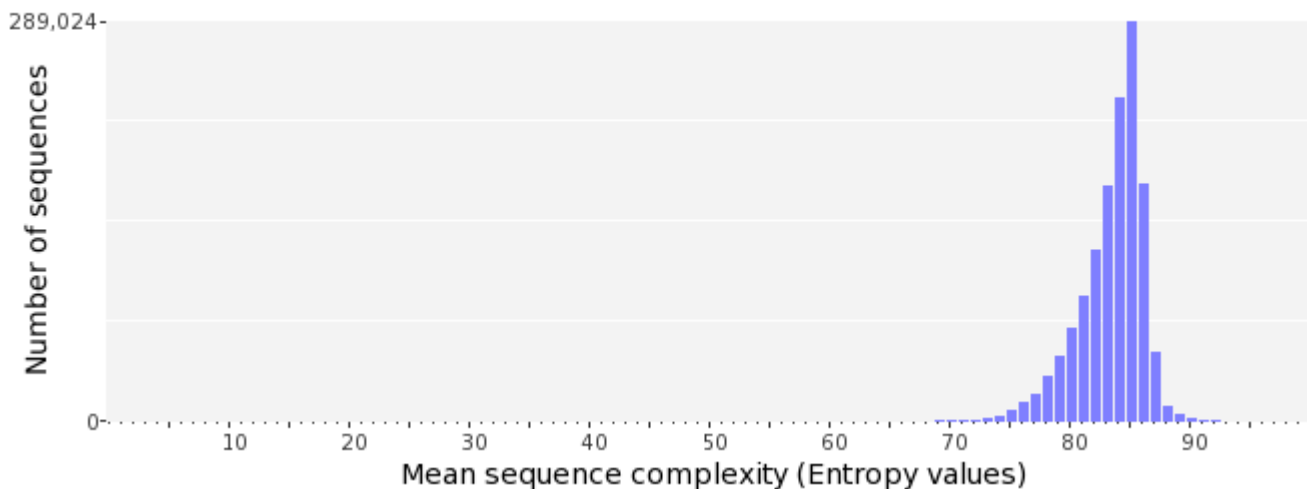


Sequence Complexity

	Value	Sequence
Minimum DUST score:	0	ACGCCCTCGACCTATTCTCAACTTAATAGGTA

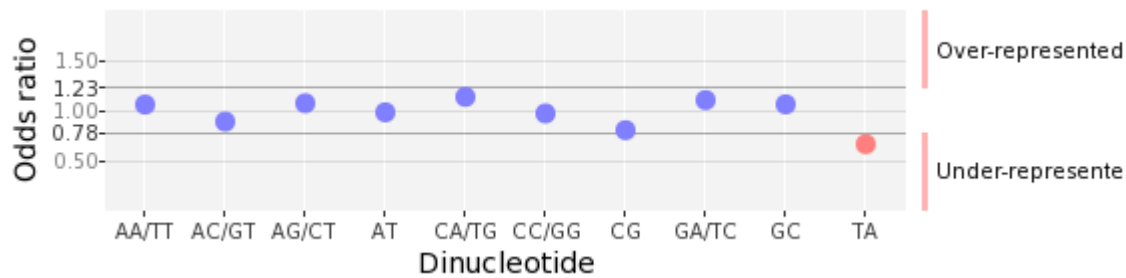
[illegible][illegible]

CTCACTTCCCGCTGCGGGAAGTGAG



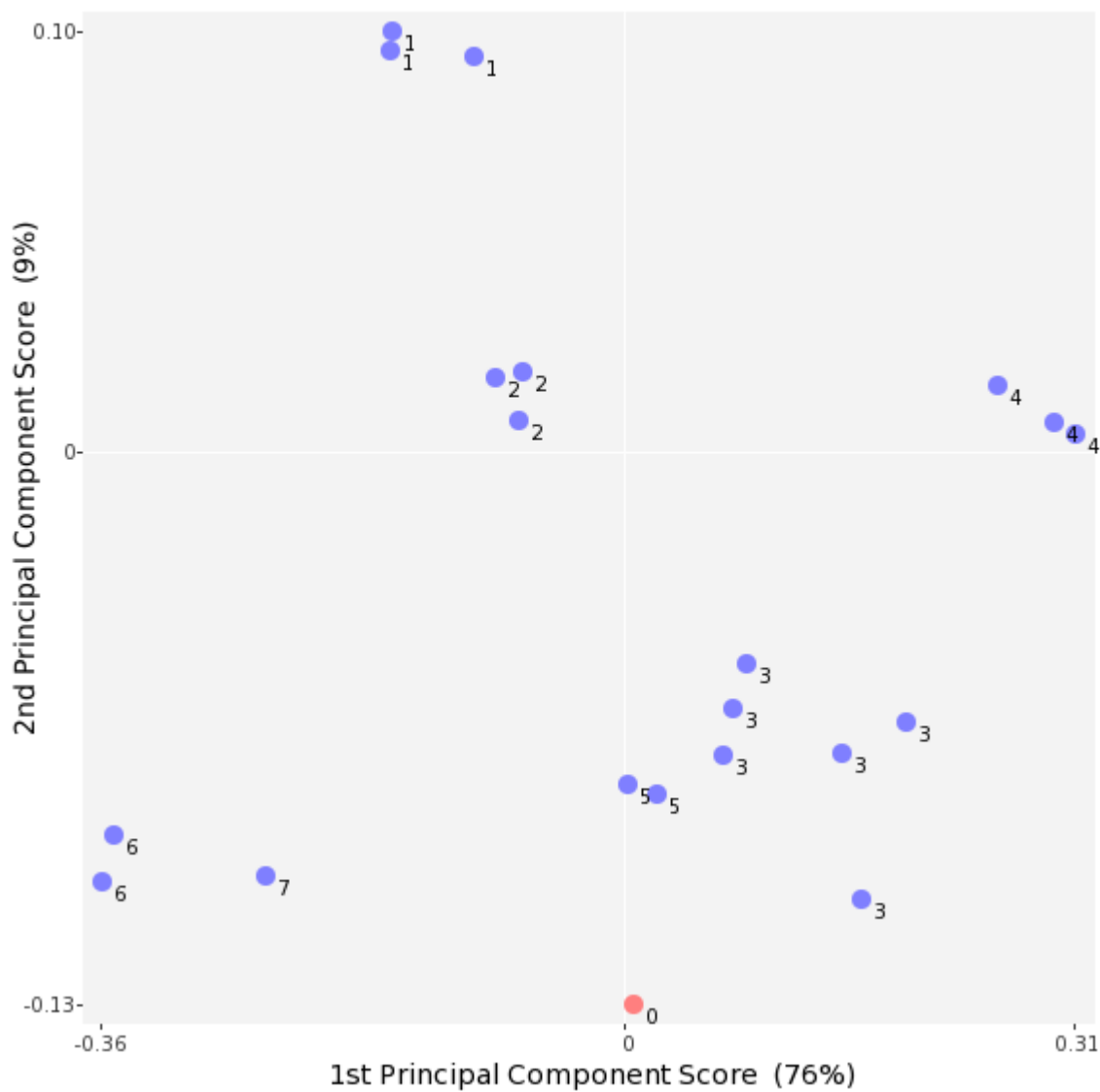
Dinucleotide Odds Ratios

	AA/TT	AC/GT	AG/CT	AT	CA/TG	CC/GG	CG	GA/TC	GC	TA
Odds ratio	1.0582	0.8883	1.0717	0.9810	1.1347	0.9699	0.8031	1.1030	1.0606	0.6634



M

0 - User input 1 - Human (fecal) 2 - Mouse (fecal) 3 - Marine (coastal)
4 - Marine (open ocean) 5 - Marine (estuary) 6 - Fish (gut) 7 - Fish (slime)





0 - User input 1 - Human (fecal) 2 - Human (nasal) 3 - Human (sputum)
 4 - Human (sputum, CF) 5 - Freshwater (Hot spring) 6 - Freshwater (Antartic lake)
 7 - Freshwater (reclaimed) 8 - Mouse (brain tissue) 9 - Fish (gut) 10 - Mosquito

