

PRINSEQ-graphs v0.6 HTML Report

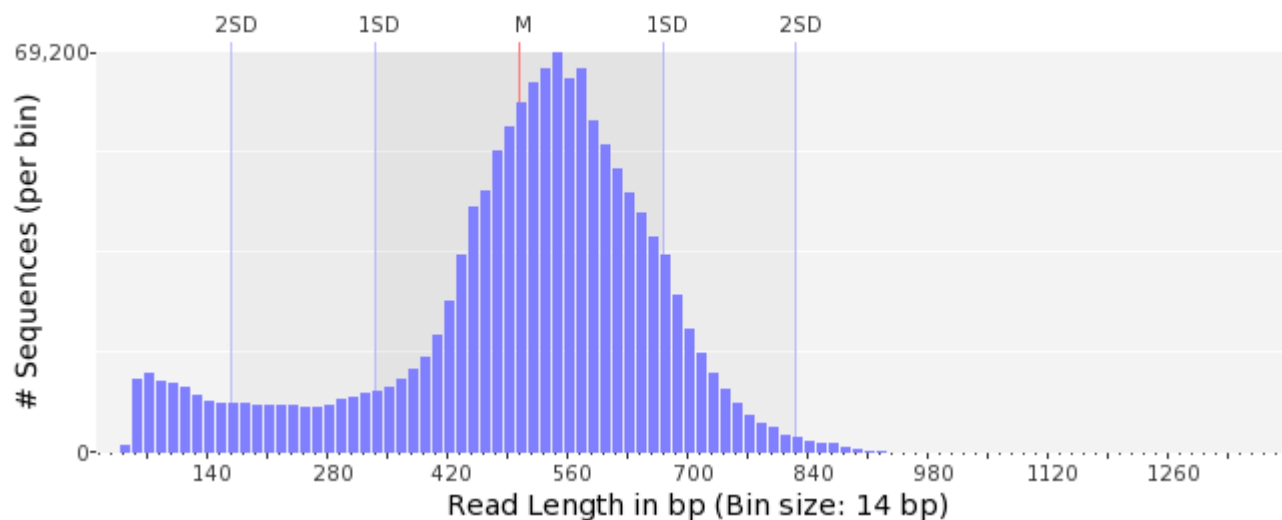
[Generated: 02/05/2014 11:49:57]

Input Information

Input file(s): **pnapo.reads.fna and pnapo.reads.qvl**
Input format(s): **FASTA and QUAL**
Sequences: **1,378,523**
Total bases: **682,198,061**

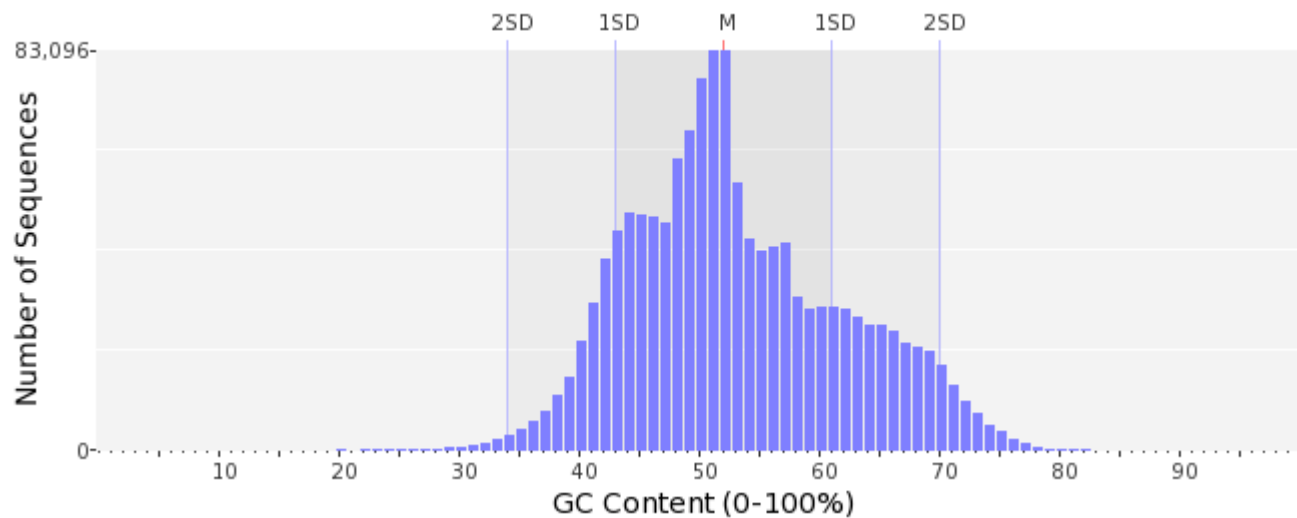
Length Distribution

Mean sequence length: **494.88 ± 164.45 bp**
Minimum length: **24 bp**
Maximum length: **1,315 bp**
Length range: **1,292 bp**
Mode length: **536 bp with 5,081 sequences**

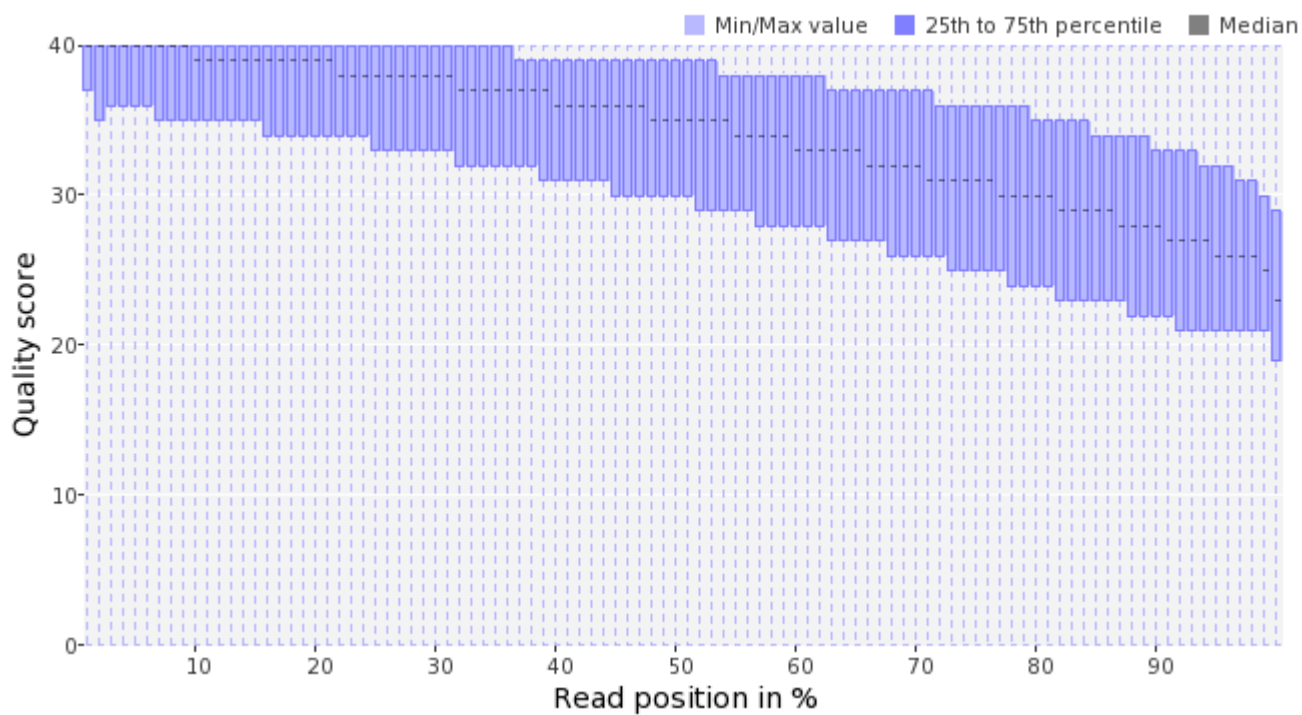


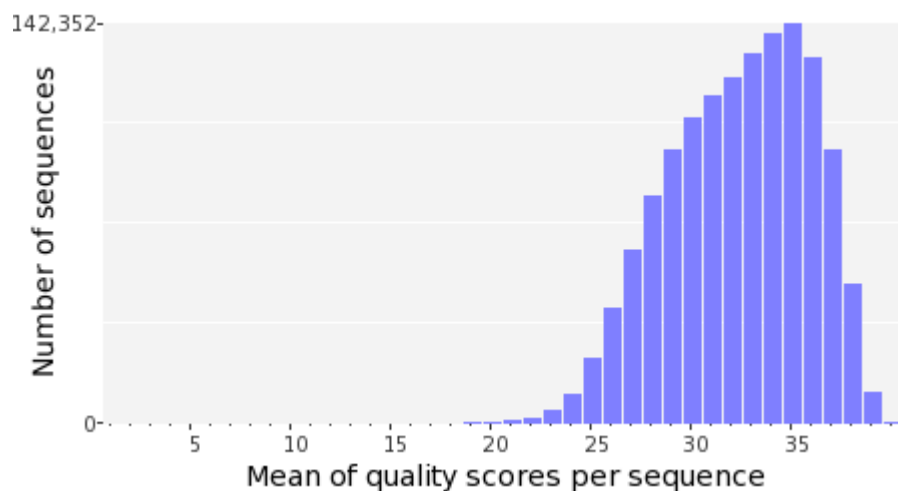
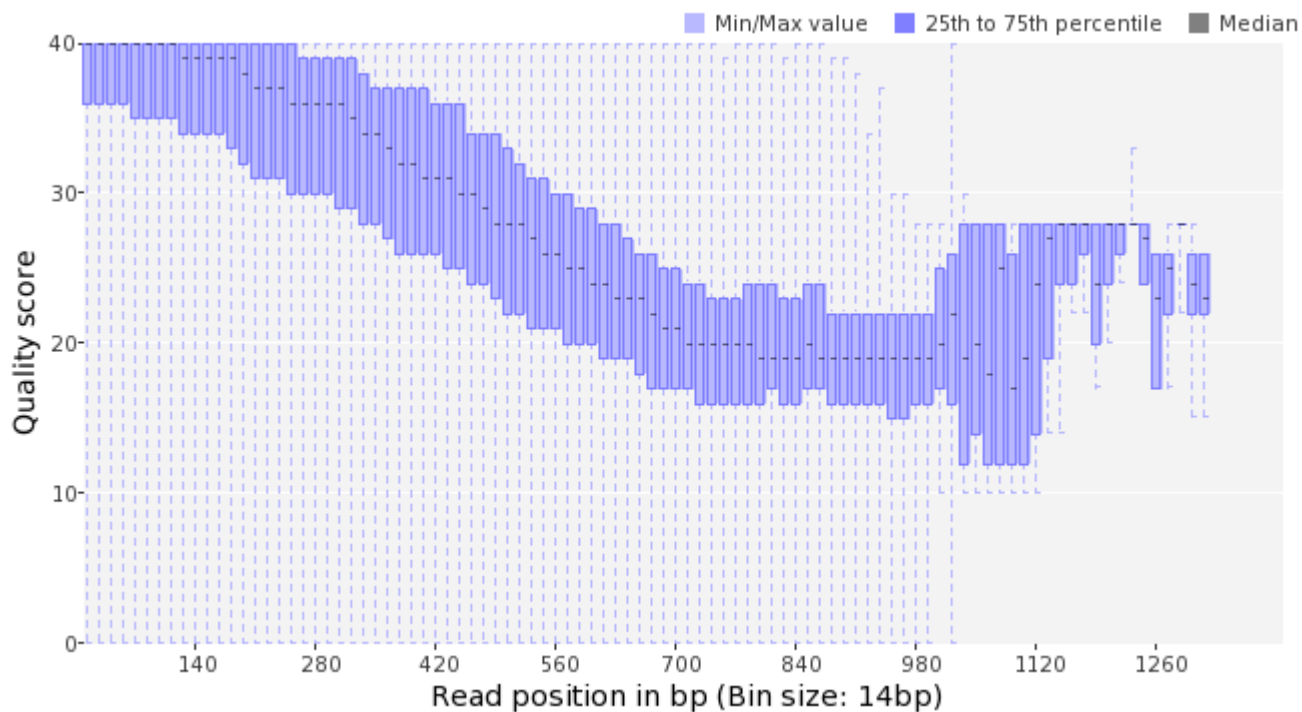
GC Content Distribution

Mean GC content: **52.85 ± 9.13 %**
Minimum GC content: **0 %**
Maximum GC content: **93 %**
GC content range: **94 %**
Mode GC content: **51 % with 83,094 sequences**



Base Quality Distribution

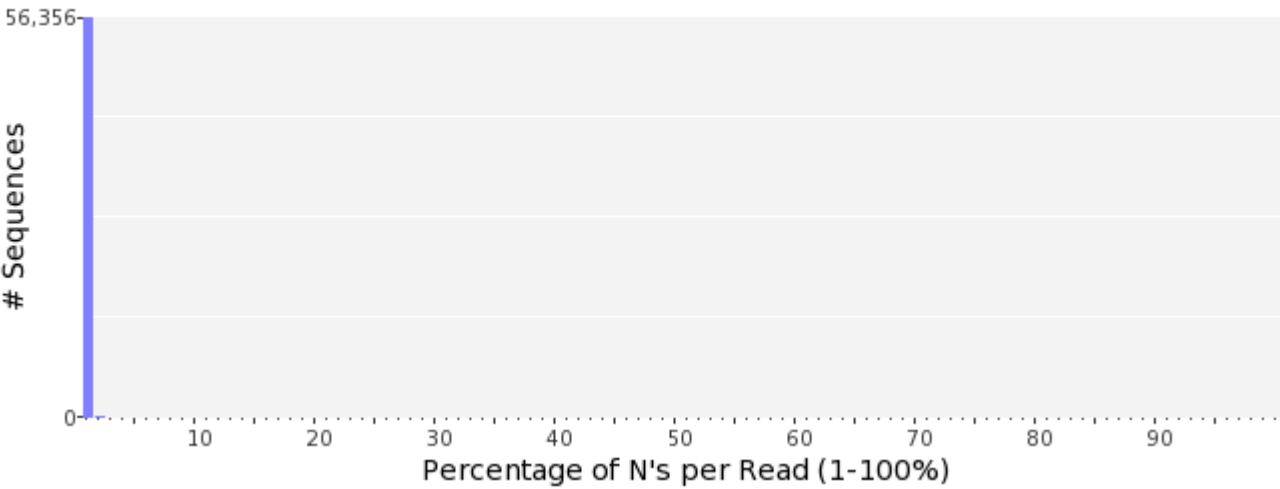




Occurrence of N

Sequences with N: **56,896 (4.13 %)**

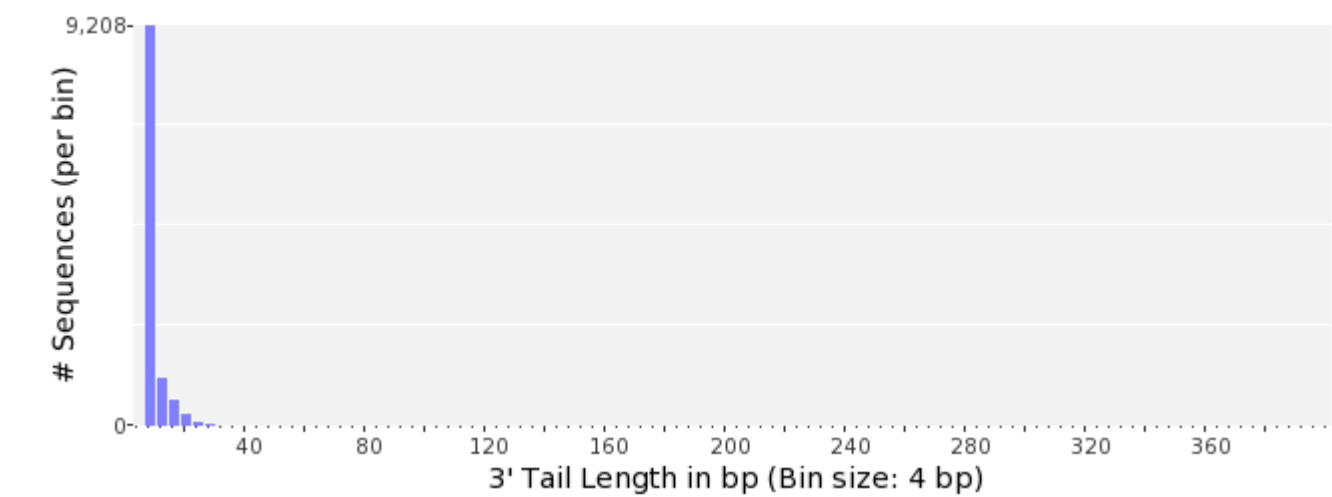
Max percentage of Ns per sequence: **40 %**



Poly-A/T Tails

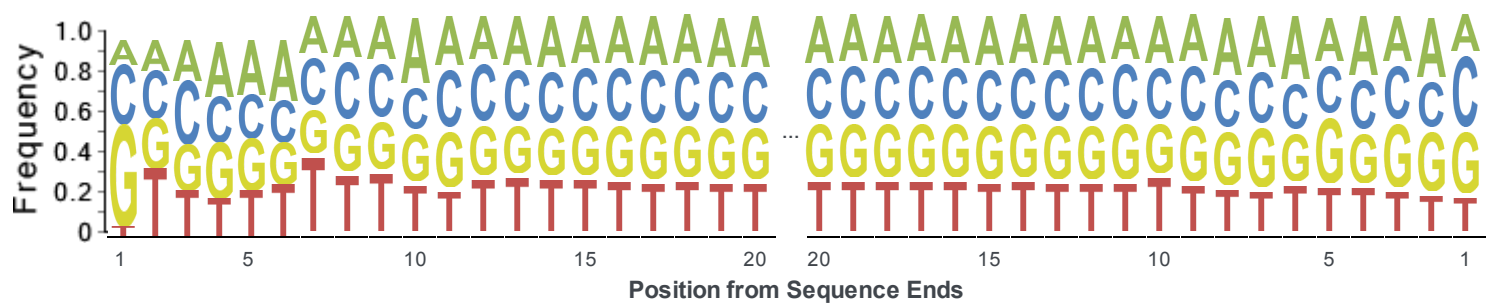
	5'-end	3'-end
Sequences with tail:	3,840 (0.28 %)	11,444 (0.83 %)
Maximum tail length:	123	315





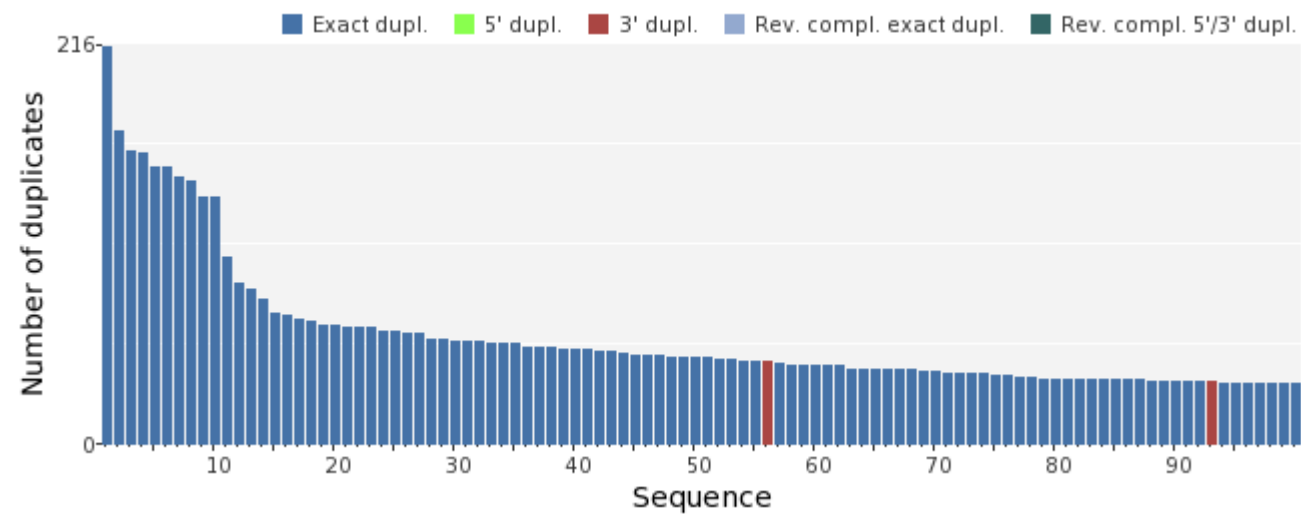
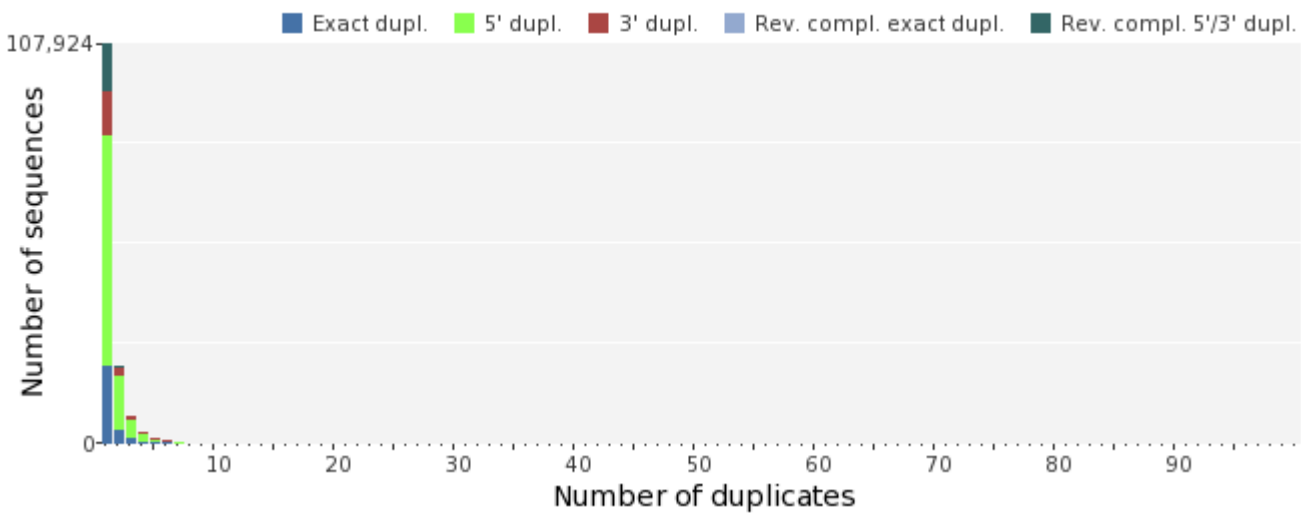
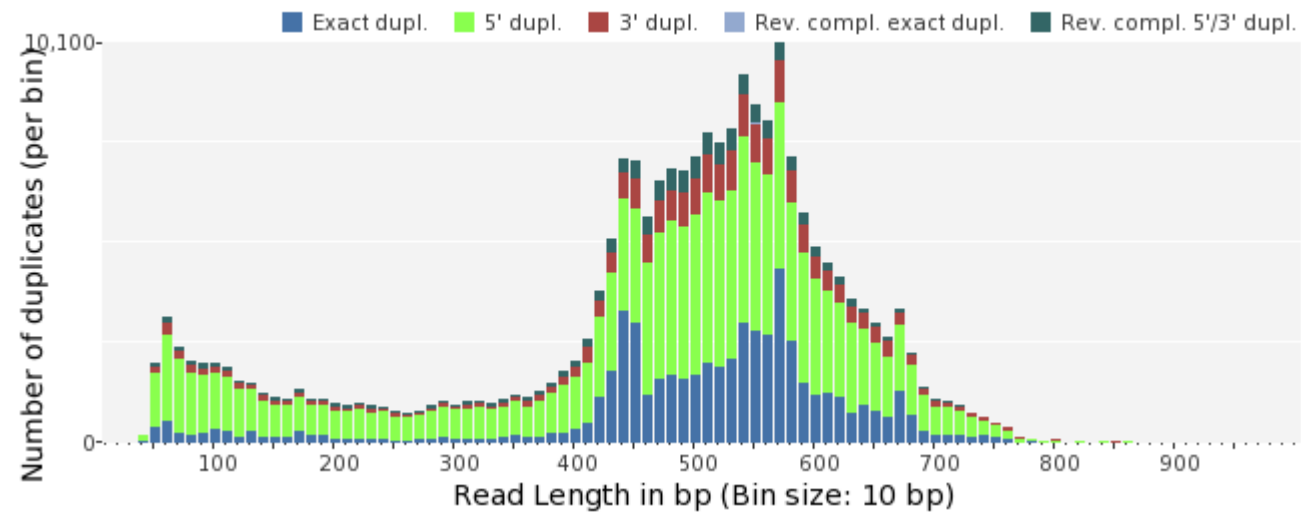
Tag Sequence Check

5'-end 3'-end
Probability of tag sequence: 0 % 12 %
GSMIDs or RLMIDs: none



Sequence Duplication

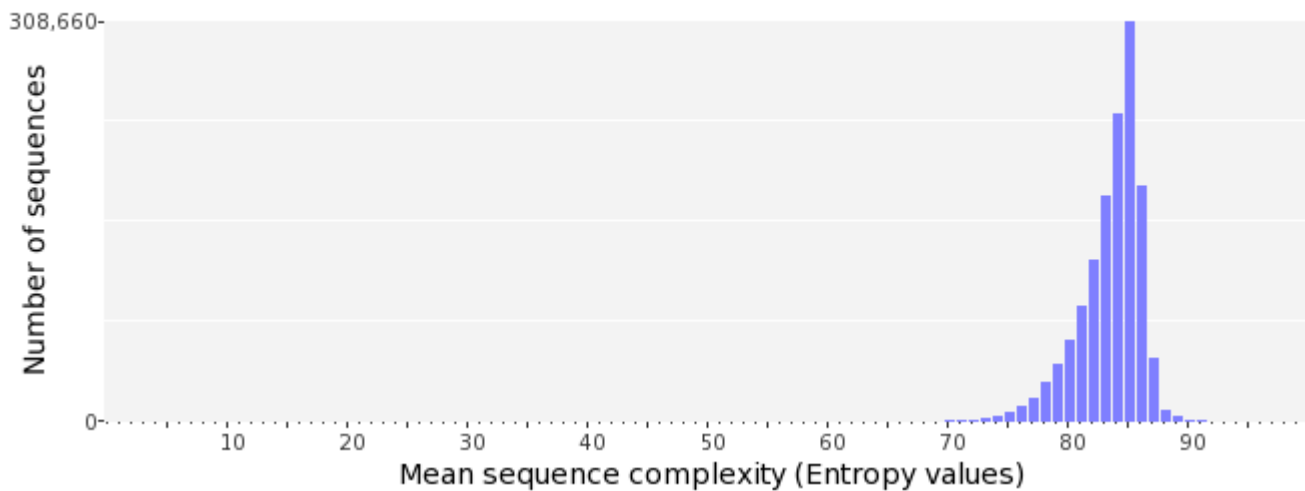
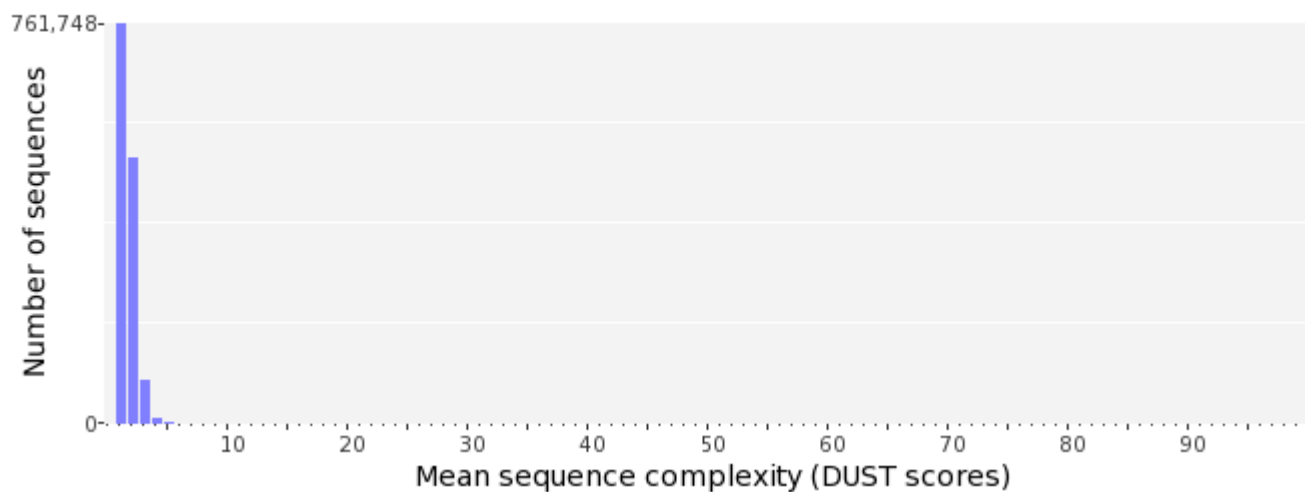
	# Sequences	Max duplicates
Exact duplicates:	58,280 (4.23 %)	215
Exact duplicates with reverse complements:	101 (0.01 %)	1
5' duplicates	125,279 (9.09 %)	14
3' duplicates	24,129 (1.75 %)	45
5'/3' duplicates with reverse complements	12,978 (0.94 %)	3
Total:	220,767 (16.01 %)	-



Sequence Complexity

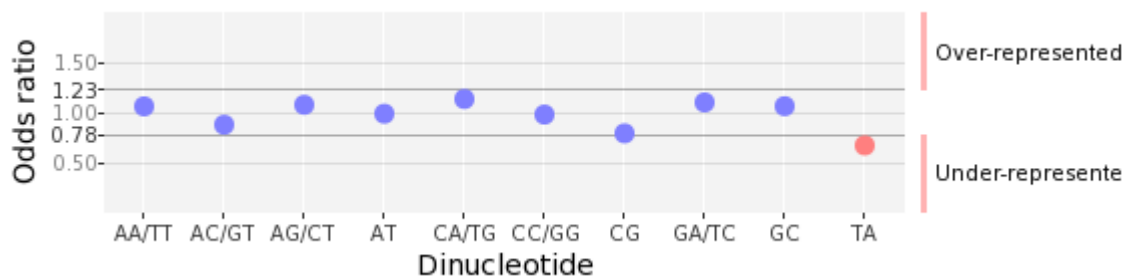
	Value	Sequence
Minimum DUST score:	0	CCAACAACCTGAATGGAGACACCTATACTTCTAGGACGCCATTGTC

Maximum DUST score:	97	ATTT TTTTTTTTT
Minimum Entropy value:	1	ATTT TTTTTTTTT
Maximum Entropy value:	98	CTTGAGACTAACC CGTGC GACACGGGTTAGTCTCAAG



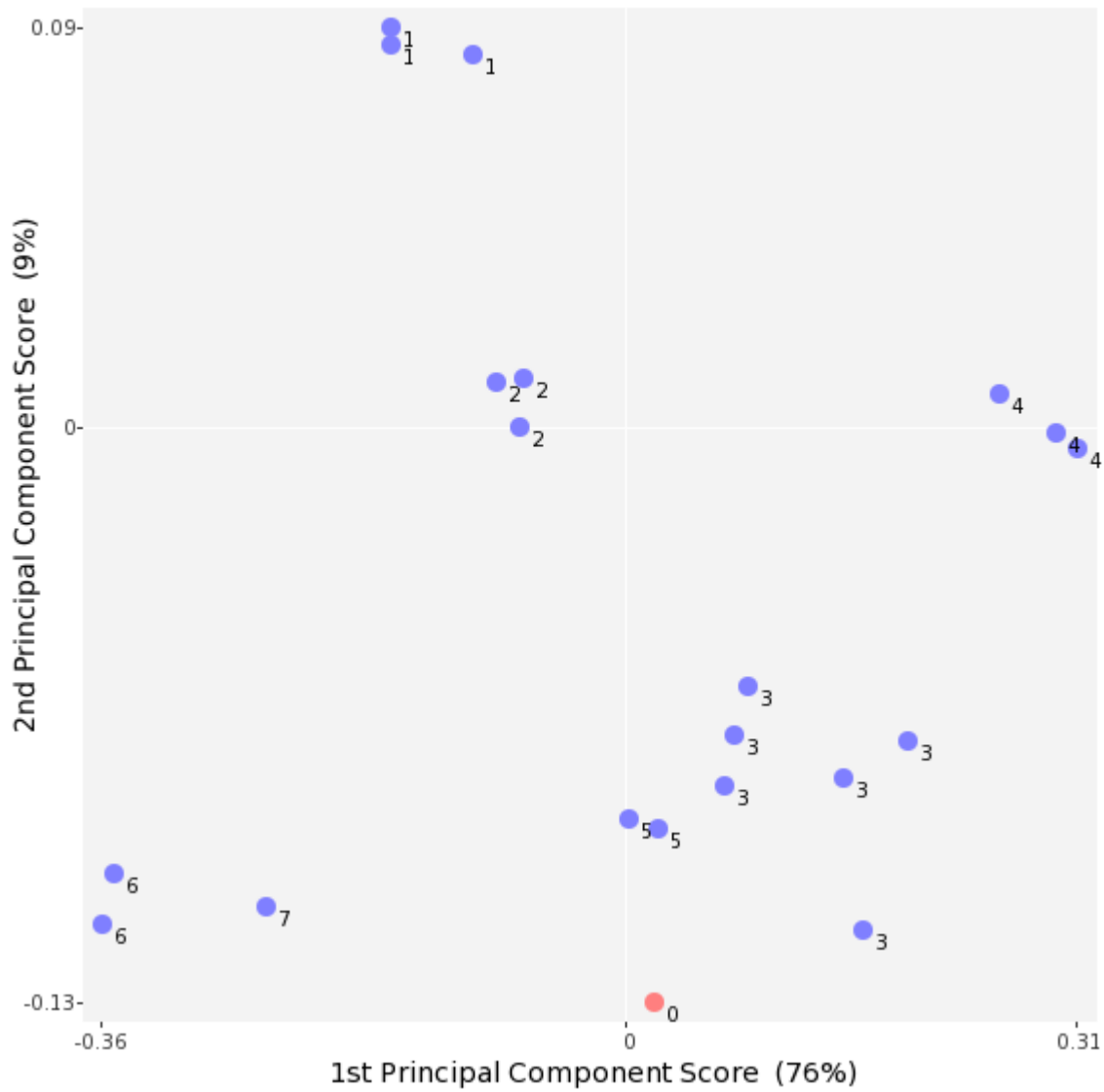
Dinucleotide Odds Ratios

	AA/TT	AC/GT	AG/CT	AT	CA/TG	CC/GG	CG	GA/TC	GC	TA
Odds ratio	1.0604	0.8773	1.0757	0.9872	1.1338	0.9785	0.7912	1.0998	1.0623	0.6710





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

