

Fastq quality data.

Your Name here

April 16, 2015

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1 Project characteristics

Project characteristics

Contact

Phone

Institute

Mail

Start date

2 Global summaries

Input data: Summarized data on FASTQ files.

```
[fastqq] File ( 1/2) '/private/tmp/RtmpmvB5Jt/Rinst1375714b6df05/seqTools/extdata/g4
```

```
[fastqq] File ( 2/2) '/private/tmp/RtmpmvB5Jt/Rinst1375714b6df05/seqTools/extdata/g5
```

Printout of Fastqq object:

```
> fqq

Class      :      Fastqq
nFiles     :           2
maxSeqLen  :          101
k (Kmer len):          4

nReads     :          200
nr  N   nuc :           2
Min seq len :          101
Max seq len :          101
```

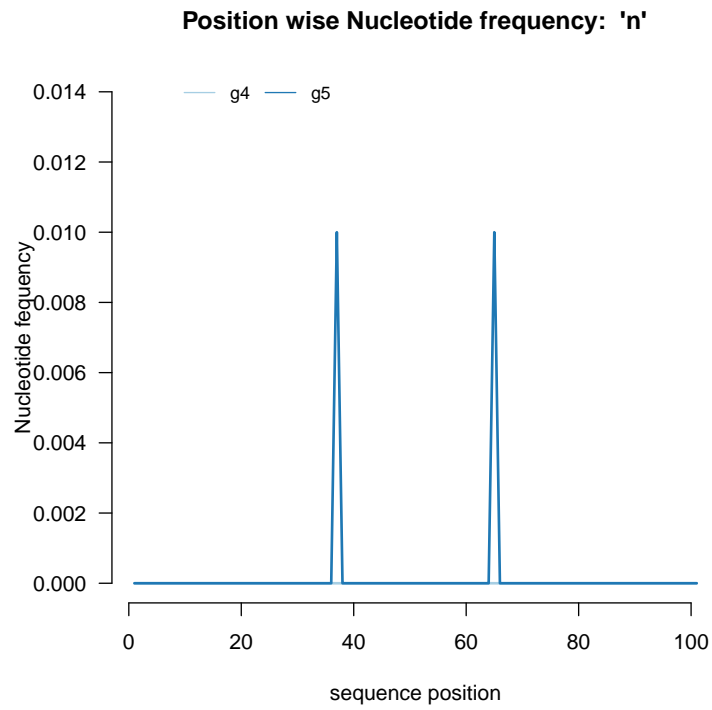
2.1 Project names and read numbers

```
> dfr<-data.frame(file=basename(fileName(fqq)),
+                 sample=probeLabel(fqq),
+                 reads=format(nReads(fqq), big.mark=Sys.localeconv()[7]))
> print(dfr)
```

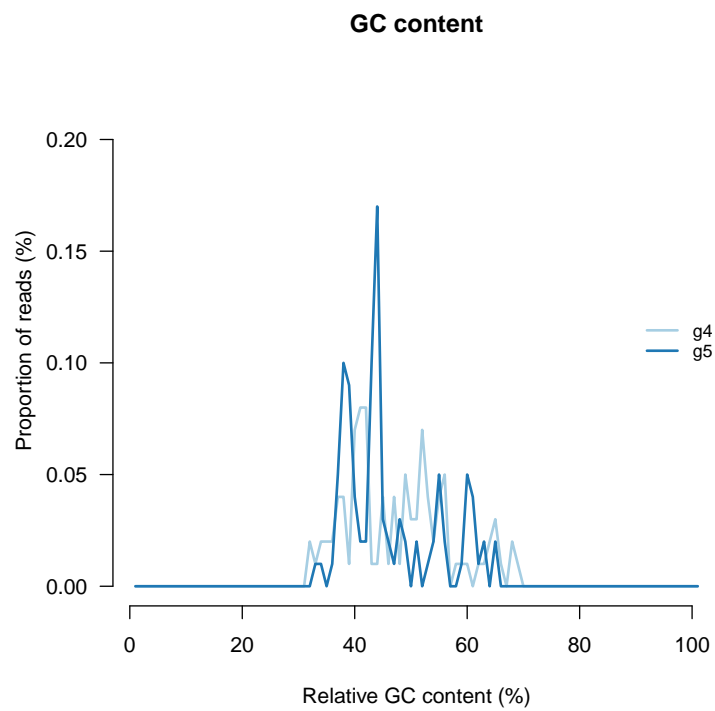
```
      file sample reads
1 g4_l101_n100.fq.gz    g4   100
2 g5_l101_n100.fq.gz    g5   100
```

3 Nucleotide patterns

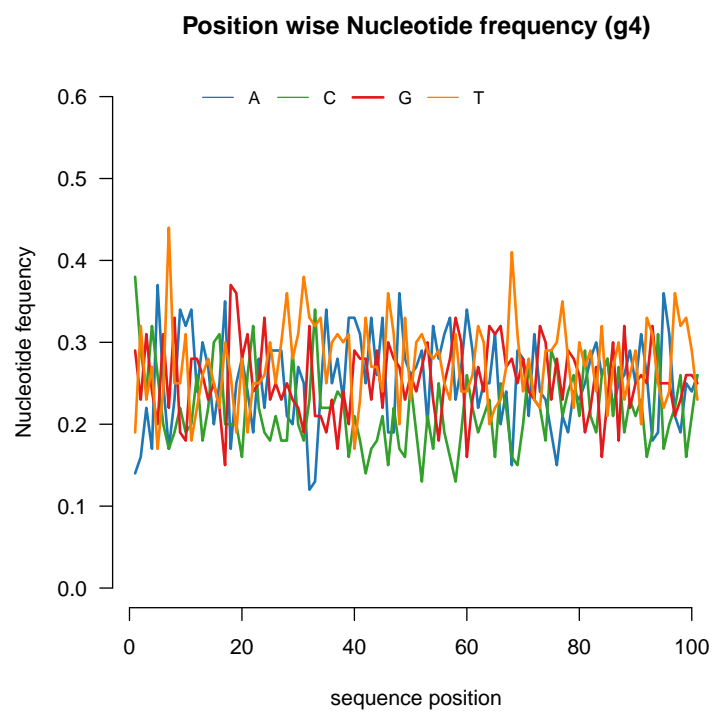
3.1 N nucleotides

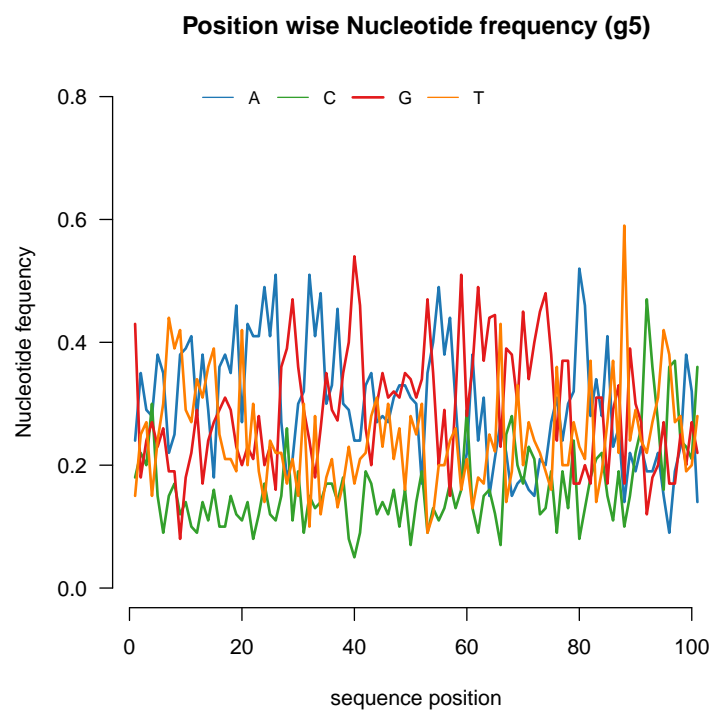


3.2 GC content

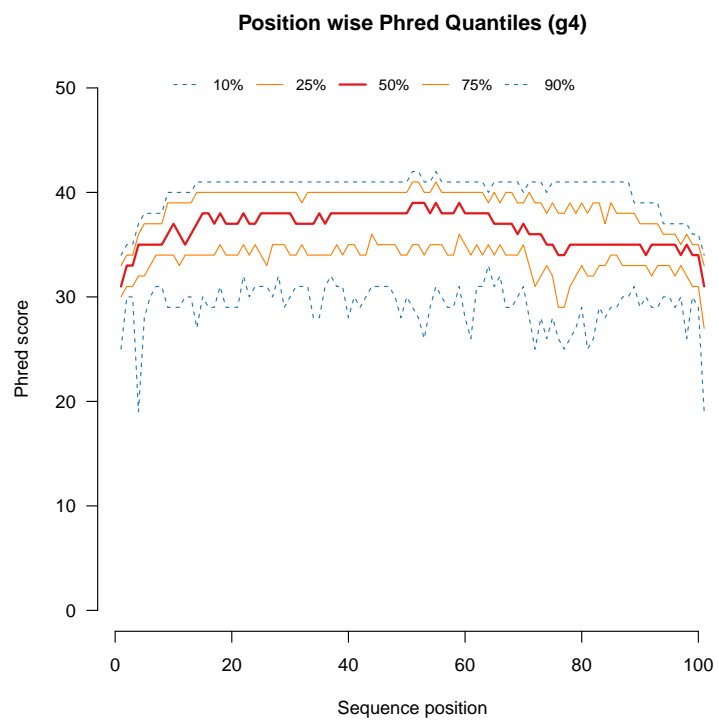


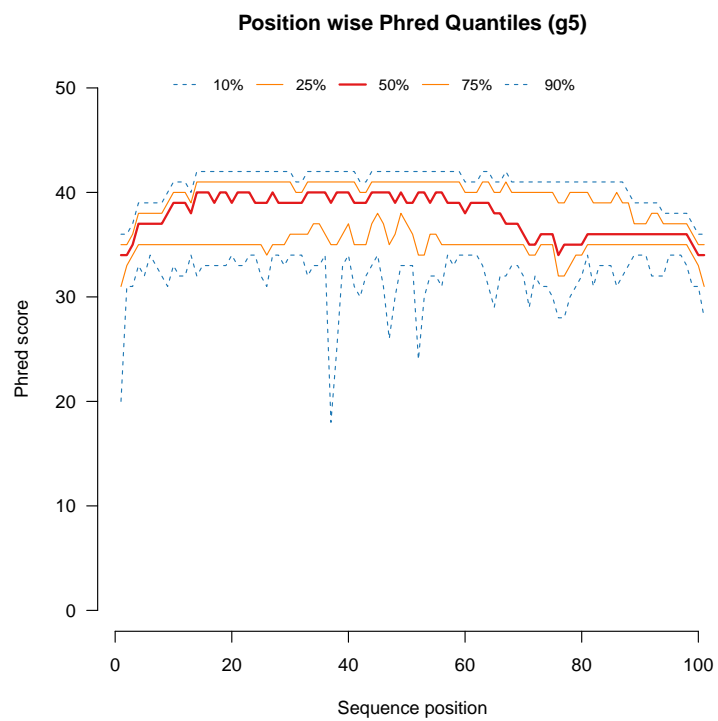
3.3 Nucleotide frequencies





4 Phred qualities





5 Hierarchical clustering

| | |
|------|---|
| 1_g4 | 1 |
| 2_g5 | 2 |

