```
> # load ShortRead
> library(ShortRead)
>
> # Check quality
> quality(fqsample)
class: FastqQuality
quality:
  A BStringSet instance of length 500
      width seq
  [1]    50 ?@@DDDDDHDFDHE>AHFEGFIIEBGDBHH<3FEBEEEEGGIGIIGHGHC
  [2]    50 BCCDFFFFHHHHHJJJJJJJJJEHHGHIJJJJJJJJJJJJJGHHFFFF
  [3]    50 BCCFFFFFHFHHHHJJJJJJIIJJIIIIIGIIJJIJGIJIIIIJHIJJJJI
  [4]    50 CCCFFFFFHHHHHJJJJJJJJJJIJJJJJJJJJJJJJJJJJJJJJJJI
  [5]    50 CC@FFFFFHHHHGJJJJJJJHIIGIJCHIGHHHFFDDDDDDDDDDDEDD
  ...    ... ...
[496]    50 CCCFFFFFHHHHHJJJJJJJGGHIIIJJJJJJJJJJIJJJJJJJHHHF
[497]    50 ##################################################
[498]    50 CBCFFFFFHHHHGJJHIJIJJJJJJJIJJJIJHIIIJJJJJJJIJJHHFF
[499]    50 ##################################################
[500]    50 CCCFFFFFHHHHHJJJJJIJJJIJJJIJJJIJJGGHHIJHIJJJJIJJIJ
>
> # Check encoding
> encoding(quality(fqsample))
 !  "  #  $  %  &  '  (  )  *  +  ,  -  .  /  0  1  2  3  4  5  6  7  8  9  :
 0  1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
 ;  <  =  >  ?  @  A  B  C  D  E  F  G  H  I  J  K  L  M  N  O  P  Q  R  S  T
26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51
 U  V  W  X  Y  Z  [ \\  ]  ^  _  `  a  b  c  d  e  f  g  h  i  j  k  l  m  n
52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77
 o  p  q  r  s  t  u  v  w  x  y  z  {  |  }  ~
78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93
>
> # Check base quality
> qaSummary[["baseQuality"]]
  score  count lane
1          0  1
2    !     0  1
3    "     0  1
4    # 187191  1
5    $     0  1
6    %     0  1
7    &   106  1
8    '  1181  1
```

```
9    (  2539   1
10   )  7582   1
11   *  3760   1
12   +  8105   1
13   ,  1776   1
14   -  1237   1
15   .  1344   1
16   /  1358   1
17   0  6176   1
18   1  8301   1
19   2  6484   1
20   3  7108   1
21   4  5981   1
22   5  4107   1
23   6  6134   1
24   7  8276   1
25   8  12491  1
26   9  11484  1
27   :  18777  1
28   ;  19662  1
29   <  31542  1
30   =  22919  1
31   >  17224  1
32   ?  62198  1
33   @  83790  1
34   A  59840  1
35   B  83007  1
36   C  147690 1
37   D  190664 1
38   E  78410  1
39   F  310879 1
40   G  174978 1
41   H  338268 1
42   I  347755 1
43   J  761476 1
44   K  0   1
45   L  0   1
46   M  0   1
47   N  0   1
48   O  0   1
49   P  0   1
50   Q  0   1
51   R  0   1
```

52	S	0	1
53	T	0	1
54	U	0	1
55	V	0	1
56	W	0	1
57	X	0	1
58	Y	0	1
59	Z	0	1
60	[	0	1
61	\\	0	1
62	]	0	1
63	^	0	1
64	_	0	1
65	`	0	1
66	a	0	1
67	b	0	1
68	c	0	1
69	d	0	1
70	e	0	1
71	f	0	1
72	g	0	1
73	h	0	1
74	i	0	1
75	j	0	1
76	k	0	1
77	l	0	1
78	m	0	1
79	n	0	1
80	o	0	1
81	p	0	1
82	q	0	1
83	r	0	1
84	s	0	1
85	t	0	1
86	u	0	1
87	v	0	1
88	w	0	1
89	x	0	1
90	y	0	1
91	z	0	1
92	{	0	1
93			0	1
94	}	0	1

95   ~   0   1