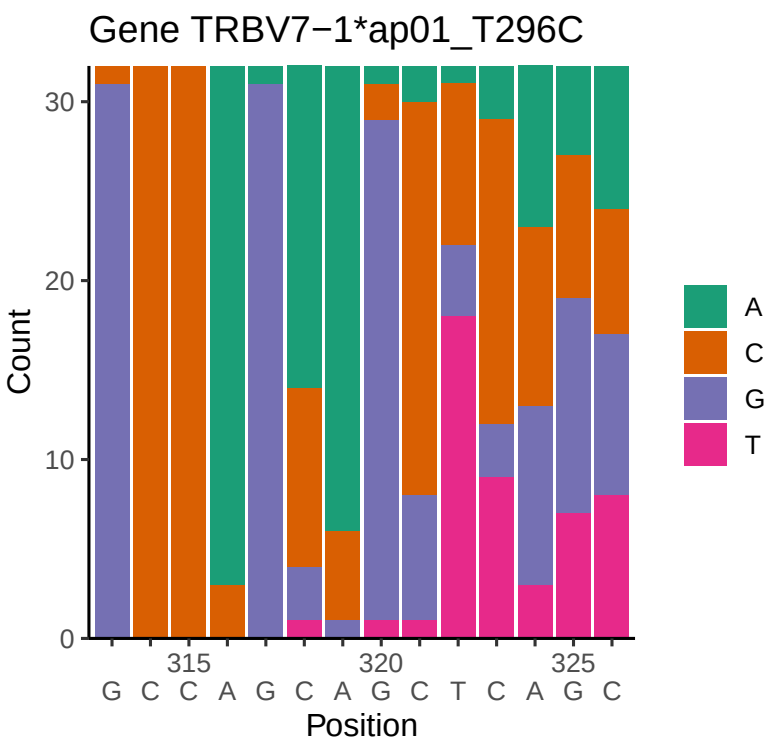
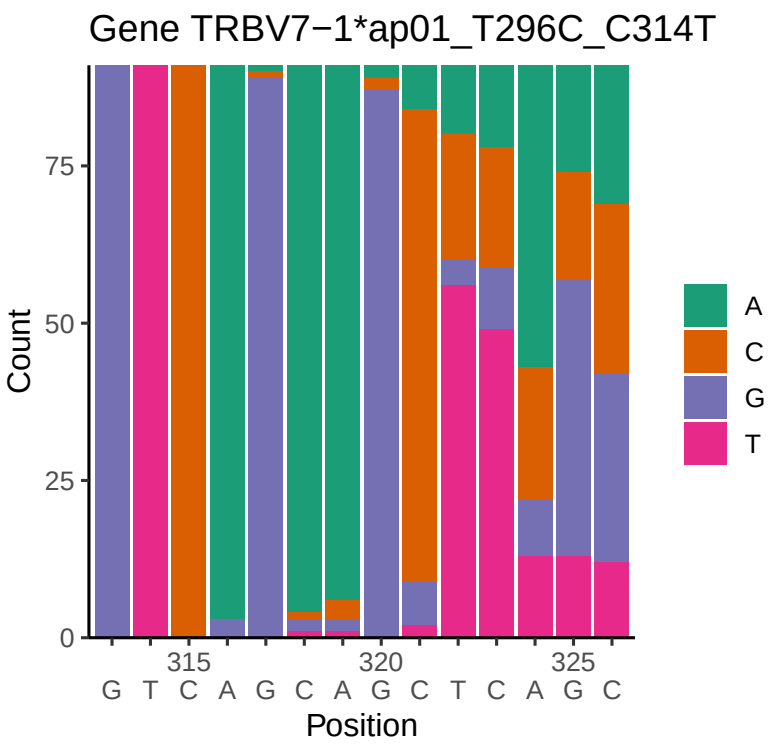
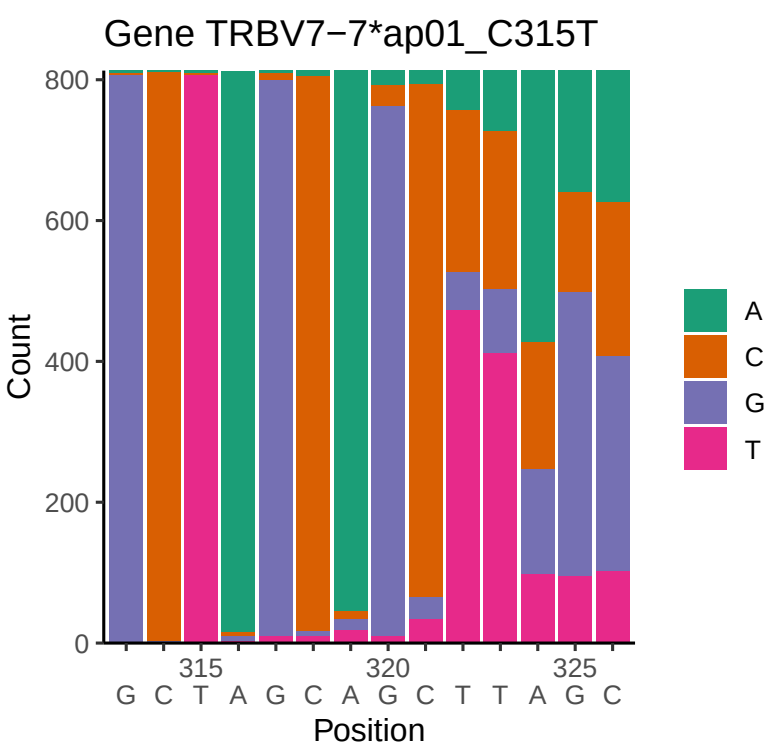
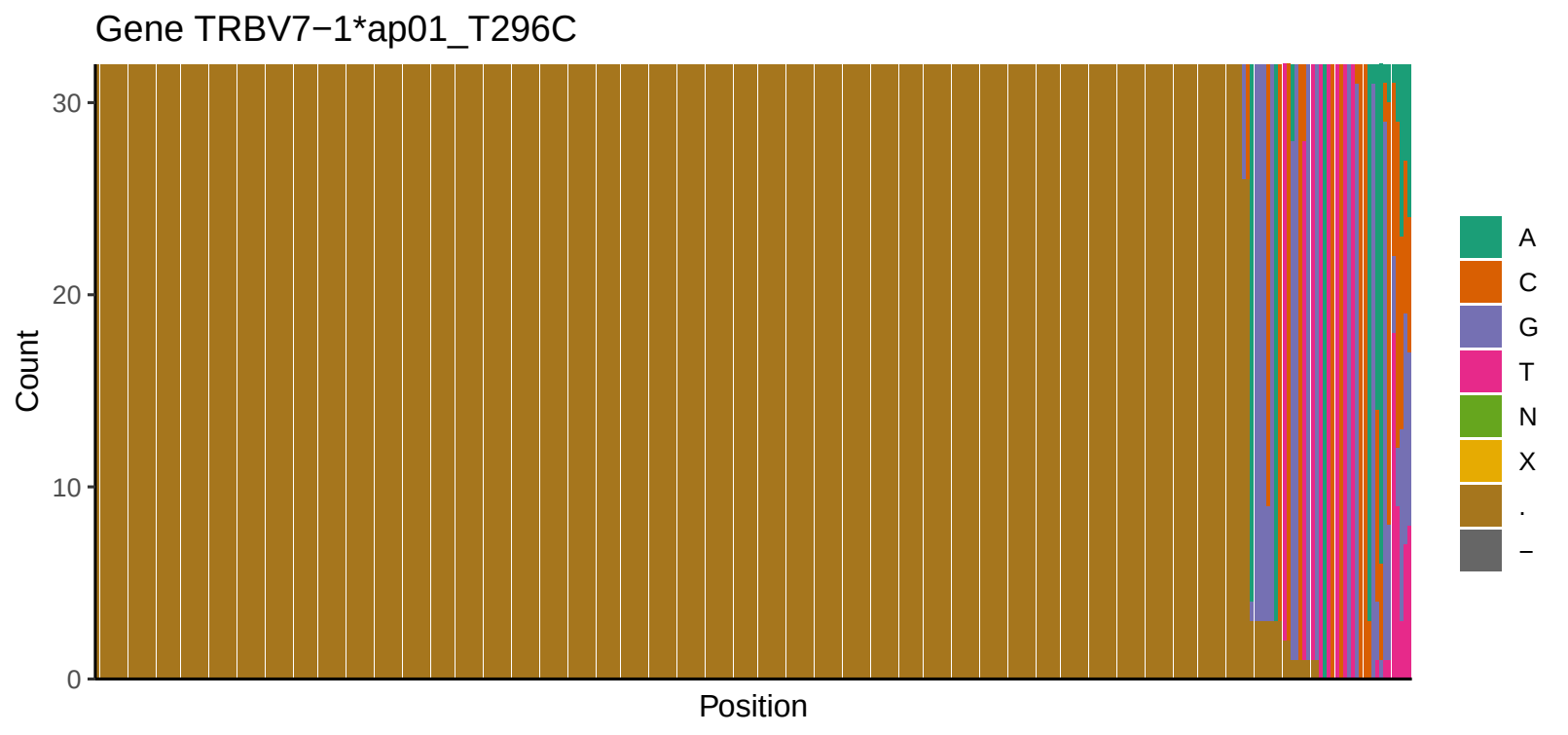
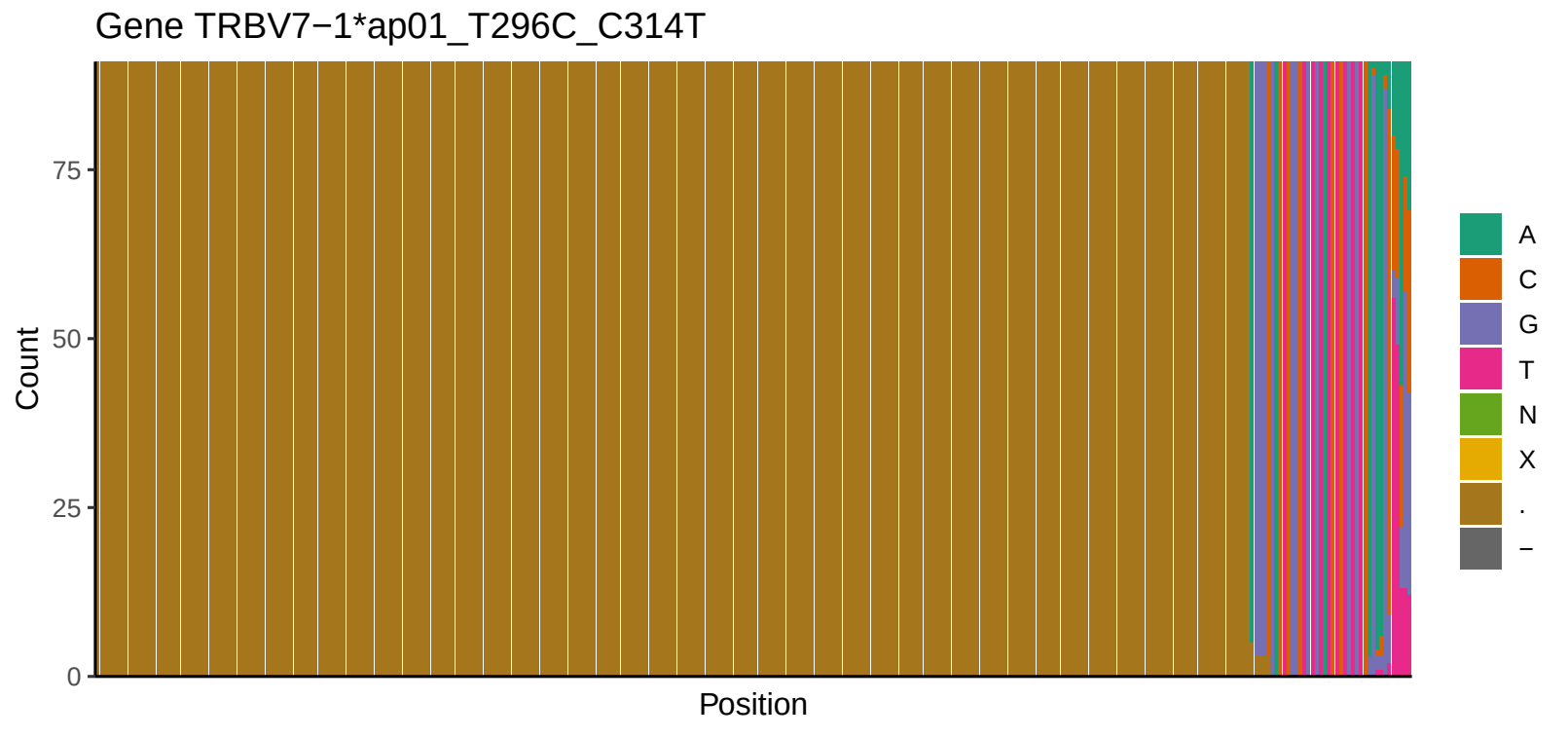
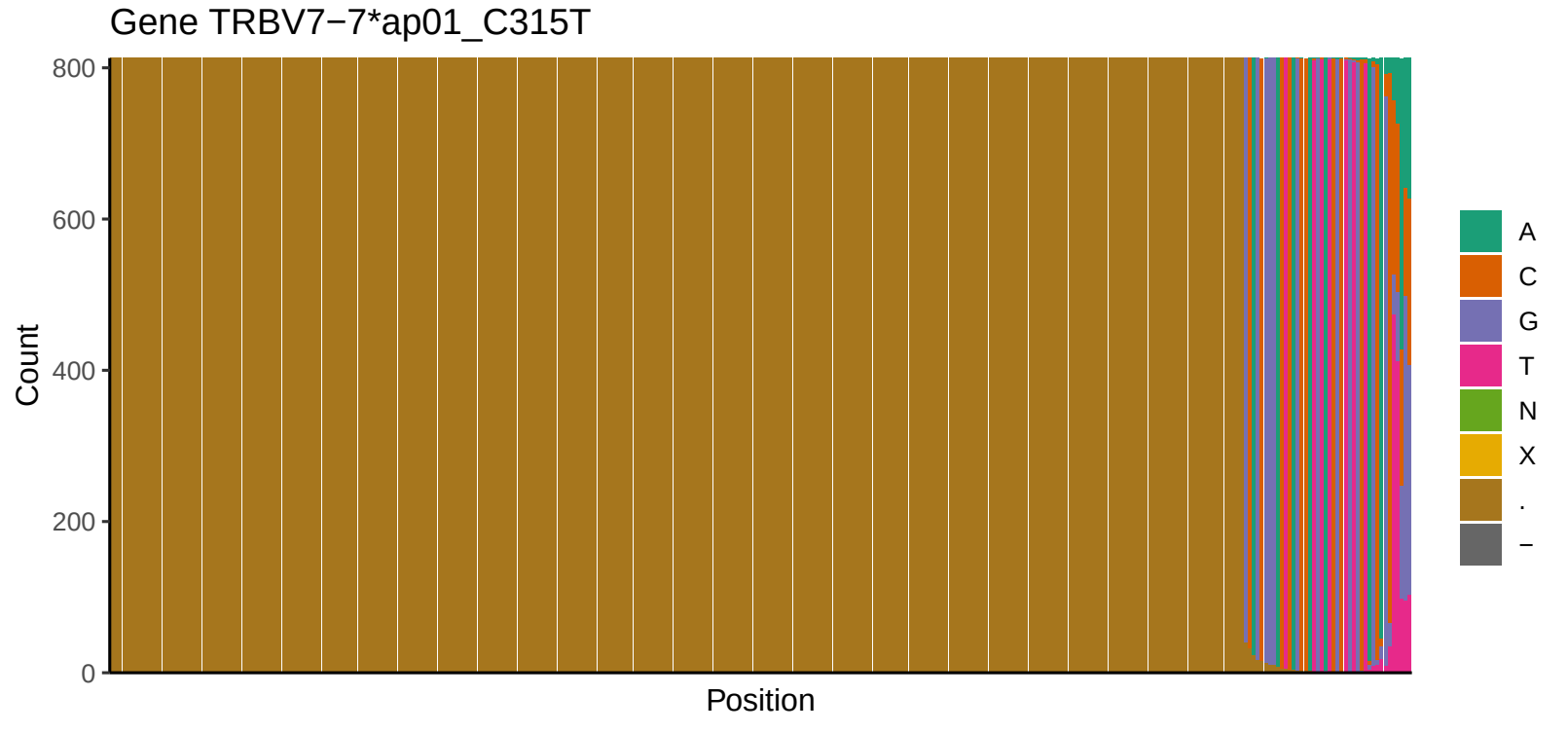

Gene TRBV7−1*ap01_T296C
Count
30
20
10
0
315
320
325
G C C A G C A G C T C A G C
Position
A
C
G
T


Gene TRBV7−1*ap01_T296C_C314T
Count
75
50
25
0
315
320
325
G T C A G C A G C T C A G C
Position
A
C
G
T

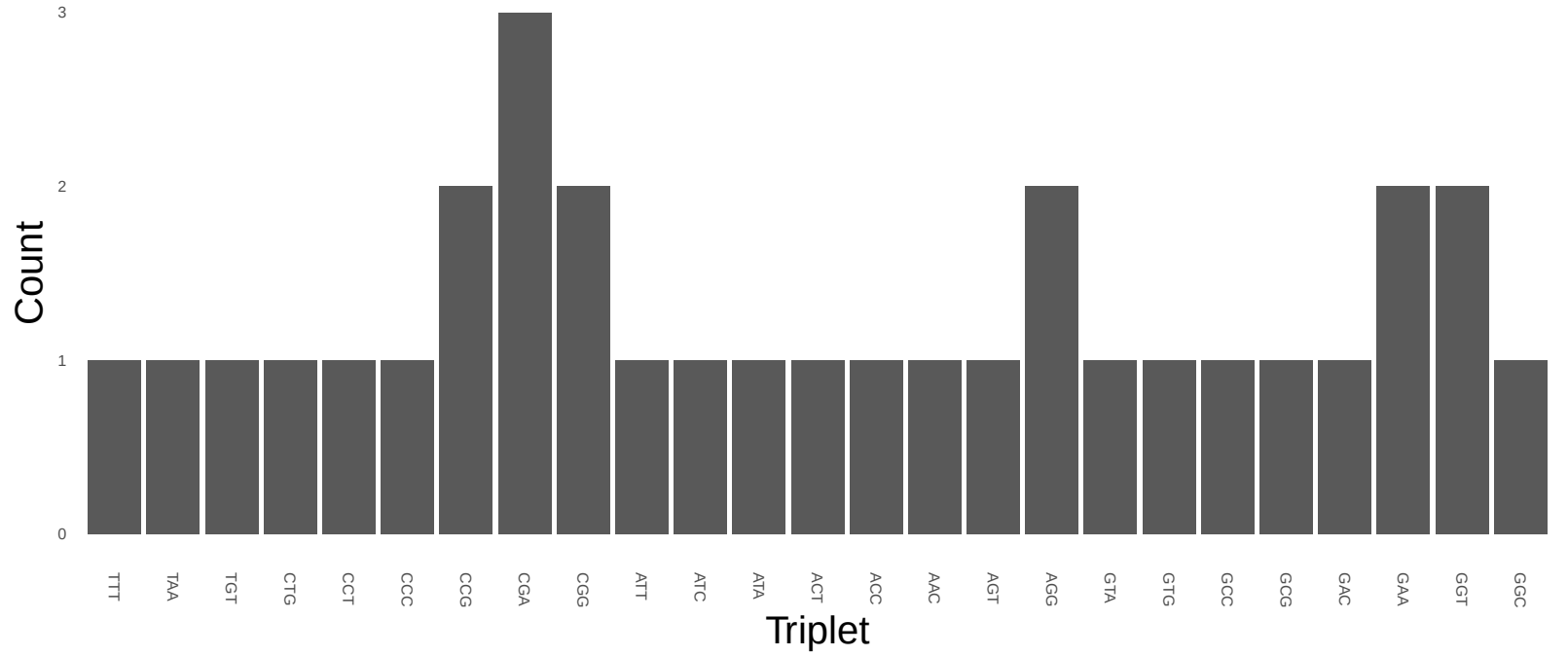

Gene TRBV7−7*ap01_C315T
Count
800
600
400
200
0
315
320
325
G C T A G C A G C T T A G C
Position
A
C
G
T


Gene TRBV7−1*ap01_T296C
Count
30
20
10
0
Position
A
C
G
T
N
X
.
–

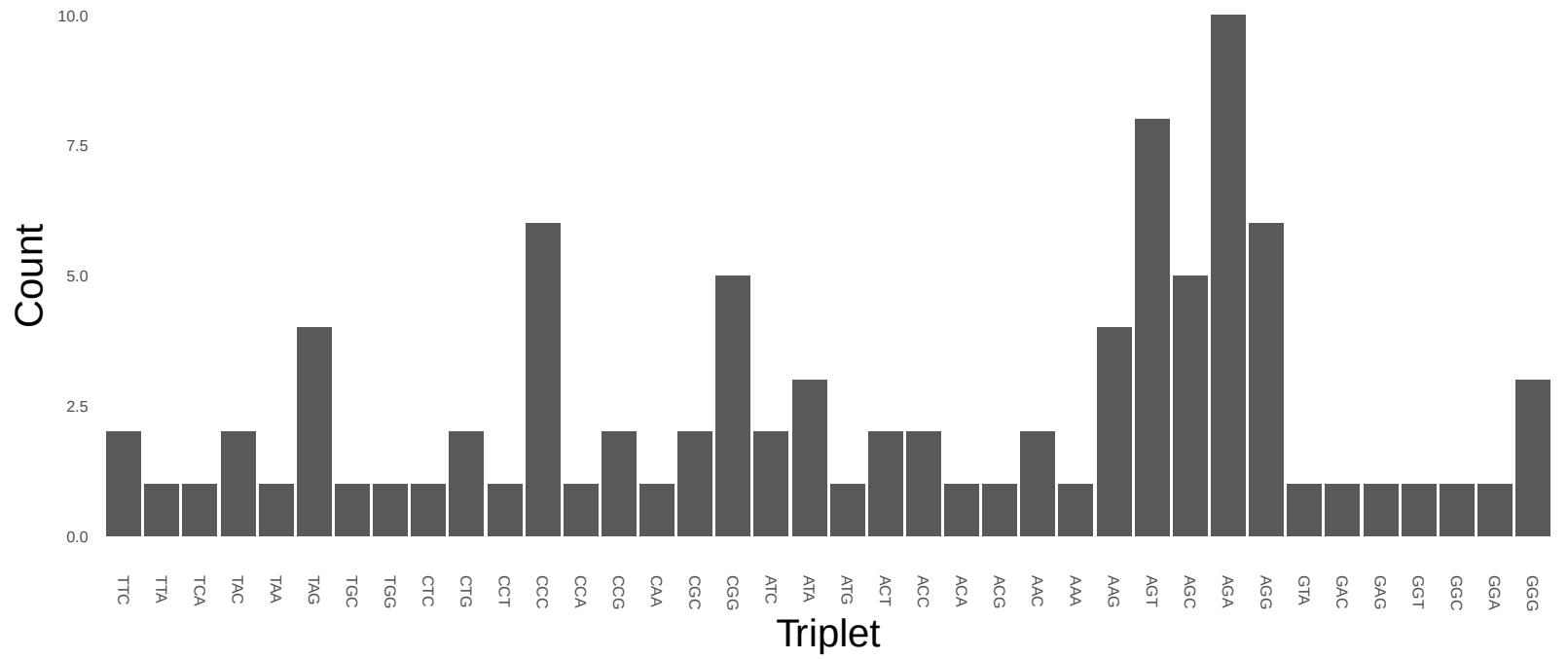

Gene TRBV7−1*ap01_T296C_C314T
Count
75
50
25
0
Position
A
C
G
T
N
X
.
–


Gene TRBV7−7*ap01_C315T
Count
800
600
400
200
0
Position
A
C
G
T
N
X
.
–

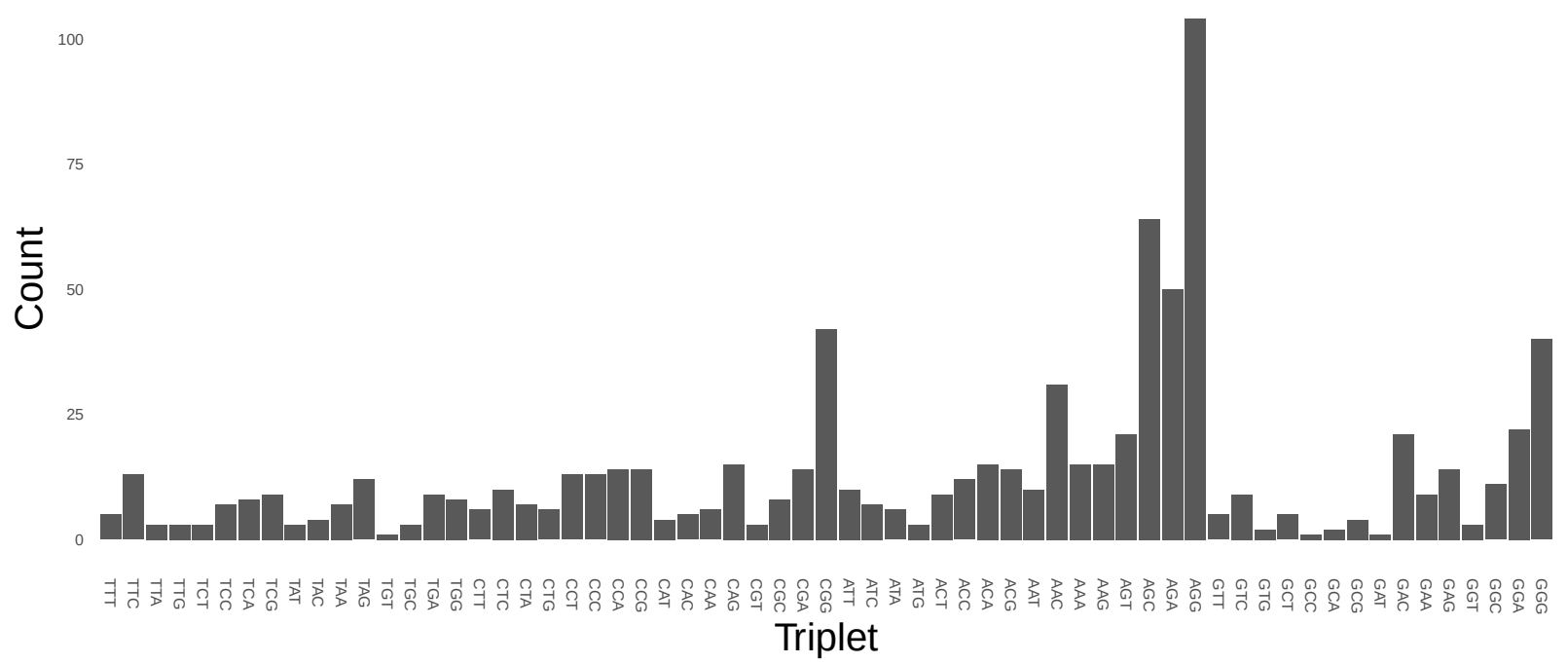
TRBV7−1*ap01_T296C− Final 3 nucleotides as a triplet



TRBV7−1*ap01_T296C_C314T− Final 3 nucleotides as a triplet

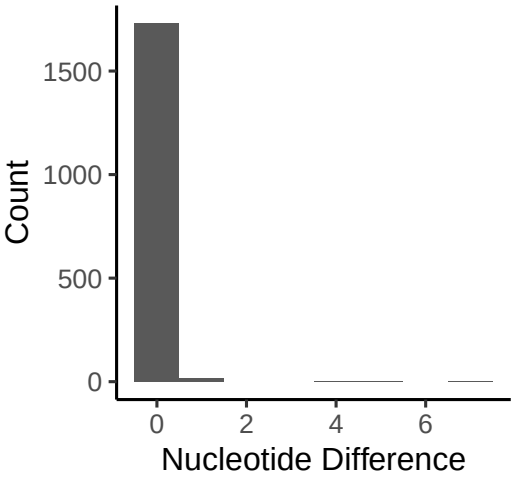


TRBV7−7*ap01_C315T− Final 3 nucleotides as a triplet



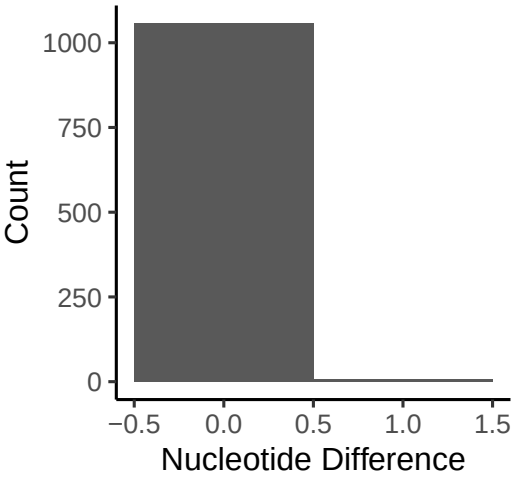
TRBV10−1*ap01

1750 sequences assigned
1730 (98.9%) exact matches, in which:
1715 unique CDR3
13 unique J



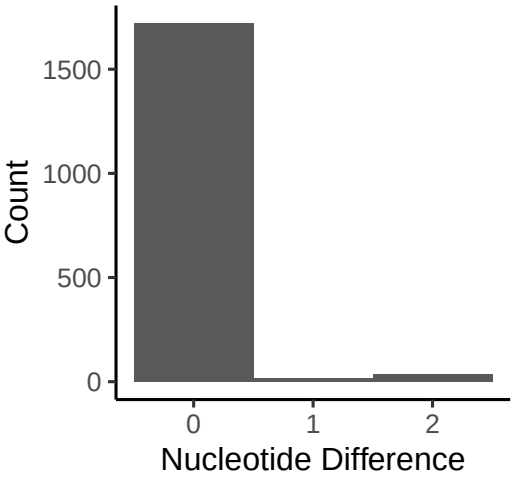
TRBV10−2*ap01

1065 sequences assigned
1057 (99.2%) exact matches, in which:
1051 unique CDR3
13 unique J



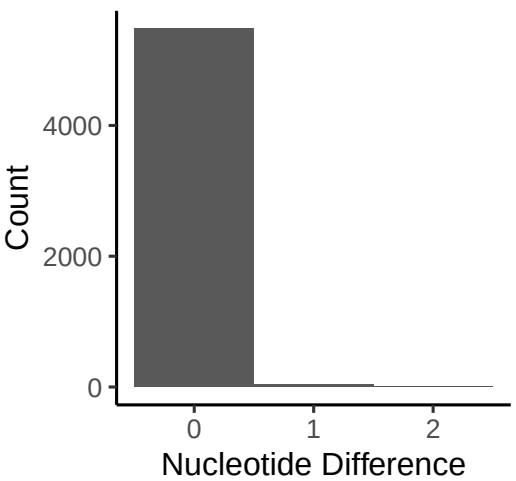
TRBV13*ap01

1775 sequences assigned
1720 (96.9%) exact matches, in which:
1697 unique CDR3
13 unique J



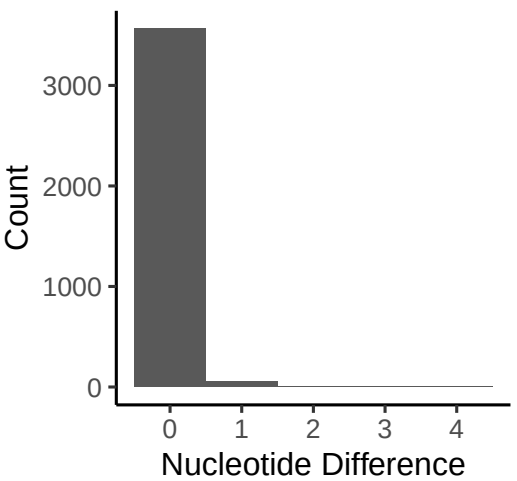
TRBV20−1*ap01

5527 sequences assigned
5480 (99.1%) exact matches, in which:
5448 unique CDR3
13 unique J



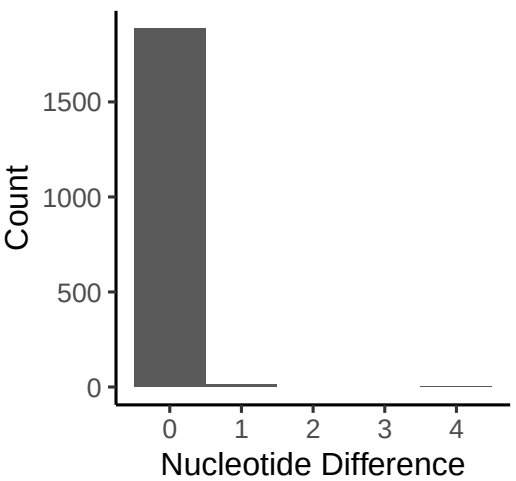
TRBV10−3*ap01

3626 sequences assigned
3564 (98.3%) exact matches, in which:
3545 unique CDR3
13 unique J



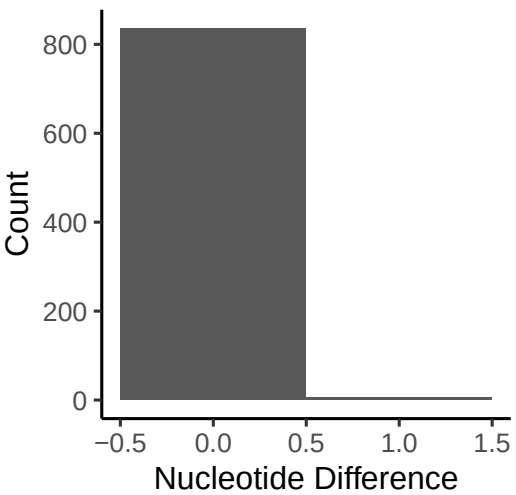
TRBV14*ap01

1898 sequences assigned
1885 (99.3%) exact matches, in which:
1880 unique CDR3
13 unique J



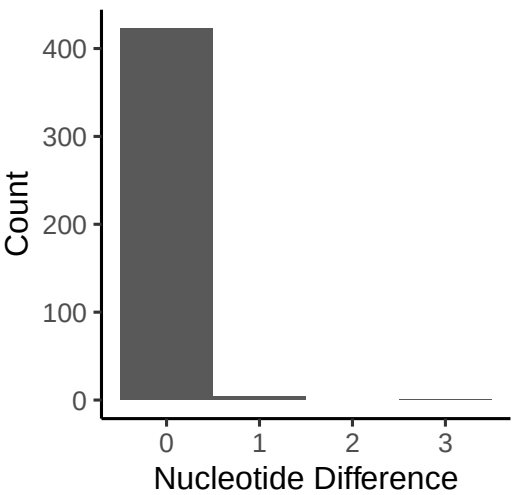
TRBV20−1*ap02

842 sequences assigned
836 (99.3%) exact matches, in which:
831 unique CDR3
13 unique J



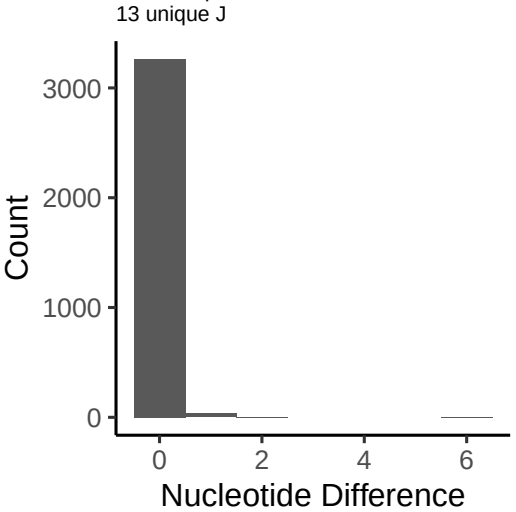
TRBV1*ap01

428 sequences assigned
423 (98.8%) exact matches, in which:
416 unique CDR3
13 unique J



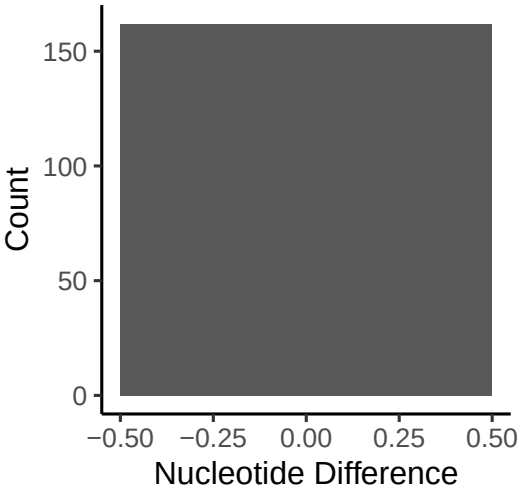
TRBV15*ap02

3299 sequences assigned
3263 (98.9%) exact matches, in which:
3237 unique CDR3
13 unique J



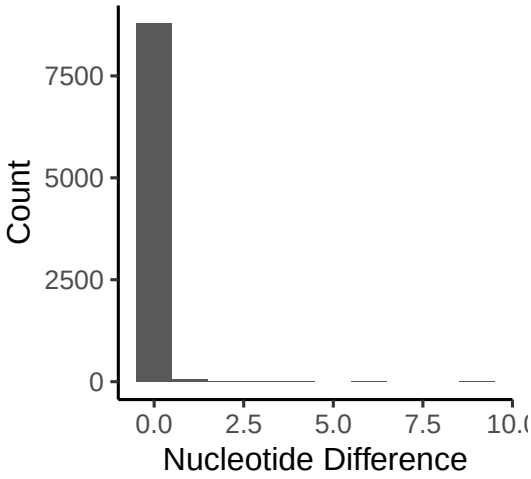
TRBV16*ap01

162 sequences assigned
162 (100%) exact matches, in which:
162 unique CDR3
13 unique J



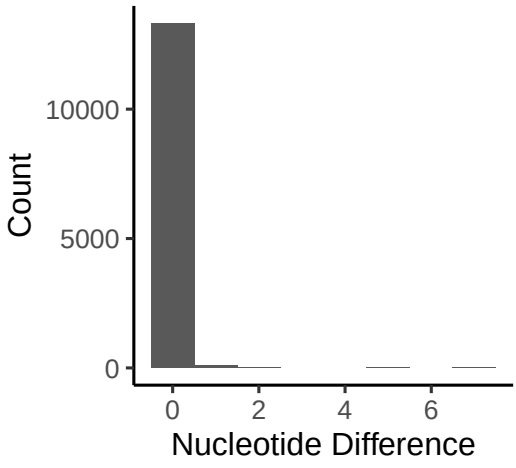
TRBV19*ap01

8852 sequences assigned
8787 (99.3%) exact matches, in which:
8754 unique CDR3
13 unique J



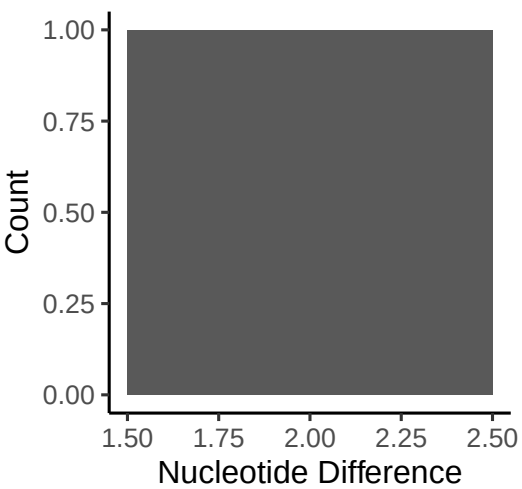
TRBV28*ap01

13408 sequences assigned
13323 (99.4%) exact matches, in which:
13265 unique CDR3
13 unique J



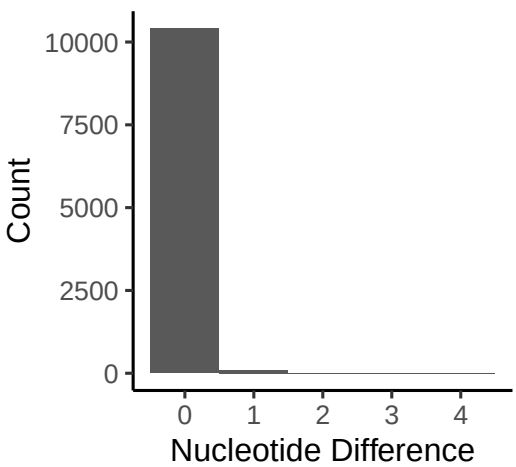
TRBV17*ap01

1 sequences assigned
No exact matches.



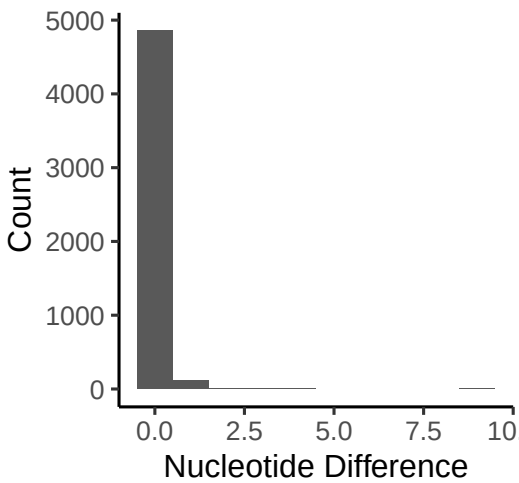
TRBV2*ap01

10511 sequences assigned
10409 (99%) exact matches, in which:
10329 unique CDR3
13 unique J



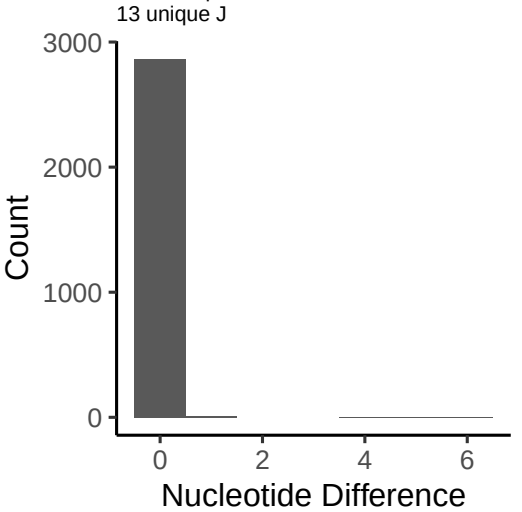
TRBV30*ap01

4972 sequences assigned
4856 (97.7%) exact matches, in which:
4740 unique CDR3
13 unique J



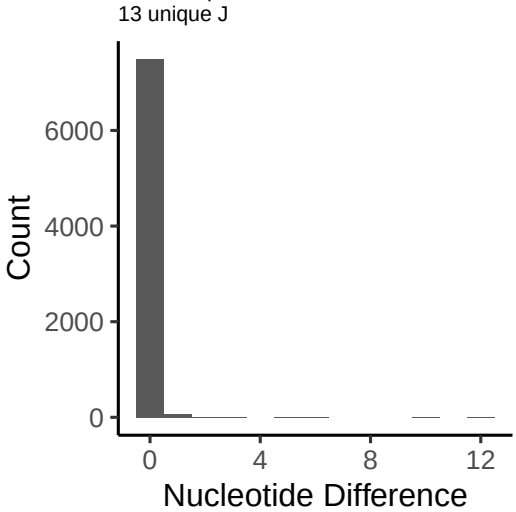
TRBV18*ap01

2878 sequences assigned
2864 (99.5%) exact matches, in which:
2852 unique CDR3
13 unique J



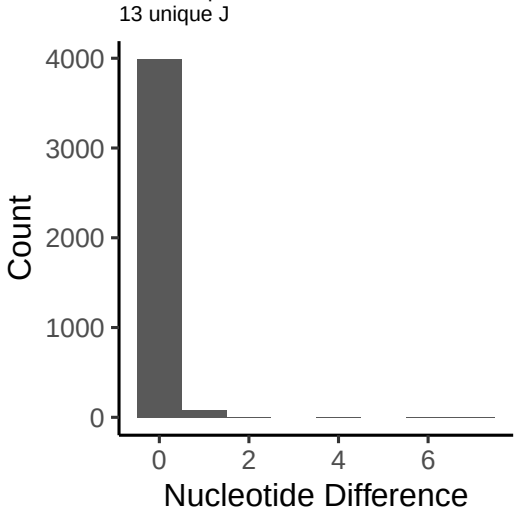
TRBV27*ap01

7567 sequences assigned
7493 (99%) exact matches, in which:
7459 unique CDR3
13 unique J



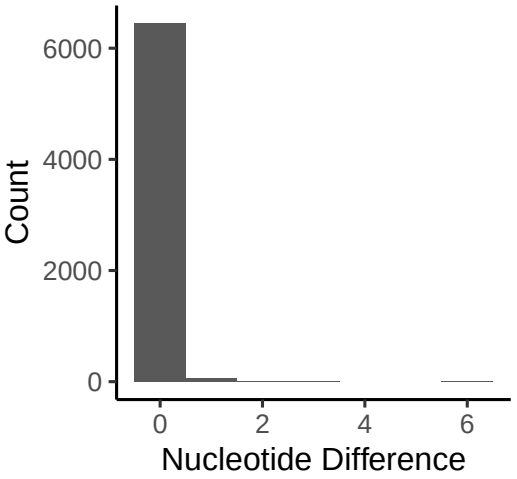
TRBV30*ap02

4083 sequences assigned
3991 (97.7%) exact matches, in which:
3907 unique CDR3
13 unique J



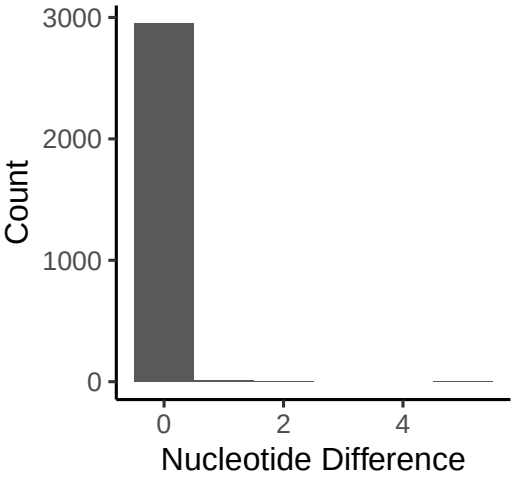
TRBV9*ap01

6523 sequences assigned
6446 (98.8%) exact matches, in which:
6416 unique CDR3
13 unique J



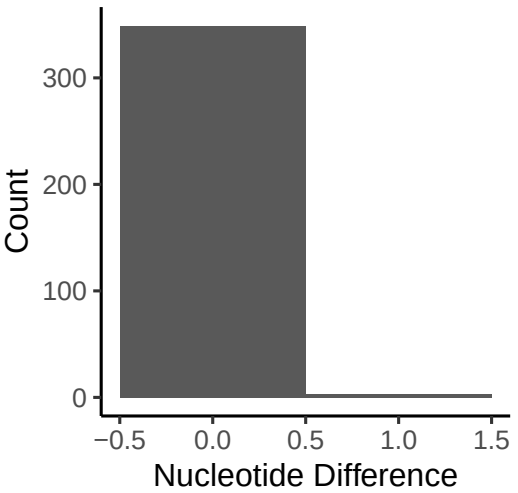
TRBV11−2*ap01

2966 sequences assigned
2951 (99.5%) exact matches, in which:
2940 unique CDR3
13 unique J



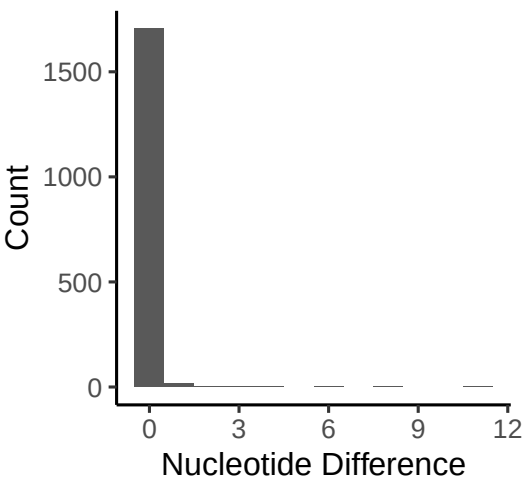
TRBV12−2*ap01

352 sequences assigned
349 (99.1%) exact matches, in which:
346 unique CDR3
13 unique J



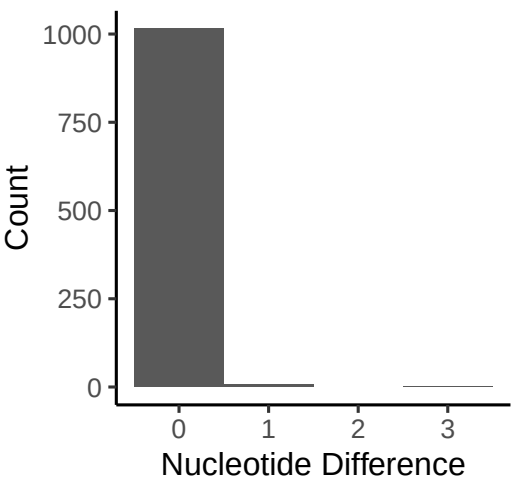
TRBV21−1*ap01

1731 sequences assigned
1705 (98.5%) exact matches, in which:
1702 unique CDR3
13 unique J



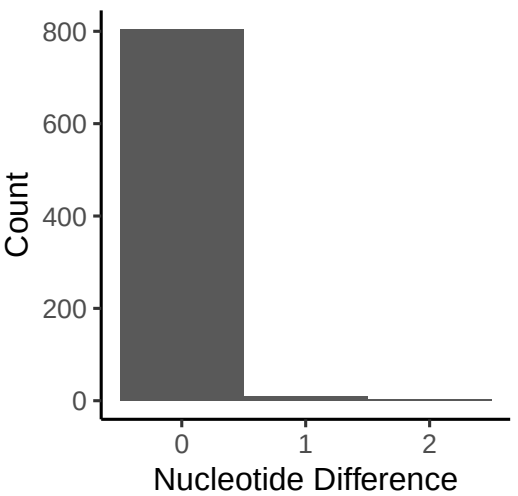
TRBV11−3*ap01

1022 sequences assigned
1015 (99.3%) exact matches, in which:
1014 unique CDR3
13 unique J



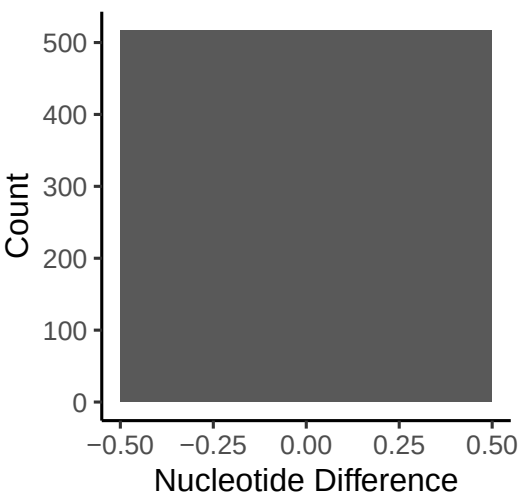
TRBV12−5*ap01

819 sequences assigned
805 (98.3%) exact matches, in which:
802 unique CDR3
13 unique J



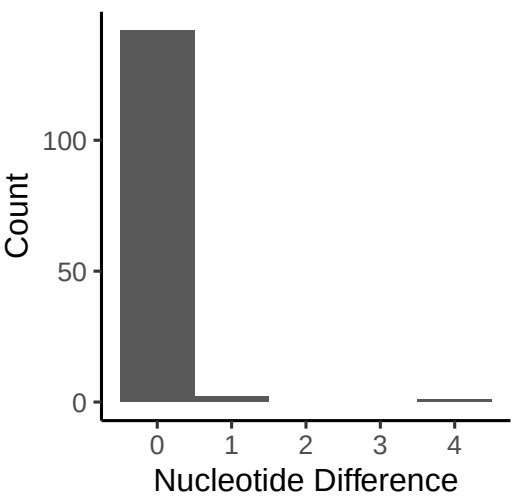
TRBV11−1*ap01

517 sequences assigned
517 (100%) exact matches, in which:
516 unique CDR3
13 unique J



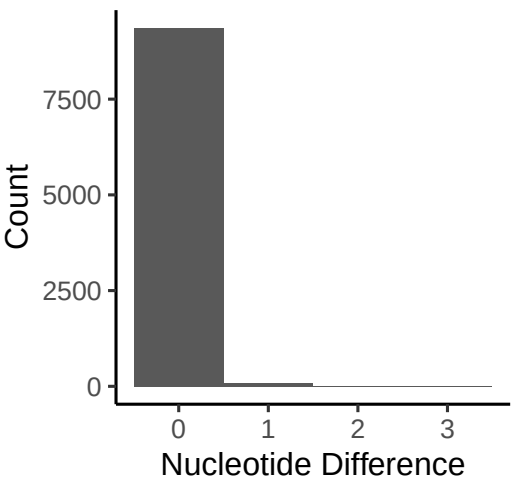
TRBV12−1*ap01

145 sequences assigned
142 (97.9%) exact matches, in which:
141 unique CDR3
13 unique J



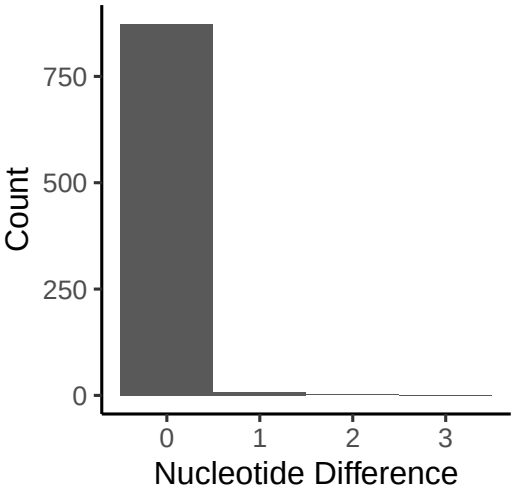
TRBV12−34*ap01

9454 sequences assigned
9357 (99%) exact matches, in which:
9282 unique CDR3
13 unique J



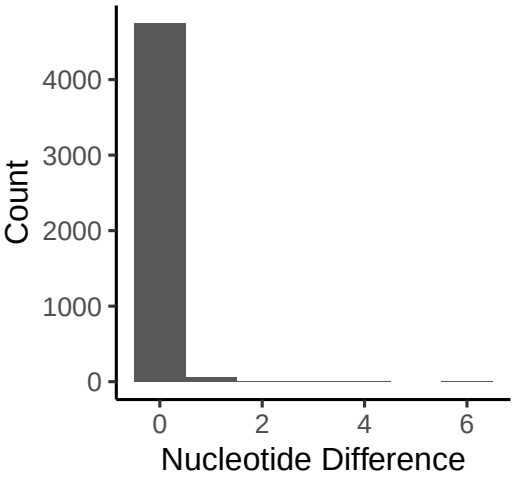
TRBV23−1*ap01

885 sequences assigned
874 (98.8%) exact matches, in which:
870 unique CDR3
13 unique J



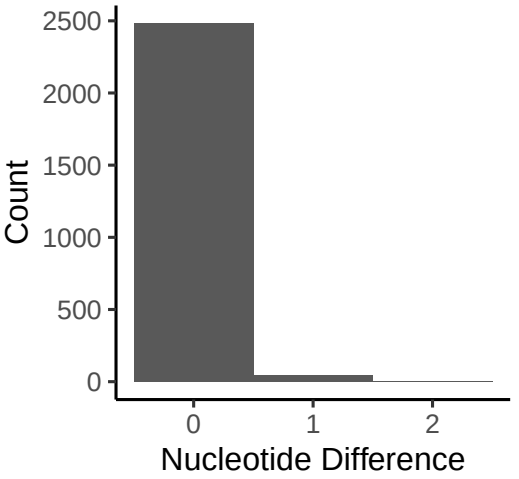
TRBV24−1*ap01

4810 sequences assigned
4744 (98.6%) exact matches, in which:
4694 unique CDR3
13 unique J



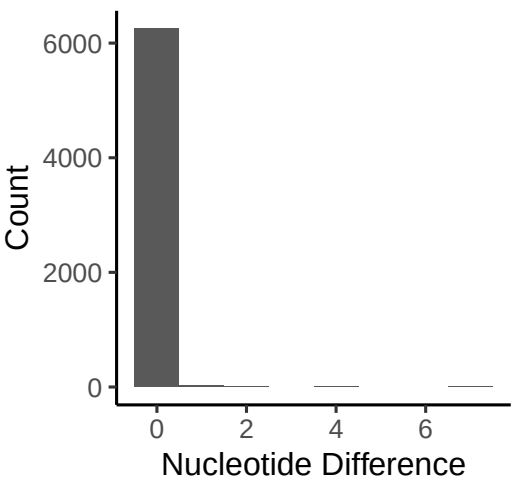
TRBV25−1*ap01

2530 sequences assigned
2482 (98.1%) exact matches, in which:
2440 unique CDR3
13 unique J



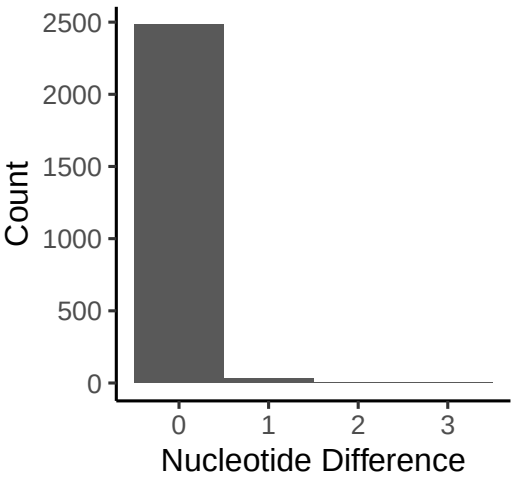
TRBV3−12*ap01

6292 sequences assigned
6251 (99.3%) exact matches, in which:
6217 unique CDR3
13 unique J



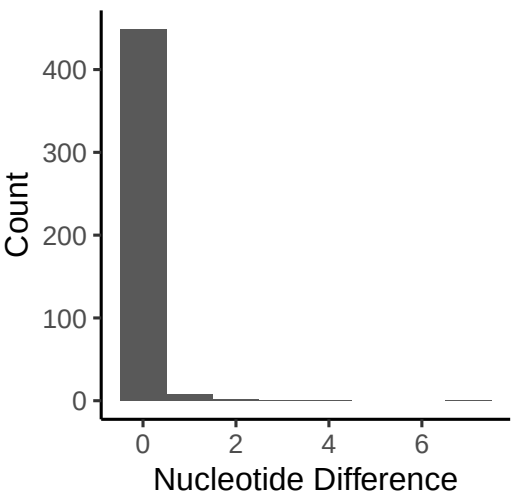
TRBV4−2*ap01

2515 sequences assigned
2482 (98.7%) exact matches, in which:
2463 unique CDR3
13 unique J



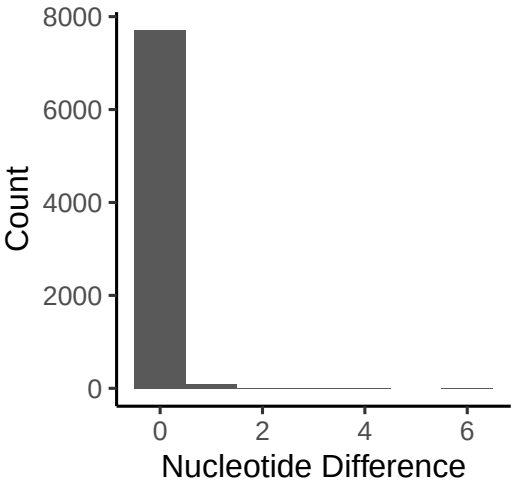
TRBV5−3*ap01

462 sequences assigned
449 (97.2%) exact matches, in which:
449 unique CDR3
13 unique J



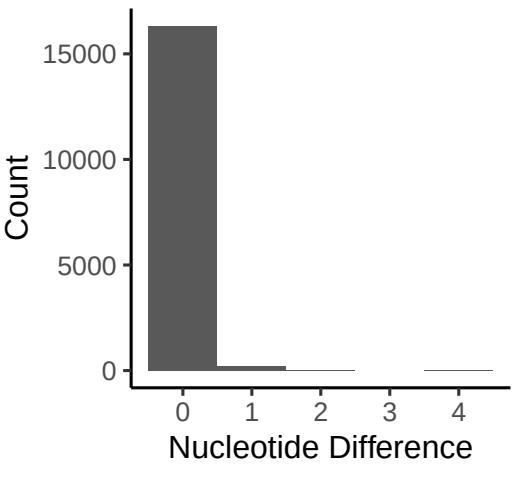
TRBV4−1*ap01

7808 sequences assigned
7711 (98.8%) exact matches, in which:
7630 unique CDR3
13 unique J



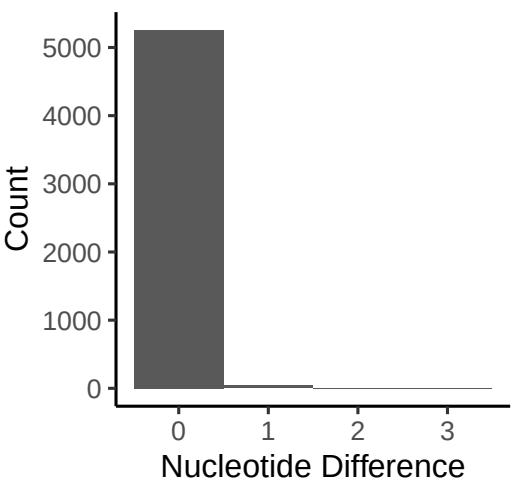
TRBV5−1*ap01

16562 sequences assigned
16329 (98.6%) exact matches, in which:
16210 unique CDR3
13 unique J



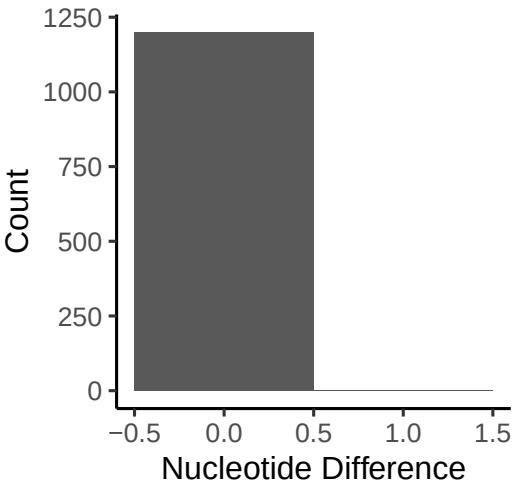
TRBV5−4*ap01

5299 sequences assigned
5256 (99.2%) exact matches, in which:
5221 unique CDR3
13 unique J



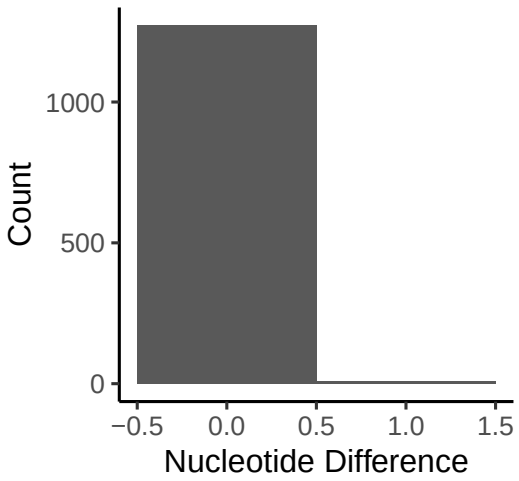
TRBV5−5*ap01

1200 sequences assigned
1199 (99.9%) exact matches, in which:
1196 unique CDR3
13 unique J



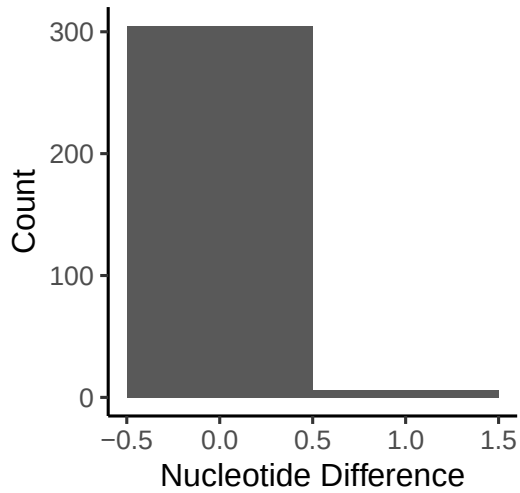
TRBV5−8*ap01

1281 sequences assigned
1272 (99.3%) exact matches, in which:
1264 unique CDR3
13 unique J



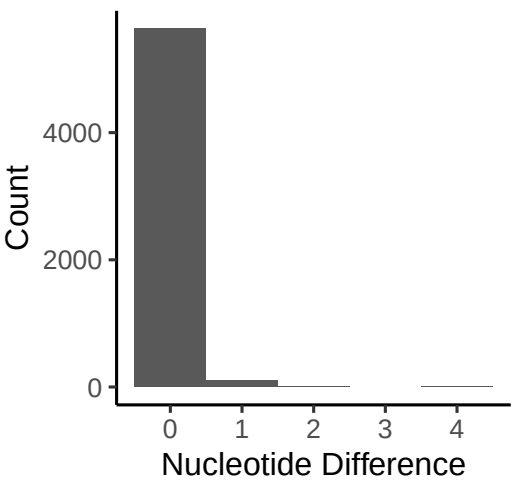
TRBV6−7*ap01

311 sequences assigned
305 (98.1%) exact matches, in which:
300 unique CDR3
13 unique J



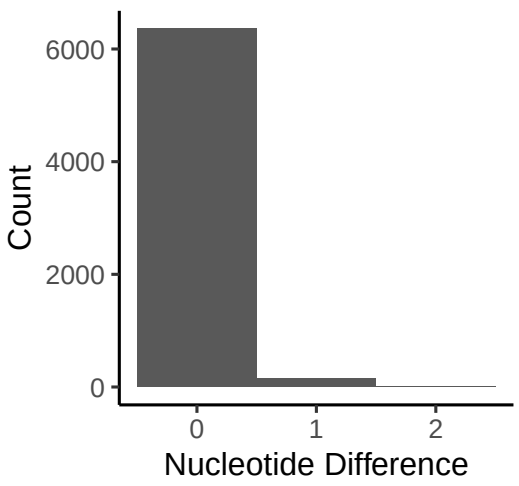
TRBV5−6*ap01

5733 sequences assigned
5634 (98.3%) exact matches, in which:
5563 unique CDR3
13 unique J



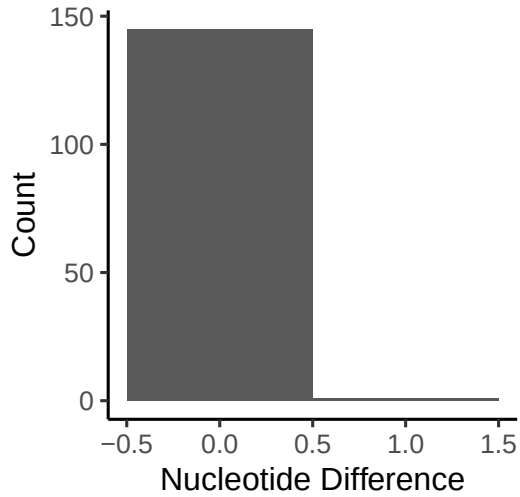
TRBV6−1*ap01

6515 sequences assigned
6360 (97.6%) exact matches, in which:
6286 unique CDR3
13 unique J



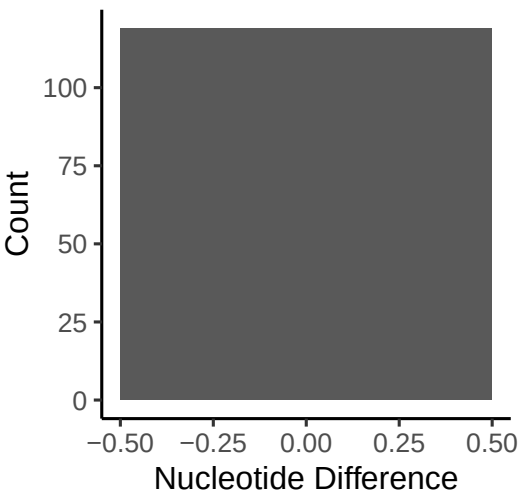
TRBV6−8*ap01

146 sequences assigned
145 (99.3%) exact matches, in which:
143 unique CDR3
13 unique J



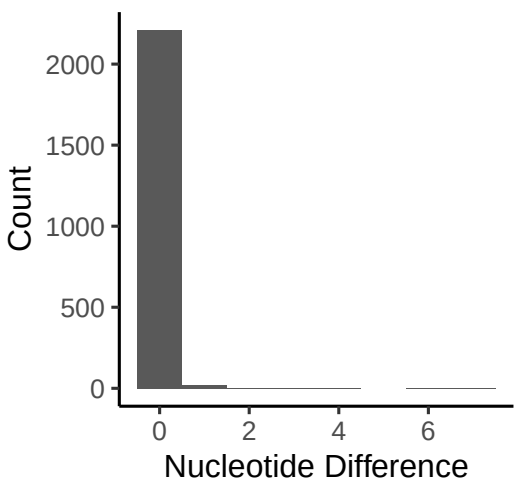
TRBV5−7*ap01

119 sequences assigned
119 (100%) exact matches, in which:
114 unique CDR3
12 unique J



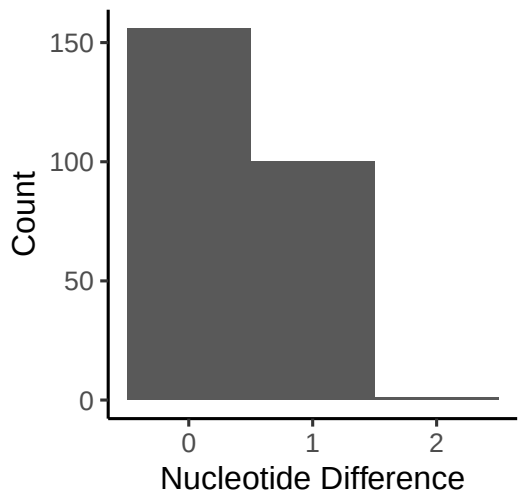
TRBV6−4*ap01

2238 sequences assigned
2210 (98.7%) exact matches, in which:
2196 unique CDR3
13 unique J



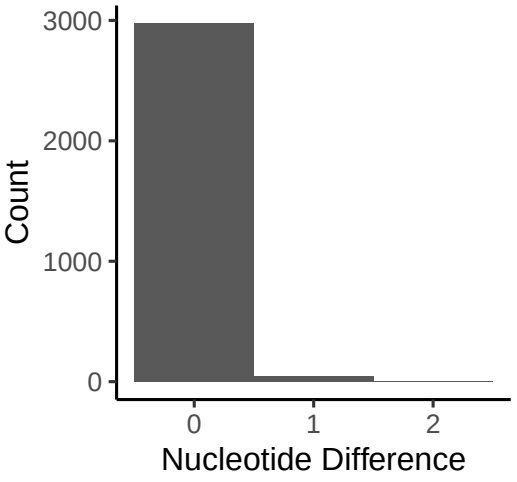
TRBV6−9*ap01

257 sequences assigned
156 (60.7%) exact matches, in which:
154 unique CDR3
13 unique J



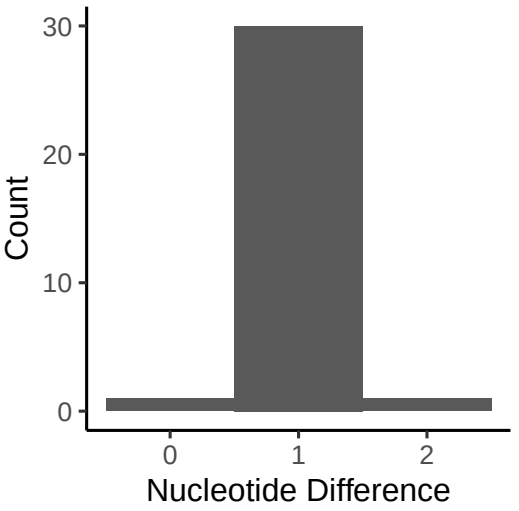
TRBV6−23*ap01

3025 sequences assigned
2975 (98.3%) exact matches, in which:
2924 unique CDR3
13 unique J



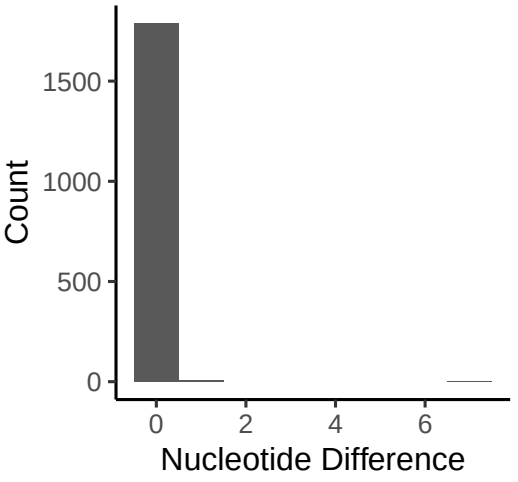
TRBV7−1*ap01_T296C

32 sequences assigned
1 (3.1%) exact matches, in which:
1 unique CDR3
1 unique J



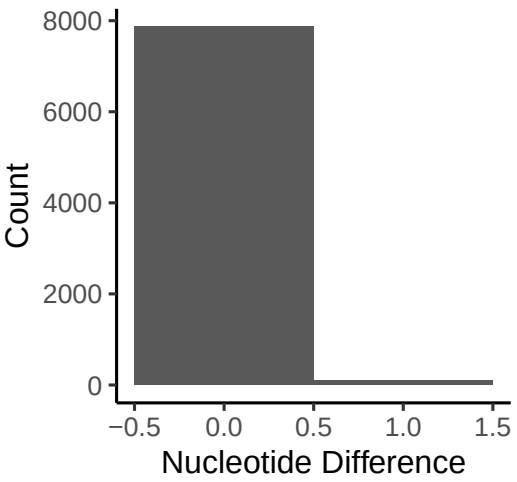
TRBV7−3*ap01

1796 sequences assigned
1788 (99.6%) exact matches, in which:
1779 unique CDR3
13 unique J



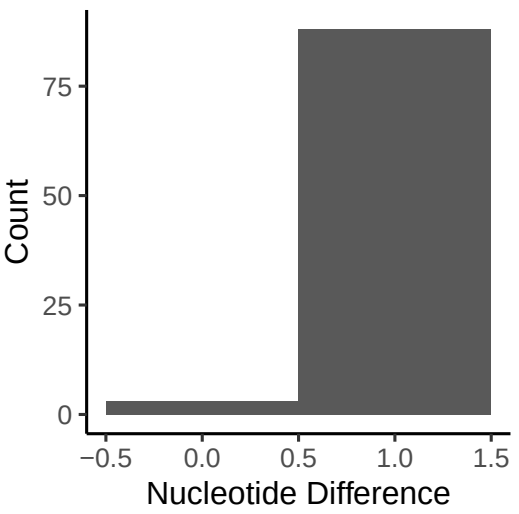
TRBV6−56*ap01

7970 sequences assigned
7867 (98.7%) exact matches, in which:
7778 unique CDR3
13 unique J



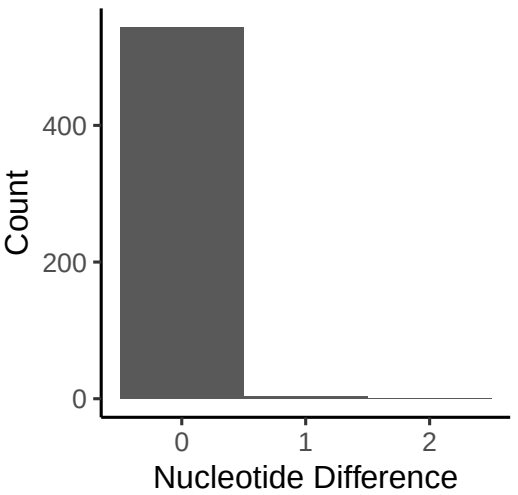
TRBV7−1*ap01_T296C_C

91 sequences assigned
3 (3.3%) exact matches, in which:
3 unique CDR3
2 unique J



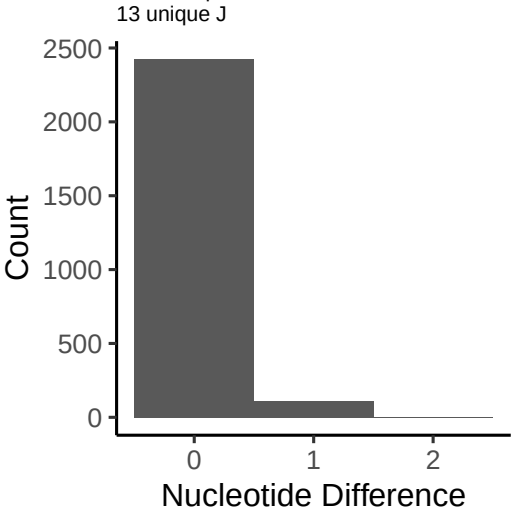
TRBV7−3*ap03

549 sequences assigned
544 (99.1%) exact matches, in which:
542 unique CDR3
13 unique J



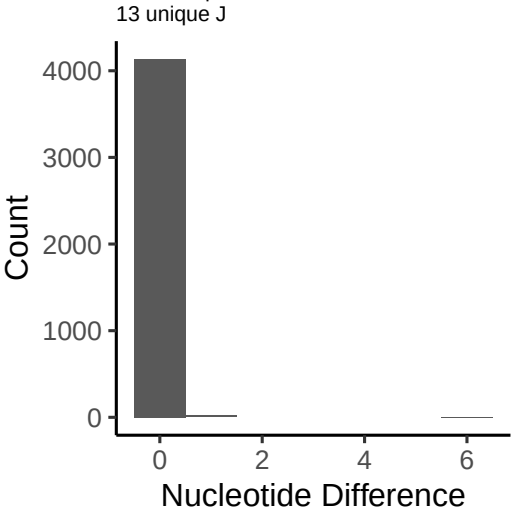
TRBV6−56*ap02

2536 sequences assigned
2425 (95.6%) exact matches, in which:
2400 unique CDR3
13 unique J



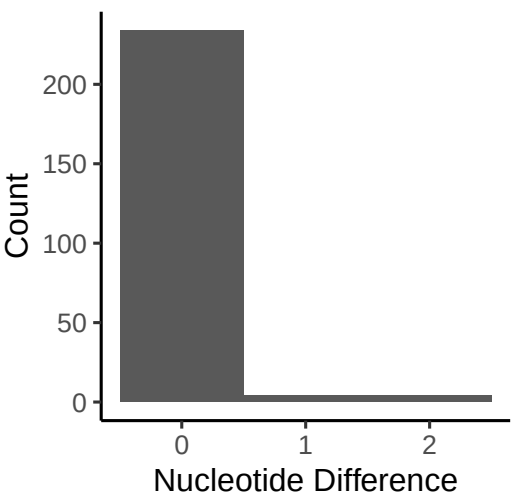
TRBV7−2*ap01

4156 sequences assigned
4135 (99.5%) exact matches, in which:
4111 unique CDR3
13 unique J



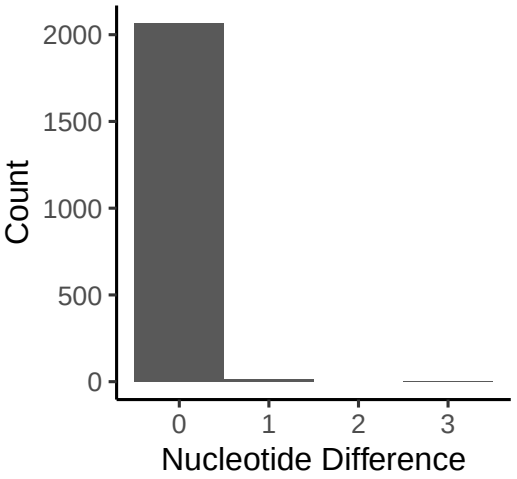
TRBV7−4*ap01

242 sequences assigned
234 (96.7%) exact matches, in which:
230 unique CDR3
13 unique J



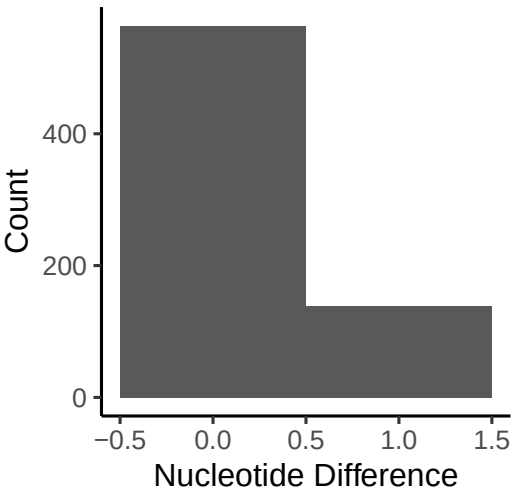
TRBV7−6*ap01

2078 sequences assigned
2065 (99.4%) exact matches, in which:
2052 unique CDR3
13 unique J



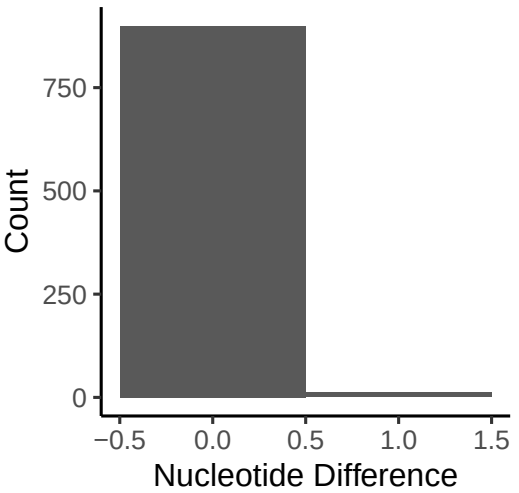
TRBV7−8*ap03

703 sequences assigned
564 (80.2%) exact matches, in which:
562 unique CDR3
14 unique J



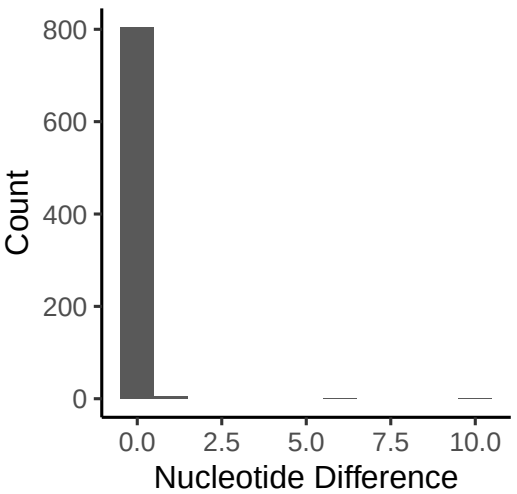
TRBV29−1*ap02

912 sequences assigned
900 (98.7%) exact matches, in which:
884 unique CDR3
13 unique J



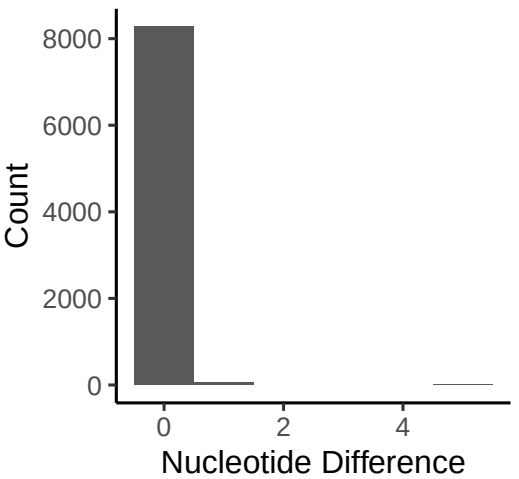
TRBV7−7*ap01_C315T

813 sequences assigned
805 (99%) exact matches, in which:
800 unique CDR3
13 unique J



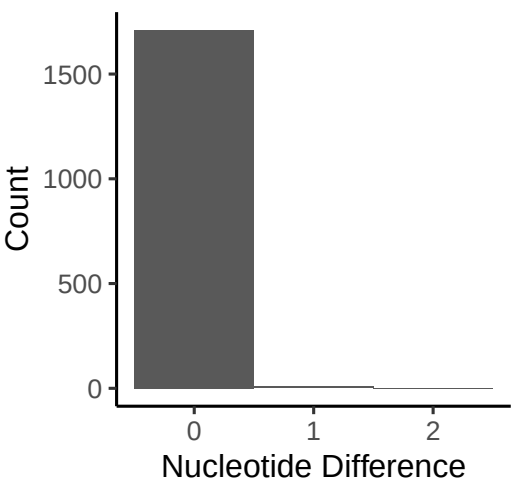
TRBV7−9*ap01

8331 sequences assigned
8275 (99.3%) exact matches, in which:
8227 unique CDR3
13 unique J



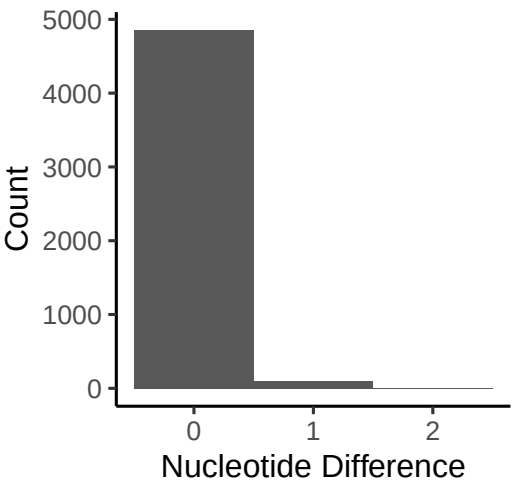
TRBV7−8*ap01

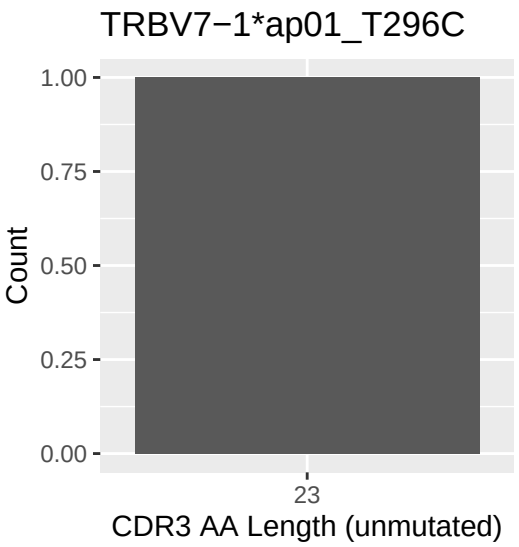
1720 sequences assigned
1710 (99.4%) exact matches, in which:
1700 unique CDR3
13 unique J

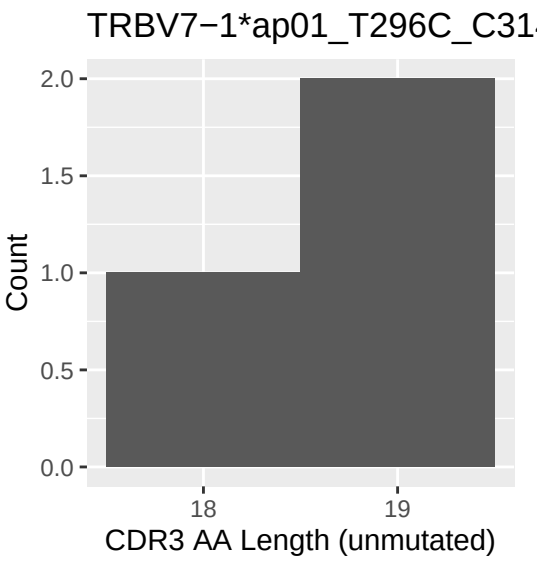


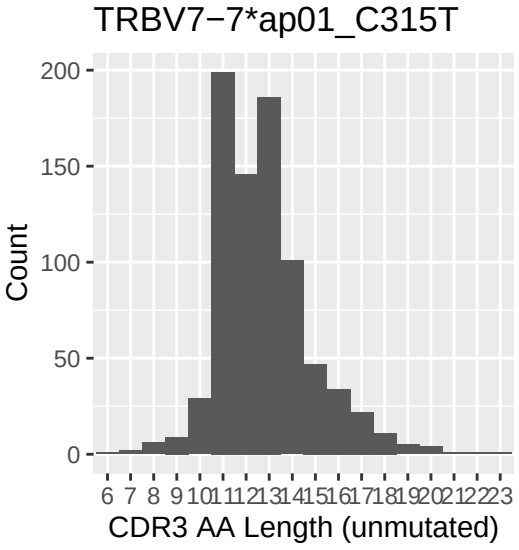
TRBV29−1*ap01

4959 sequences assigned
4855 (97.9%) exact matches, in which:
4756 unique CDR3
13 unique J




TRBV7−1*ap01_T296C
1.00
0.75
0.50
0.25
0.00
Count
23
CDR3 AA Length (unmutated)


TRBV7−1*ap01_T296C_C314T
2.0
1.5
1.0
0.5
0.0
Count
18
19
CDR3 AA Length (unmutated)


TRBV7−7*ap01_C315T
200
150
100
50
0
Count
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
CDR3 AA Length (unmutated)

Allele Usage
Allele %
100
75
50
25
0
TRBJ1−1
TRBJ1−2
TRBJ1−3
TRBJ1−4
TRBJ1−5
TRBJ1−6
TRBJ2−1
TRBJ2−2
TRBJ2−3
TRBJ2−4
TRBJ2−5
TRBJ2−6
TRBJ2−7
TRBJ2−2P
Gene
01
02

Warning − no inferred sequences found.

Warning − no inferred sequences found.

Warning − no inferred sequences found.