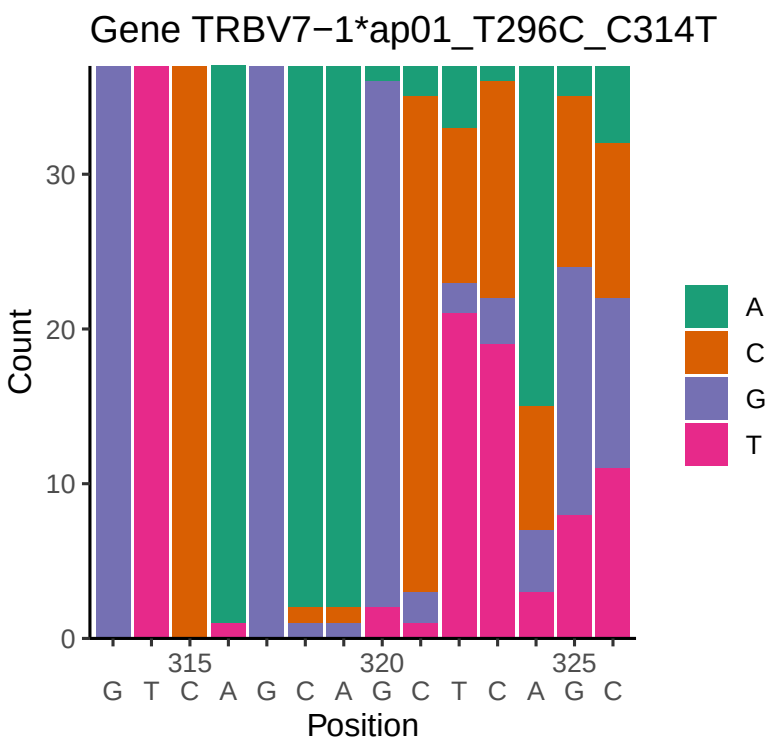
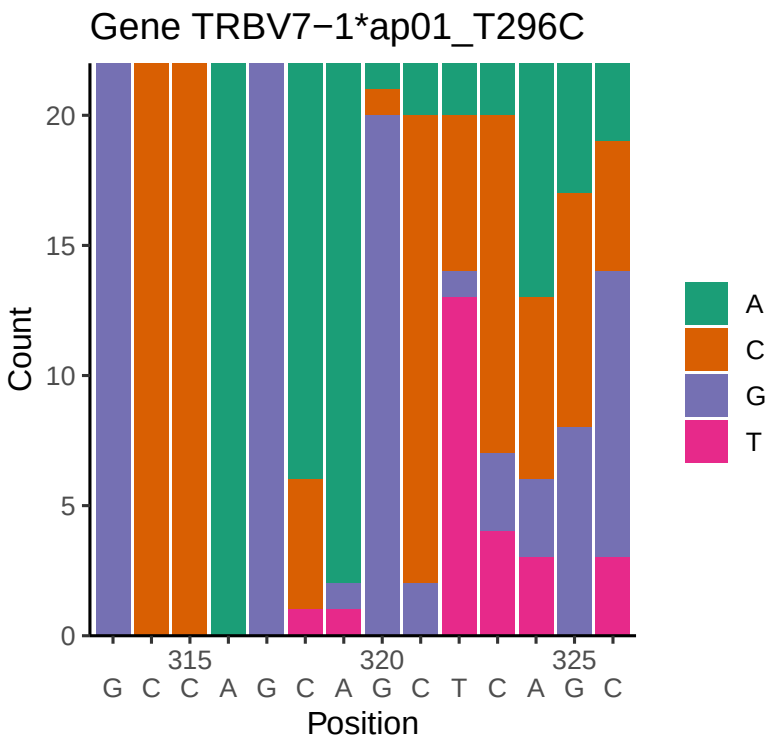
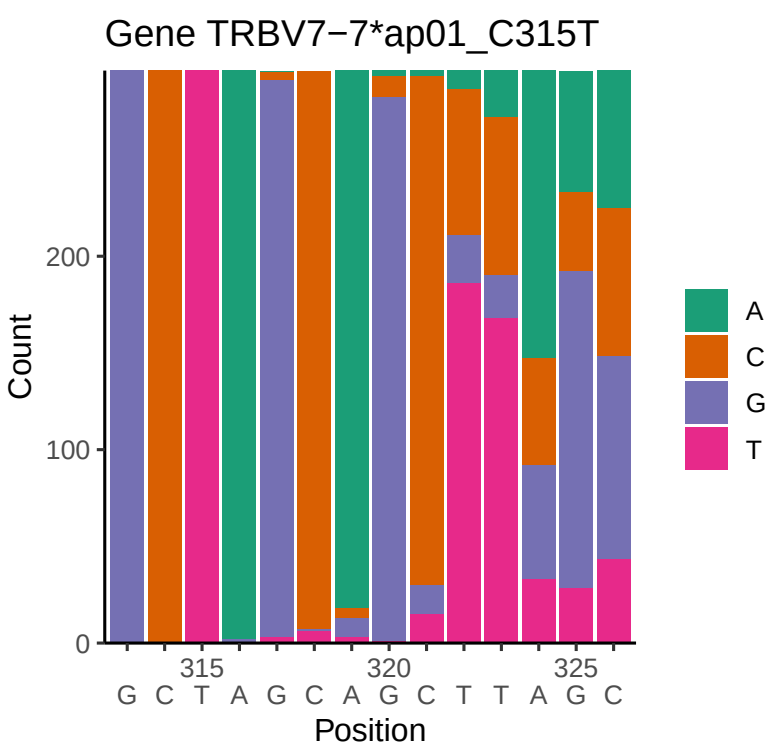
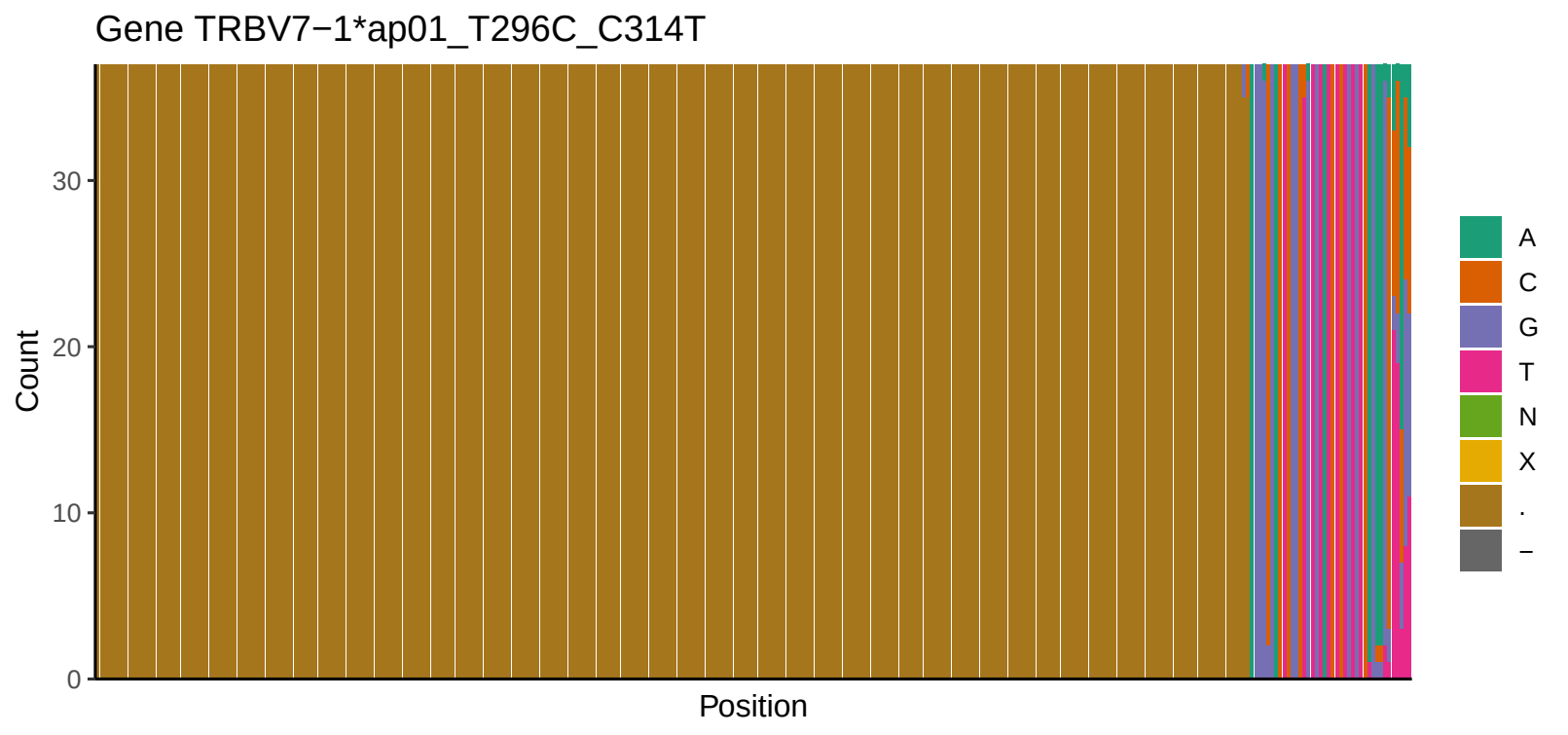
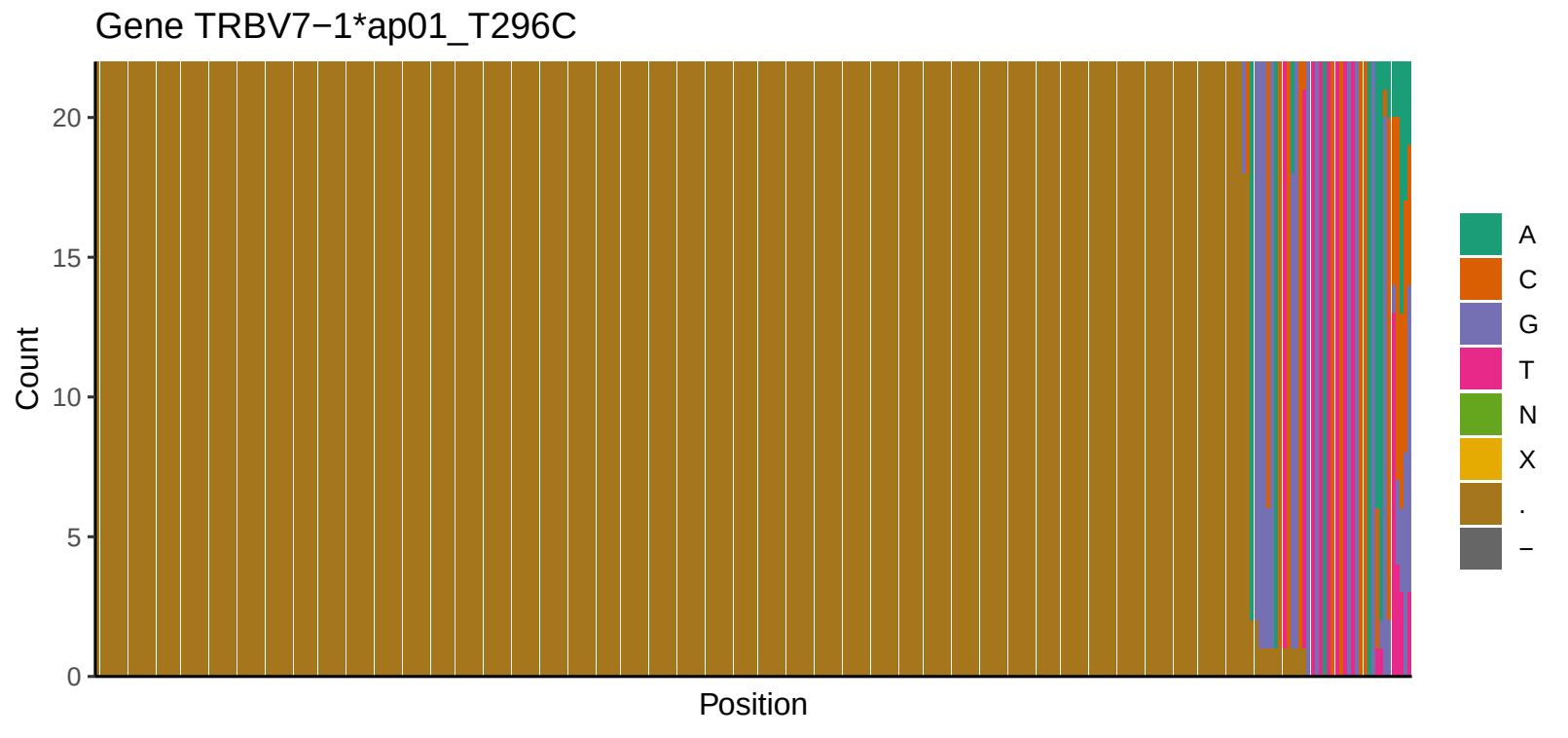
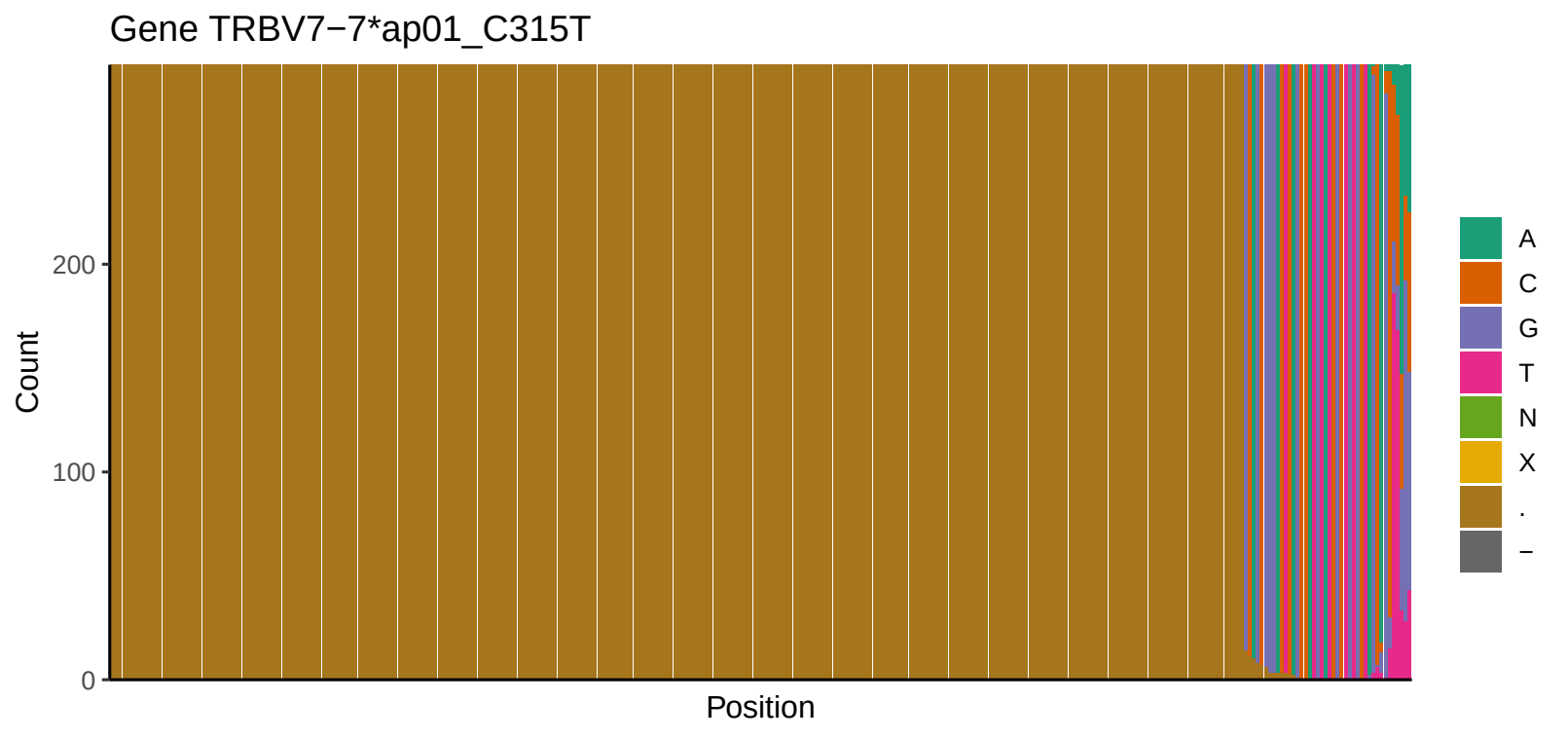

Gene TRBV7−1*ap01_T296C_C314T
Count
30
20
10
0
315
320
325
G T C A G C A G C T C A G C
Position
A
C
G
T


Gene TRBV7−1*ap01_T296C
Count
20
15
10
5
0
315
320
325
G C C A G C A G C T C A G C
Position
A
C
G
T

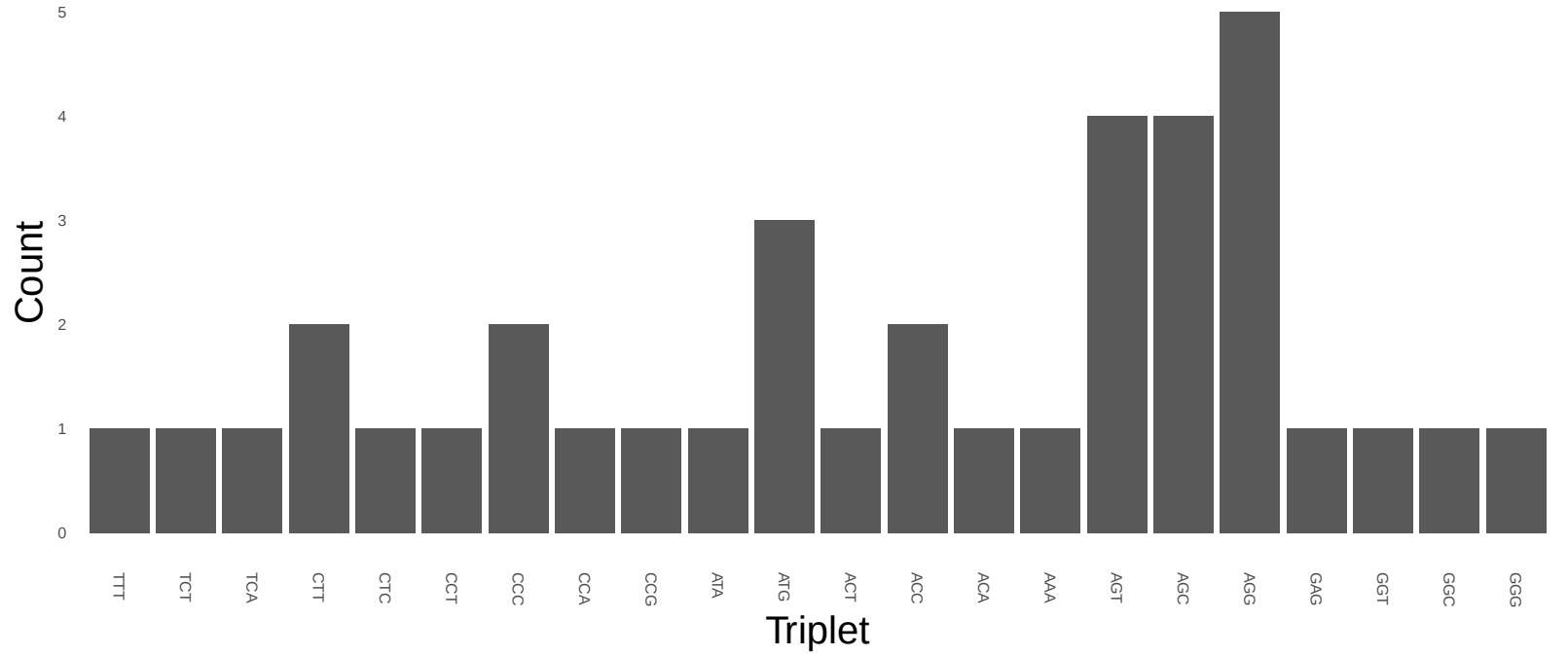

Gene TRBV7−7*ap01_C315T
Count
200
100
0
315
320
325
G C T A G C A G C T T A G C
Position
A
C
G
T


Gene TRBV7−1*ap01_T296C_C314T
Count
0
10
20
30
Position
A
C
G
T
N
X
.
–

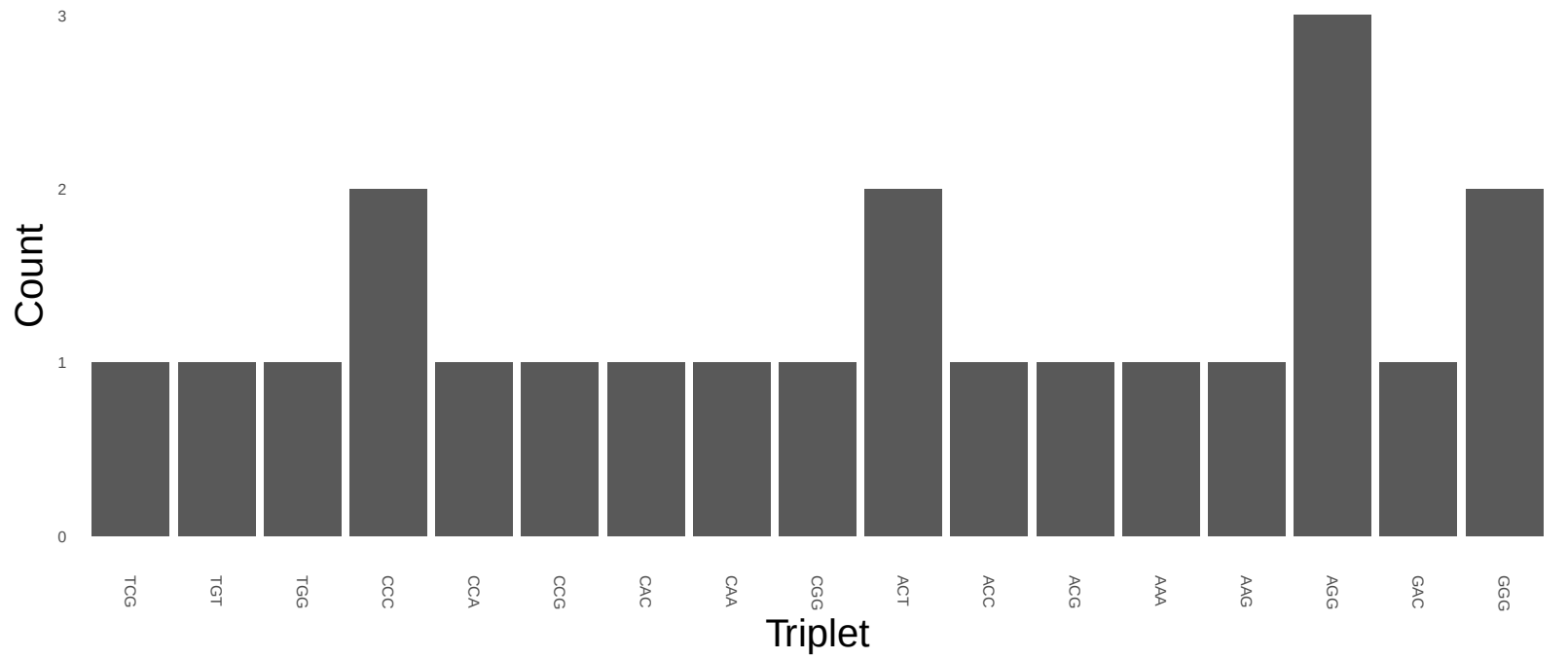

Gene TRBV7−1*ap01_T296C
Count
0
5
10
15
20
Position
A
C
G
T
N
X
.
–


Gene TRBV7−7*ap01_C315T
Count
0
100
200
Position
A
C
G
T
N
X
.
–

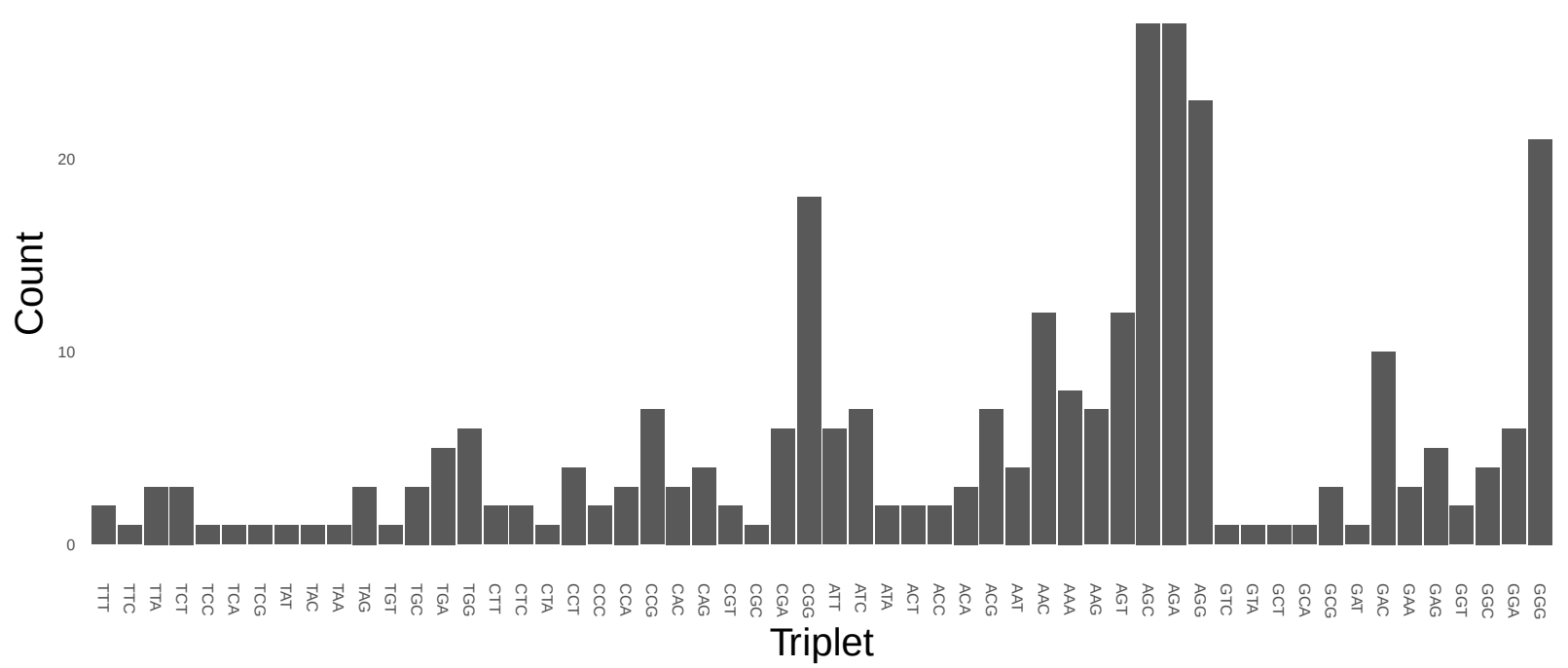
TRBV7−1*ap01_T296C_C314T− Final 3 nucleotides as a triplet



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

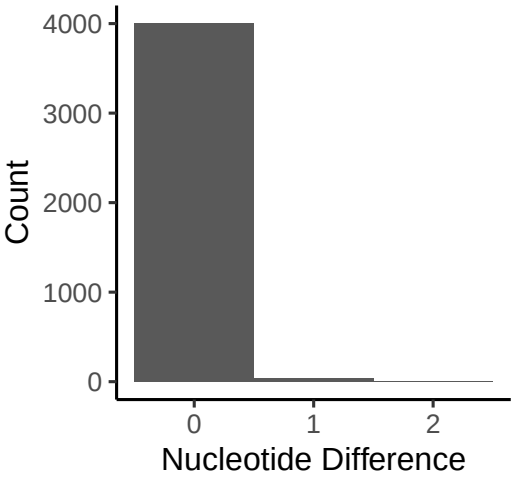


TRBV7−7*ap01_C315T− Final 3 nucleotides as a triplet



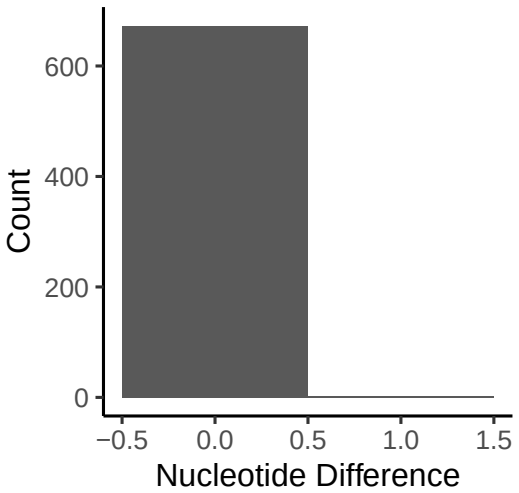
TRBV20−1*ap01

4039 sequences assigned
4002 (99.1%) exact matches, in which:
3973 unique CDR3
13 unique J



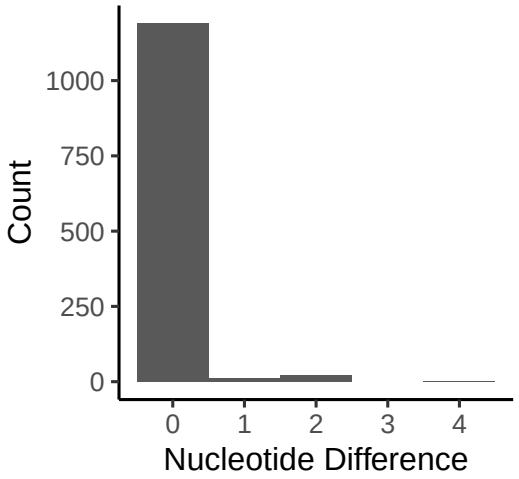
TRBV10−2*ap01

675 sequences assigned
673 (99.7%) exact matches, in which:
669 unique CDR3
13 unique J



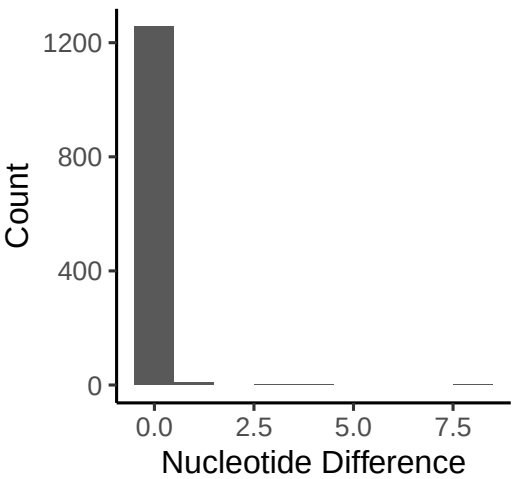
TRBV13*ap01

1222 sequences assigned
1190 (97.4%) exact matches, in which:
1175 unique CDR3
13 unique J



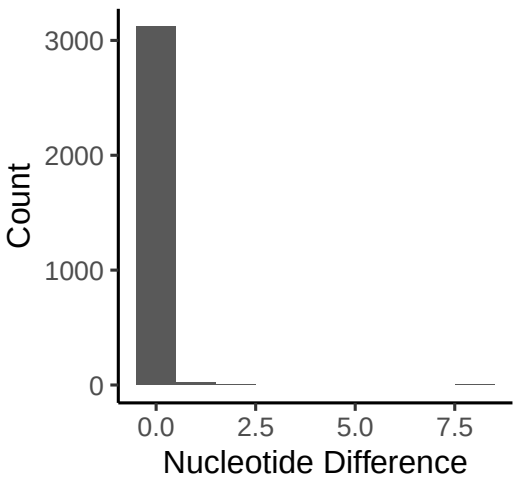
TRBV10−1*ap01

1267 sequences assigned
1256 (99.1%) exact matches, in which:
1247 unique CDR3
13 unique J



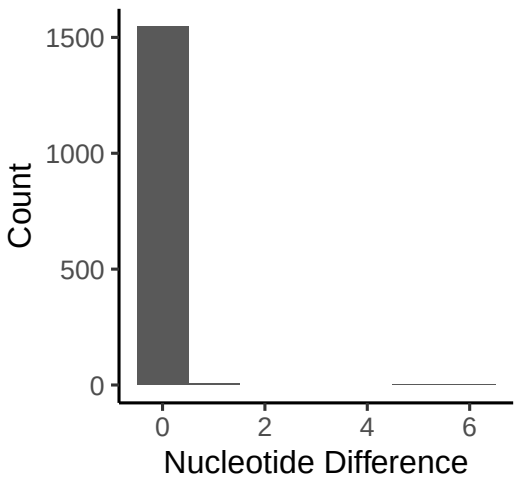
TRBV10−3*ap01

3143 sequences assigned
3119 (99.2%) exact matches, in which:
3086 unique CDR3
13 unique J



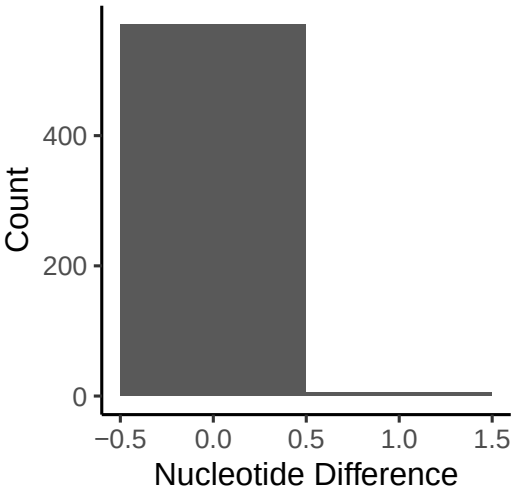
TRBV14*ap01

1555 sequences assigned
1546 (99.4%) exact matches, in which:
1539 unique CDR3
13 unique J



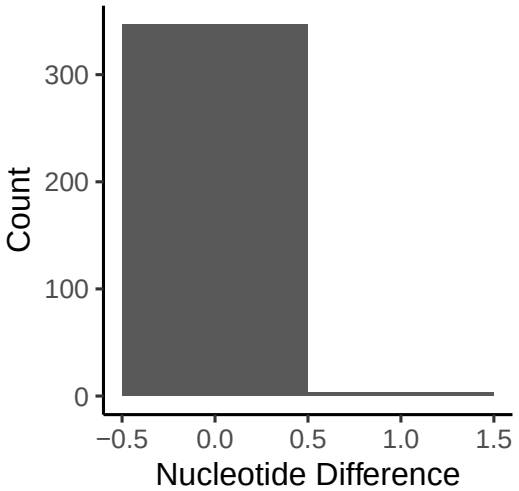
TRBV20−1*ap02

576 sequences assigned
571 (99.1%) exact matches, in which:
568 unique CDR3
13 unique J



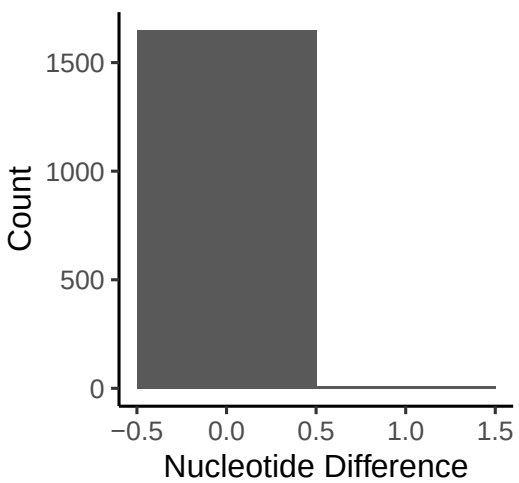
TRBV1*ap01

350 sequences assigned
347 (99.1%) exact matches, in which:
344 unique CDR3
13 unique J



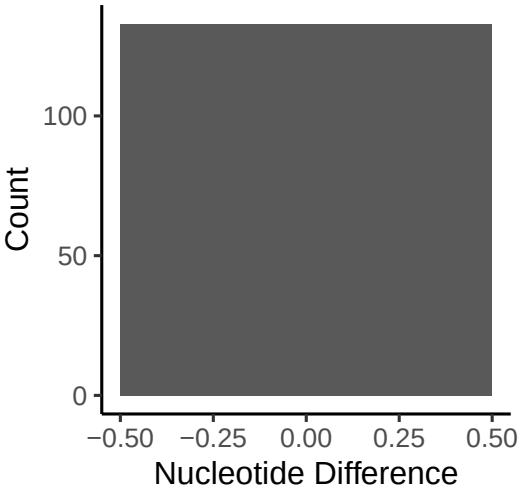
TRBV15*ap02

1660 sequences assigned
1650 (99.4%) exact matches, in which:
1636 unique CDR3
13 unique J



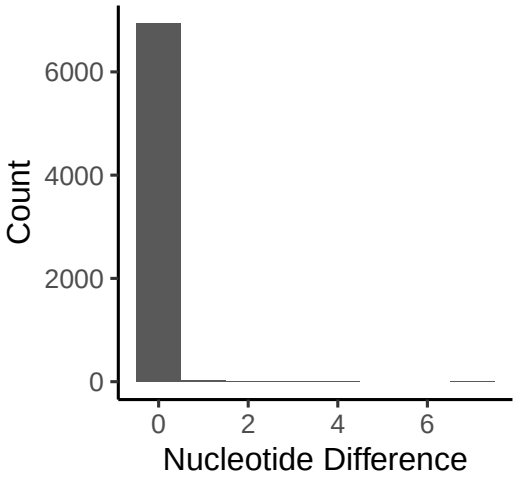
TRBV16*ap01

133 sequences assigned
133 (100%) exact matches, in which:
133 unique CDR3
11 unique J



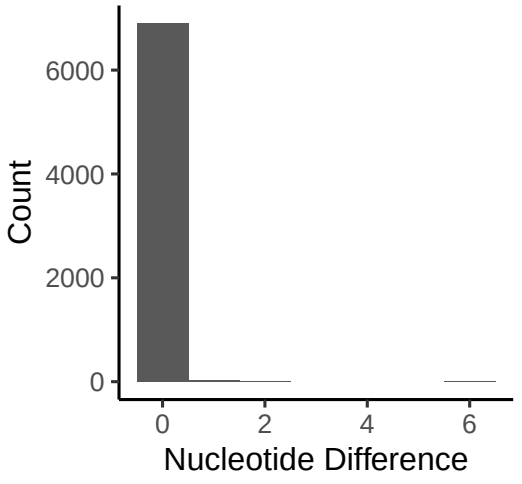
TRBV19*ap01

6984 sequences assigned
6939 (99.4%) exact matches, in which:
6912 unique CDR3
13 unique J



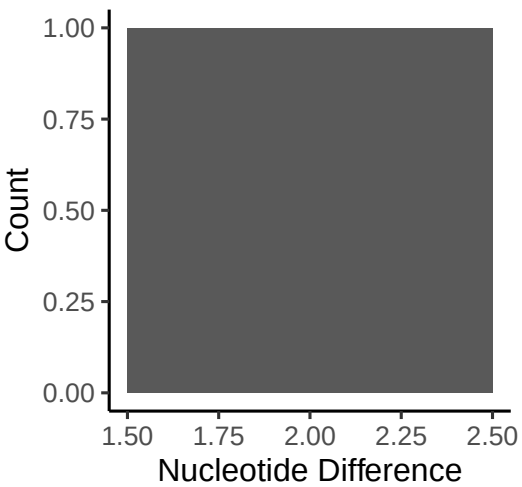
TRBV28*ap01

6929 sequences assigned
6899 (99.6%) exact matches, in which:
6857 unique CDR3
13 unique J



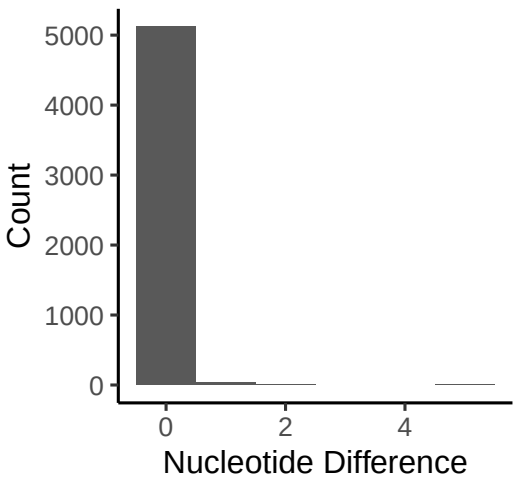
TRBV17*ap01

1 sequences assigned
No exact matches.



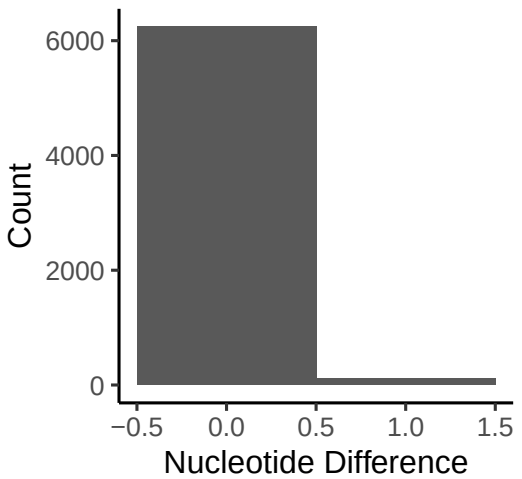
TRBV2*ap01

5162 sequences assigned
5120 (99.2%) exact matches, in which:
5093 unique CDR3
13 unique J



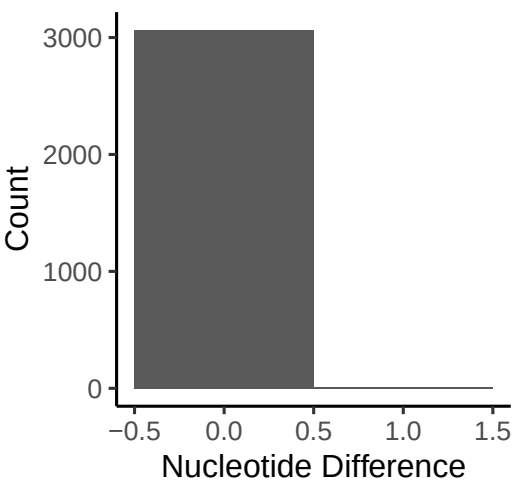
TRBV30*ap01

6348 sequences assigned
6243 (98.3%) exact matches, in which:
6101 unique CDR3
13 unique J



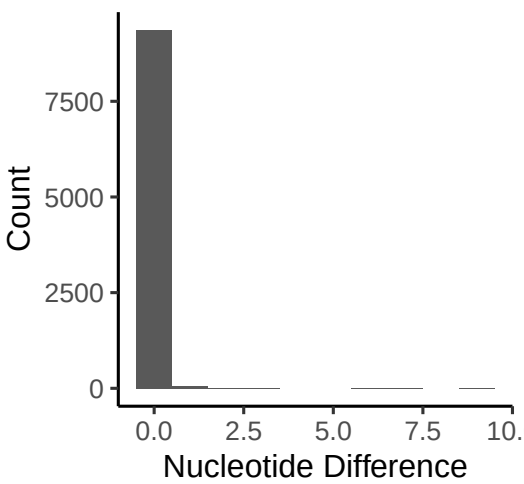
TRBV18*ap01

3073 sequences assigned
3064 (99.7%) exact matches, in which:
3055 unique CDR3
13 unique J



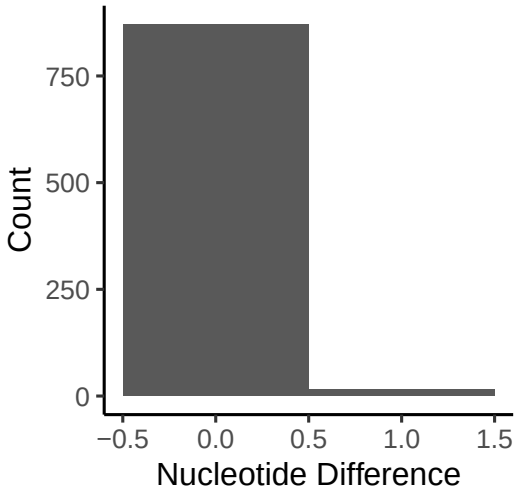
TRBV27*ap01

9437 sequences assigned
9362 (99.2%) exact matches, in which:
9283 unique CDR3
13 unique J



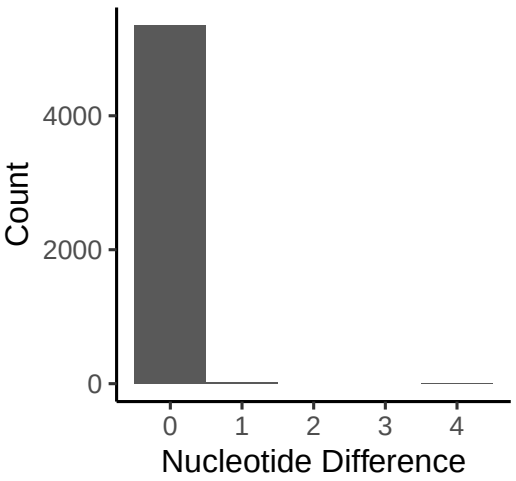
TRBV30*ap03

886 sequences assigned
871 (98.3%) exact matches, in which:
847 unique CDR3
13 unique J



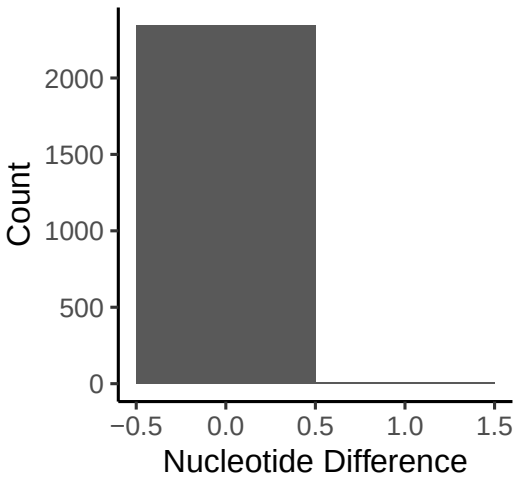
TRBV9*ap01

5381 sequences assigned
5349 (99.4%) exact matches, in which:
5314 unique CDR3
13 unique J



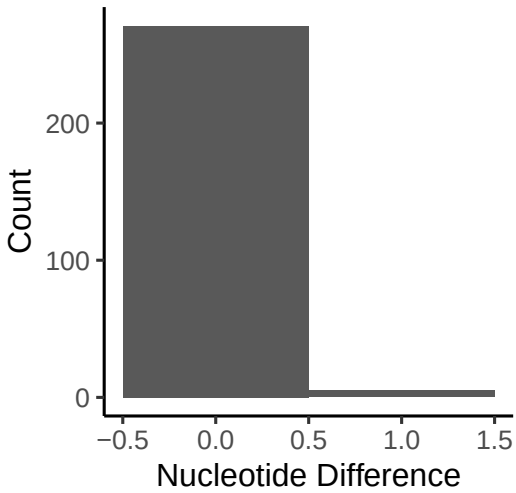
TRBV11−2*ap01

2352 sequences assigned
2344 (99.7%) exact matches, in which:
2332 unique CDR3
13 unique J



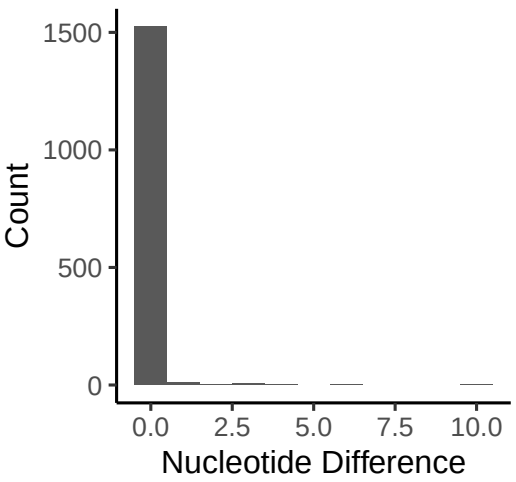
TRBV12−2*ap01

276 sequences assigned
271 (98.2%) exact matches, in which:
270 unique CDR3
13 unique J



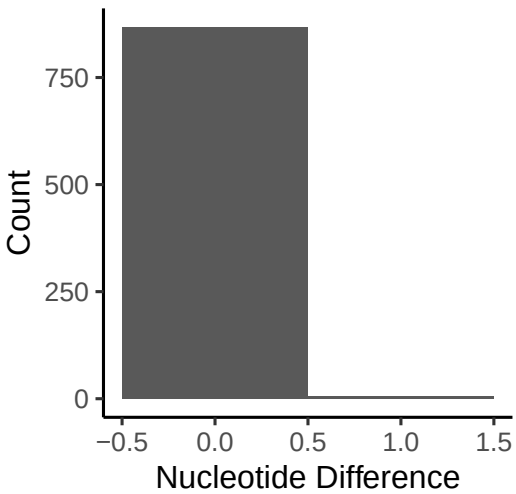
TRBV21−1*ap01

1548 sequences assigned
1524 (98.4%) exact matches, in which:
1519 unique CDR3
13 unique J



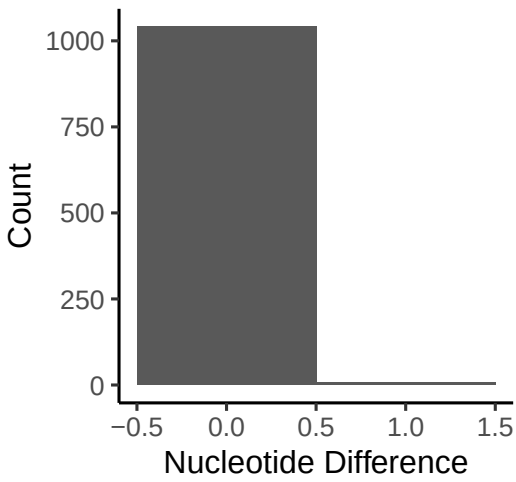
TRBV11−3*ap01

874 sequences assigned
868 (99.3%) exact matches, in which:
866 unique CDR3
13 unique J



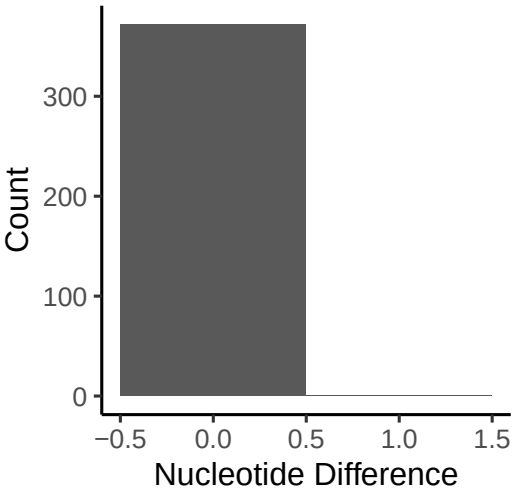
TRBV12−5*ap01

1048 sequences assigned
1041 (99.3%) exact matches, in which:
1035 unique CDR3
13 unique J



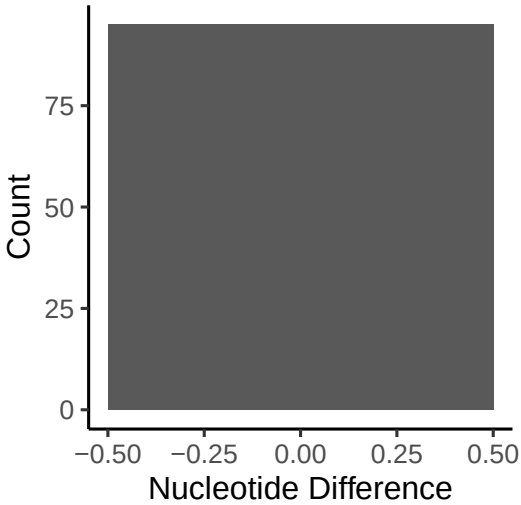
TRBV11−1*ap01

373 sequences assigned
372 (99.7%) exact matches, in which:
372 unique CDR3
13 unique J



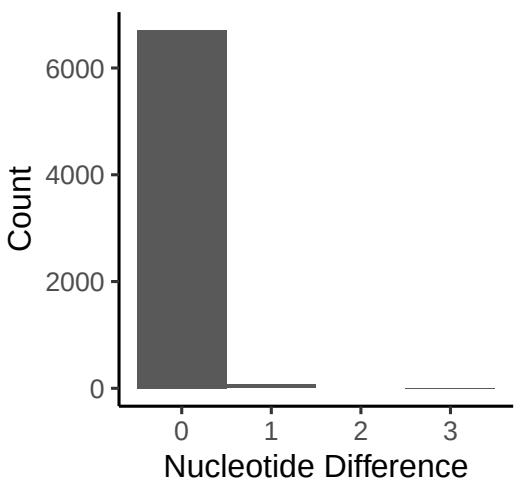
TRBV12−1*ap01

95 sequences assigned
95 (100%) exact matches, in which:
95 unique CDR3
13 unique J



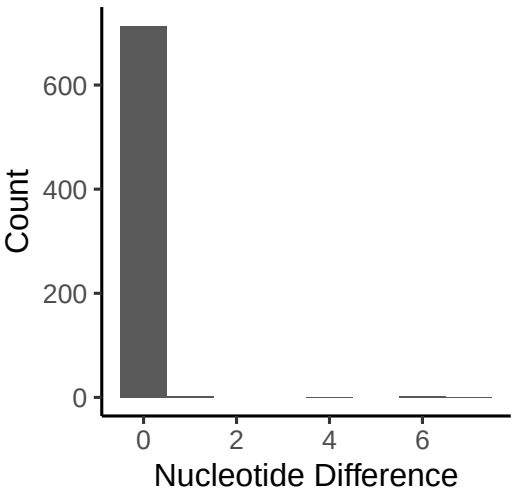
TRBV12−34*ap01

6782 sequences assigned
6711 (99%) exact matches, in which:
6650 unique CDR3
13 unique J



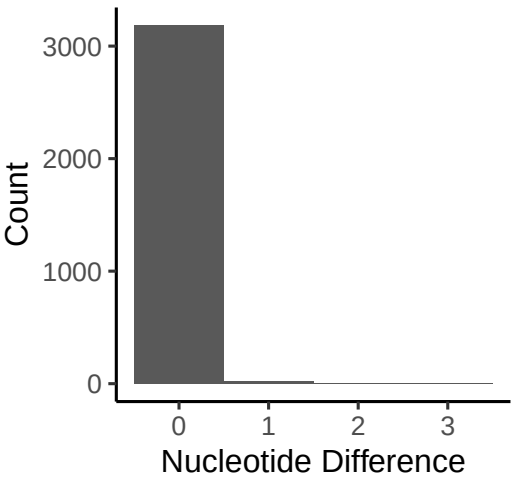
TRBV23−1*ap01

720 sequences assigned
714 (99.2%) exact matches, in which:
712 unique CDR3
13 unique J



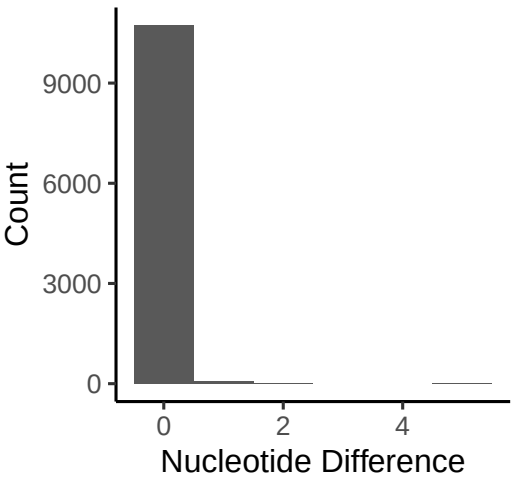
TRBV24−1*ap01

3208 sequences assigned
3184 (99.3%) exact matches, in which:
3149 unique CDR3
13 unique J



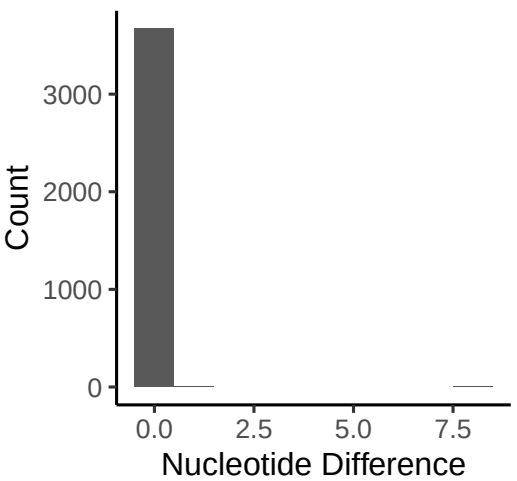
TRBV5−1*ap01

10793 sequences assigned
10727 (99.4%) exact matches, in which:
10599 unique CDR3
13 unique J



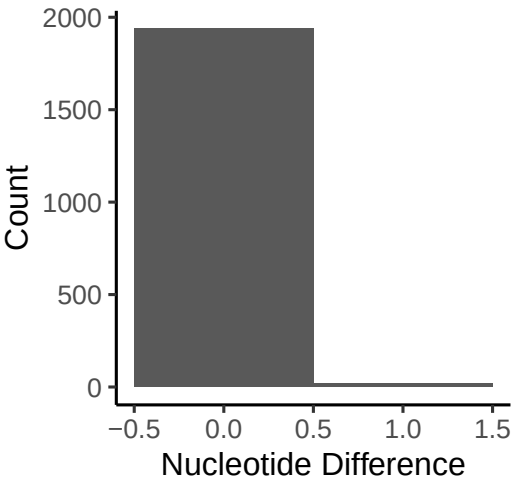
TRBV3−12*ap01

3680 sequences assigned
3670 (99.7%) exact matches, in which:
3658 unique CDR3
13 unique J



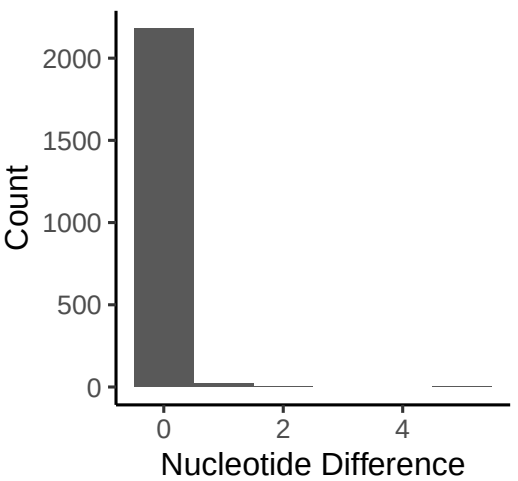
TRBV4−2*ap01

1957 sequences assigned
1938 (99%) exact matches, in which:
1914 unique CDR3
13 unique J



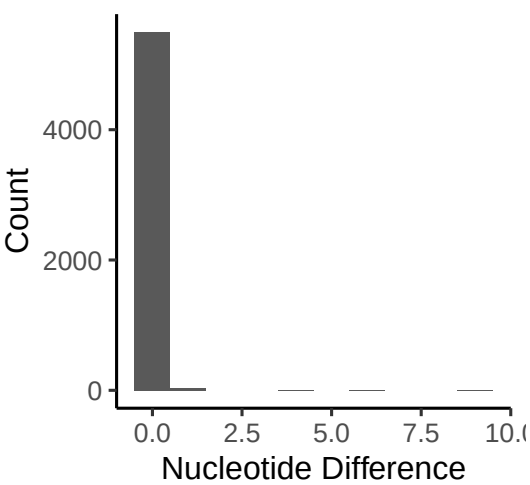
TRBV25−1*ap01

2205 sequences assigned
2179 (98.8%) exact matches, in which:
2142 unique CDR3
13 unique J



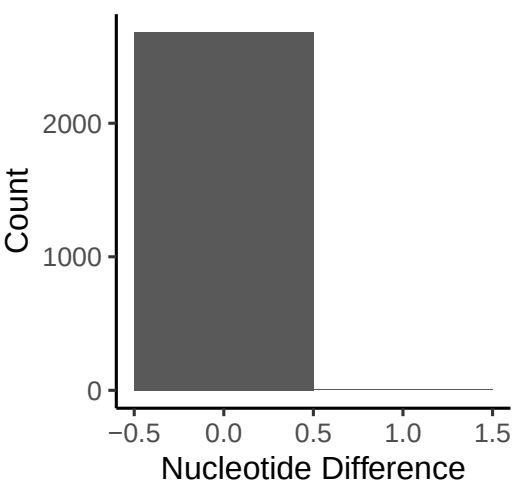
TRBV4−1*ap01

5537 sequences assigned
5499 (99.3%) exact matches, in which:
5428 unique CDR3
13 unique J



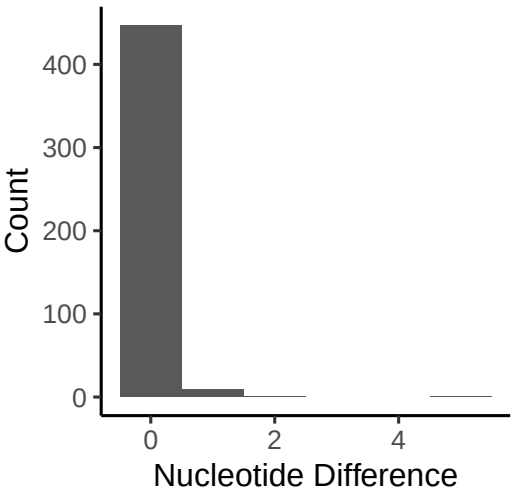
TRBV4−3*ap01

2690 sequences assigned
2683 (99.7%) exact matches, in which:
2657 unique CDR3
13 unique J



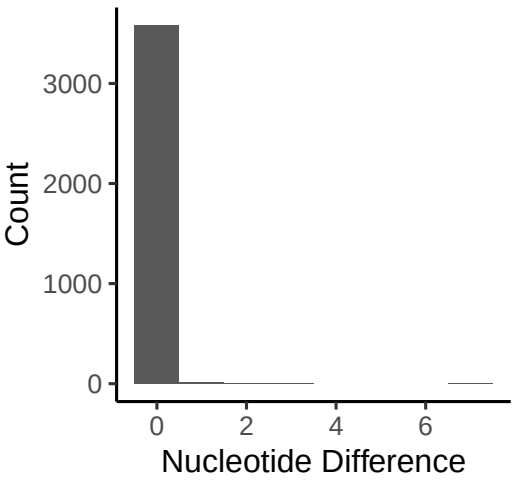
TRBV5−3*ap01

458 sequences assigned
447 (97.6%) exact matches, in which:
445 unique CDR3
13 unique J



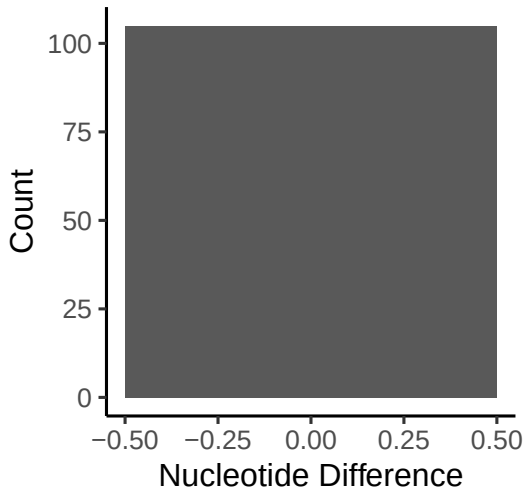
TRBV5−4*ap01

3602 sequences assigned
3580 (99.4%) exact matches, in which:
3522 unique CDR3
13 unique J



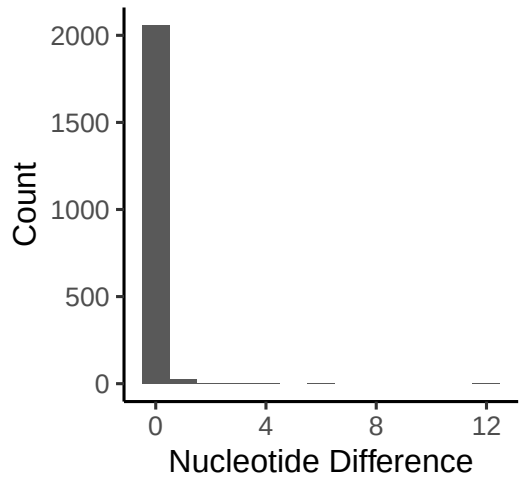
TRBV5−7*ap01

105 sequences assigned
105 (100%) exact matches, in which:
104 unique CDR3
12 unique J



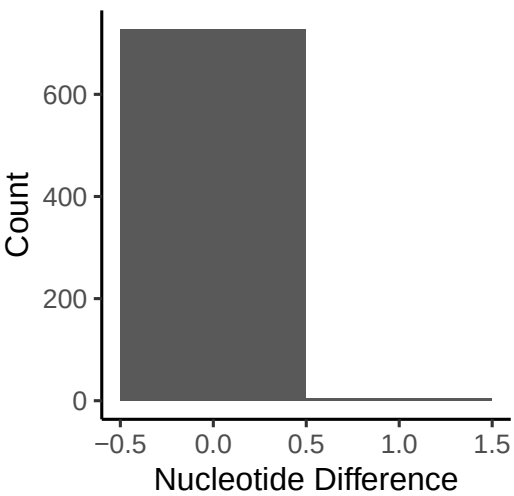
TRBV6−4*ap01

2096 sequences assigned
2057 (98.1%) exact matches, in which:
2043 unique CDR3
13 unique J



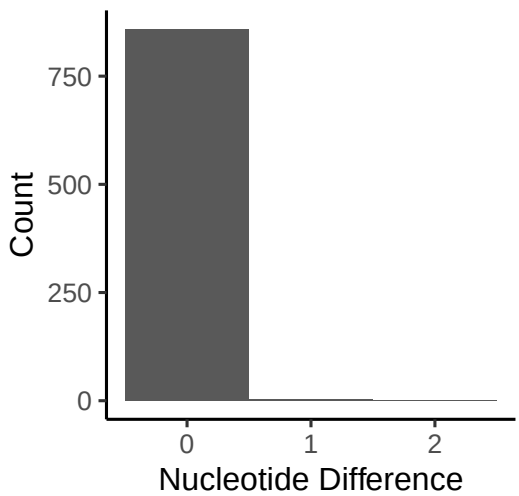
TRBV5−5*ap01

733 sequences assigned
728 (99.3%) exact matches, in which:
725 unique CDR3
13 unique J



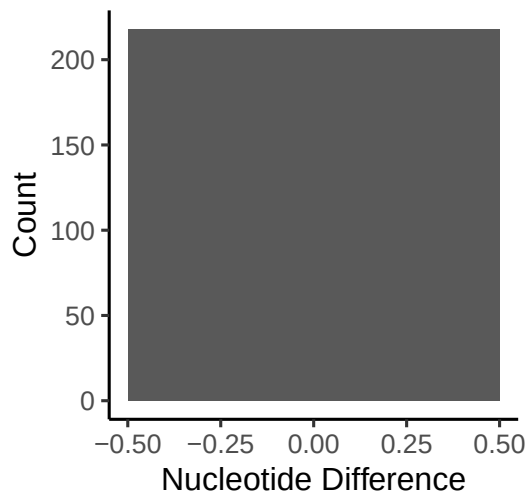
TRBV5−8*ap01

864 sequences assigned
859 (99.4%) exact matches, in which:
856 unique CDR3
13 unique J



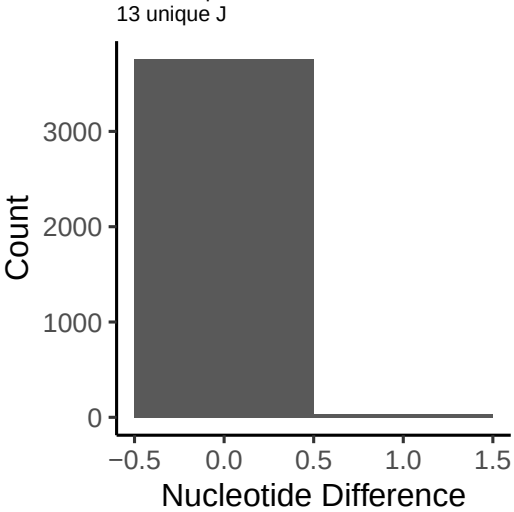
TRBV6−7*ap01

218 sequences assigned
218 (100%) exact matches, in which:
214 unique CDR3
13 unique J



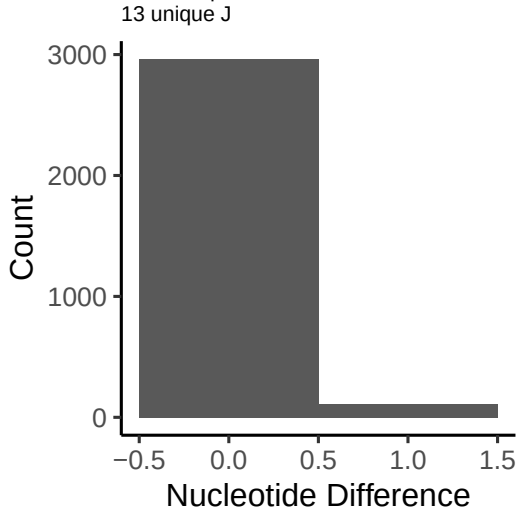
TRBV5−6*ap01

3792 sequences assigned
3759 (99.1%) exact matches, in which:
3688 unique CDR3
13 unique J



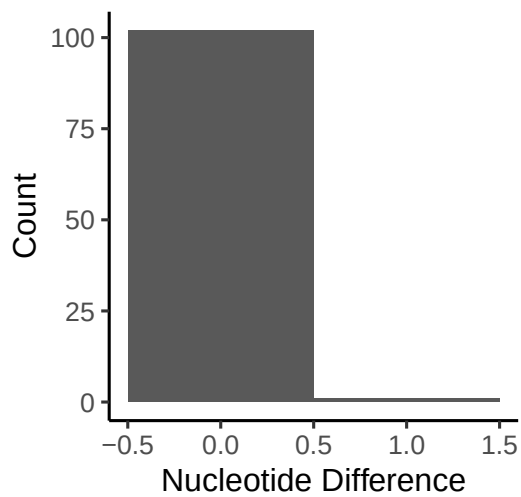
TRBV6−1*ap01

3074 sequences assigned
2963 (96.4%) exact matches, in which:
2935 unique CDR3
13 unique J



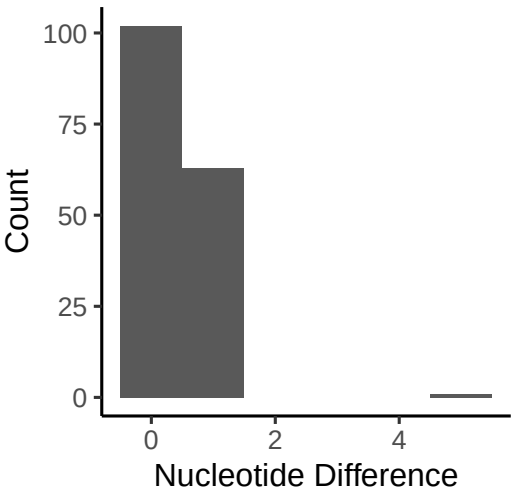
TRBV6−8*ap01

103 sequences assigned
102 (99%) exact matches, in which:
99 unique CDR3
13 unique J



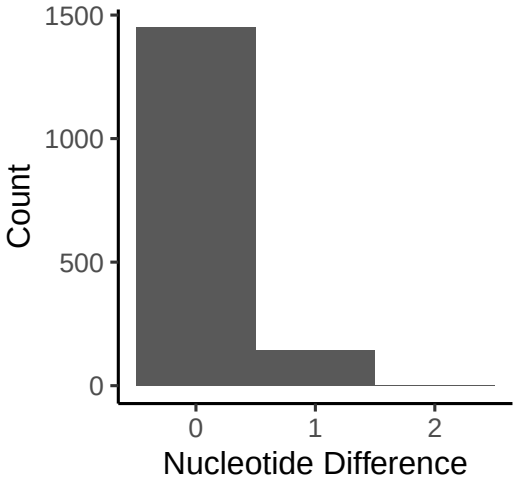
TRBV6−9*ap01

166 sequences assigned
102 (61.4%) exact matches, in which:
101 unique CDR3
13 unique J



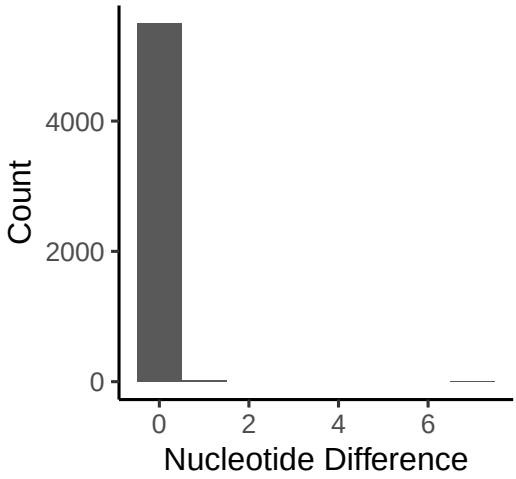
TRBV6−56*ap02

1593 sequences assigned
1450 (91%) exact matches, in which:
1427 unique CDR3
13 unique J



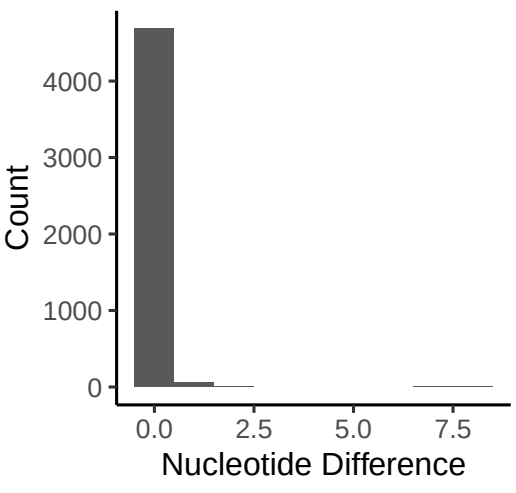
TRBV7−2*ap01

5521 sequences assigned
5499 (99.6%) exact matches, in which:
5455 unique CDR3
13 unique J



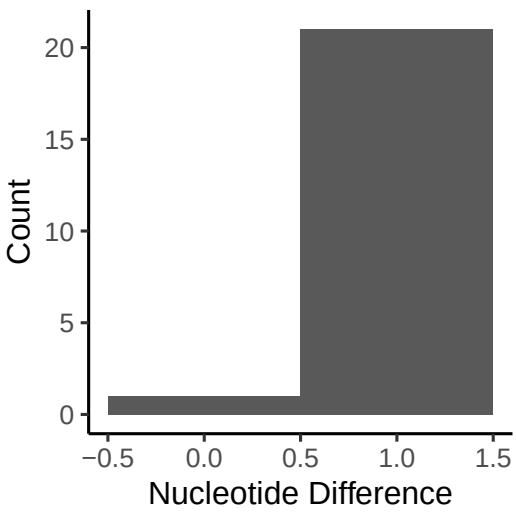
TRBV6−23*ap01

4741 sequences assigned
4684 (98.8%) exact matches, in which:
4612 unique CDR3
13 unique J



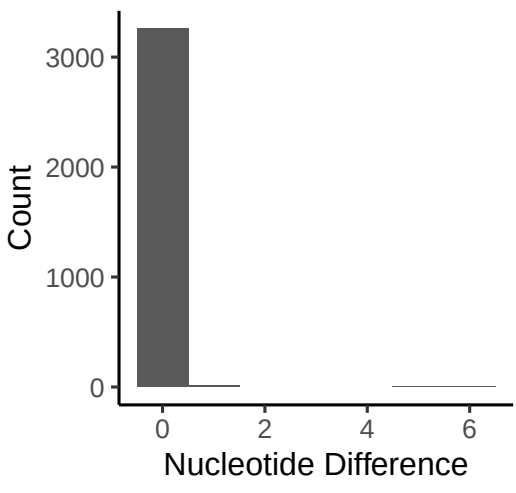
TRBV7−1*ap01_T296C

22 sequences assigned
1 (4.5%) exact matches, in which:
1 unique CDR3
1 unique J



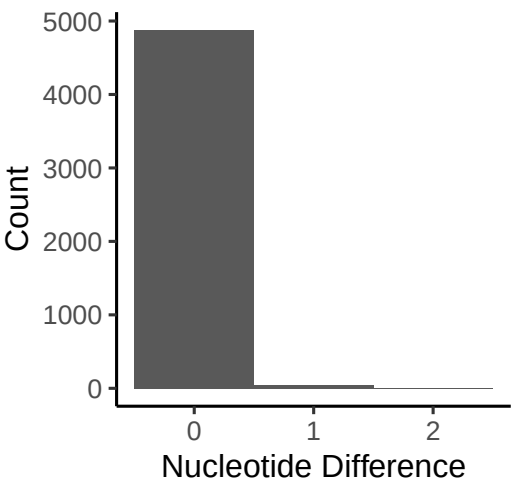
TRBV7−3*ap01

3273 sequences assigned
3258 (99.5%) exact matches, in which:
3239 unique CDR3
14 unique J



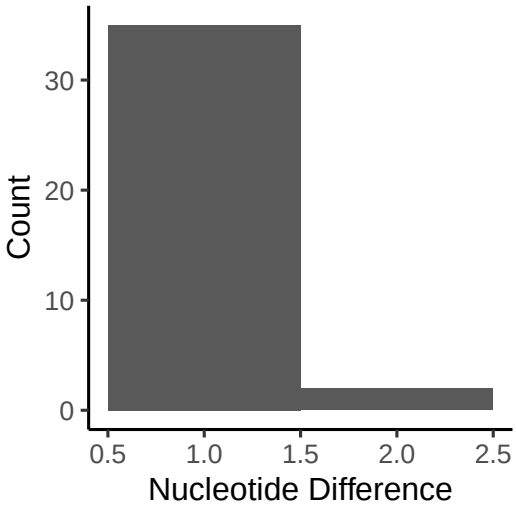
TRBV6−56*ap01

4925 sequences assigned
4877 (99%) exact matches, in which:
4825 unique CDR3
13 unique J



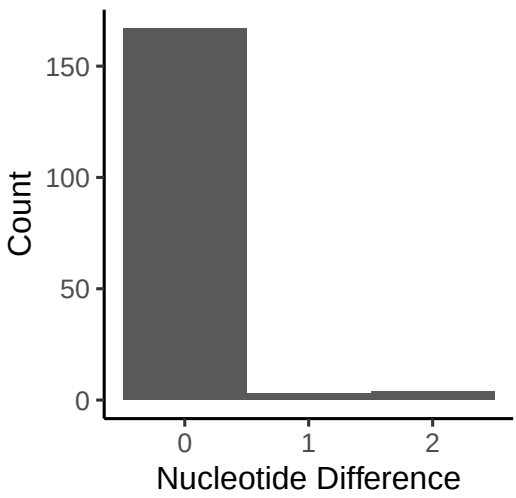
TRBV7−1*ap01_T296C_C

37 sequences assigned
No exact matches.



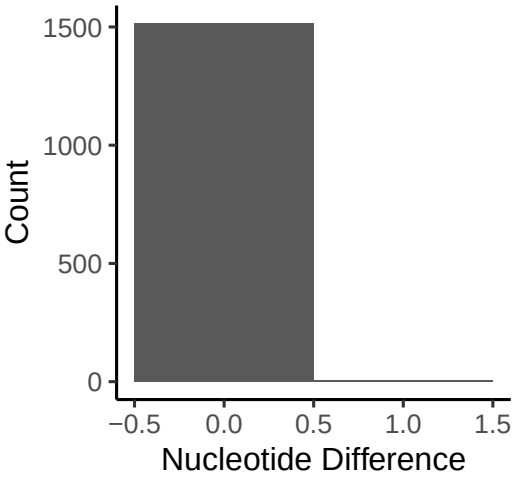
TRBV7−4*ap01

174 sequences assigned
167 (96%) exact matches, in which:
167 unique CDR3
13 unique J



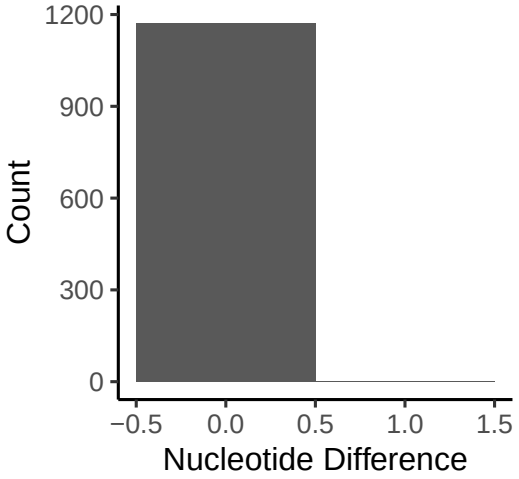
TRBV7−6*ap01

1520 sequences assigned
1515 (99.7%) exact matches, in which:
1504 unique CDR3
13 unique J



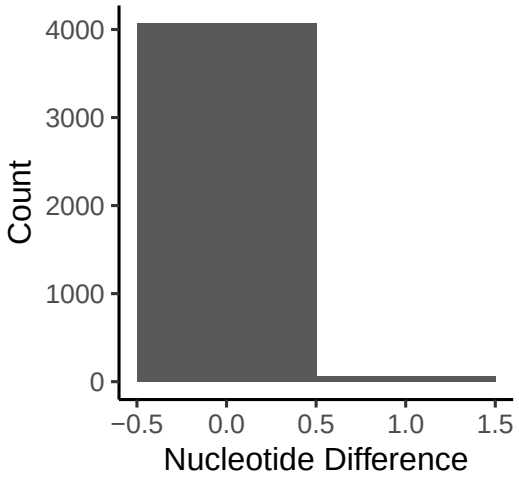
TRBV7−8*ap01

1174 sequences assigned
1171 (99.7%) exact matches, in which:
1164 unique CDR3
13 unique J



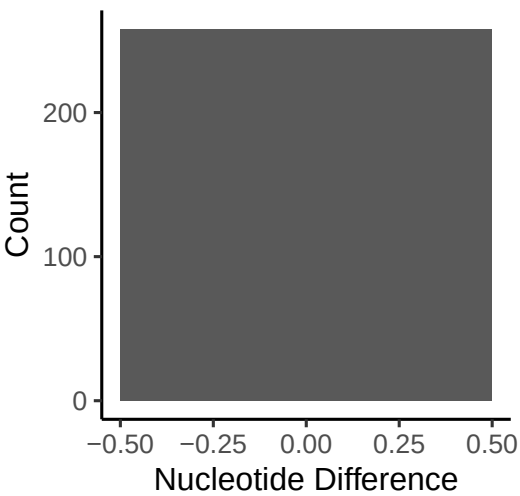
TRBV29−1*ap01

4132 sequences assigned
4069 (98.5%) exact matches, in which:
3999 unique CDR3
13 unique J



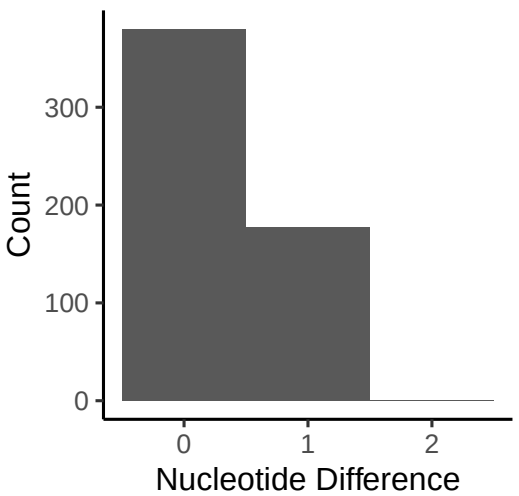
TRBV7−7*ap01

258 sequences assigned
258 (100%) exact matches, in which:
255 unique CDR3
13 unique J



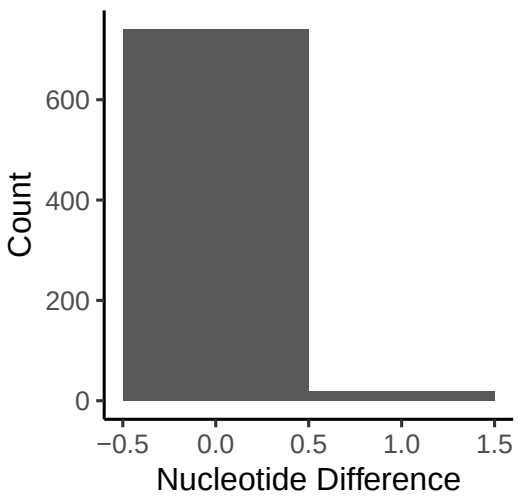
TRBV7−8*ap03

558 sequences assigned
380 (68.1%) exact matches, in which:
376 unique CDR3
13 unique J



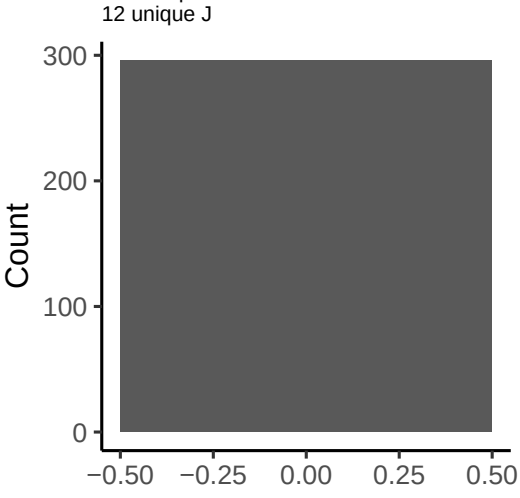
TRBV29−1*ap02

759 sequences assigned
741 (97.6%) exact matches, in which:
725 unique CDR3
13 unique J



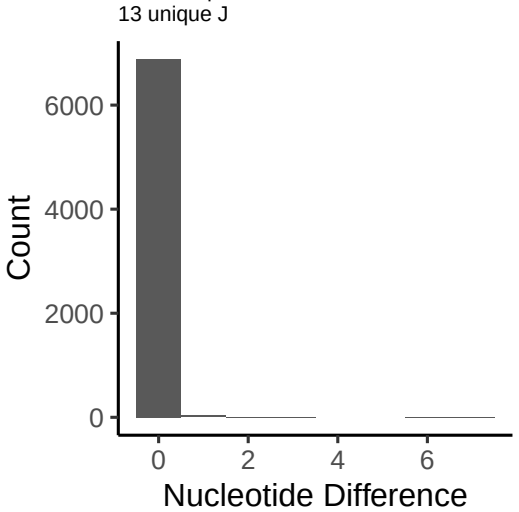
TRBV7−7*ap01_C315T

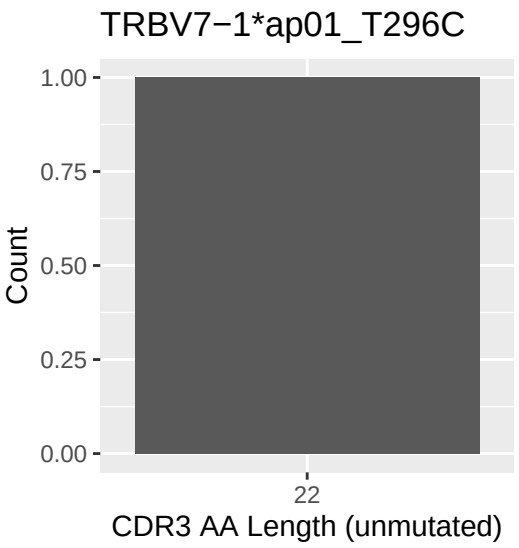
296 sequences assigned
296 (100%) exact matches, in which:
296 unique CDR3
12 unique J

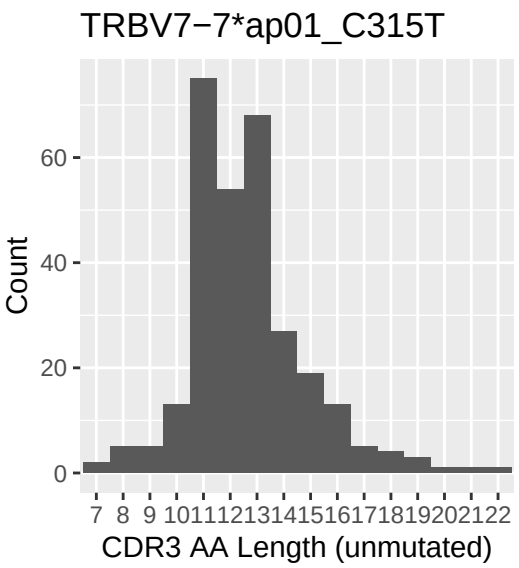


TRBV7−9*ap01

6927 sequences assigned
6885 (99.4%) exact matches, in which:
6836 unique CDR3
13 unique J




TRBV7−1*ap01_T296C
1.00
0.75
0.50
0.25
0.00
Count
22
CDR3 AA Length (unmutated)


TRBV7−7*ap01_C315T
60
40
20
0
Count
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
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.