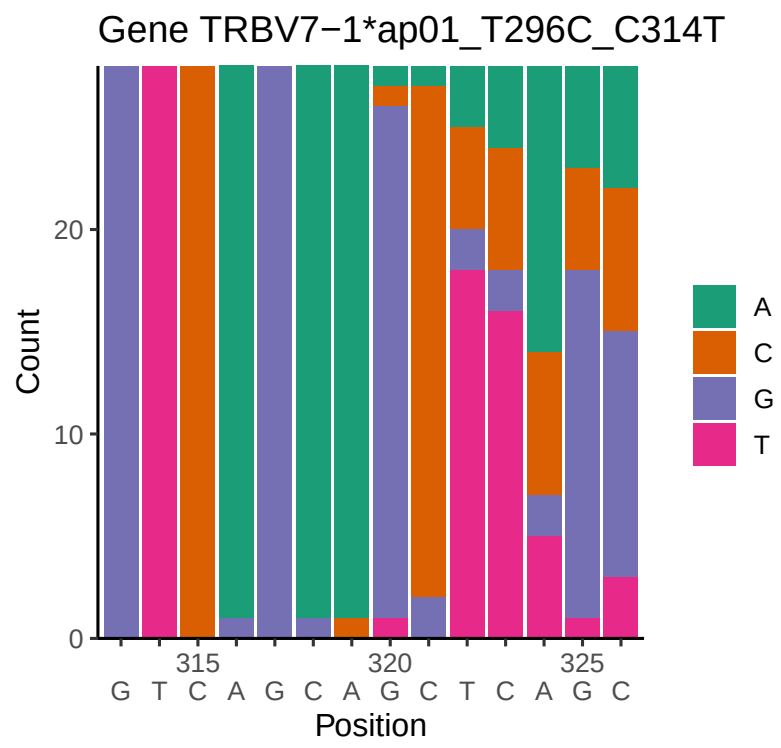
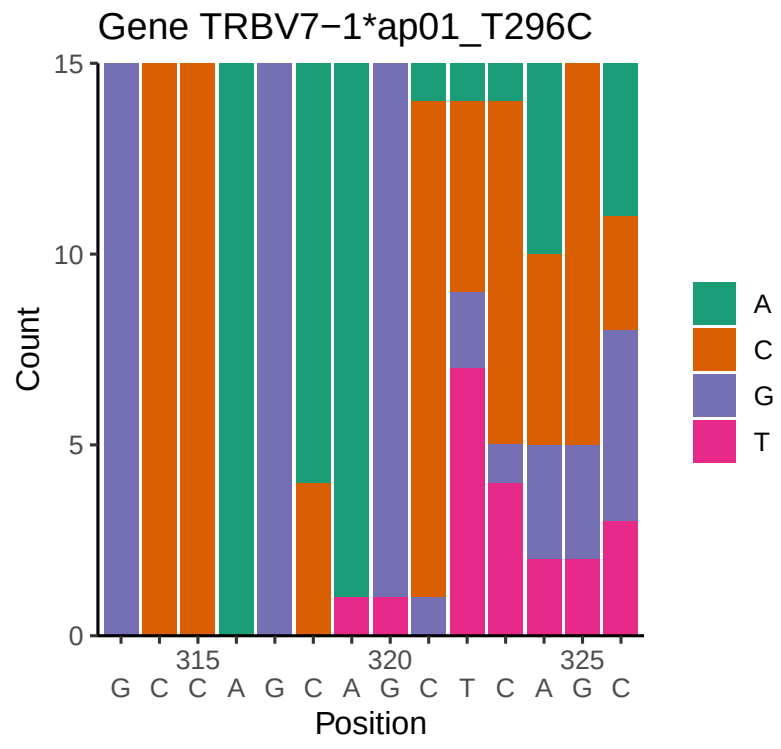
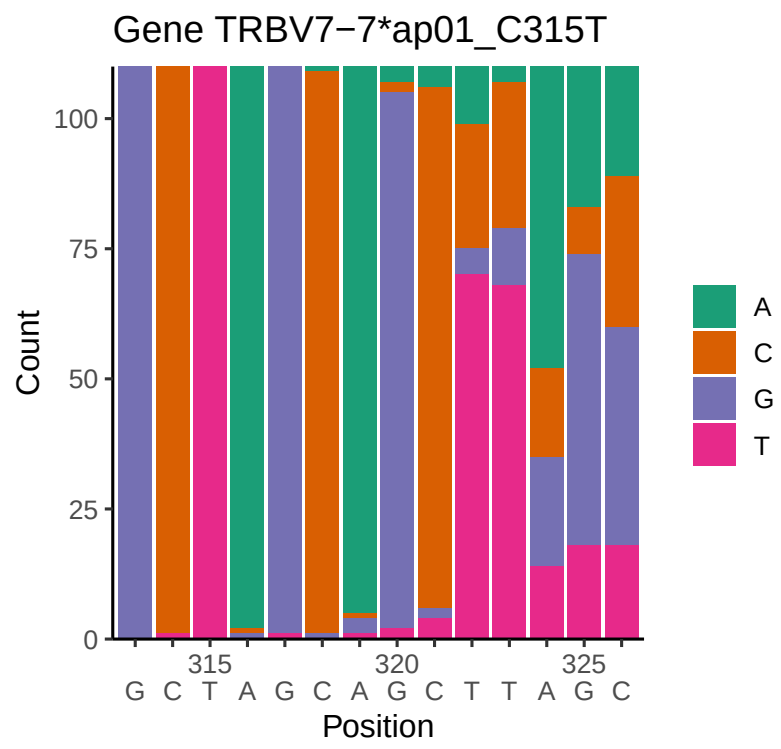
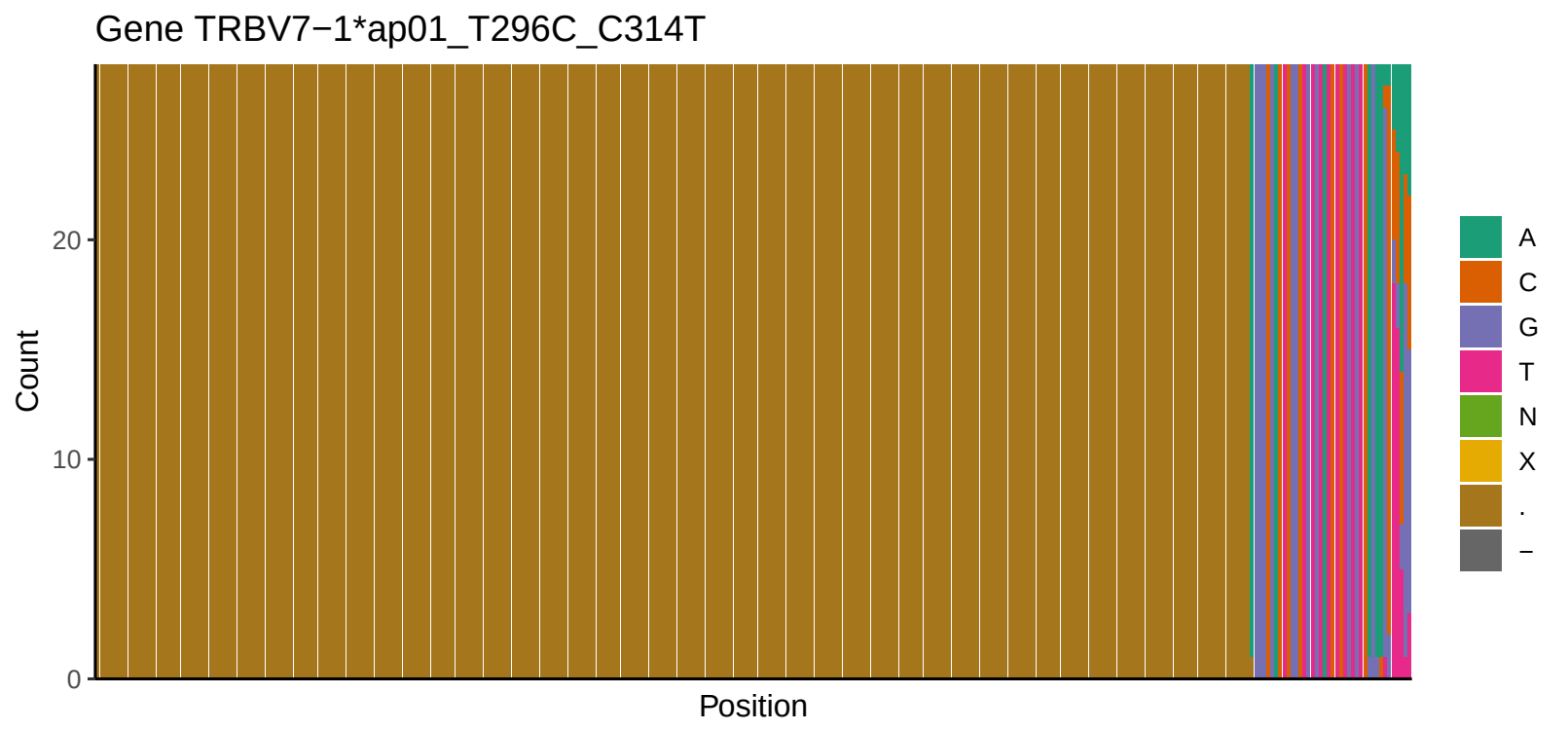
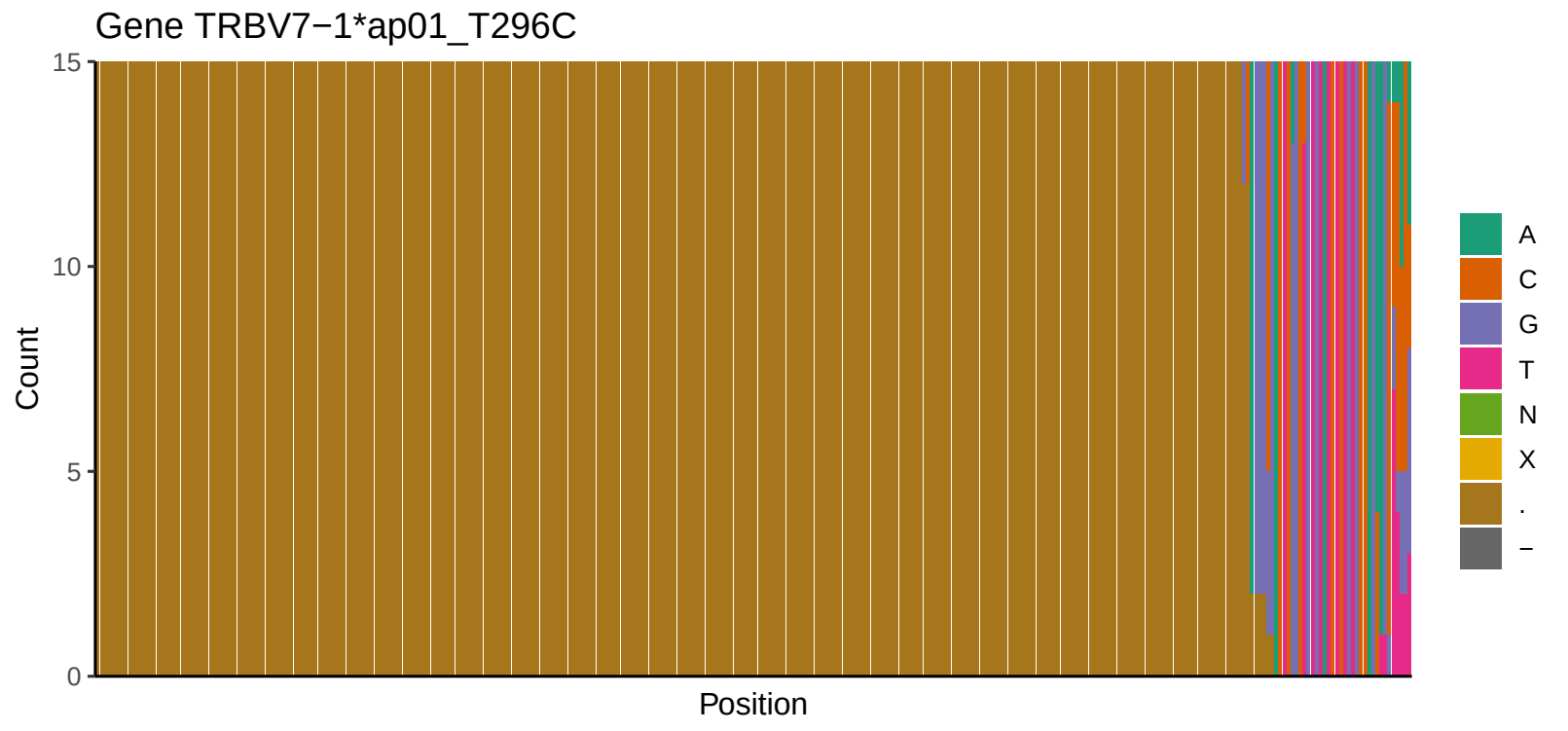
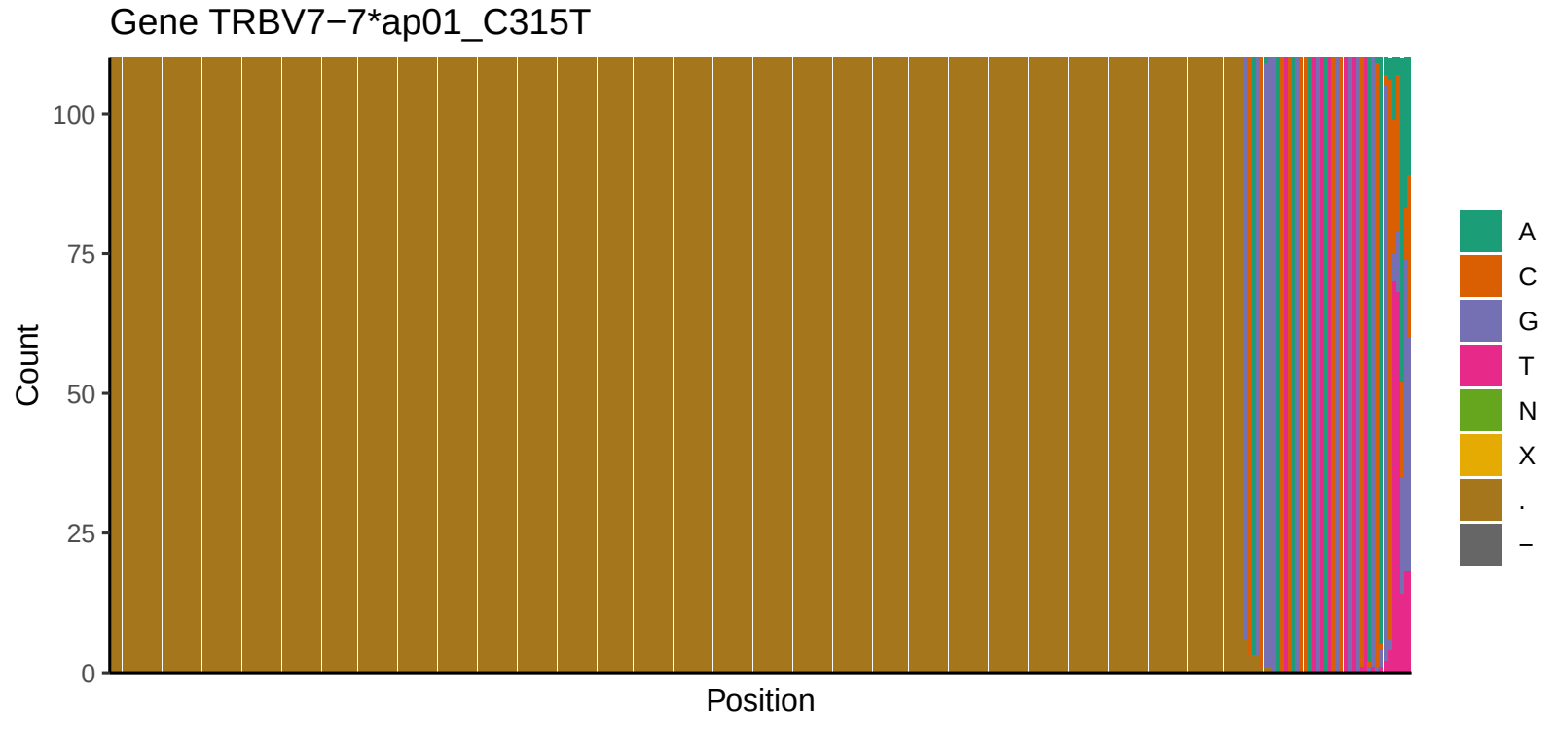

Gene TRBV7−1*ap01_T296C_C314T
Count
0
10
20
315
320
325
G T C A G C A G C T C A G C
Position
A
C
G
T

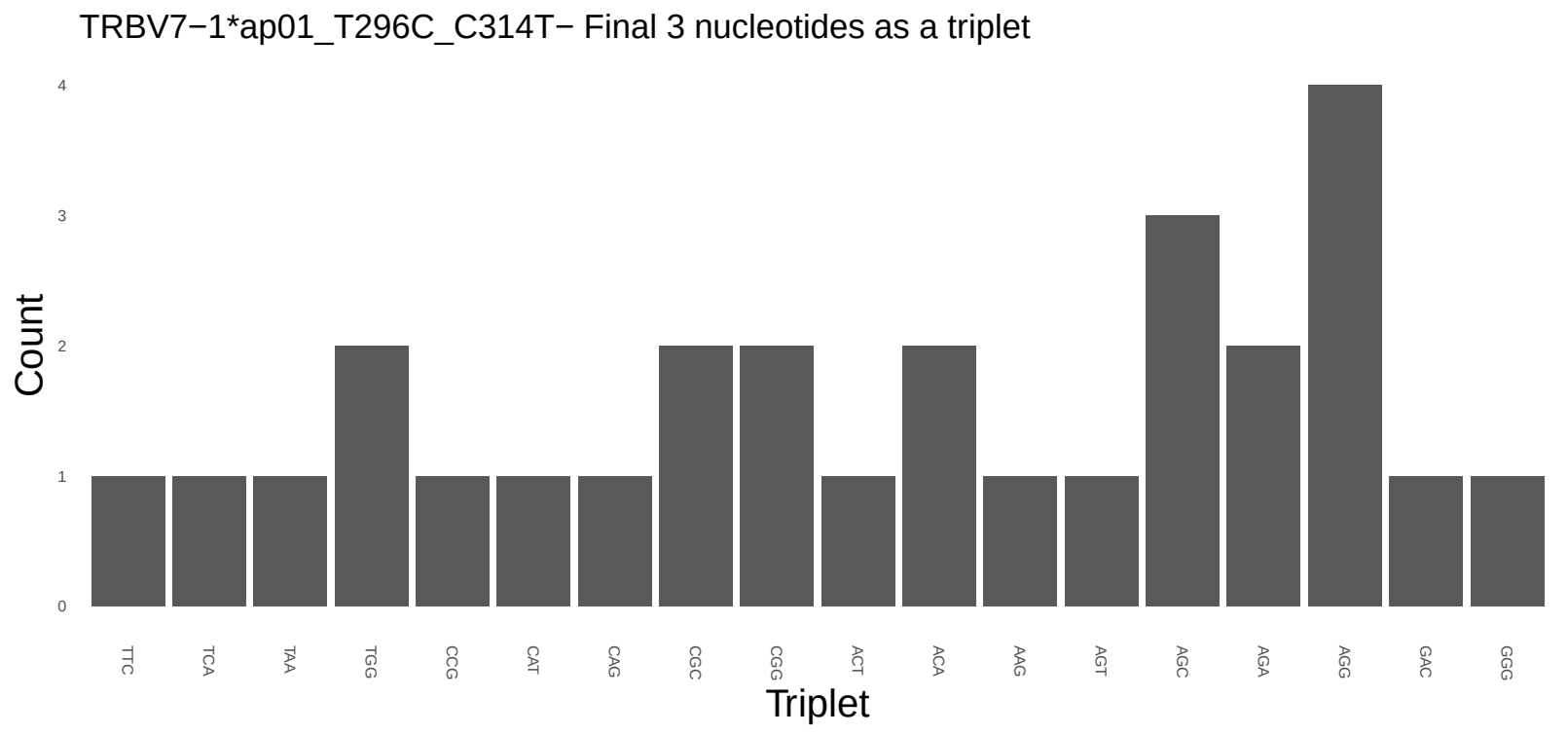

Gene TRBV7−1*ap01_T296C
Count
0
5
10
15
315
320
325
G C C A G C A G C T C A G C
Position
A
C
G
T

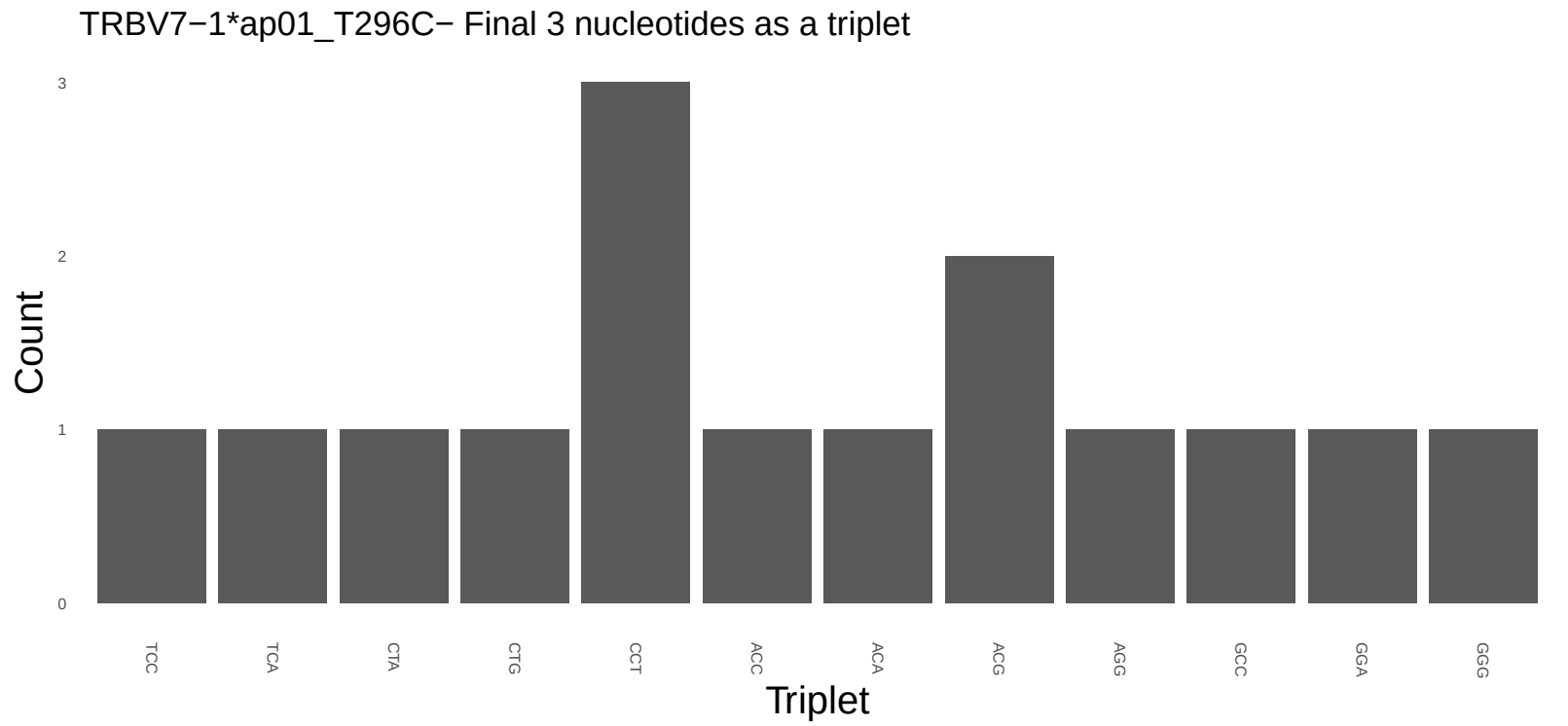

Gene TRBV7−7*ap01_C315T
Count
0
25
50
75
100
315
320
325
G C T A G C A G C T T A G C
Position
A
C
G
T

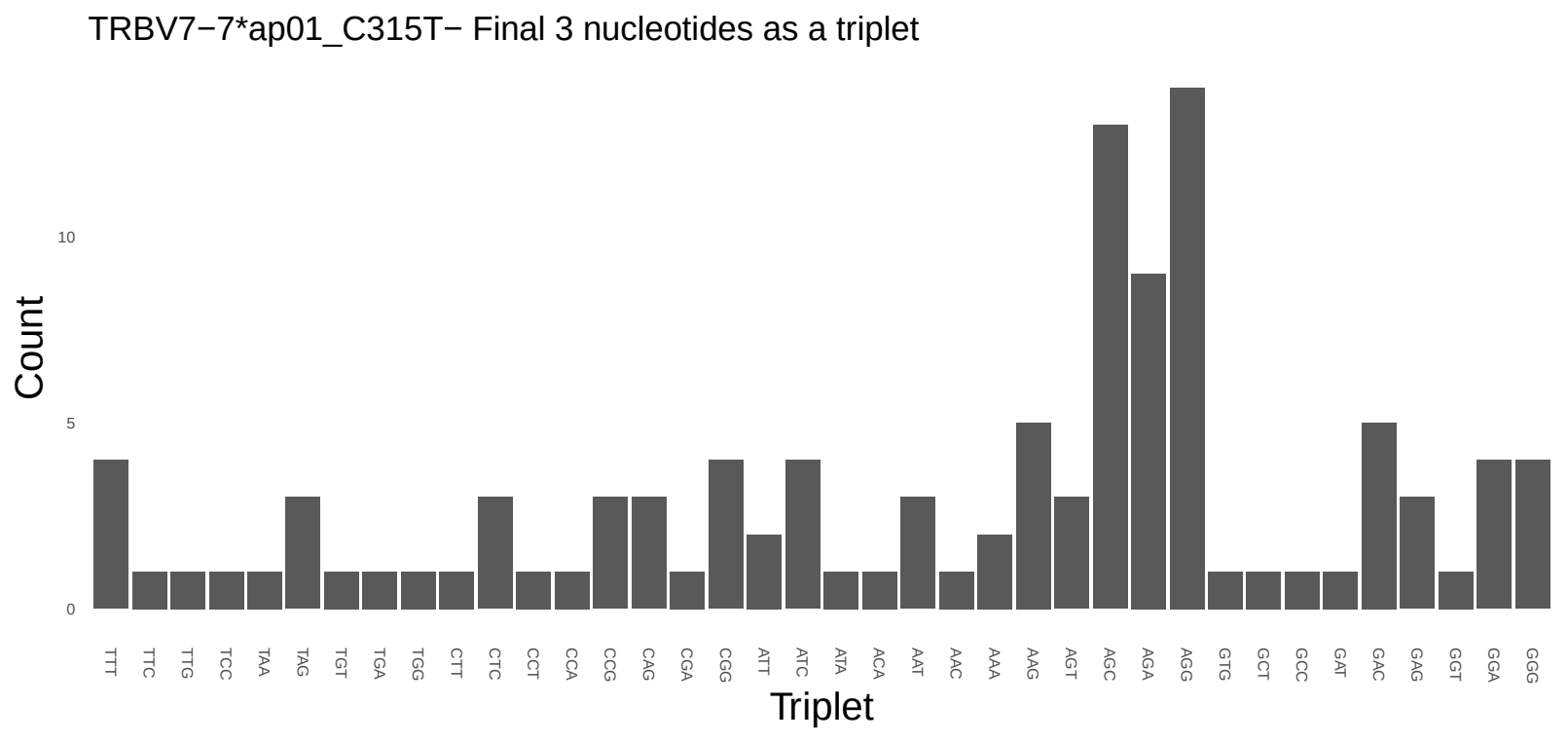

Gene TRBV7−1*ap01_T296C_C314T
Count
20
10
0
Position
A
C
G
T
N
X
.
–


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


Gene TRBV7−7*ap01_C315T
Count
100
75
50
25
0
Position
A
C
G
T
N
X
.
–

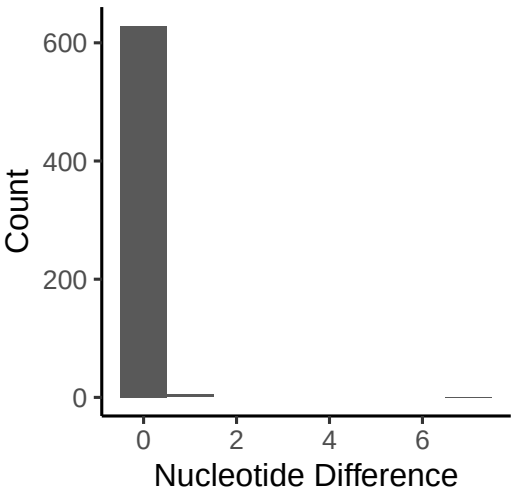

TRBV7−1*ap01_T296C_C314T− Final 3 nucleotides as a triplet
Count
0
1
2
3
4
TTC
TCA
TAA
TGG
CCG
CAT
CAG
CGC
CGG
ACT
ACA
AAG
AGT
AGC
AGA
AGG
GAC
GGG
Triplet


TRBV7−1*ap01_T296C− Final 3 nucleotides as a triplet
Count
0
1
2
3
TCC
TCA
CTA
CTG
CCT
ACC
ACA
ACG
AGG
GCC
GGA
GGG
Triplet


TRBV7−7*ap01_C315T− Final 3 nucleotides as a triplet
Count
0
5
10
TTT
TTC
TTG
TCC
TAA
TAG
TGT
TGA
TGG
CTT
CTC
CCT
CCA
CCG
CAG
CGA
CGG
ATT
ATC
ATA
ACA
AAT
AAC
AAA
AAG
AGT
AGC
AGA
AGG
GTG
GCT
GCC
GAT
GAC
GAG
GGT
GGA
GGG
Triplet

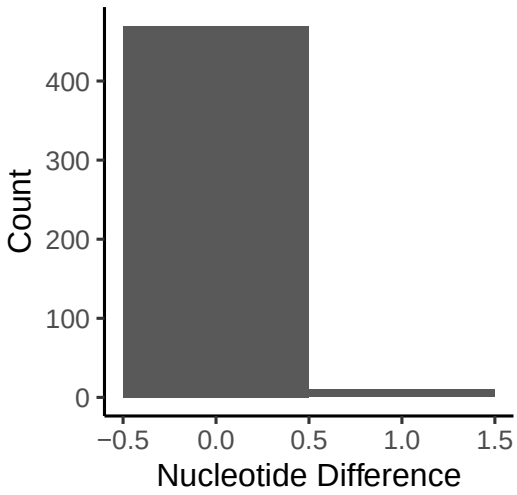
TRBV10−1*ap01

635 sequences assigned
629 (99.1%) exact matches, in which:
609 unique CDR3
13 unique J



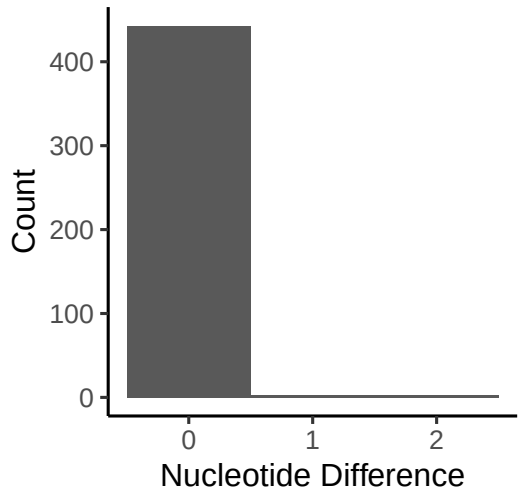
TRBV10−2*ap01

480 sequences assigned
470 (97.9%) exact matches, in which:
458 unique CDR3
13 unique J



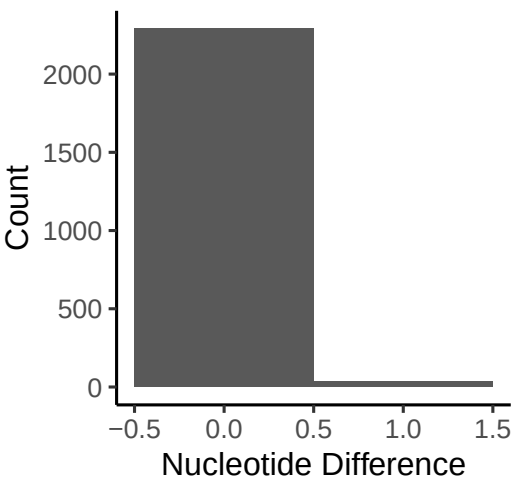
TRBV13*ap01

449 sequences assigned
443 (98.7%) exact matches, in which:
425 unique CDR3
13 unique J



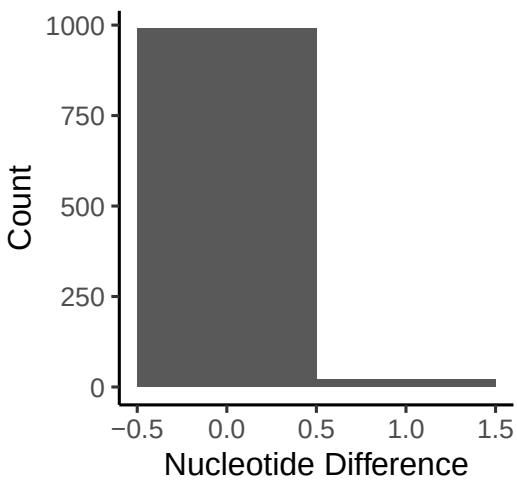
TRBV20−1*ap01

2328 sequences assigned
2290 (98.4%) exact matches, in which:
2210 unique CDR3
13 unique J



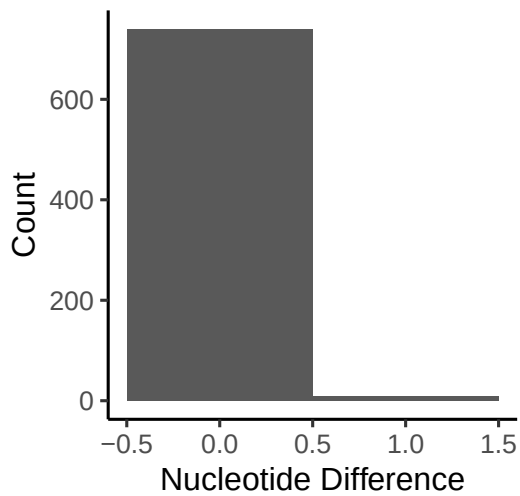
TRBV10−3*ap01

1011 sequences assigned
990 (97.9%) exact matches, in which:
963 unique CDR3
13 unique J



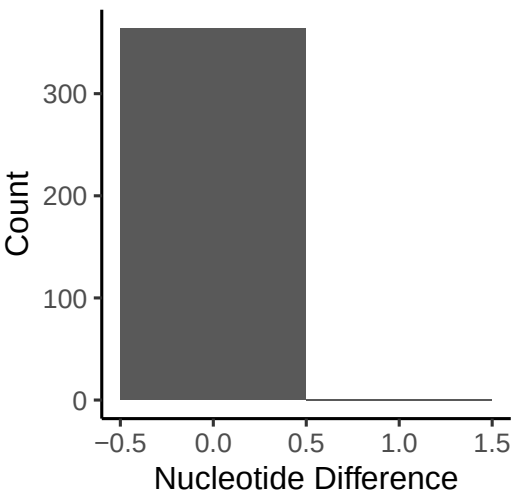
TRBV14*ap01

749 sequences assigned
740 (98.8%) exact matches, in which:
722 unique CDR3
13 unique J



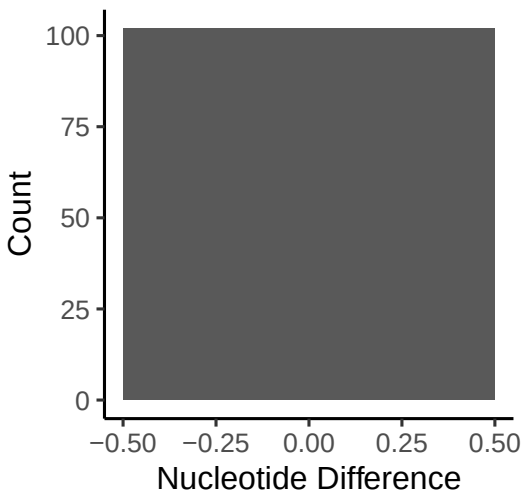
TRBV20−1*ap02

365 sequences assigned
364 (99.7%) exact matches, in which:
351 unique CDR3
13 unique J



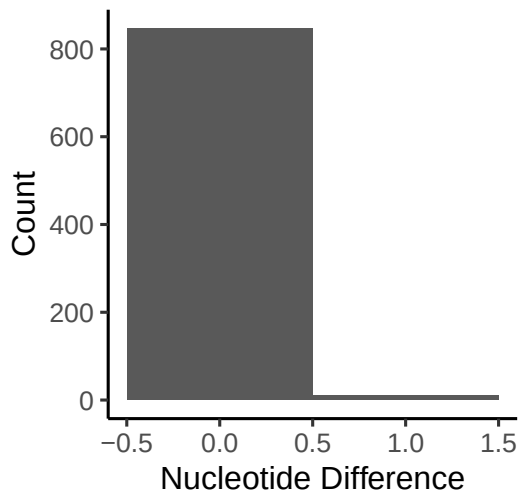
TRBV1*ap01

102 sequences assigned
102 (100%) exact matches, in which:
99 unique CDR3
13 unique J



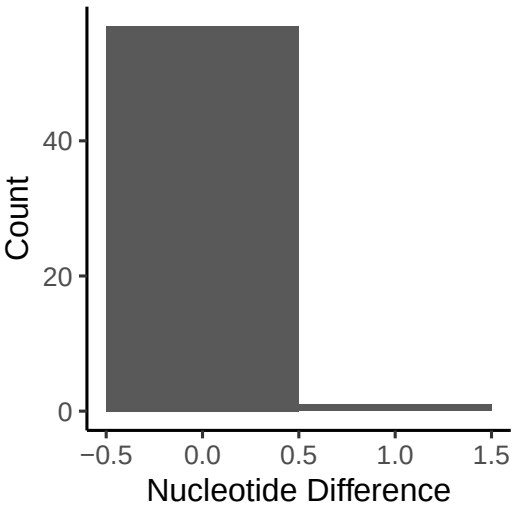
TRBV15*ap02

858 sequences assigned
847 (98.7%) exact matches, in which:
821 unique CDR3
13 unique J



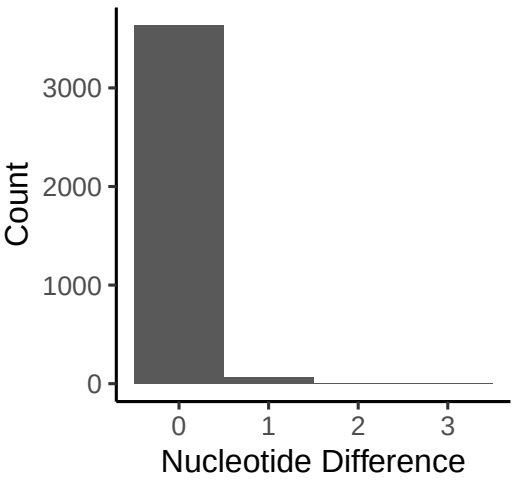
TRBV16*ap01

58 sequences assigned
57 (98.3%) exact matches, in which:
55 unique CDR3
10 unique J



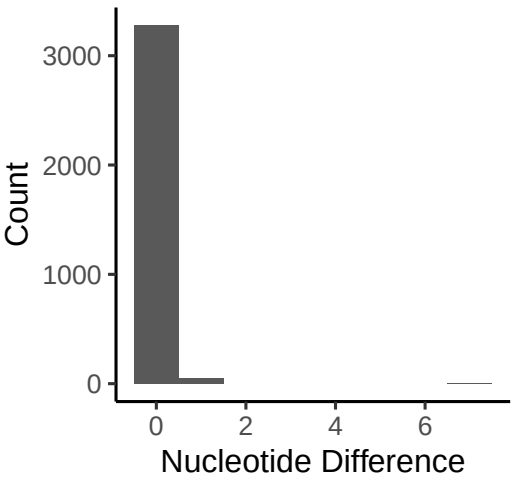
TRBV19*ap01

3702 sequences assigned
3634 (98.2%) exact matches, in which:
3532 unique CDR3
13 unique J



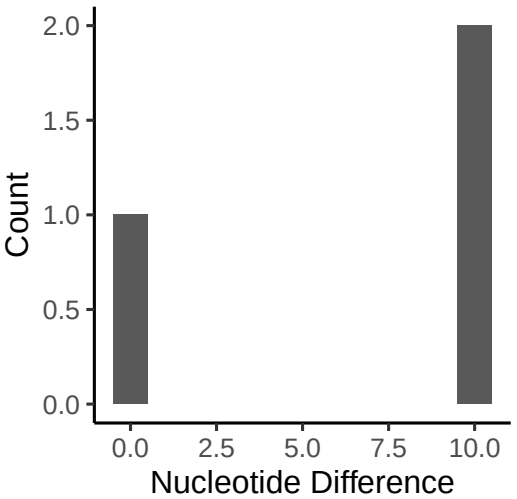
TRBV28*ap01

3330 sequences assigned
3277 (98.4%) exact matches, in which:
3154 unique CDR3
13 unique J



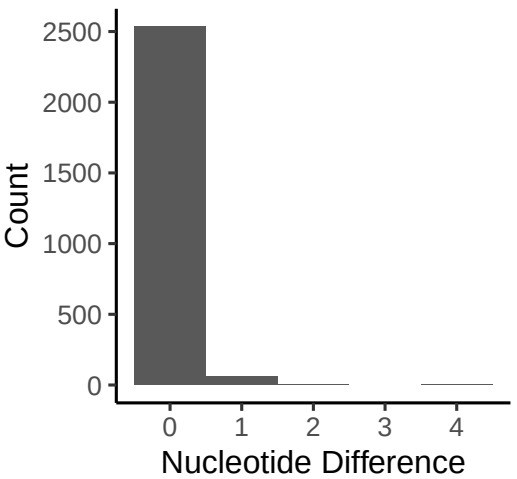
TRBV17*ap01

3 sequences assigned
1 (33.3%) exact matches, in which:
1 unique CDR3
1 unique J



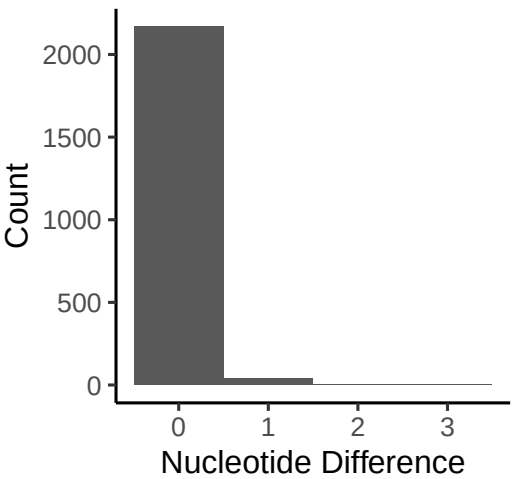
TRBV2*ap01

2597 sequences assigned
2534 (97.6%) exact matches, in which:
2460 unique CDR3
13 unique J



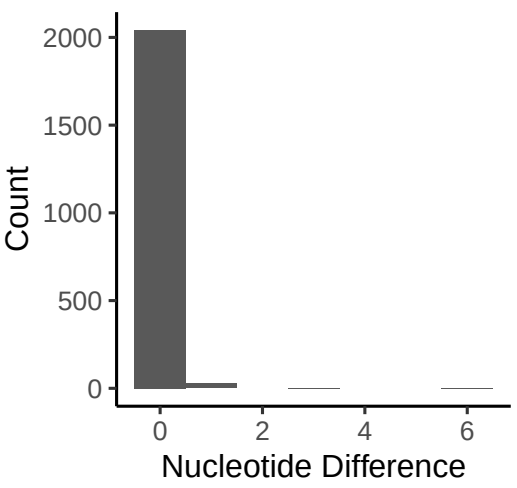
TRBV30*ap01

2212 sequences assigned
2168 (98%) exact matches, in which:
2109 unique CDR3
13 unique J



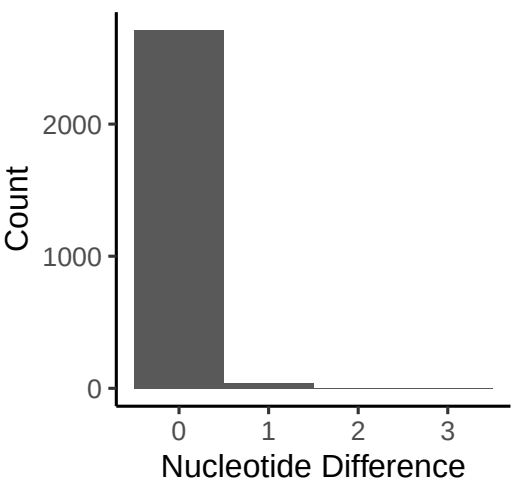
TRBV18*ap01

2073 sequences assigned
2042 (98.5%) exact matches, in which:
1982 unique CDR3
13 unique J



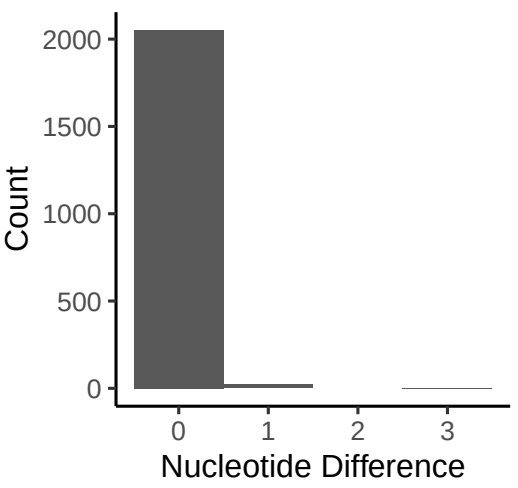
TRBV27*ap01

2758 sequences assigned
2712 (98.3%) exact matches, in which:
2598 unique CDR3
13 unique J



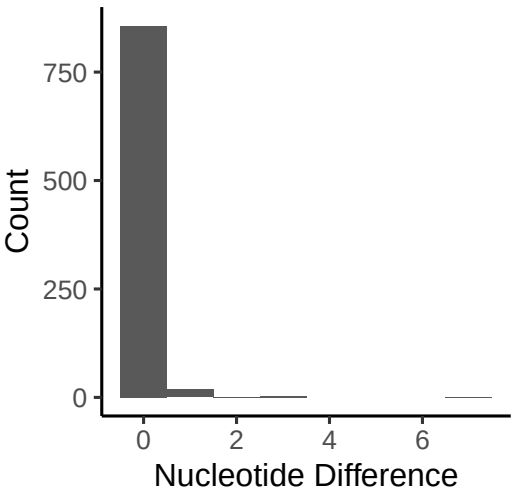
TRBV9*ap01

2075 sequences assigned
2052 (98.9%) exact matches, in which:
1995 unique CDR3
13 unique J



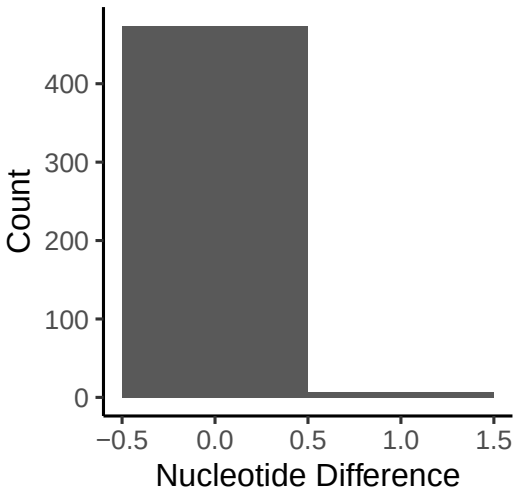
TRBV21−1*ap01

880 sequences assigned
857 (97.4%) exact matches, in which:
838 unique CDR3
13 unique J



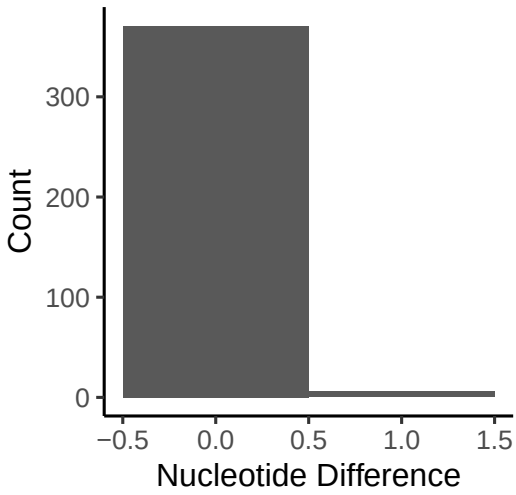
TRBV11−3*ap01

481 sequences assigned
474 (98.5%) exact matches, in which:
463 unique CDR3
13 unique J



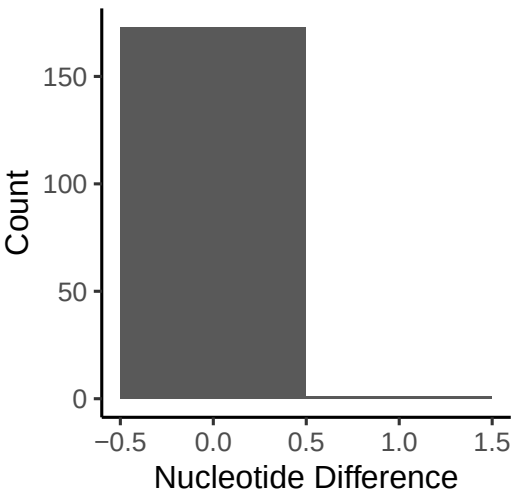
TRBV12−5*ap01

377 sequences assigned
371 (98.4%) exact matches, in which:
364 unique CDR3
13 unique J



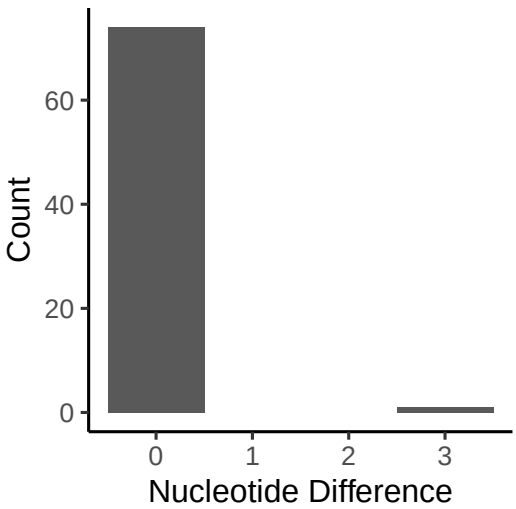
TRBV11−1*ap01

174 sequences assigned
173 (99.4%) exact matches, in which:
169 unique CDR3
12 unique J



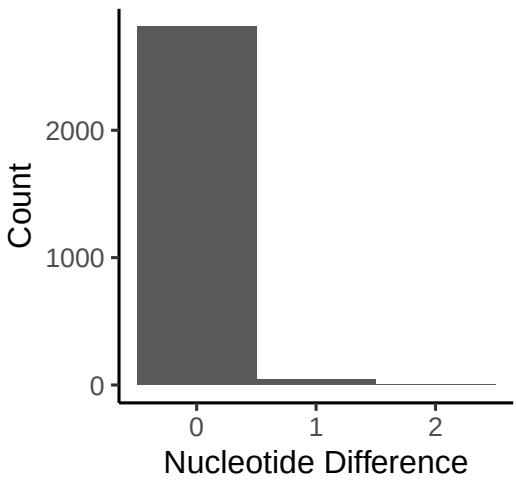
TRBV12−1*ap01

75 sequences assigned
74 (98.7%) exact matches, in which:
72 unique CDR3
12 unique J



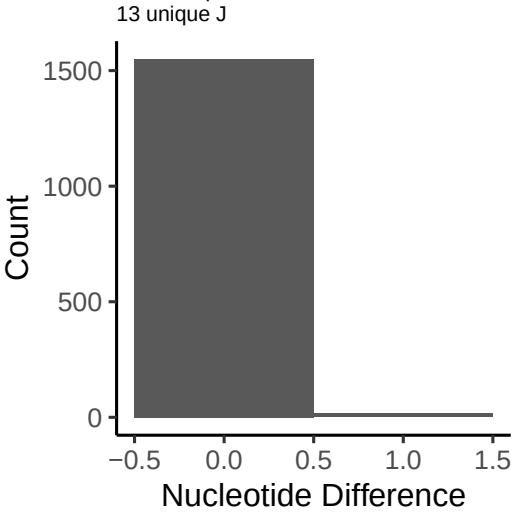
TRBV12−34*ap01

2860 sequences assigned
2813 (98.4%) exact matches, in which:
2735 unique CDR3
13 unique J



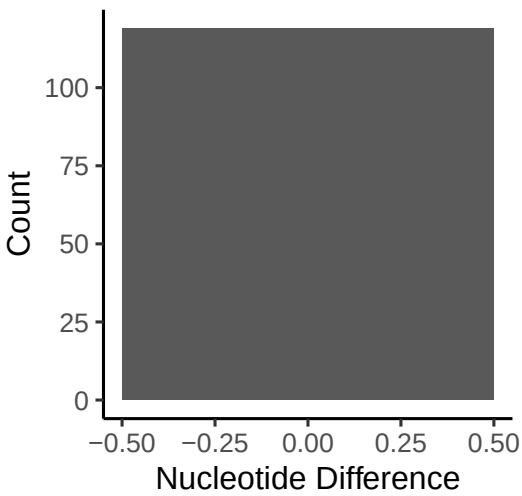
TRBV11−2*ap01

1566 sequences assigned
1550 (99%) exact matches, in which:
1503 unique CDR3
13 unique J



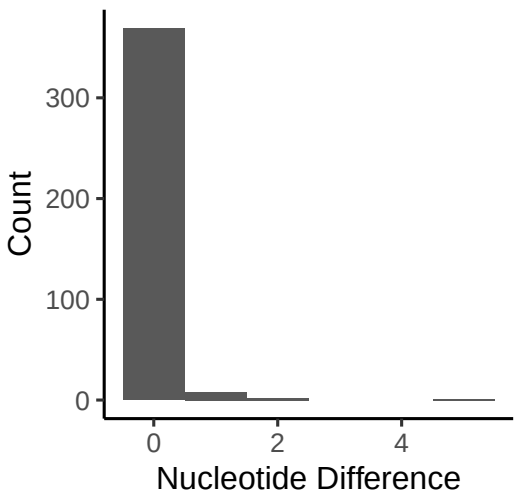
TRBV12−2*ap01

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



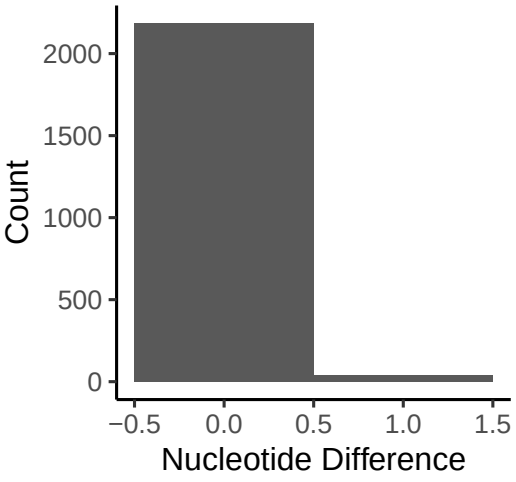
TRBV23−1*ap01

380 sequences assigned
369 (97.1%) exact matches, in which:
361 unique CDR3
13 unique J



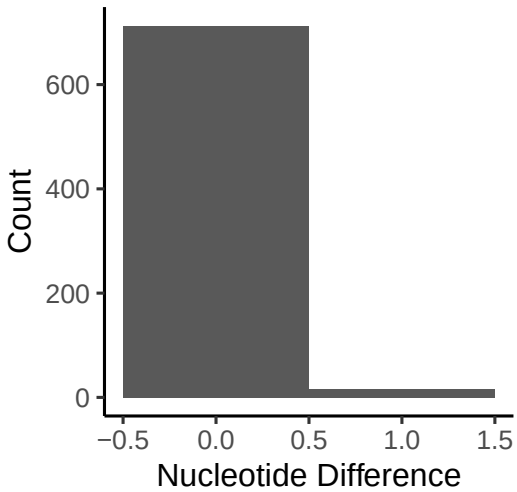
TRBV3−12*ap01

2223 sequences assigned
2184 (98.2%) exact matches, in which:
2134 unique CDR3
13 unique J



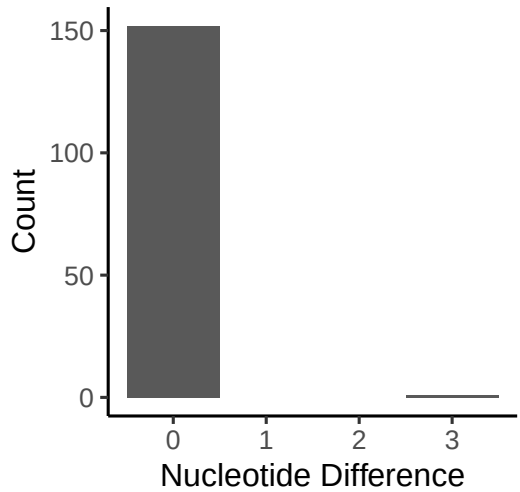
TRBV4−2*ap01

729 sequences assigned
713 (97.8%) exact matches, in which:
689 unique CDR3
13 unique J



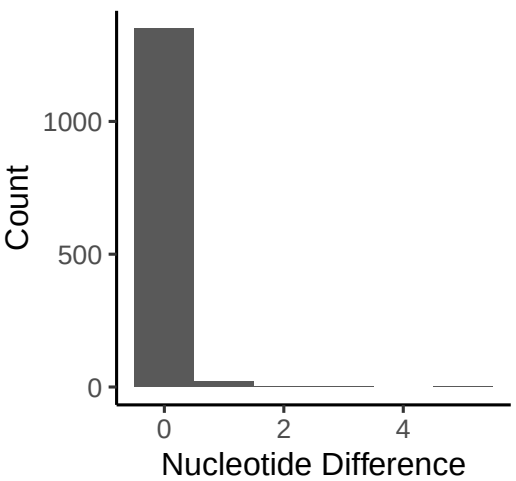
TRBV5−3*ap01

153 sequences assigned
152 (99.3%) exact matches, in which:
146 unique CDR3
13 unique J



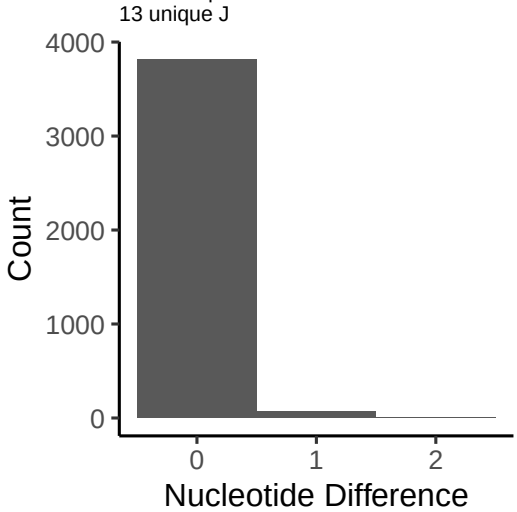
TRBV24−1*ap01

1373 sequences assigned
1349 (98.3%) exact matches, in which:
1310 unique CDR3
13 unique J



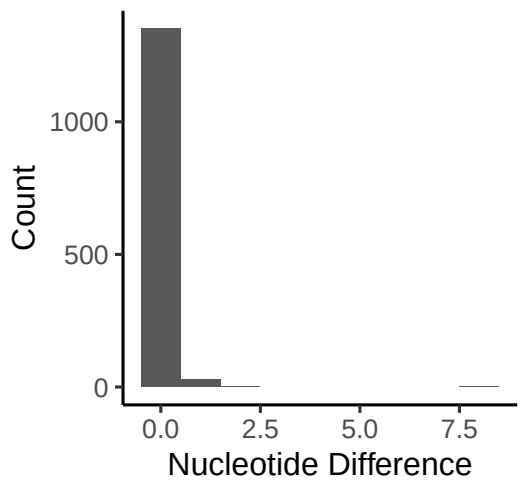
TRBV5−1*ap01

3878 sequences assigned
3812 (98.3%) exact matches, in which:
3668 unique CDR3
13 unique J



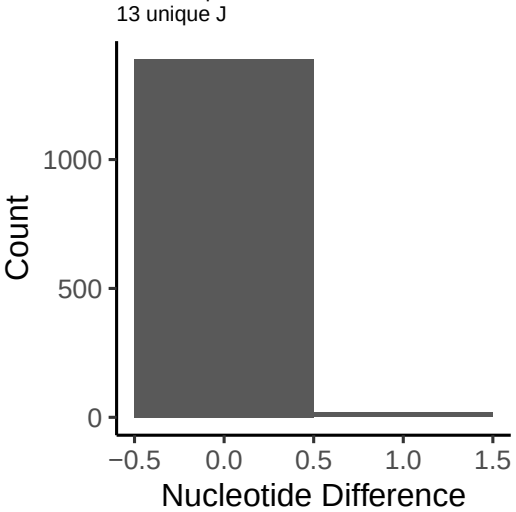
TRBV5−4*ap01

1380 sequences assigned
1351 (97.9%) exact matches, in which:
1308 unique CDR3
13 unique J



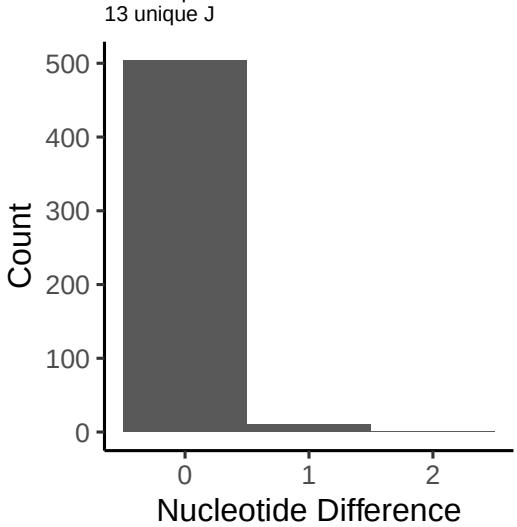
TRBV4−1*ap01

1408 sequences assigned
1390 (98.7%) exact matches, in which:
1348 unique CDR3
13 unique J



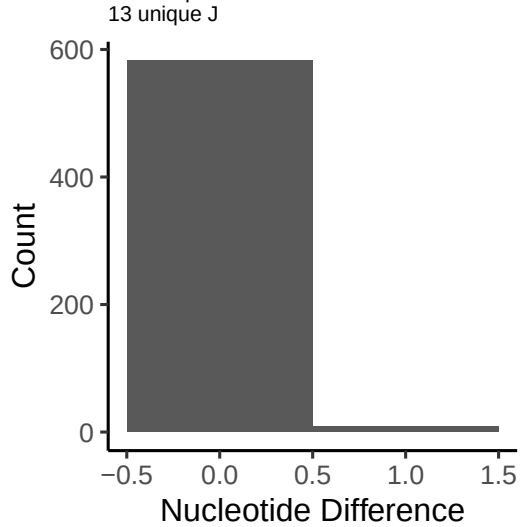
TRBV25−1*ap01

515 sequences assigned
504 (97.9%) exact matches, in which:
493 unique CDR3
13 unique J



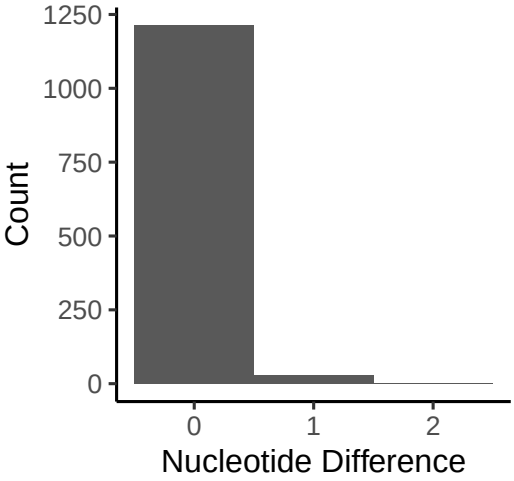
TRBV5−5*ap01

591 sequences assigned
583 (98.6%) exact matches, in which:
566 unique CDR3
13 unique J



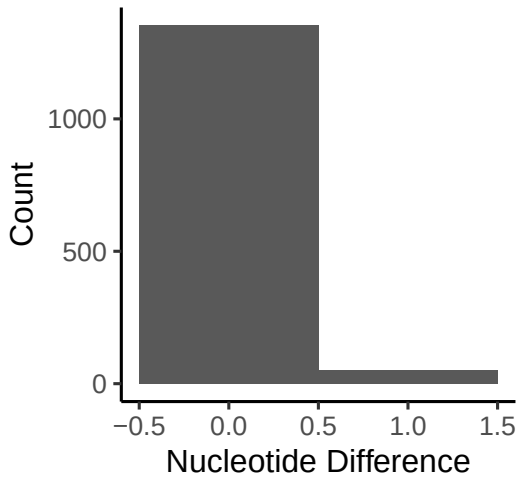
TRBV5−6*ap01

1243 sequences assigned
1213 (97.6%) exact matches, in which:
1173 unique CDR3
13 unique J



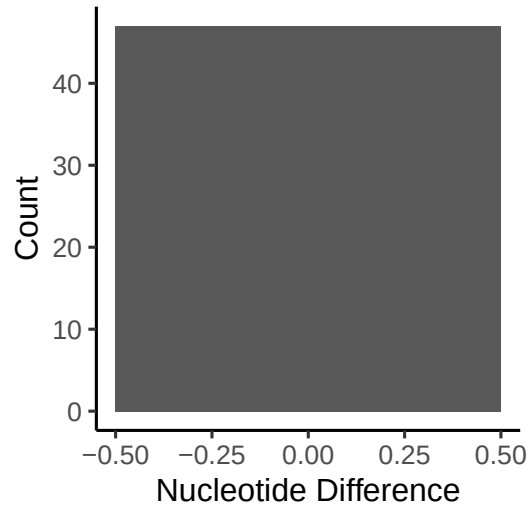
TRBV6−1*ap01

1403 sequences assigned
1353 (96.4%) exact matches, in which:
1319 unique CDR3
13 unique J



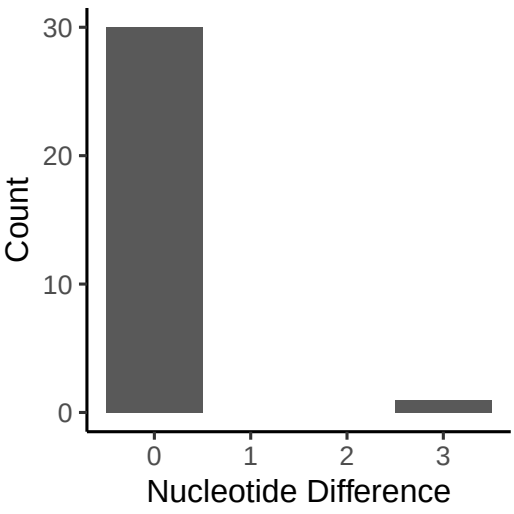
TRBV6−8*ap01

47 sequences assigned
47 (100%) exact matches, in which:
46 unique CDR3
12 unique J



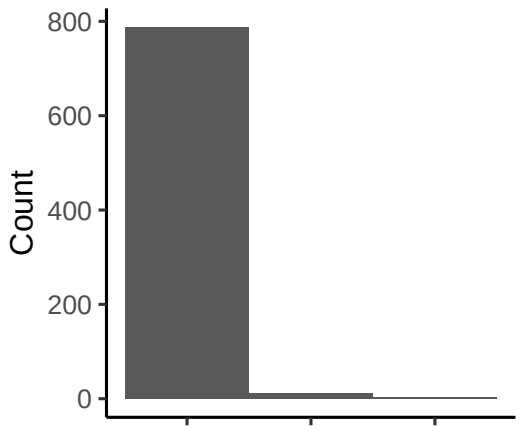
TRBV5−7*ap01

31 sequences assigned
30 (96.8%) exact matches, in which:
27 unique CDR3
8 unique J



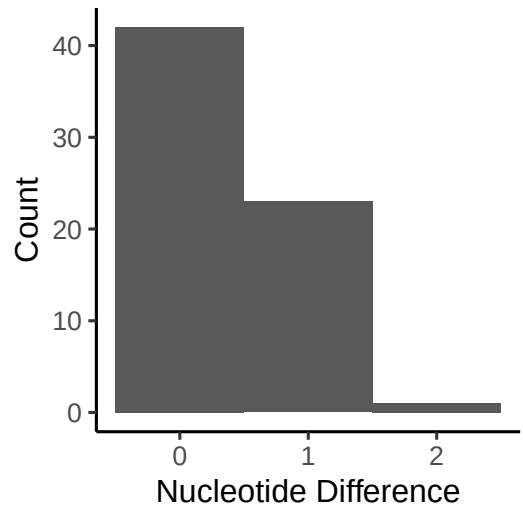
TRBV6−4*ap01

804 sequences assigned
788 (98%) exact matches, in which:
772 unique CDR3
13 unique J



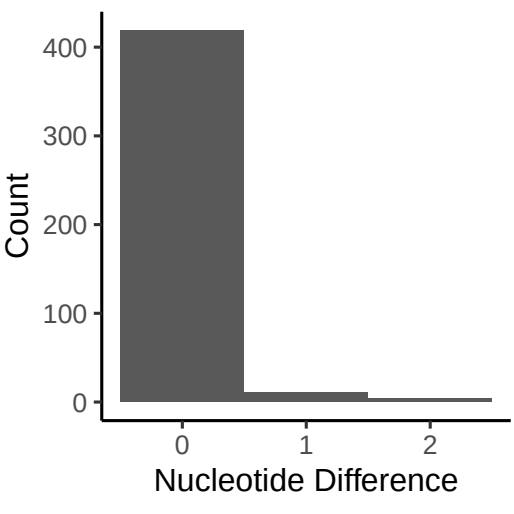
TRBV6−9*ap01

66 sequences assigned
42 (63.6%) exact matches, in which:
42 unique CDR3
13 unique J



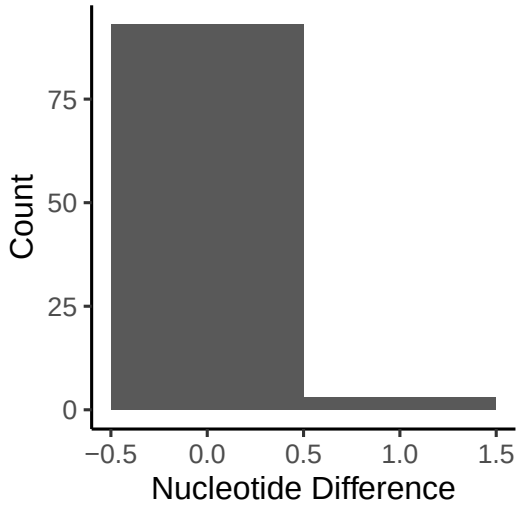
TRBV5−8*ap01

434 sequences assigned
419 (96.5%) exact matches, in which:
406 unique CDR3
13 unique J



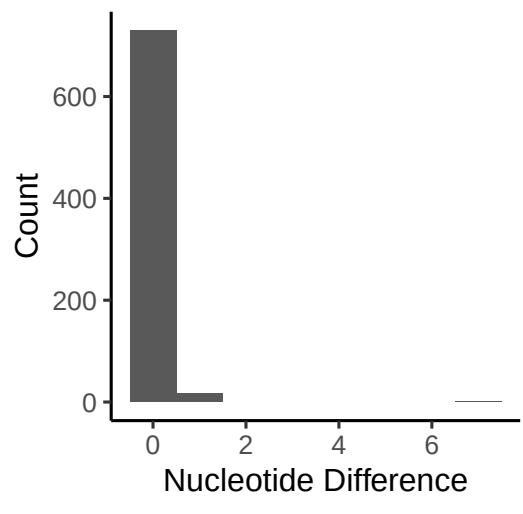
TRBV6−7*ap01

96 sequences assigned
93 (96.9%) exact matches, in which:
92 unique CDR3
12 unique J



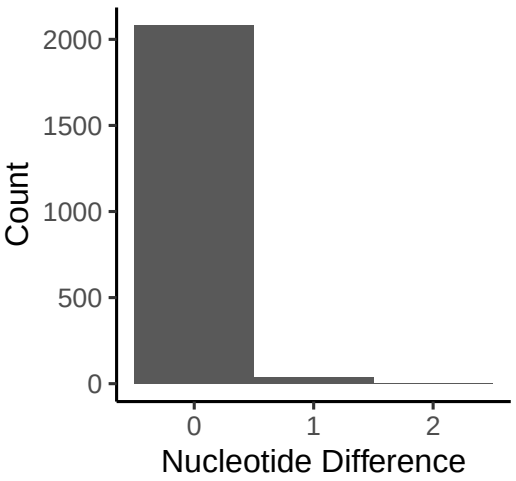
TRBV6−23*ap01

748 sequences assigned
730 (97.6%) exact matches, in which:
702 unique CDR3
13 unique J



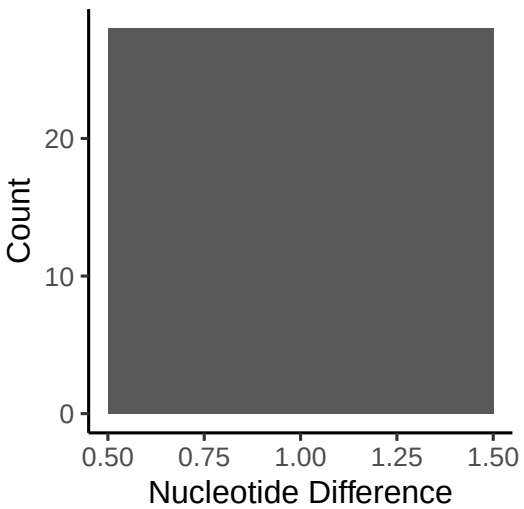
TRBV6−56*ap01

2121 sequences assigned
2081 (98.1%) exact matches, in which:
2002 unique CDR3
13 unique J



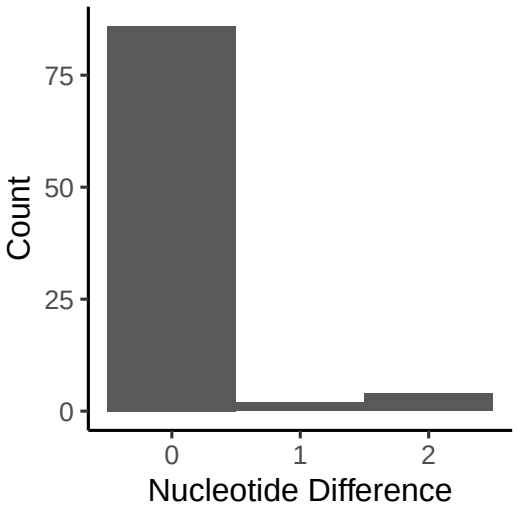
TRBV7−1*ap01_T296C_C

28 sequences assigned
No exact matches.



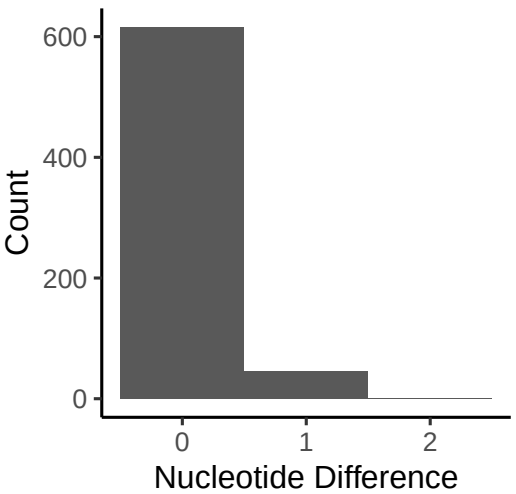
TRBV7−4*ap01

92 sequences assigned
86 (93.5%) exact matches, in which:
84 unique CDR3
12 unique J



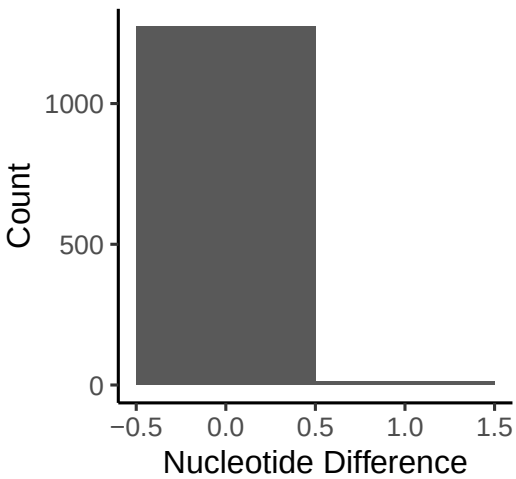
TRBV6−56*ap02

662 sequences assigned
616 (93.1%) exact matches, in which:
590 unique CDR3
13 unique J



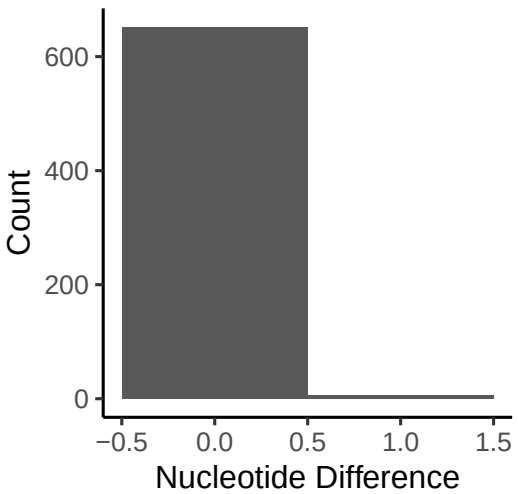
TRBV7−2*ap01

1285 sequences assigned
1273 (99.1%) exact matches, in which:
1232 unique CDR3
13 unique J



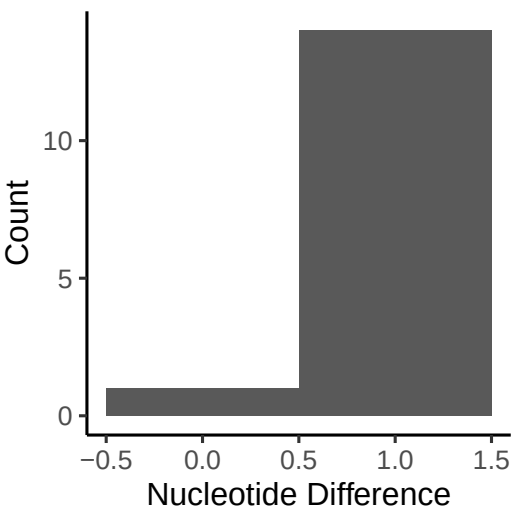
TRBV7−6*ap01

659 sequences assigned
652 (98.9%) exact matches, in which:
635 unique CDR3
13 unique J



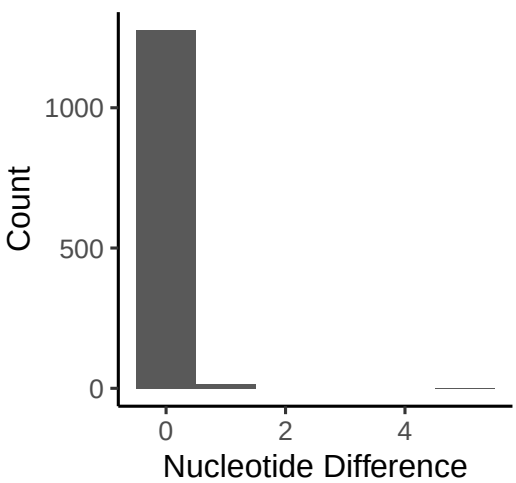
TRBV7−1*ap01_T296C

15 sequences assigned
1 (6.7%) exact matches, in which:
1 unique CDR3
1 unique J



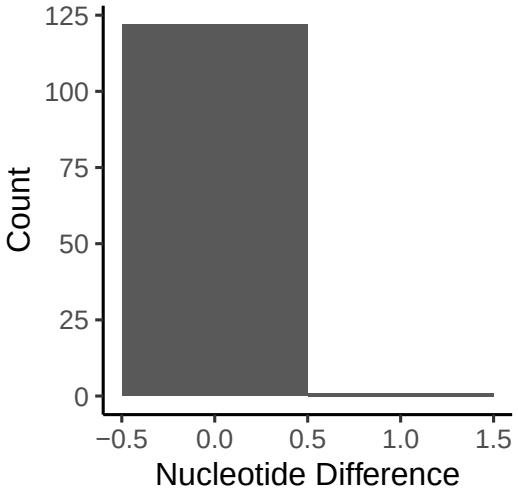
TRBV7−3*ap01

1293 sequences assigned
1277 (98.8%) exact matches, in which:
1237 unique CDR3
13 unique J



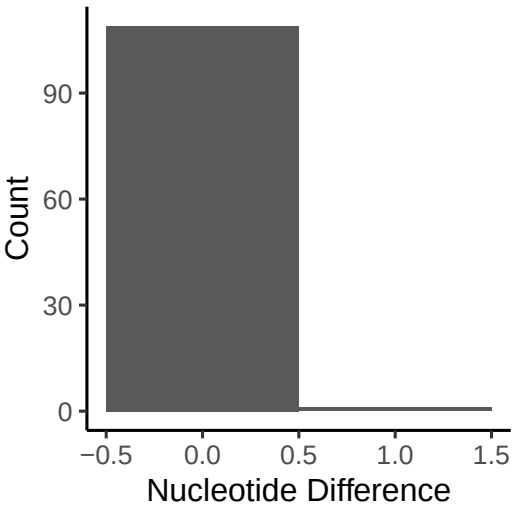
TRBV7−7*ap01

123 sequences assigned
122 (99.2%) exact matches, in which:
119 unique CDR3
12 unique J



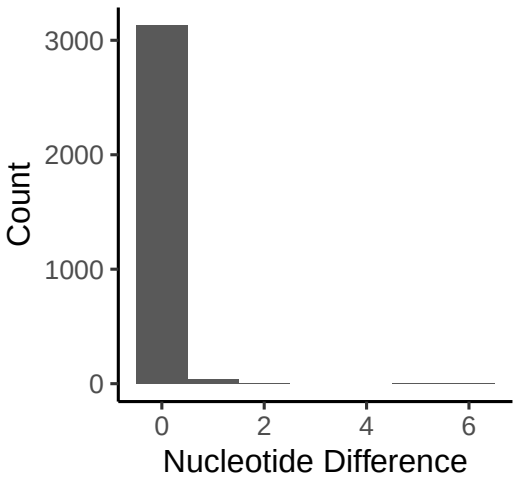
TRBV7−7*ap01_C315T

110 sequences assigned
109 (99.1%) exact matches, in which:
108 unique CDR3
13 unique J



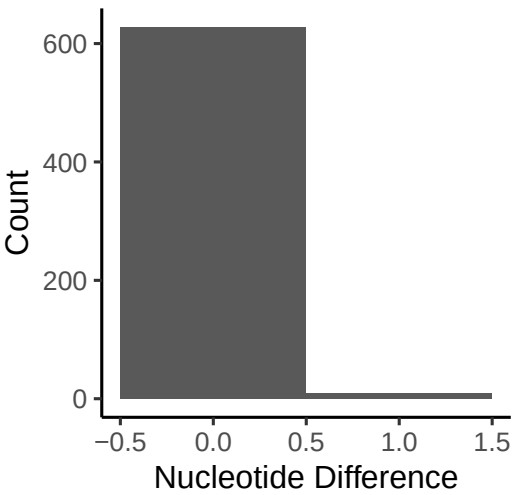
TRBV7−9*ap01

3171 sequences assigned
3130 (98.7%) exact matches, in which:
3046 unique CDR3
13 unique J



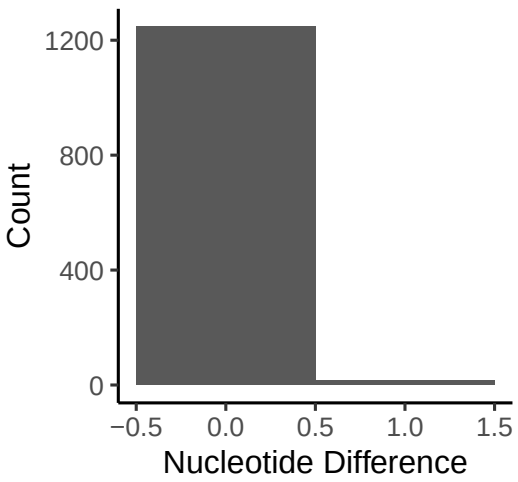
TRBV7−8*ap01

637 sequences assigned
628 (98.6%) exact matches, in which:
604 unique CDR3
13 unique J



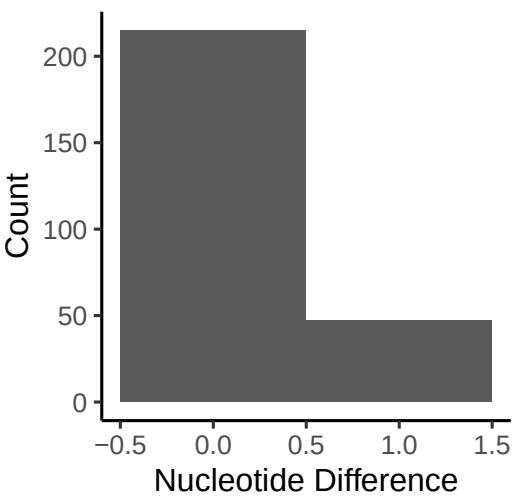
TRBV29−1*ap01

1264 sequences assigned
1247 (98.7%) exact matches, in which:
1201 unique CDR3
13 unique J



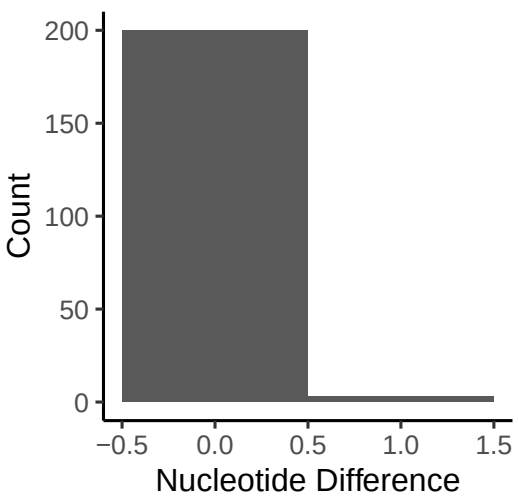
TRBV7−8*ap03

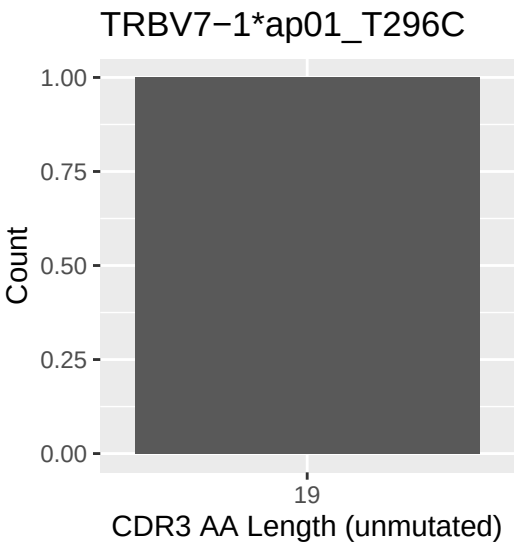
262 sequences assigned
215 (82.1%) exact matches, in which:
206 unique CDR3
12 unique J

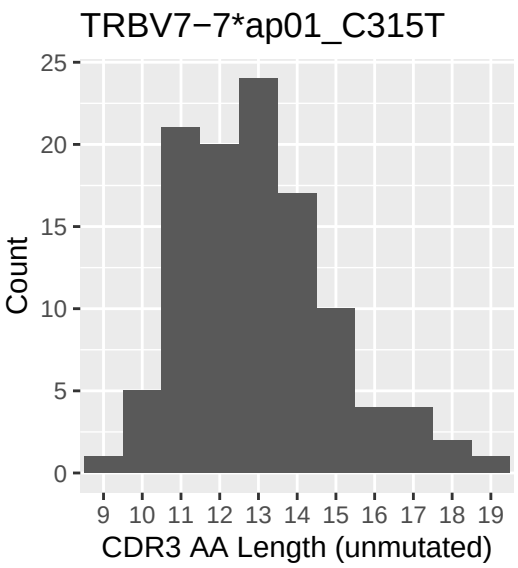


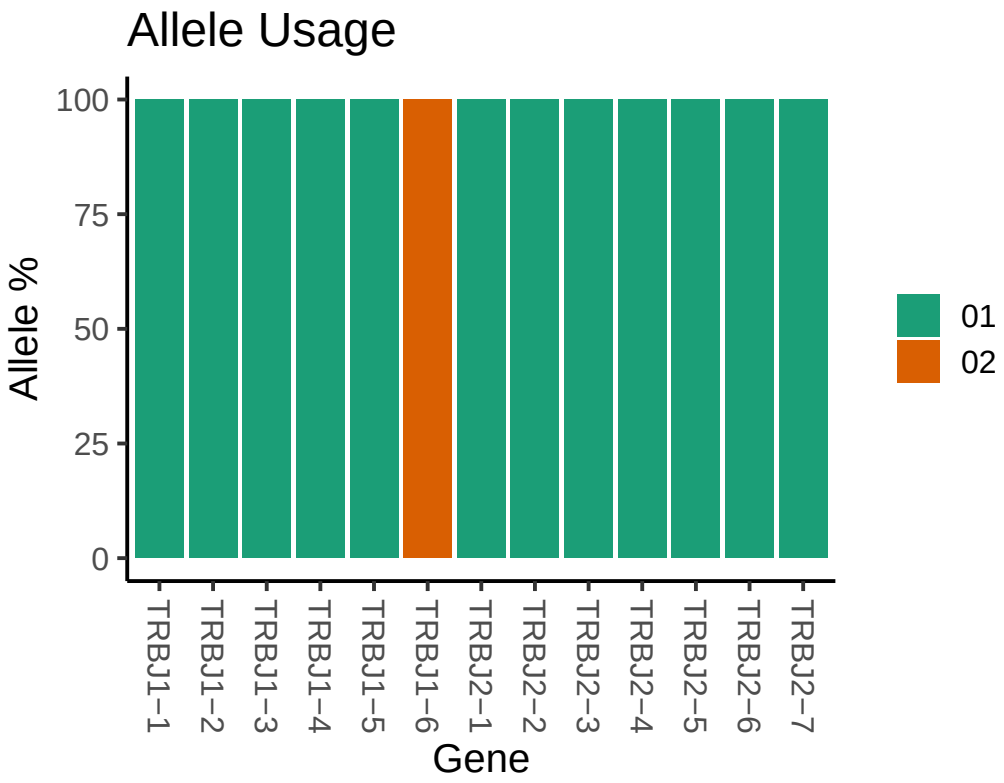
TRBV29−1*ap02

203 sequences assigned
200 (98.5%) exact matches, in which:
195 unique CDR3
13 unique J




TRBV7−1*ap01_T296C
1.00
0.75
0.50
0.25
0.00
Count
19
CDR3 AA Length (unmutated)


TRBV7−7*ap01_C315T
25
20
15
10
5
0
Count
9 10 11 12 13 14 15 16 17 18 19
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
Gene
01
02

Warning − no inferred sequences found.

Warning − no inferred sequences found.

Warning − no inferred sequences found.