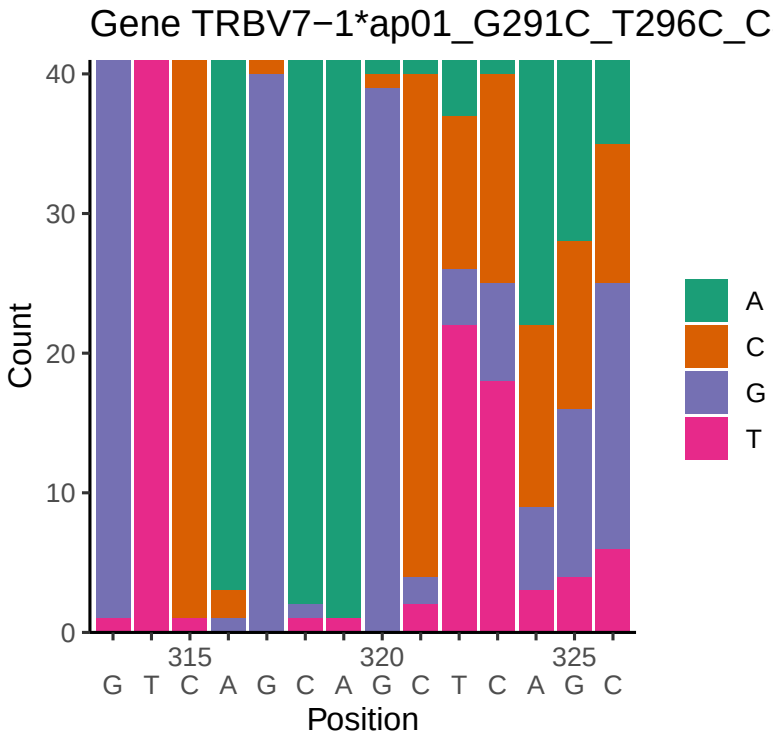
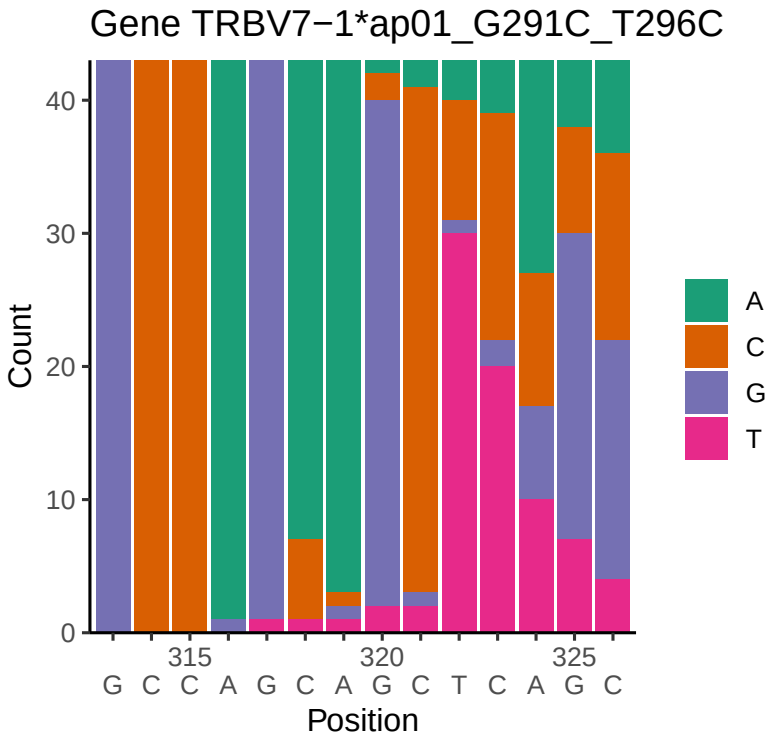
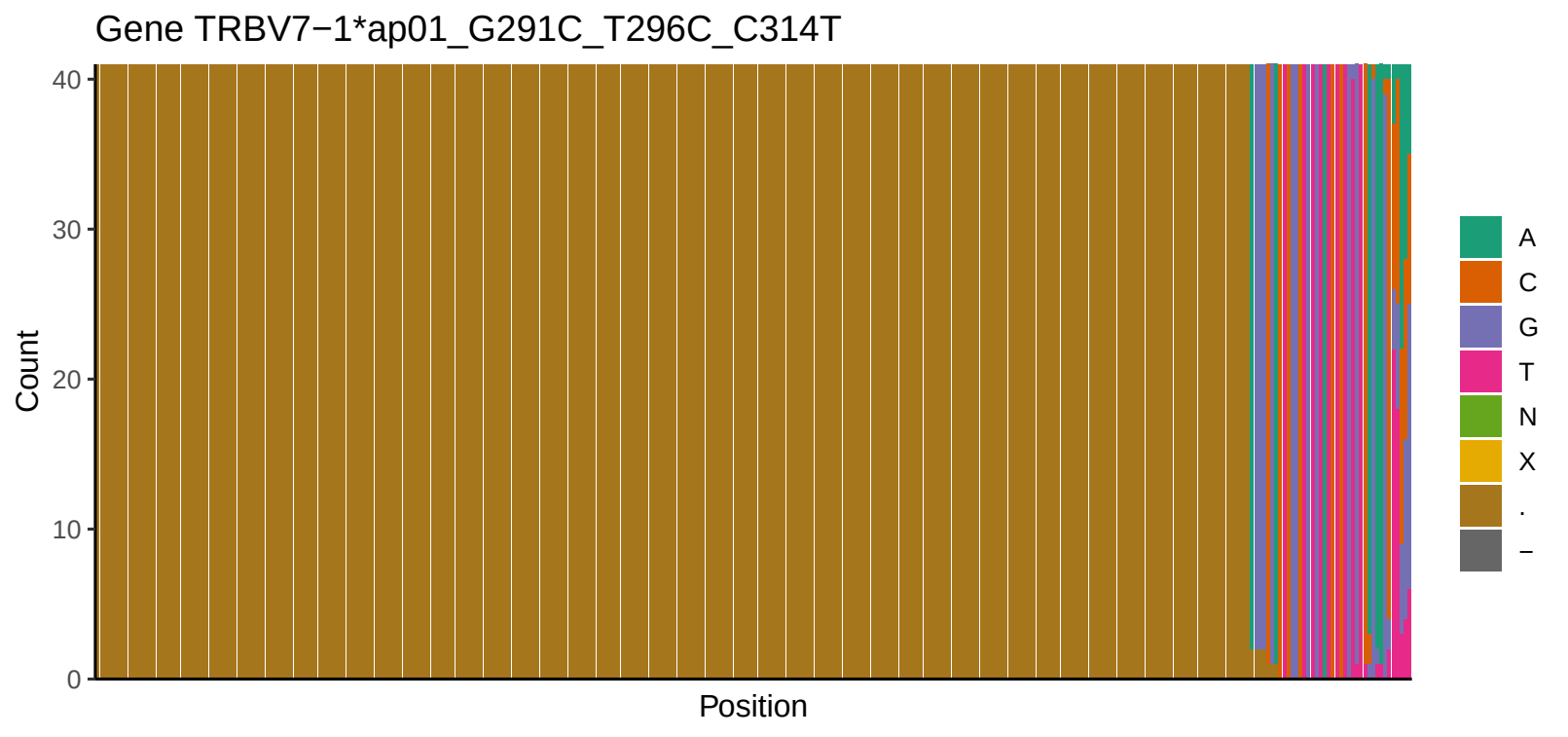
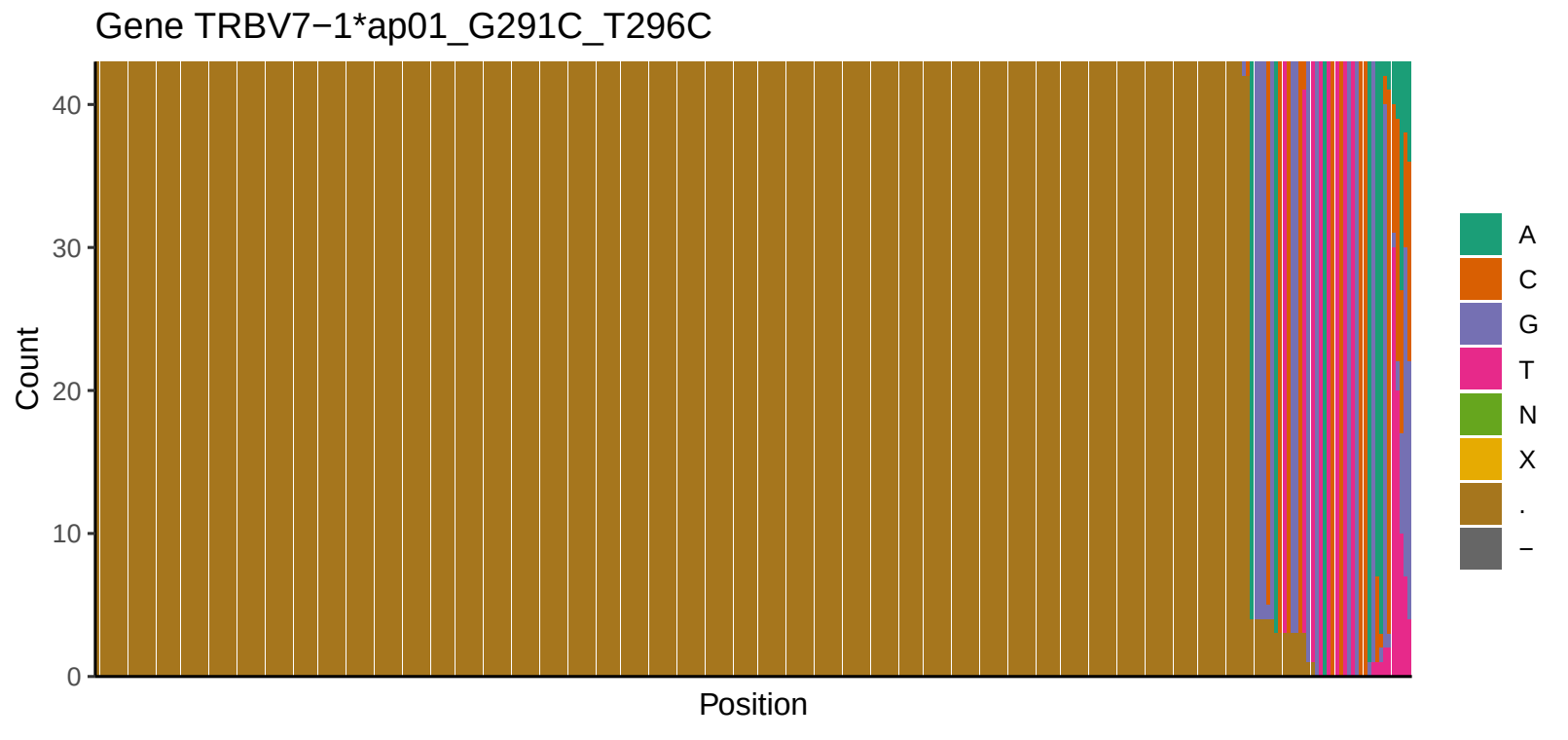
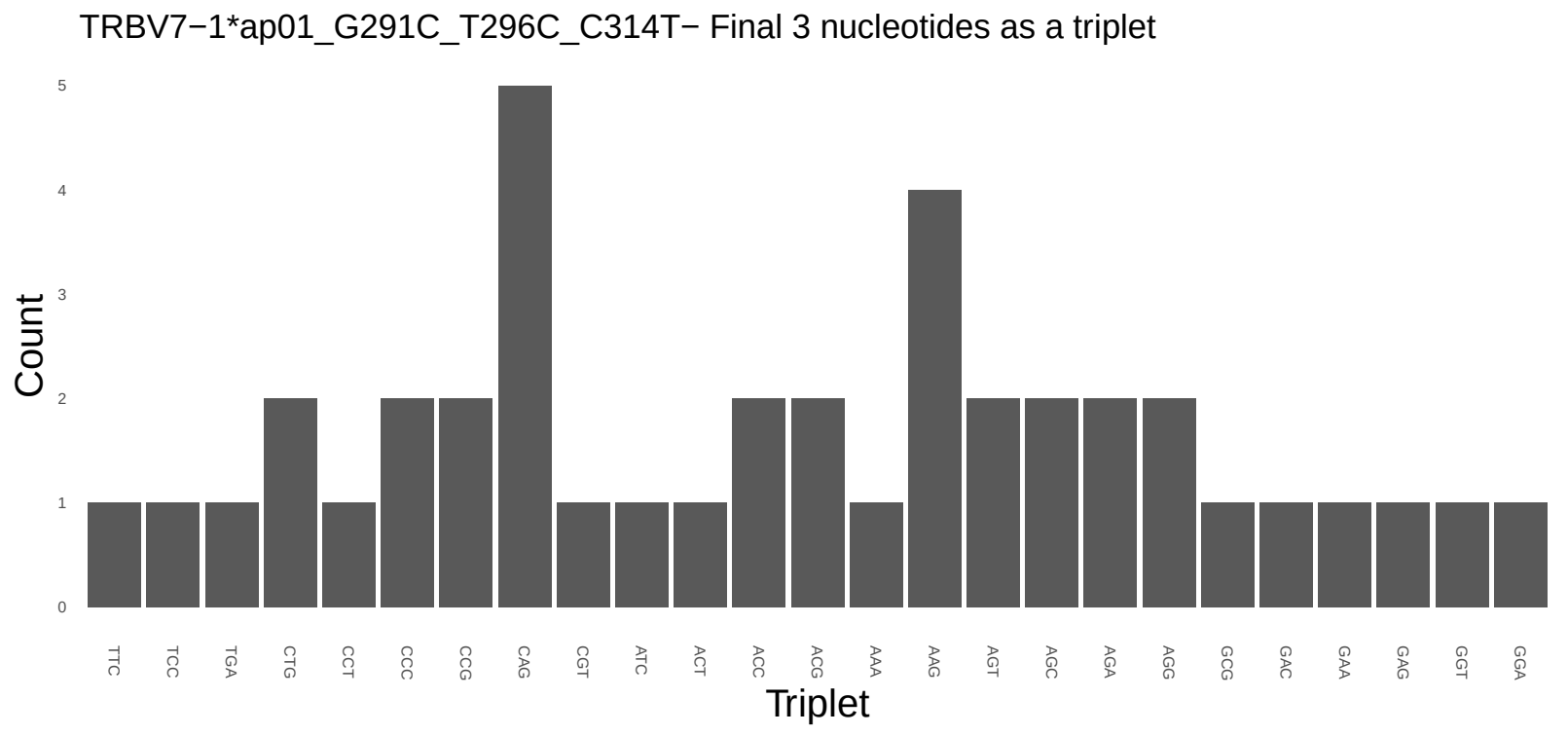
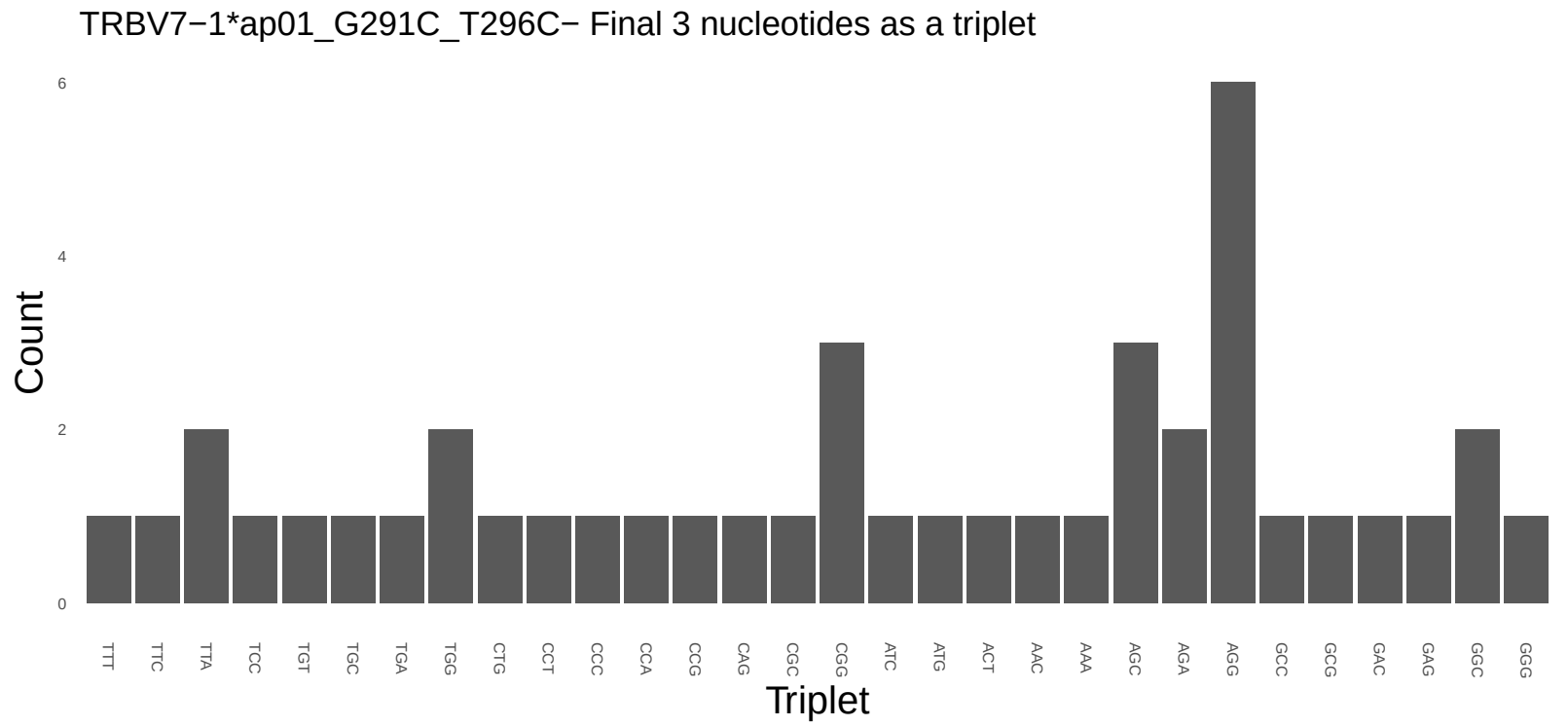

Gene TRBV7−1*ap01_G291C_T296C_C314T
Count
40
30
20
10
0
315
320
325
G T C A G C A G C T C A G C
Position
A
C
G
T


Gene TRBV7−1*ap01_G291C_T296C
Count
40
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_G291C_T296C_C314T
Count
Position
0
10
20
30
40
A
C
G
T
N
X
.
–

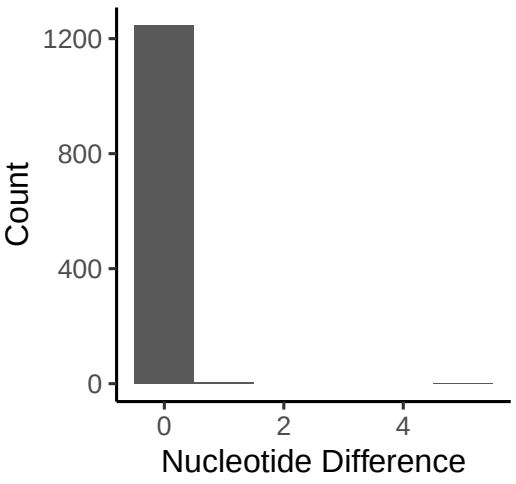

Gene TRBV7−1*ap01_G291C_T296C
Count
Position
0
10
20
30
40
A
C
G
T
N
X
.
–


TRBV7−1*ap01_G291C_T296C_C314T− Final 3 nucleotides as a triplet
Count
0
1
2
3
4
5
TTC
TCC
TGA
CTG
CCT
CCC
CCG
CAG
CGT
ATC
ACT
ACC
ACG
AAA
AAG
AGT
AGC
AGA
AGG
GCG
GAC
GAA
GAG
GGT
GGA
Triplet


TRBV7−1*ap01_G291C_T296C− Final 3 nucleotides as a triplet
Count
0
2
4
6
TTT
TTC
TTA
TCC
TGT
TGC
TGA
TGG
CTG
CCT
CCC
CCA
CCG
CAG
CGC
CGG
ATC
ATG
ACT
AAC
AAA
AGC
AGA
AGG
GCC
GCG
GAC
GAG
GGC
GGG
Triplet

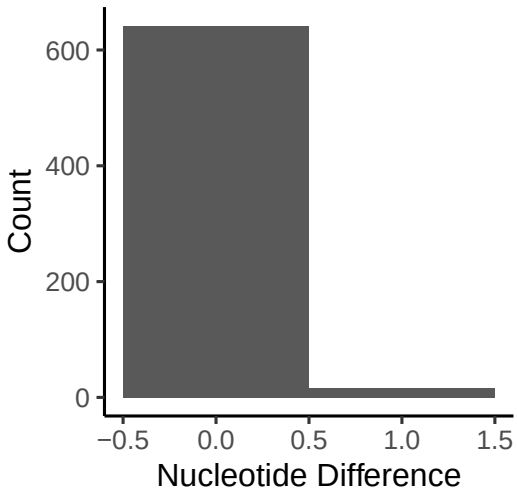
TRBV10−1*ap01

1255 sequences assigned
1246 (99.3%) exact matches, in which:
1207 unique CDR3
14 unique J



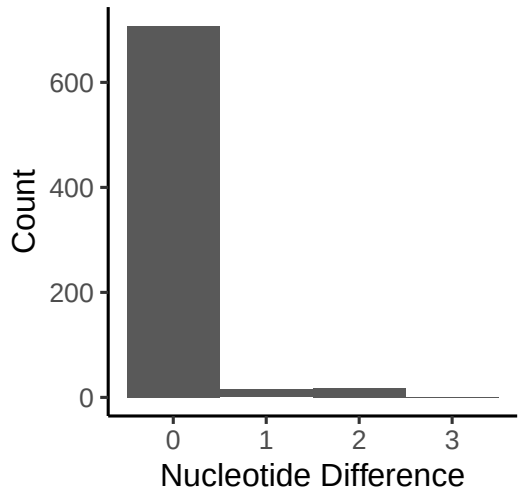
TRBV10−2*ap01

658 sequences assigned
642 (97.6%) exact matches, in which:
633 unique CDR3
14 unique J



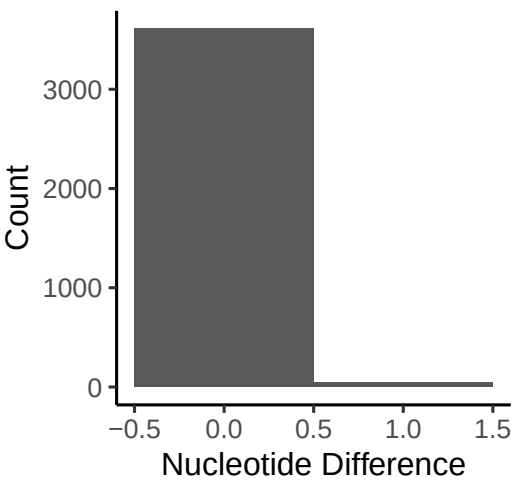
TRBV13*ap01

742 sequences assigned
708 (95.4%) exact matches, in which:
694 unique CDR3
14 unique J



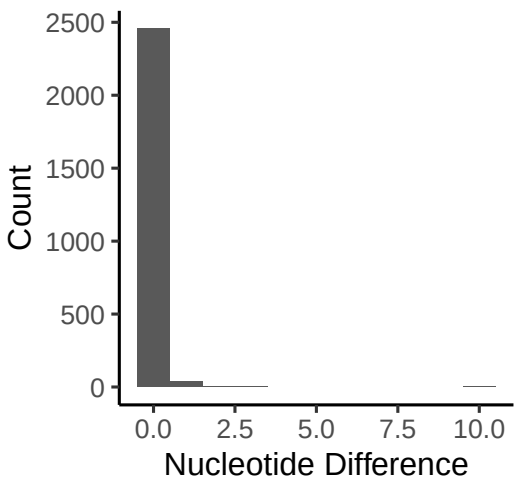
TRBV20−1*ap01

3652 sequences assigned
3610 (98.8%) exact matches, in which:
3568 unique CDR3
14 unique J



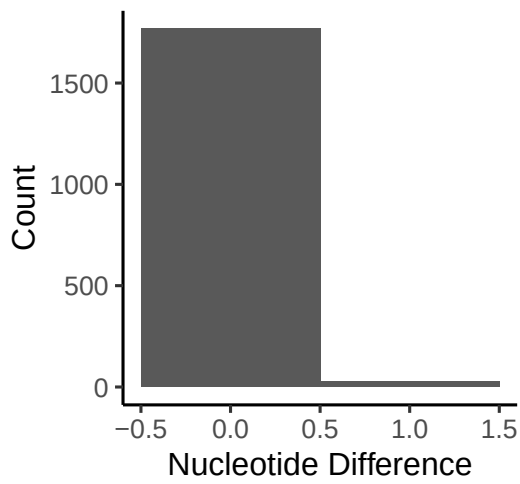
TRBV10−3*ap01

2496 sequences assigned
2456 (98.4%) exact matches, in which:
2417 unique CDR3
14 unique J



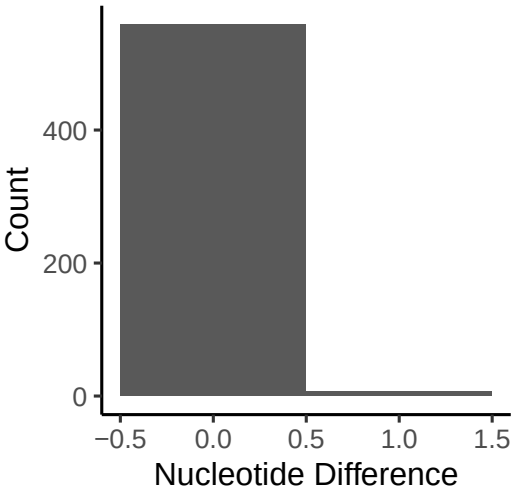
TRBV14*ap01

1794 sequences assigned
1768 (98.6%) exact matches, in which:
1744 unique CDR3
14 unique J



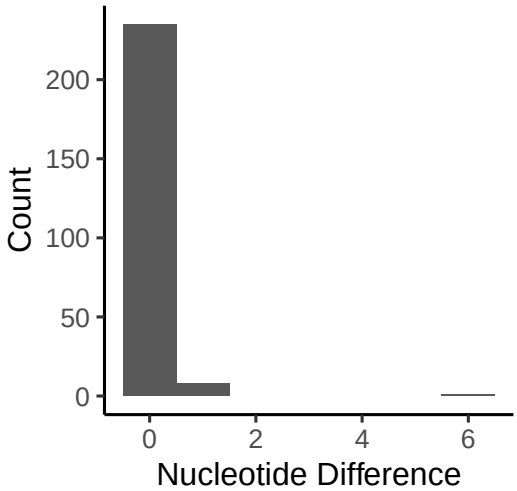
TRBV20−1*ap02

566 sequences assigned
559 (98.8%) exact matches, in which:
550 unique CDR3
14 unique J



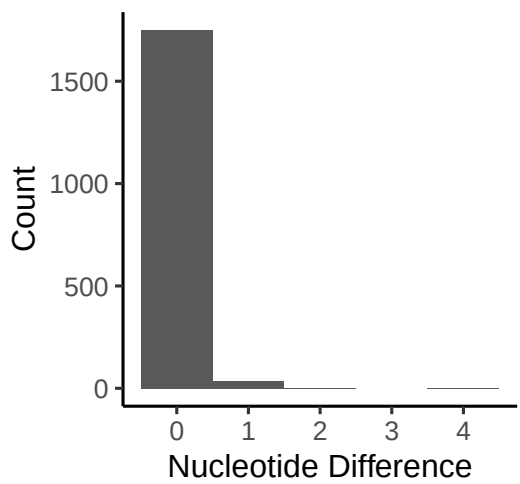
TRBV1*ap01

244 sequences assigned
235 (96.3%) exact matches, in which:
228 unique CDR3
14 unique J



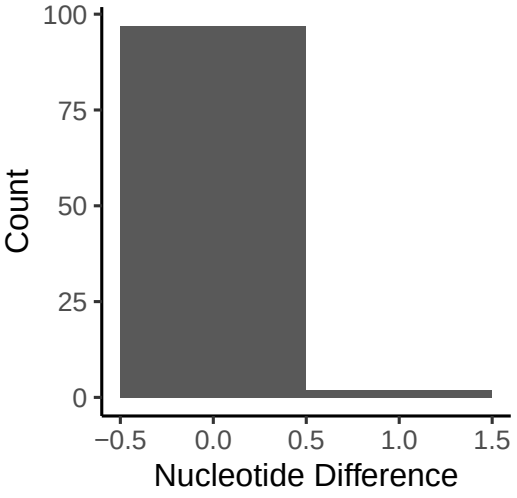
TRBV15*ap02

1789 sequences assigned
1750 (97.8%) exact matches, in which:
1719 unique CDR3
14 unique J



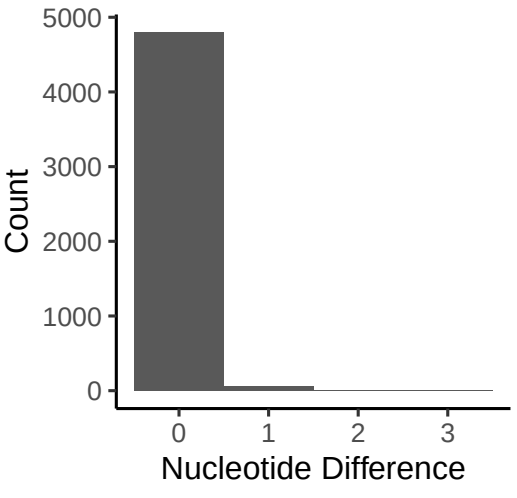
TRBV16*ap01

99 sequences assigned
97 (98%) exact matches, in which:
96 unique CDR3
14 unique J



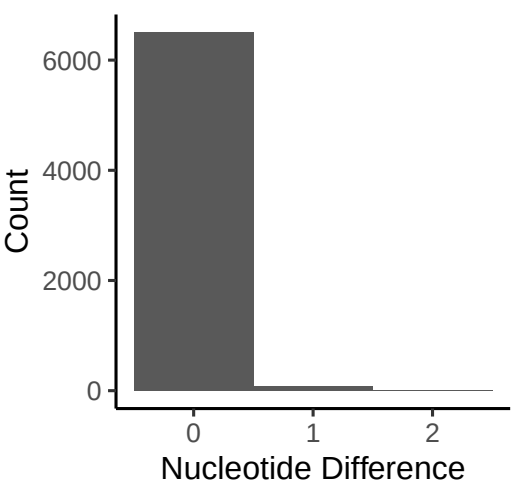
TRBV2*ap01

4865 sequences assigned
4797 (98.6%) exact matches, in which:
4711 unique CDR3
14 unique J



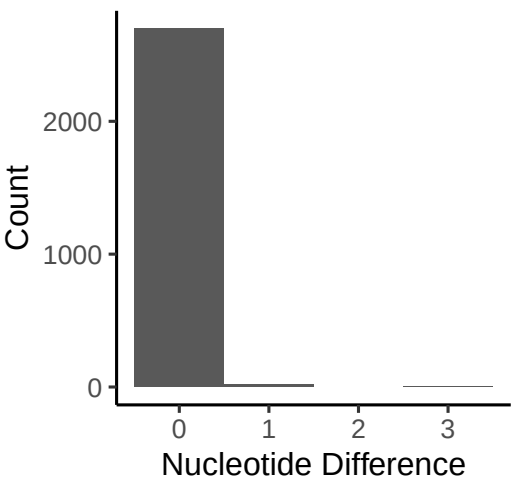
TRBV28*ap01

6586 sequences assigned
6503 (98.7%) exact matches, in which:
6432 unique CDR3
14 unique J



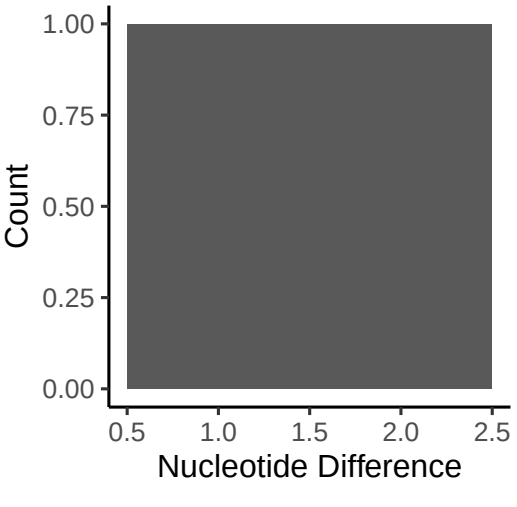
TRBV18*ap01

2714 sequences assigned
2697 (99.4%) exact matches, in which:
2673 unique CDR3
14 unique J



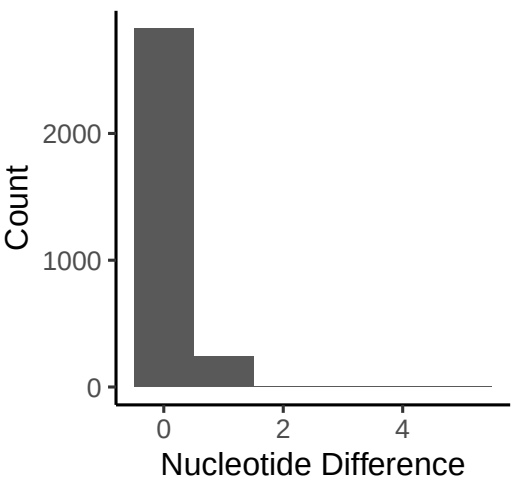
TRBV26*ap01

2 sequences assigned
No exact matches.



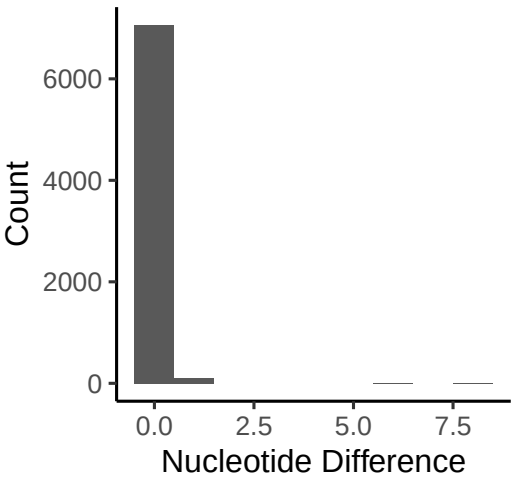
TRBV30*ap01

3078 sequences assigned
2826 (91.8%) exact matches, in which:
2777 unique CDR3
14 unique J



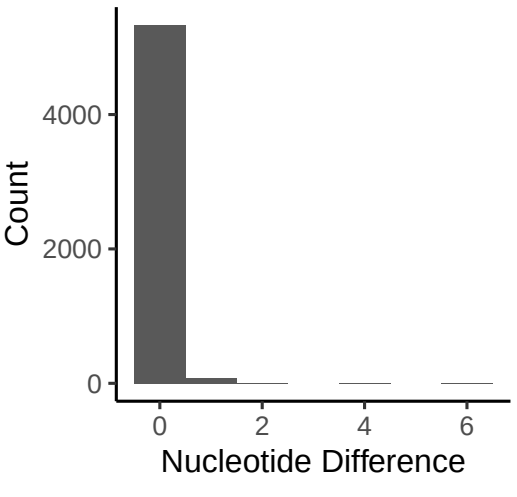
TRBV19*ap01

7171 sequences assigned
7060 (98.5%) exact matches, in which:
6991 unique CDR3
14 unique J



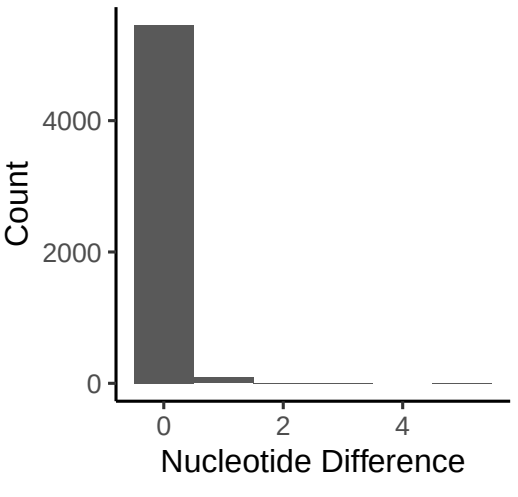
TRBV27*ap01

5413 sequences assigned
5332 (98.5%) exact matches, in which:
5247 unique CDR3
14 unique J



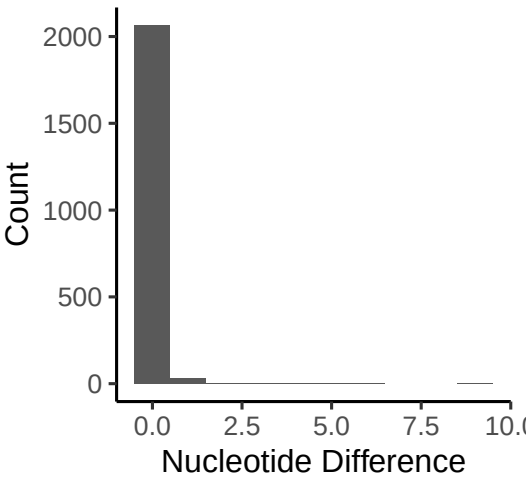
TRBV9*ap01

5551 sequences assigned
5456 (98.3%) exact matches, in which:
5400 unique CDR3
14 unique J



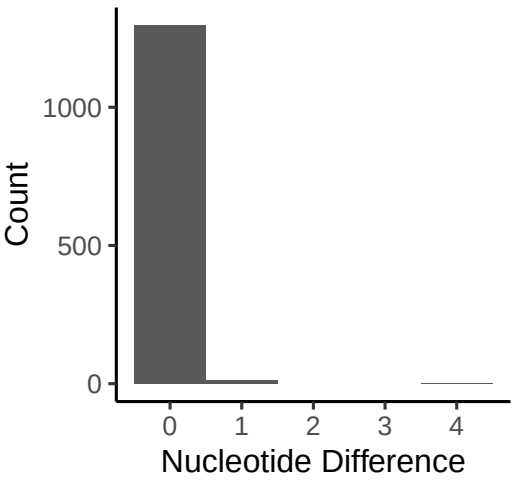
TRBV21−1*ap01

2108 sequences assigned
2064 (97.9%) exact matches, in which:
2038 unique CDR3
14 unique J



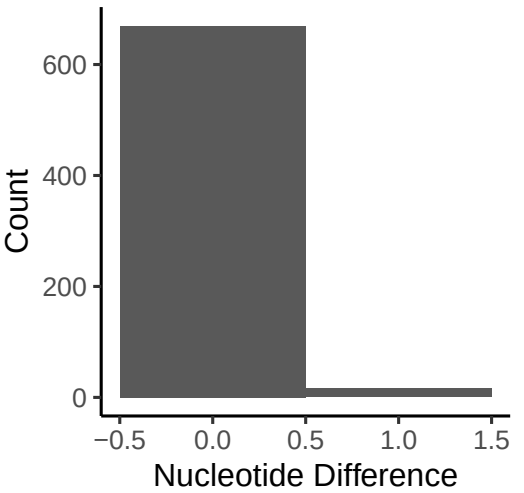
TRBV11−3*ap01

1311 sequences assigned
1296 (98.9%) exact matches, in which:
1284 unique CDR3
14 unique J



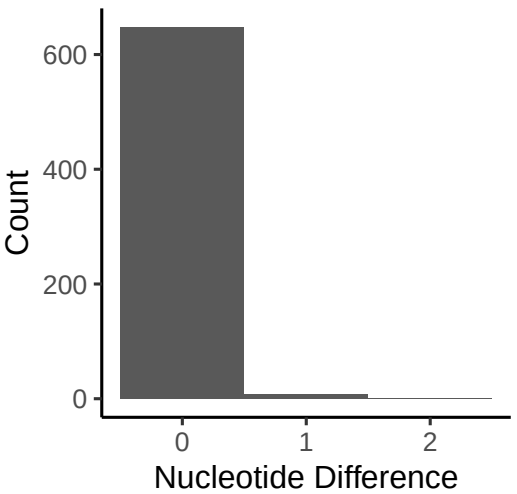
TRBV12−5*ap01

686 sequences assigned
670 (97.7%) exact matches, in which:
659 unique CDR3
14 unique J



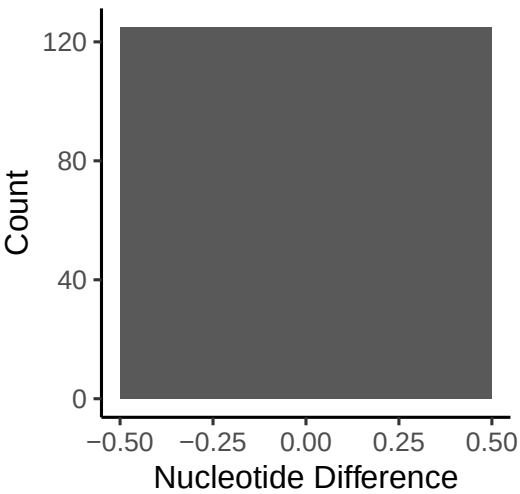
TRBV11−1*ap01

656 sequences assigned
648 (98.8%) exact matches, in which:
640 unique CDR3
14 unique J



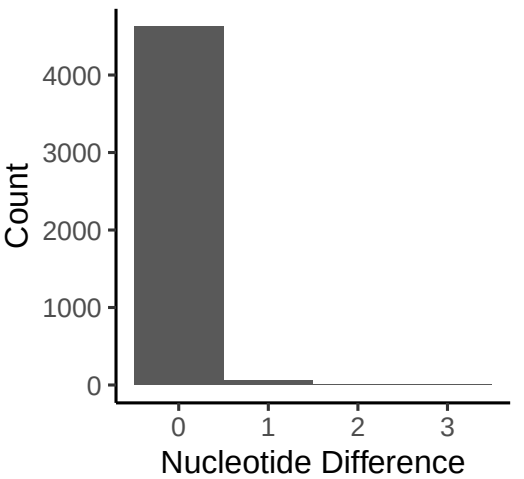
TRBV12−1*ap01

125 sequences assigned
125 (100%) exact matches, in which:
122 unique CDR3
14 unique J



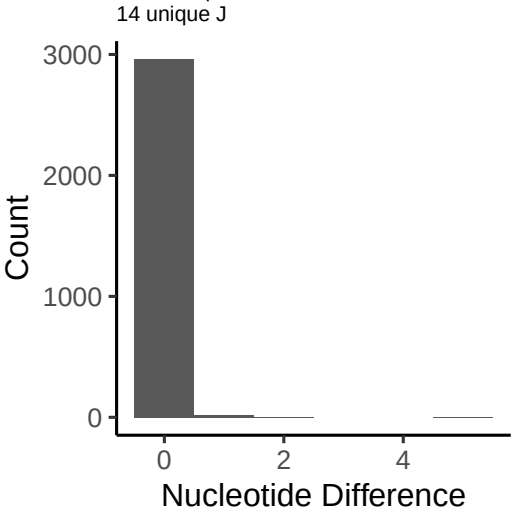
TRBV12−34*ap01

4682 sequences assigned
4623 (98.7%) exact matches, in which:
4545 unique CDR3
14 unique J



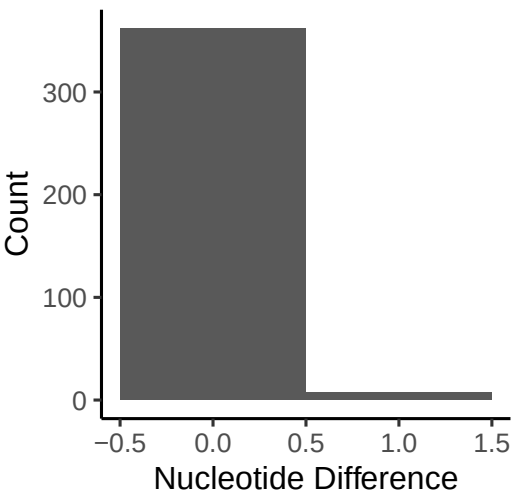
TRBV11−2*ap01

2982 sequences assigned
2962 (99.3%) exact matches, in which:
2923 unique CDR3
14 unique J



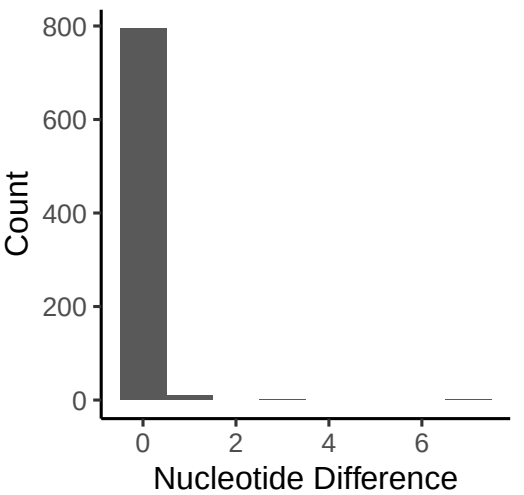
TRBV12−2*ap01

369 sequences assigned
362 (98.1%) exact matches, in which:
352 unique CDR3
14 unique J



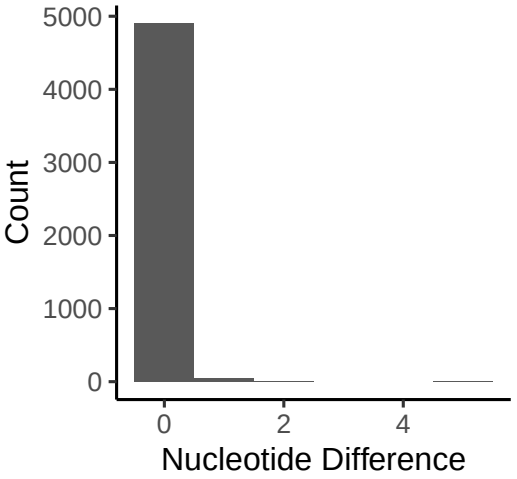
TRBV23−1*ap01

806 sequences assigned
795 (98.6%) exact matches, in which:
785 unique CDR3
14 unique J



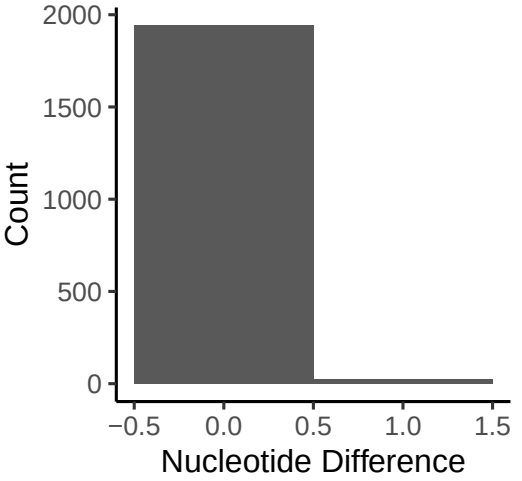
TRBV3−12*ap01

4958 sequences assigned
4902 (98.9%) exact matches, in which:
4862 unique CDR3
15 unique J



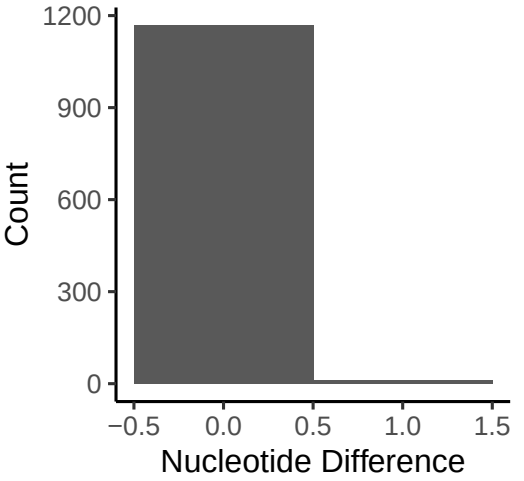
TRBV4−2*ap01

1969 sequences assigned
1942 (98.6%) exact matches, in which:
1925 unique CDR3
14 unique J



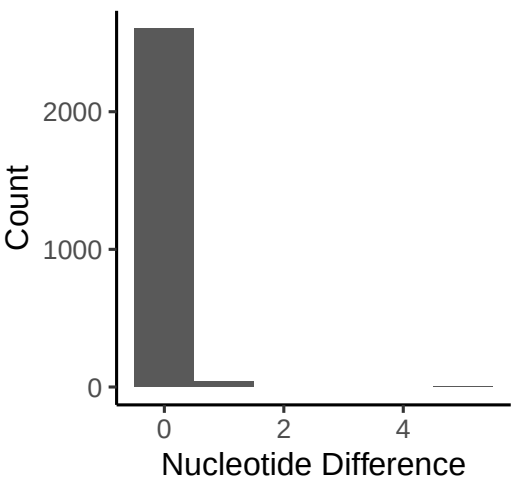
TRBV25−1*ap01

1181 sequences assigned
1168 (98.9%) exact matches, in which:
1155 unique CDR3
14 unique J



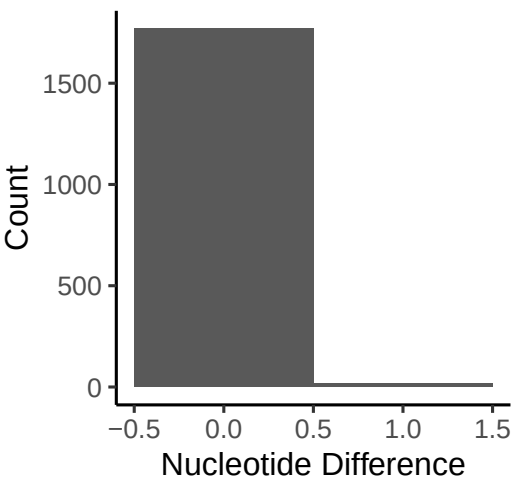
TRBV4−1*ap01

2642 sequences assigned
2603 (98.5%) exact matches, in which:
2561 unique CDR3
14 unique J



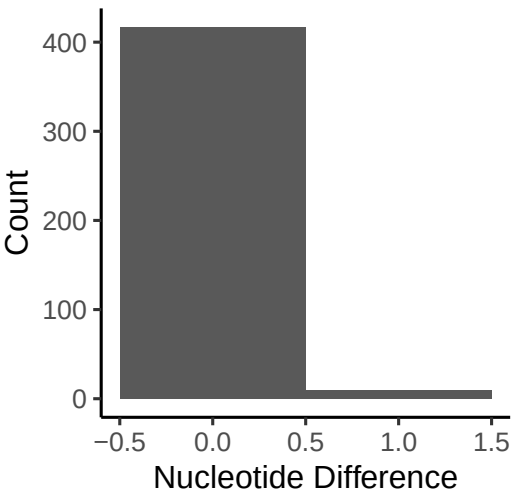
TRBV4−3*ap01

1788 sequences assigned
1769 (98.9%) exact matches, in which:
1755 unique CDR3
14 unique J



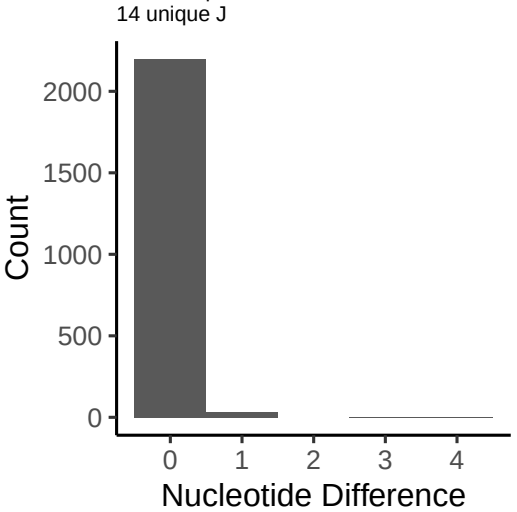
TRBV5−3*ap01

426 sequences assigned
417 (97.9%) exact matches, in which:
414 unique CDR3
14 unique J



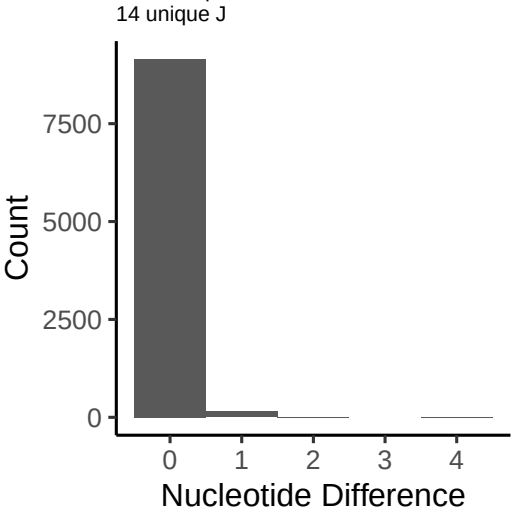
TRBV24−1*ap01

2231 sequences assigned
2198 (98.5%) exact matches, in which:
2160 unique CDR3
14 unique J



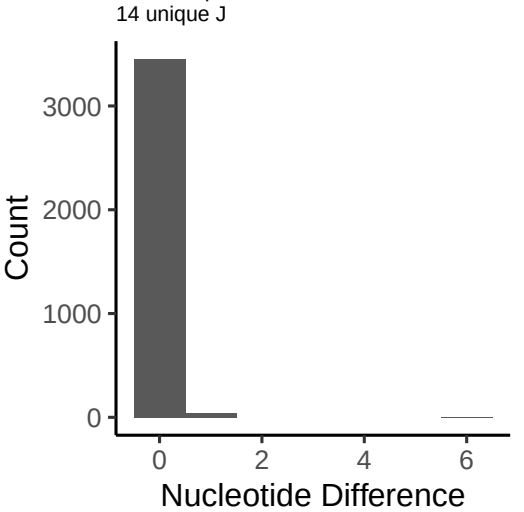
TRBV5−1*ap01

9306 sequences assigned
9150 (98.3%) exact matches, in which:
8986 unique CDR3
14 unique J



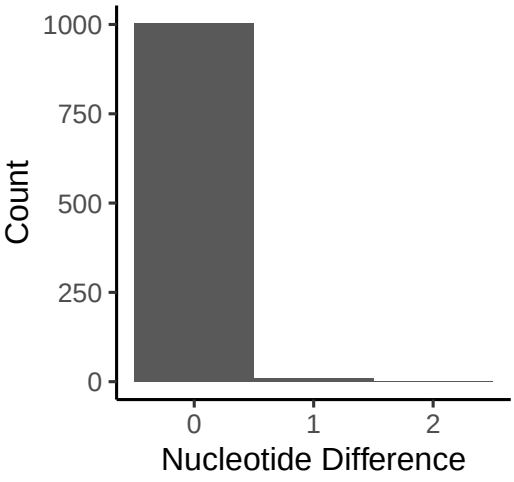
TRBV5−4*ap01

3493 sequences assigned
3452 (98.8%) exact matches, in which:
3394 unique CDR3
14 unique J



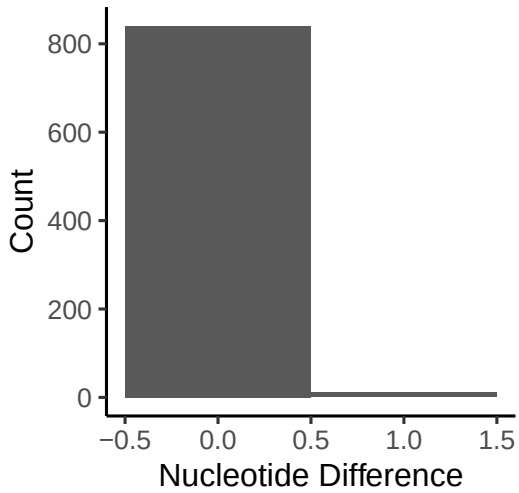
TRBV5−5*ap01

1014 sequences assigned
1003 (98.9%) exact matches, in which:
995 unique CDR3
14 unique J



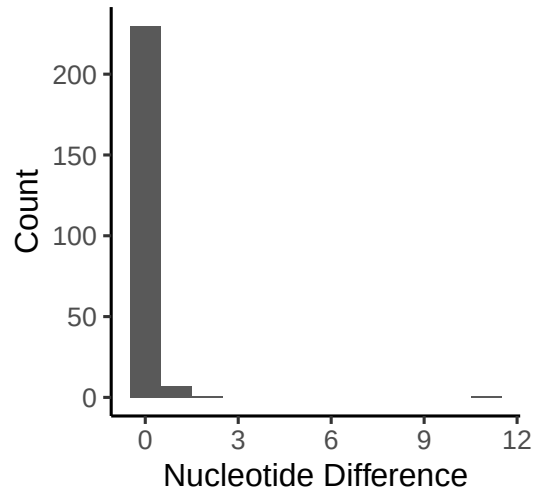
TRBV5−8*ap01

852 sequences assigned
841 (98.7%) exact matches, in which:
825 unique CDR3
14 unique J



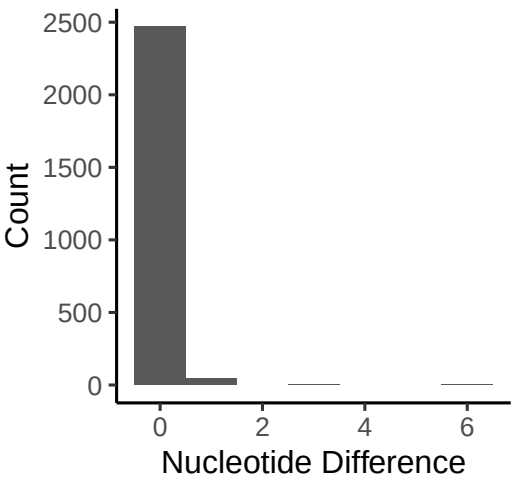
TRBV6−7*ap01

239 sequences assigned
230 (96.2%) exact matches, in which:
222 unique CDR3
14 unique J



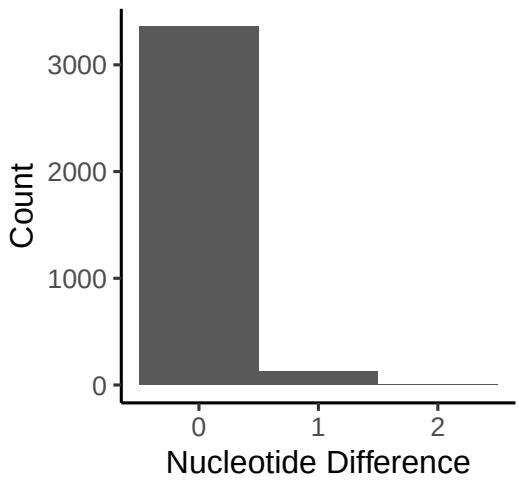
TRBV5−6*ap01

2514 sequences assigned
2469 (98.2%) exact matches, in which:
2424 unique CDR3
14 unique J



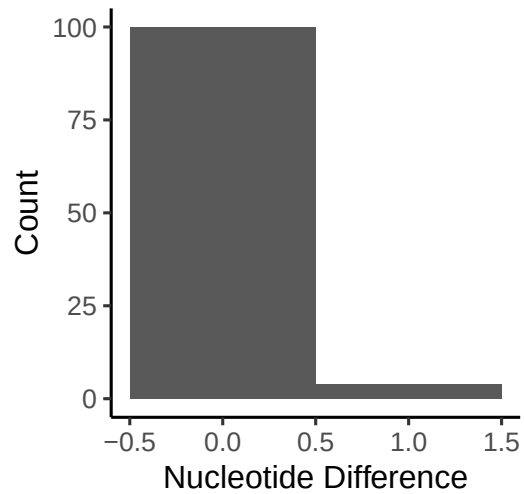
TRBV6−1*ap01

3481 sequences assigned
3357 (96.4%) exact matches, in which:
3302 unique CDR3
14 unique J



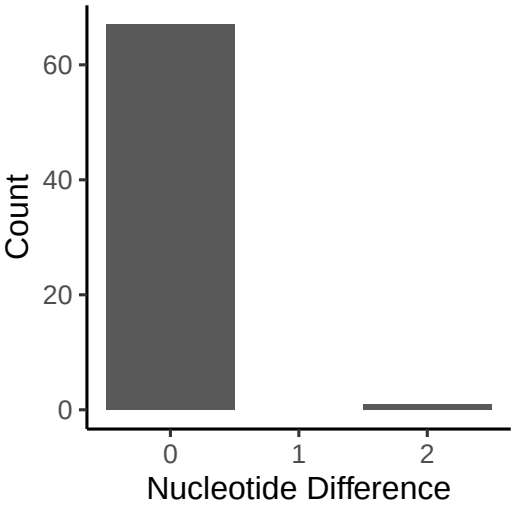
TRBV6−8*ap01

104 sequences assigned
100 (96.2%) exact matches, in which:
96 unique CDR3
14 unique J



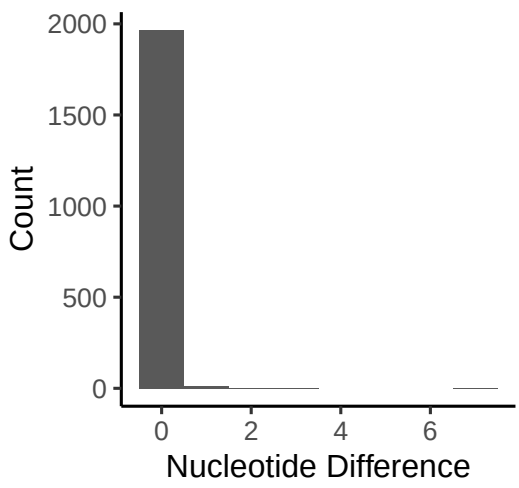
TRBV5−7*ap01

68 sequences assigned
67 (98.5%) exact matches, in which:
65 unique CDR3
13 unique J



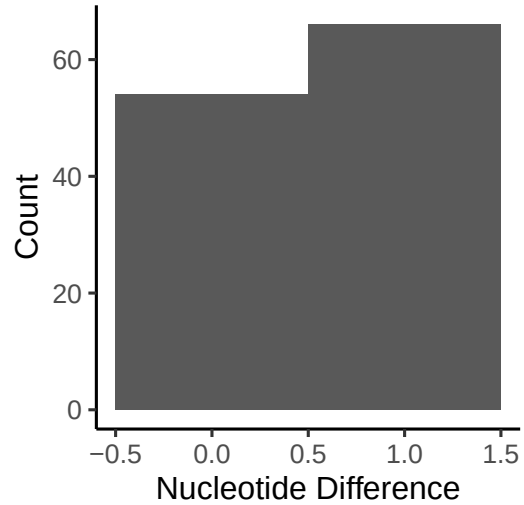
TRBV6−4*ap01

1984 sequences assigned
1966 (99.1%) exact matches, in which:
1940 unique CDR3
14 unique J



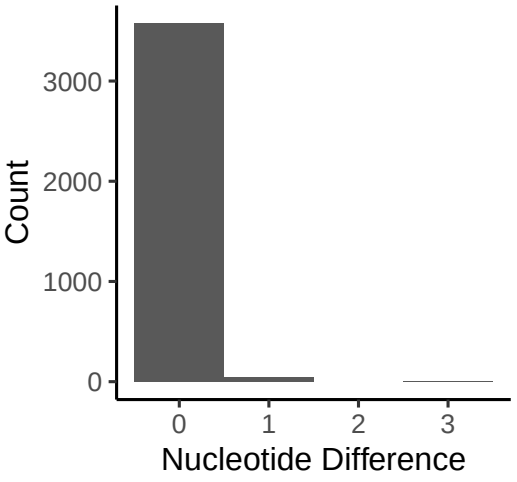
TRBV6−9*ap01

120 sequences assigned
54 (45%) exact matches, in which:
54 unique CDR3
13 unique J



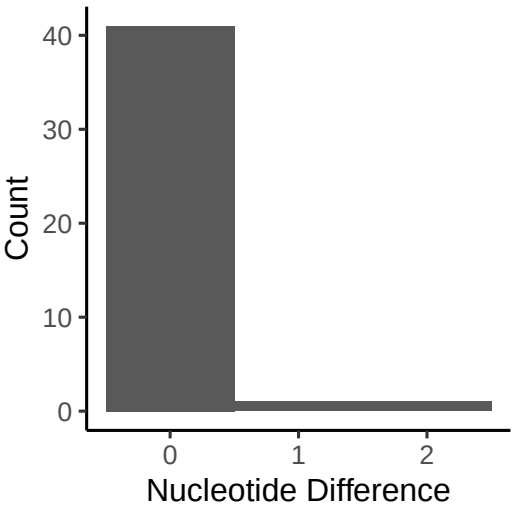
TRBV6−23*ap01

3624 sequences assigned
3575 (98.6%) exact matches, in which:
3495 unique CDR3
14 unique J



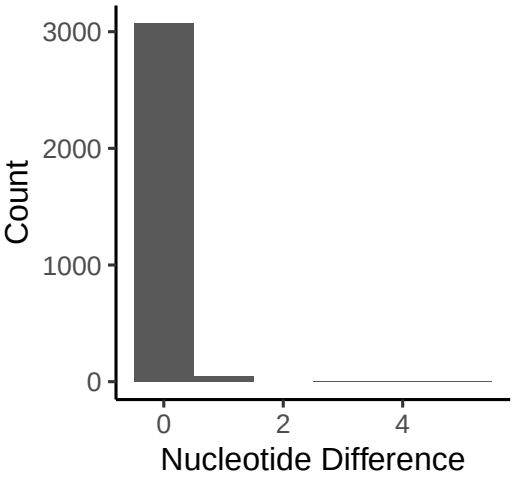
TRBV7−1*ap01_G291C_T

43 sequences assigned
41 (95.3%) exact matches, in which:
41 unique CDR3
12 unique J



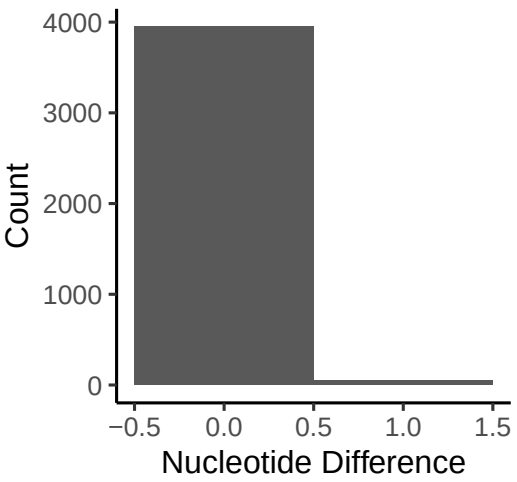
TRBV7−3*ap01

3125 sequences assigned
3071 (98.3%) exact matches, in which:
3040 unique CDR3
14 unique J



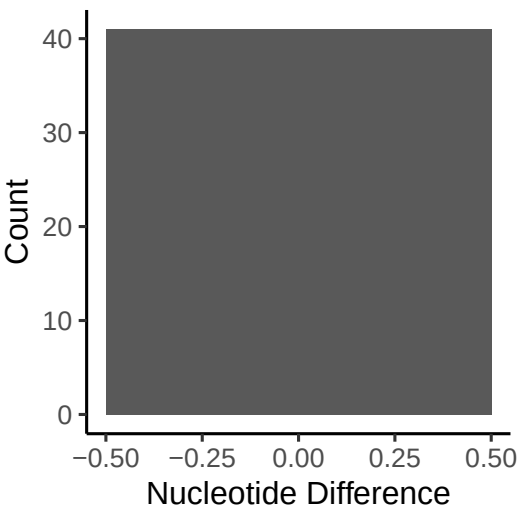
TRBV6−56*ap01

3997 sequences assigned
3949 (98.8%) exact matches, in which:
3880 unique CDR3
14 unique J



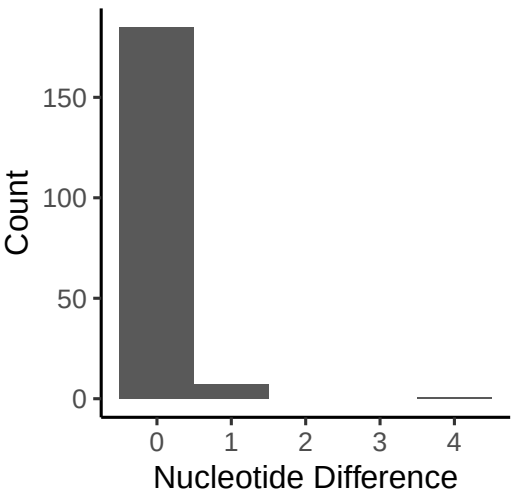
TRBV7−1*ap01_G291C_T

41 sequences assigned
41 (100%) exact matches, in which:
40 unique CDR3
12 unique J



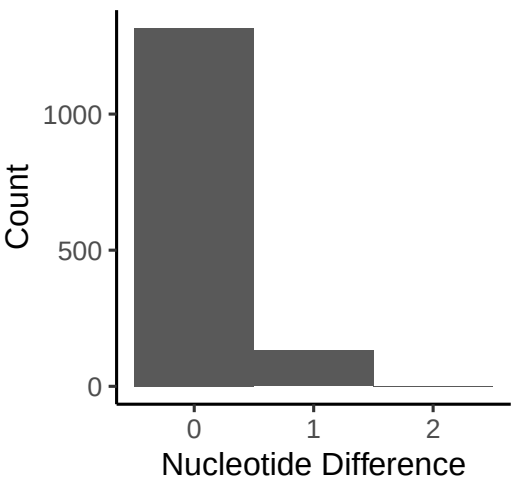
TRBV7−4*ap01

193 sequences assigned
185 (95.9%) exact matches, in which:
183 unique CDR3
14 unique J



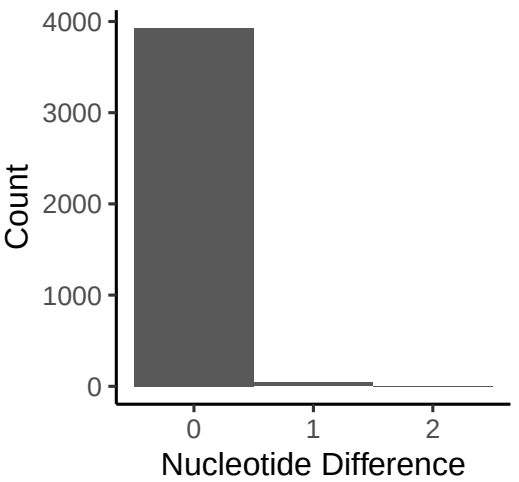
TRBV6−56*ap02

1448 sequences assigned
1316 (90.9%) exact matches, in which:
1296 unique CDR3
14 unique J



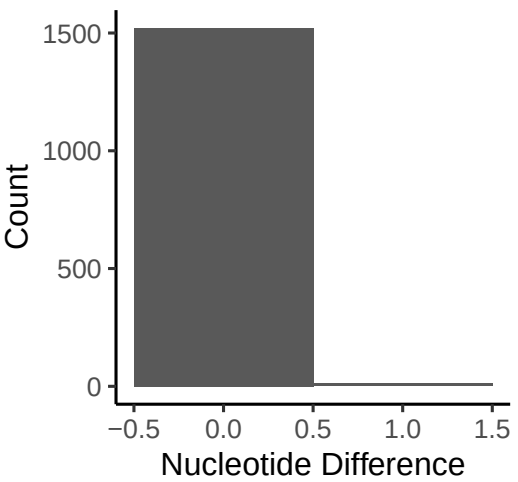
TRBV7−2*ap01

3972 sequences assigned
3928 (98.9%) exact matches, in which:
3899 unique CDR3
14 unique J



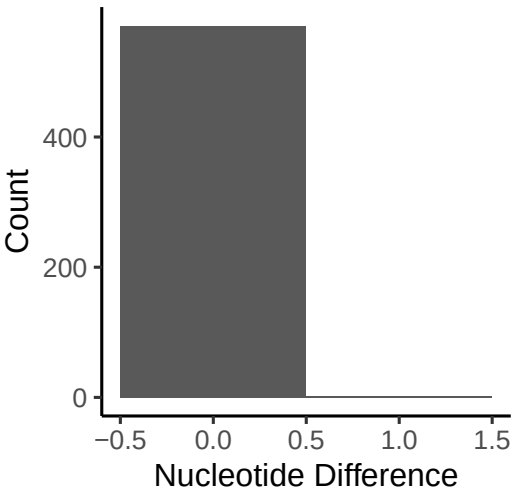
TRBV7−6*ap01

1533 sequences assigned
1521 (99.2%) exact matches, in which:
1506 unique CDR3
14 unique J



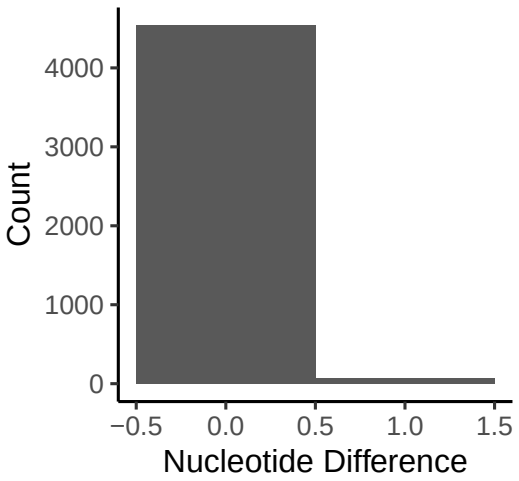
TRBV7−7*ap01

573 sequences assigned
571 (99.7%) exact matches, in which:
564 unique CDR3
14 unique J



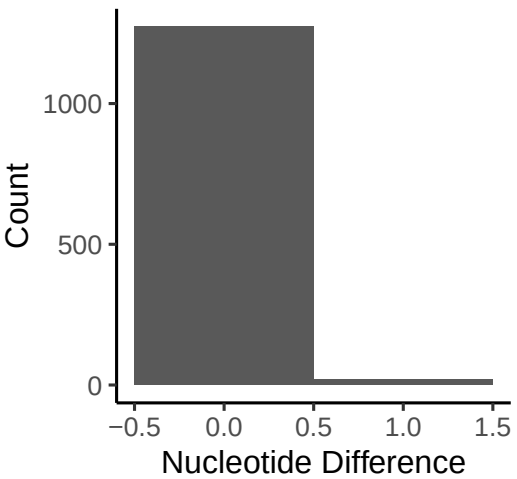
TRBV7−9*ap01

4602 sequences assigned
4538 (98.6%) exact matches, in which:
4461 unique CDR3
14 unique J



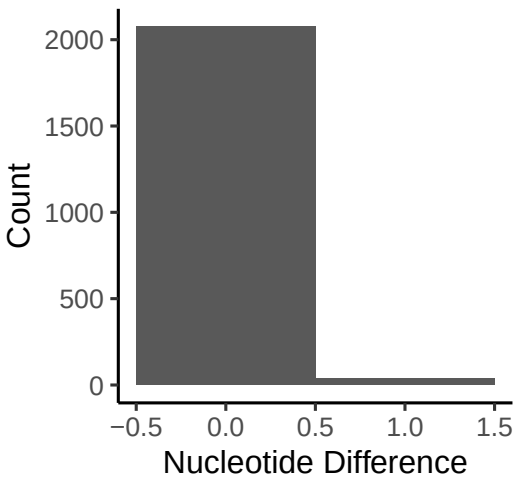
TRBV7−8*ap01

1291 sequences assigned
1273 (98.6%) exact matches, in which:
1249 unique CDR3
14 unique J



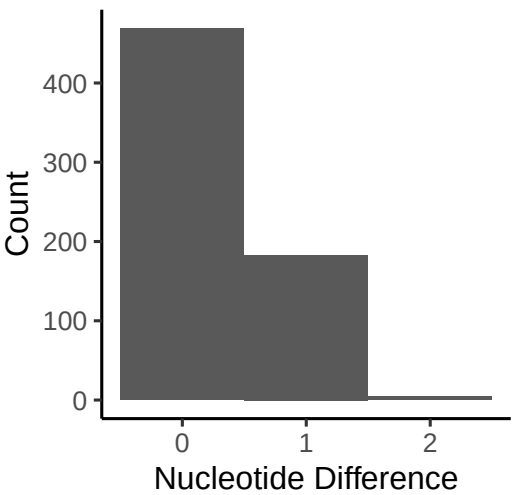
TRBV29−1*ap01

2111 sequences assigned
2075 (98.3%) exact matches, in which:
2035 unique CDR3
14 unique J



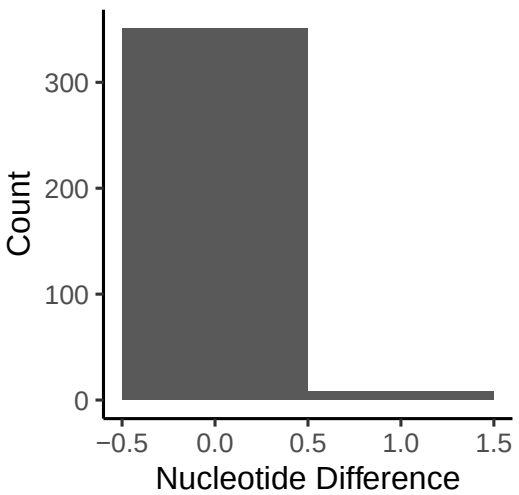
TRBV7−8*ap03

657 sequences assigned
469 (71.4%) exact matches, in which:
463 unique CDR3
14 unique J

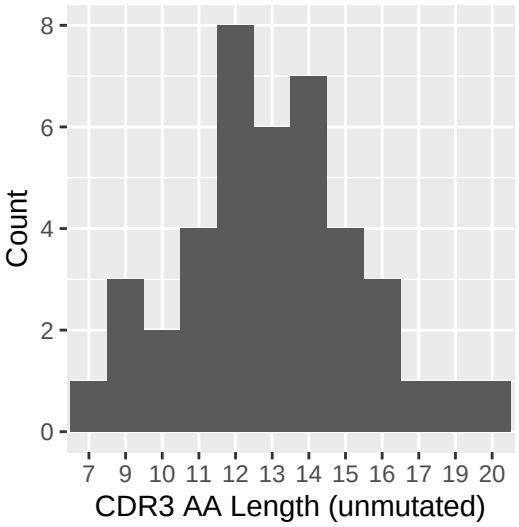


TRBV29−1*ap02

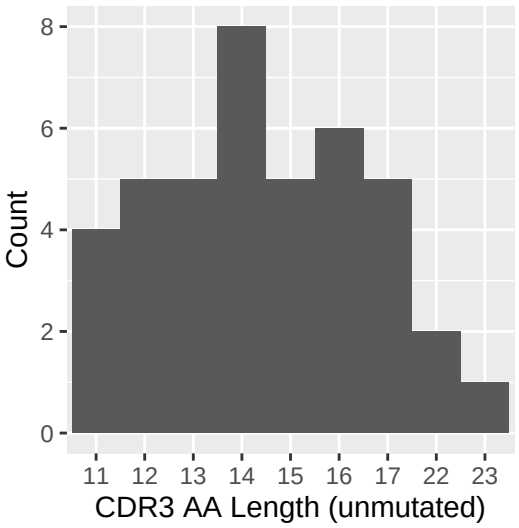
359 sequences assigned
351 (97.8%) exact matches, in which:
348 unique CDR3
14 unique J

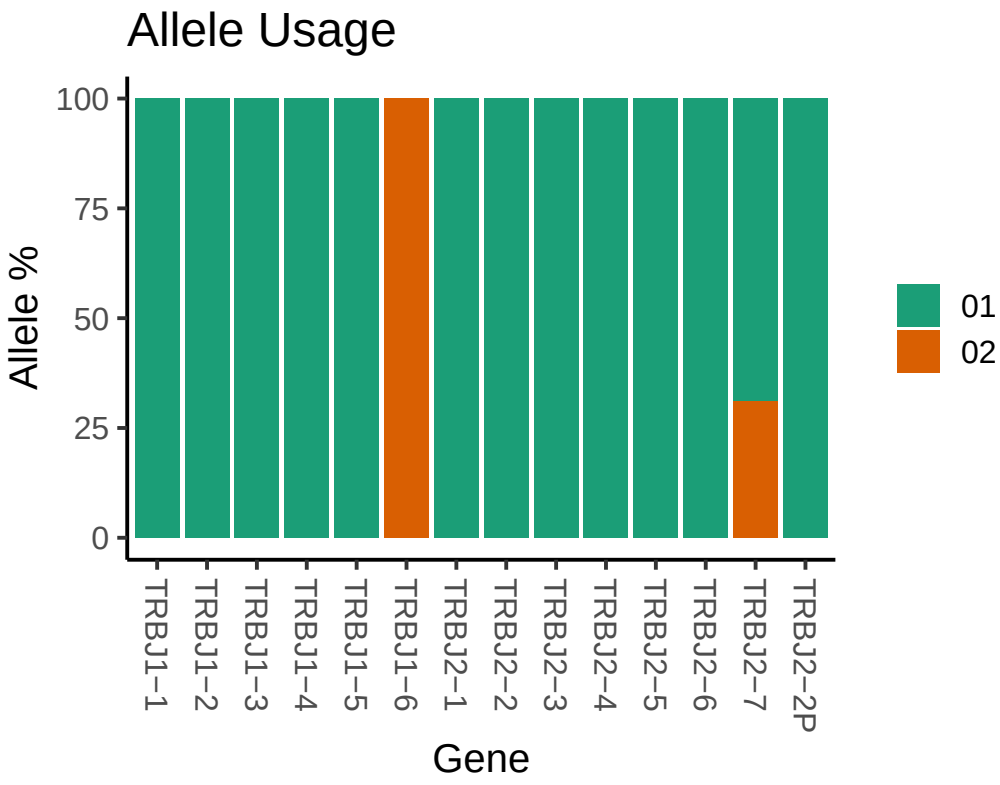


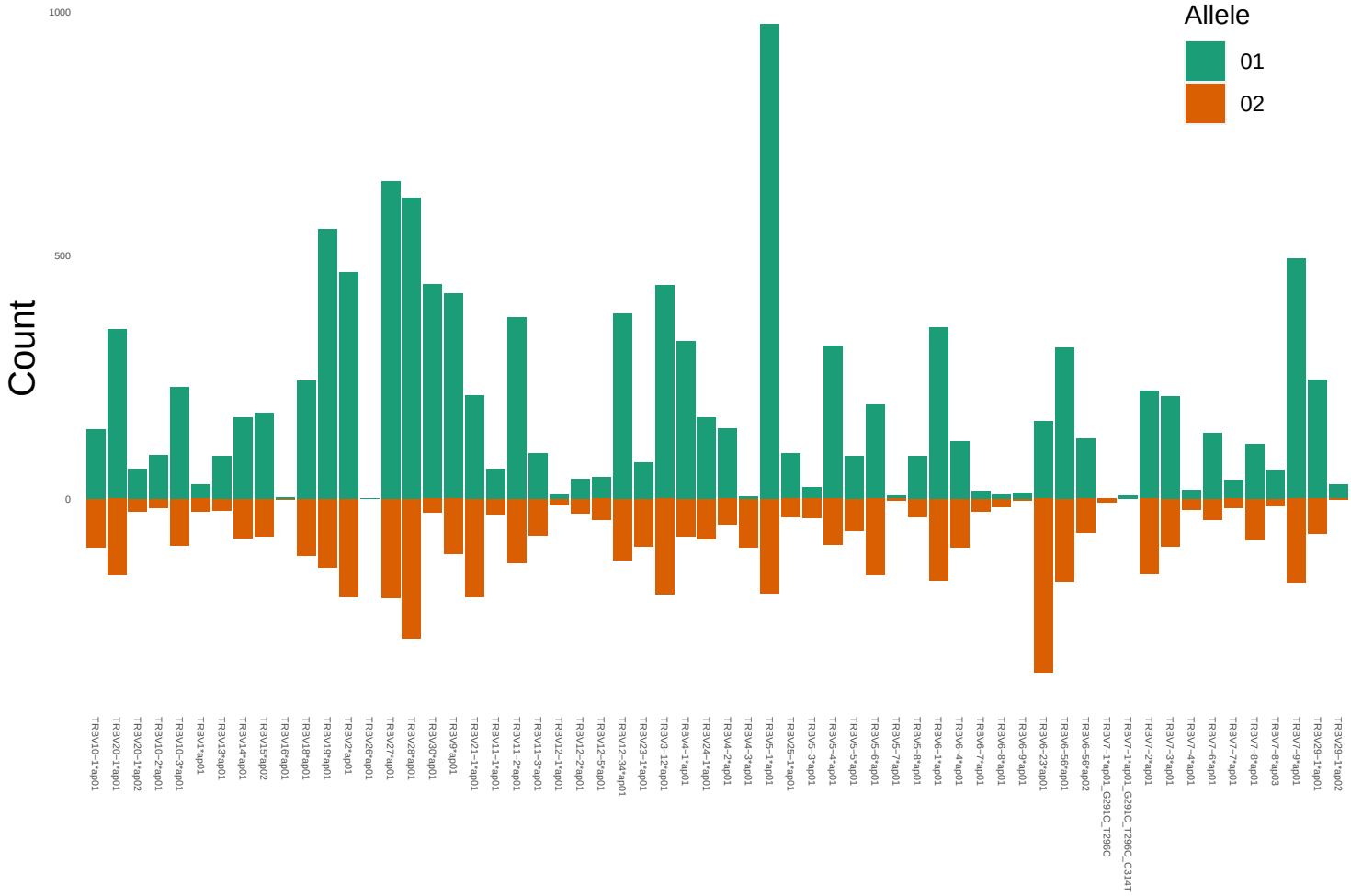
TRBV7−1*ap01_G291C_T296C_C314T



TRBV7−1*ap01_G291C_T296C




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


Sequence Count by TRBJ2−7 allele usage
Count
1000
500
0
Allele
01
02
TRBV10−1*ap01
TRBV20−1*ap01
TRBV20−1*ap02
TRBV10−2*ap01
TRBV10−3*ap01
TRBV1*ap01
TRBV13*ap01
TRBV14*ap01
TRBV15*ap02
TRBV16*ap01
TRBV18*ap01
TRBV19*ap01
TRBV2*ap01
TRBV26*ap01
TRBV27*ap01
TRBV28*ap01
TRBV30*ap01
TRBV9*ap01
TRBV21−1*ap01
TRBV11−1*ap01
TRBV11−2*ap01
TRBV11−3*ap01
TRBV12−1*ap01
TRBV12−2*ap01
TRBV12−5*ap01
TRBV12−34*ap01
TRBV23−1*ap01
TRBV3−12*ap01
TRBV4−1*ap01
TRBV24−1*ap01
TRBV4−2*ap01
TRBV4−3*ap01
TRBV5−1*ap01
TRBV25−1*ap01
TRBV5−3*ap01
TRBV5−4*ap01
TRBV5−5*ap01
TRBV5−6*ap01
TRBV5−7*ap01
TRBV5−8*ap01
TRBV6−1*ap01
TRBV6−4*ap01
TRBV6−7*ap01
TRBV6−8*ap01
TRBV6−9*ap01
TRBV6−23*ap01
TRBV6−56*ap01
TRBV6−56*ap02
TRBV7−1*ap01_G291C_T296C
TRBV7−1*ap01_G291C_T296C_C314T
TRBV7−2*ap01
TRBV7−3*ap01
TRBV7−4*ap01
TRBV7−6*ap01
TRBV7−7*ap01
TRBV7−8*ap01
TRBV7−8*ap03
TRBV7−9*ap01
TRBV29−1*ap01
TRBV29−1*ap02

Warning − no inferred sequences found.

Warning − no inferred sequences found.

Warning − no inferred sequences found.