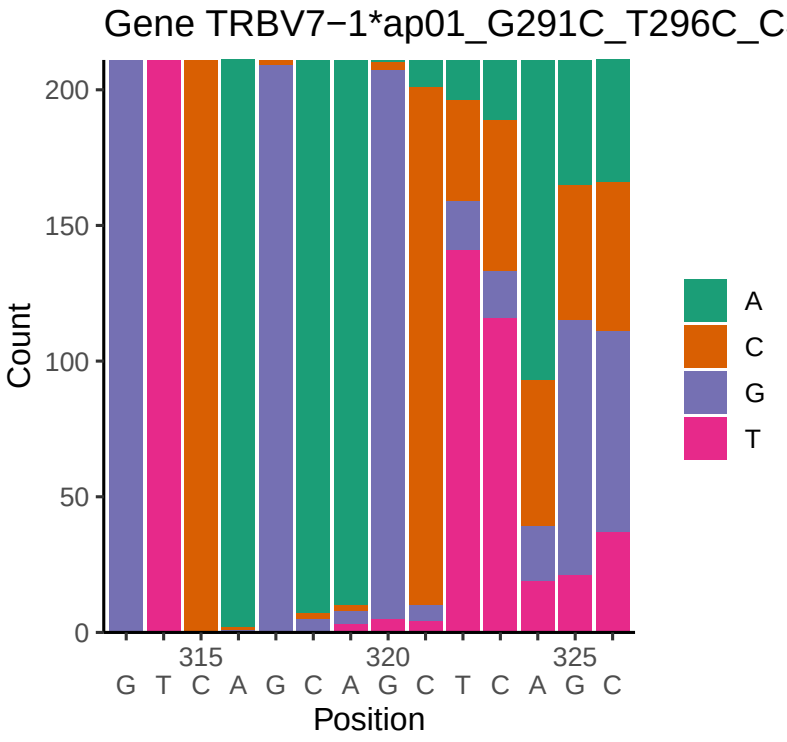
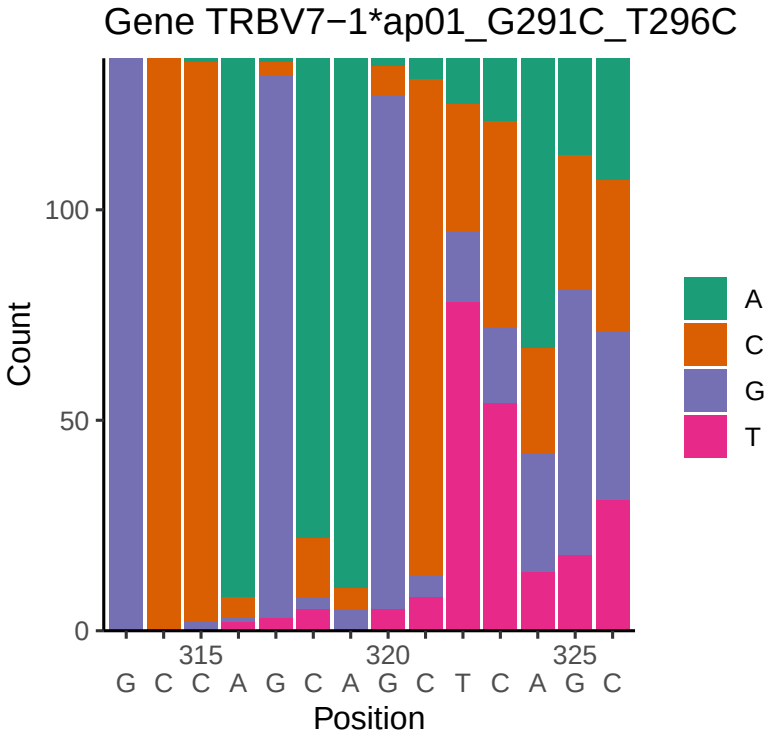
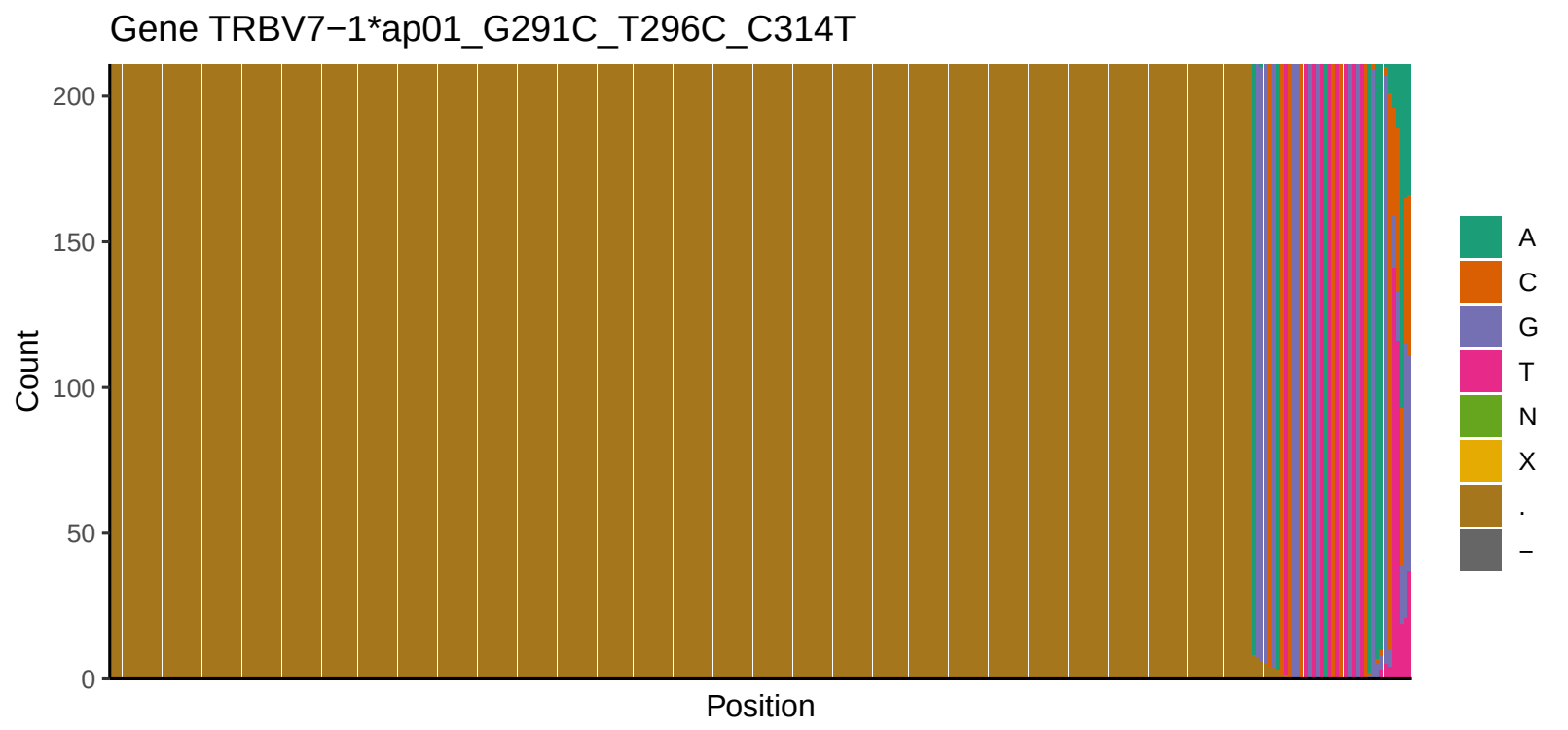
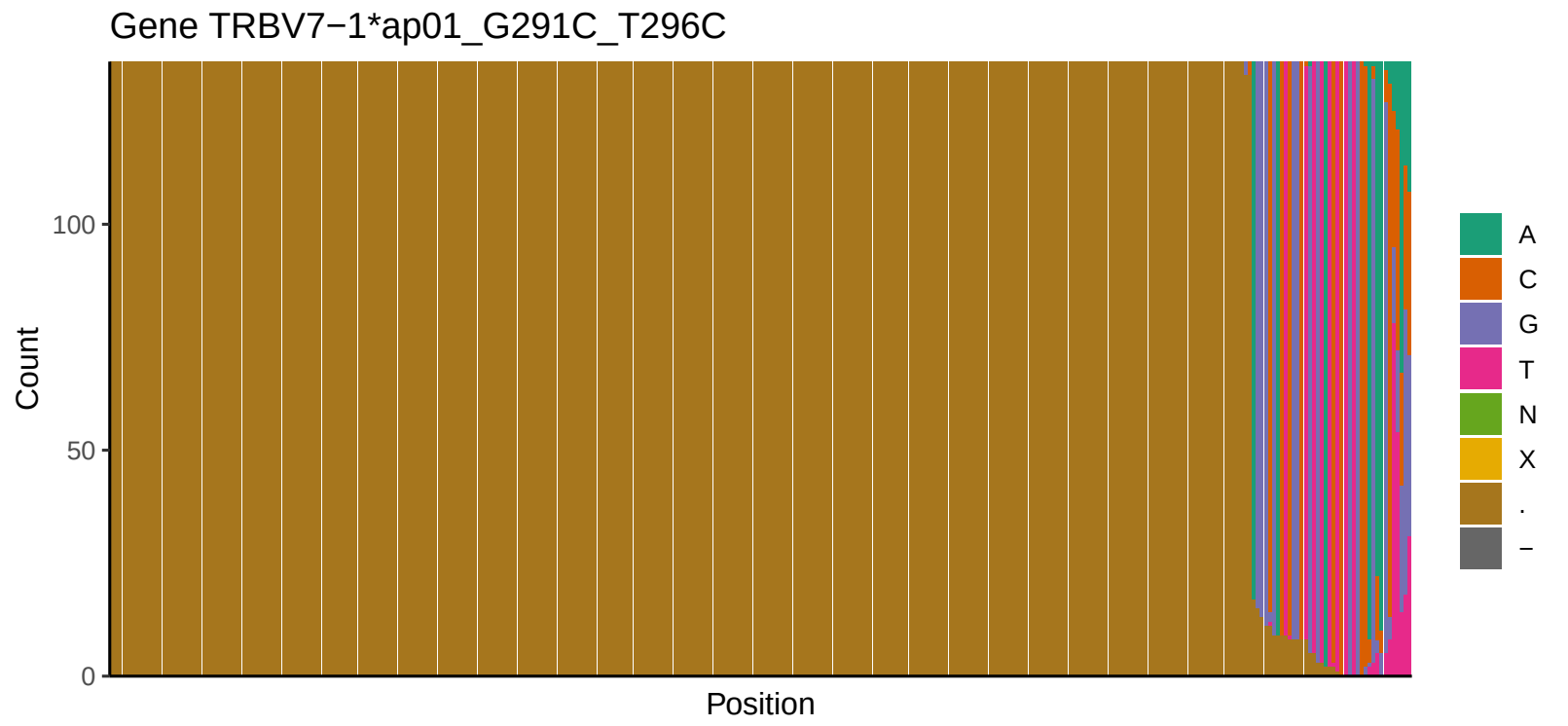
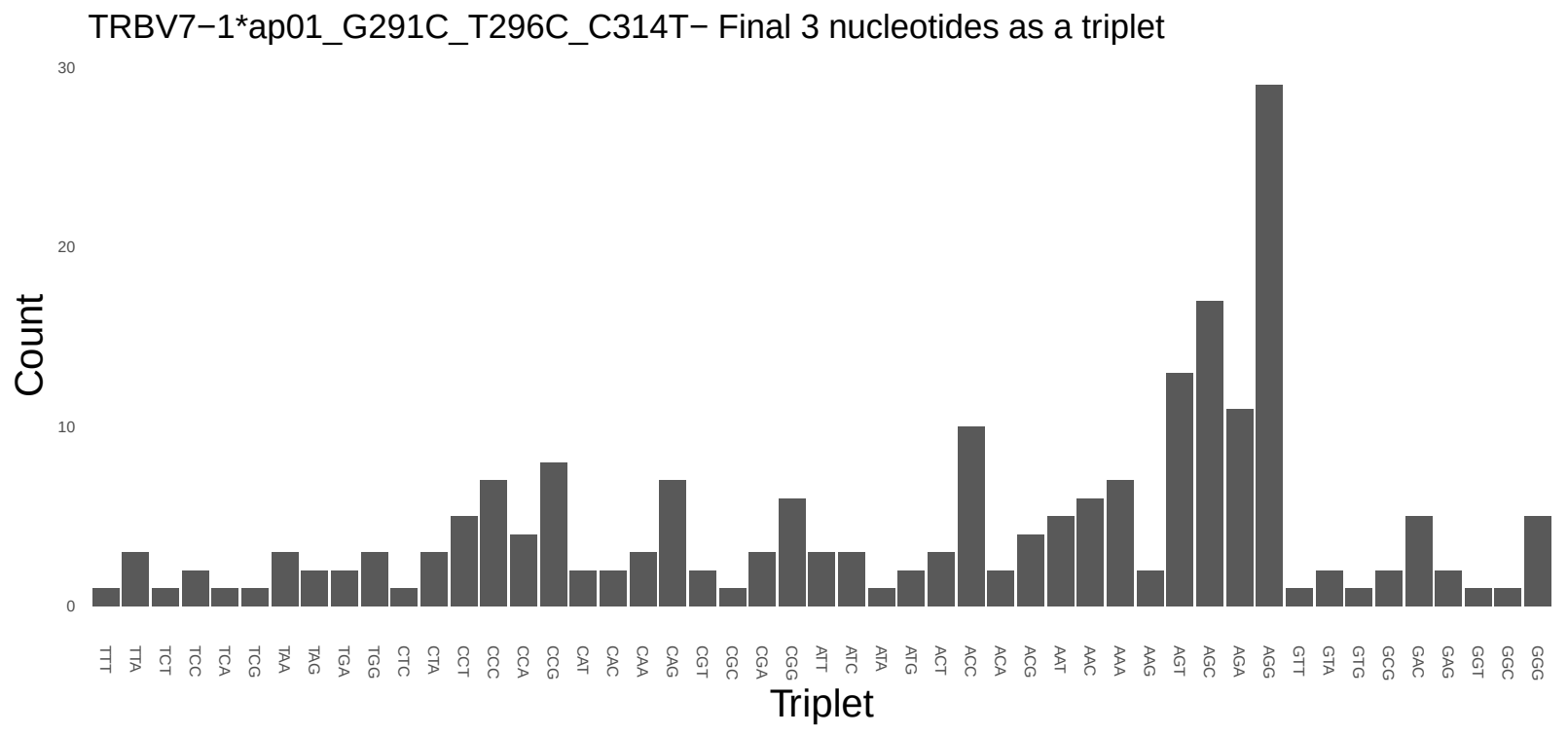
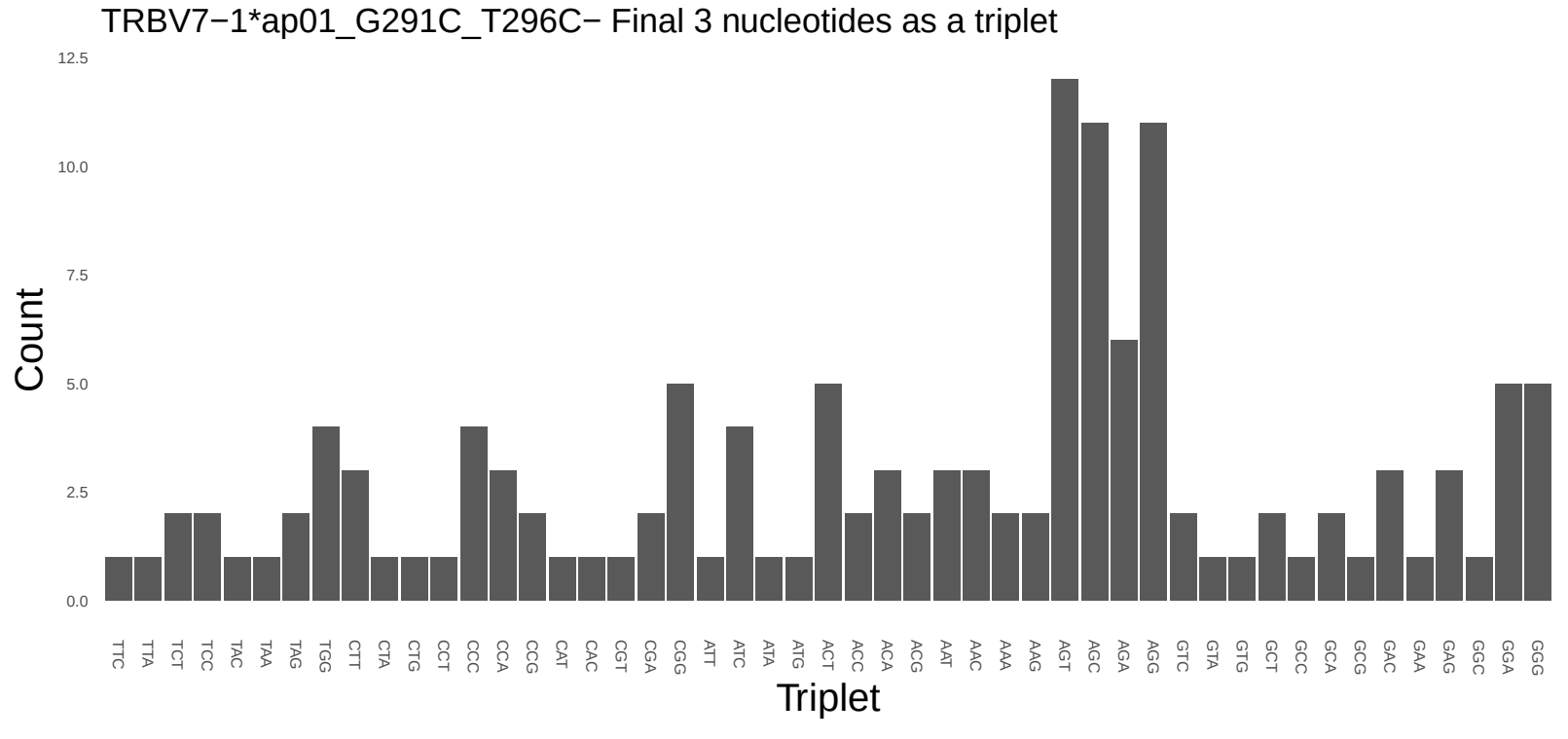

Gene TRBV7−1*ap01_G291C_T296C_C314T
Count
200
150
100
50
0
315
320
325
G T C A G C A G C T C A G C
Position
A
C
G
T


Gene TRBV7−1*ap01_G291C_T296C
Count
100
50
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
200
150
100
50
0
Position
A
C
G
T
N
X
.
–

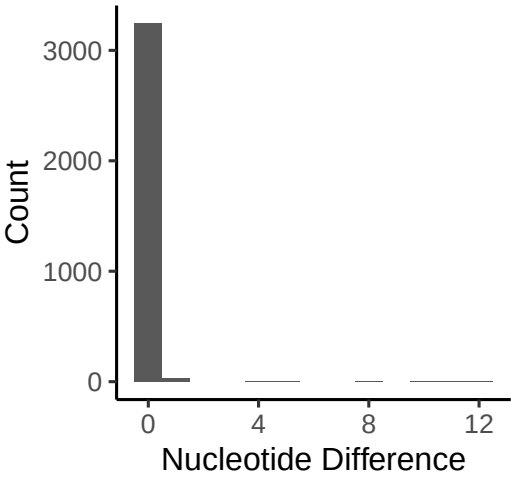

Gene TRBV7−1*ap01_G291C_T296C
Count
100
50
0
Position
A
C
G
T
N
X
.
–


TRBV7−1*ap01_G291C_T296C_C314T− Final 3 nucleotides as a triplet
Count
30
20
10
0
TTT TTA TCT TCC TCA TCG TAA TAG TGA TGG CTC CTA CCT CCC CCA CCG CAT CAC CAA CAG CGT CGC CGA CGG ATT ATC ATA ATG ACT ACC ACA ACG AAT AAC AAA AAG AGT AGC AGA AGG GTT GTA GTG GCG GAC GAG GGT GGC GGG
Triplet


TRBV7−1*ap01_G291C_T296C− Final 3 nucleotides as a triplet
Count
12.5
10.0
7.5
5.0
2.5
0.0
TTC TTA TCT TCC TAC TAA TAG TGG CTT CTA CTG CCT CCC CCA CCG CAT CAC CGT CGA CGG ATT ATC ATA ATG ACT ACC ACA ACG AAT AAC AAA AAG AGT AGC AGA AGG GTC GTA GTG GCT GCC GCA GCG GAC GAA GAG GGC GGA GGG
Triplet

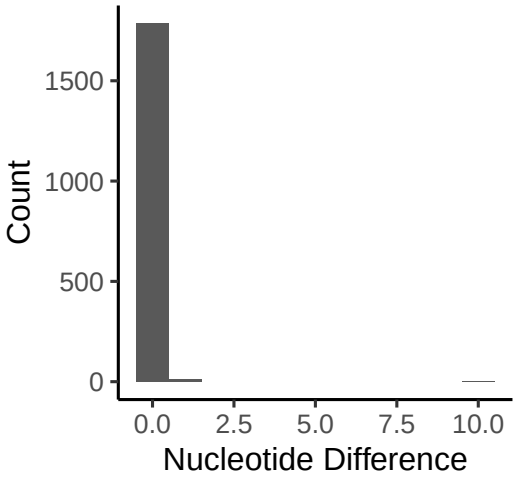
TRBV10−1*ap01

3287 sequences assigned
3244 (98.7%) exact matches, in which:
3175 unique CDR3
13 unique J



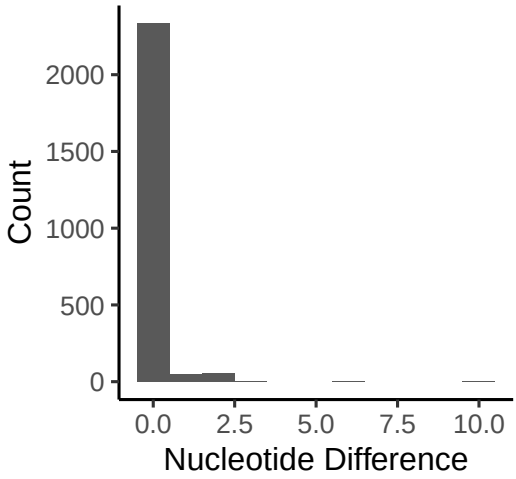
TRBV10−2*ap01

1801 sequences assigned
1786 (99.2%) exact matches, in which:
1751 unique CDR3
13 unique J



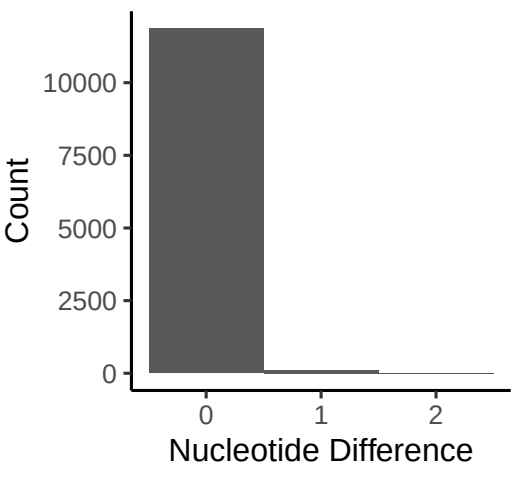
TRBV13*ap01

2442 sequences assigned
2334 (95.6%) exact matches, in which:
2273 unique CDR3
13 unique J



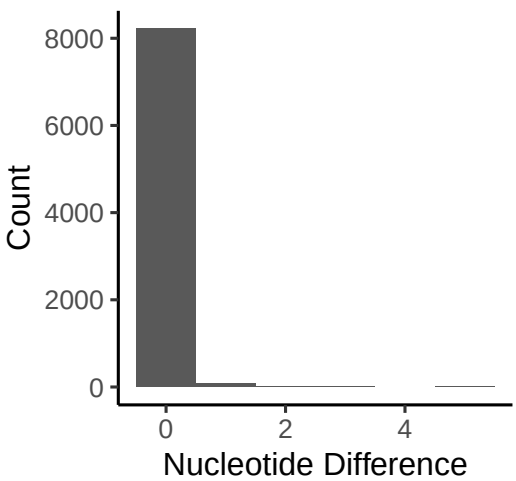
TRBV20−1*ap01

11977 sequences assigned
11866 (99.1%) exact matches, in which:
11738 unique CDR3
14 unique J



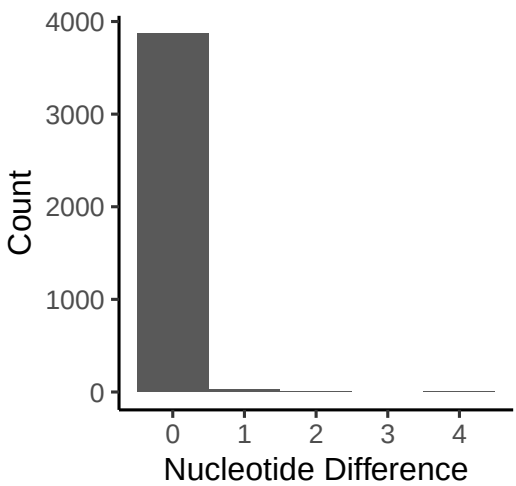
TRBV10−3*ap01

8309 sequences assigned
8219 (98.9%) exact matches, in which:
8057 unique CDR3
13 unique J



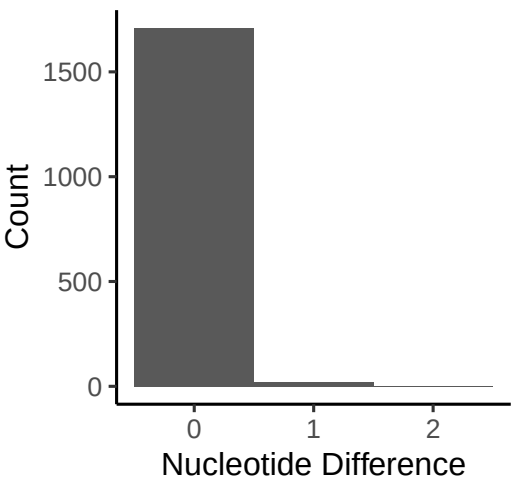
TRBV14*ap01

3901 sequences assigned
3868 (99.2%) exact matches, in which:
3825 unique CDR3
13 unique J



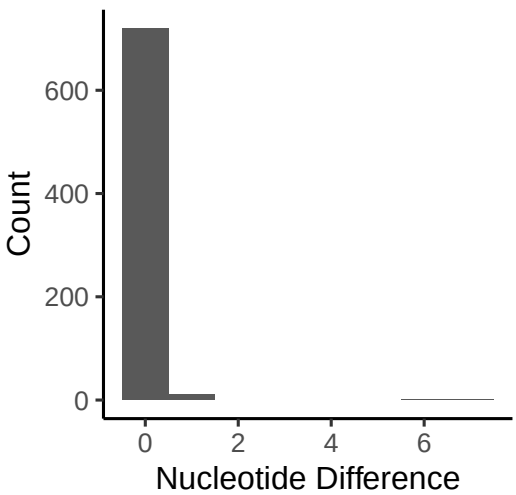
TRBV20−1*ap02

1731 sequences assigned
1709 (98.7%) exact matches, in which:
1689 unique CDR3
13 unique J



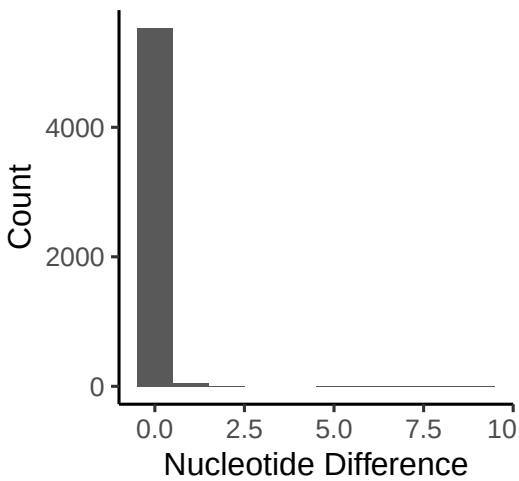
TRBV1*ap01

733 sequences assigned
720 (98.2%) exact matches, in which:
706 unique CDR3
13 unique J



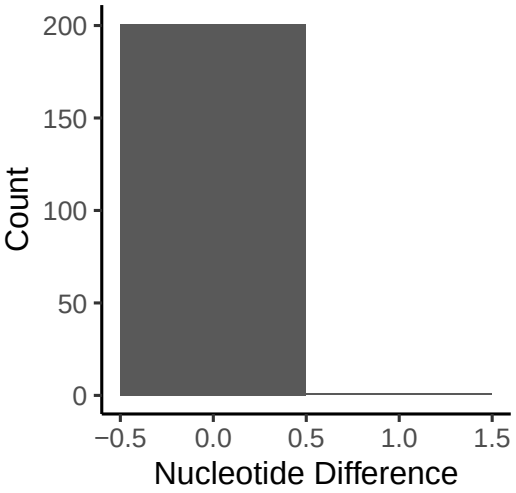
TRBV15*ap02

5598 sequences assigned
5533 (98.8%) exact matches, in which:
5422 unique CDR3
13 unique J



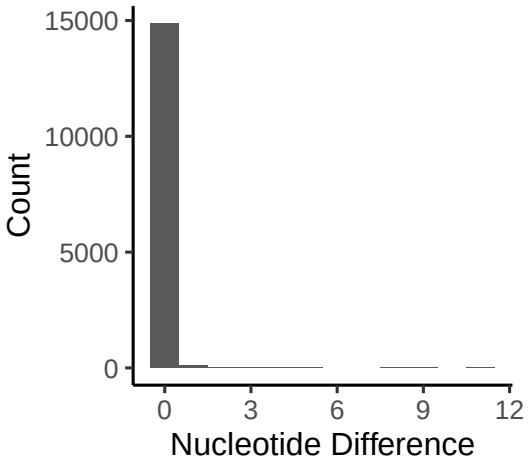
TRBV16*ap01

202 sequences assigned
201 (99.5%) exact matches, in which:
199 unique CDR3
13 unique J



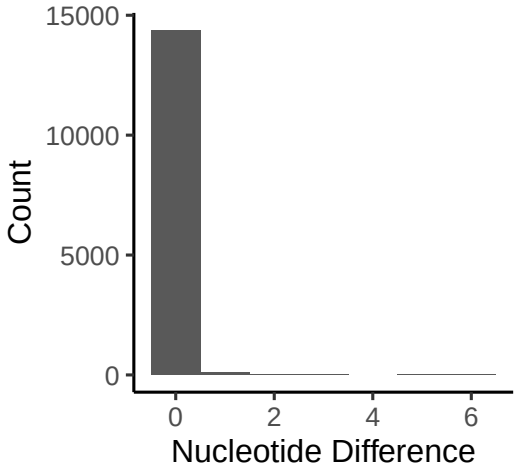
TRBV19*ap01

15012 sequences assigned
14885 (99.2%) exact matches, in which:
14787 unique CDR3
13 unique J



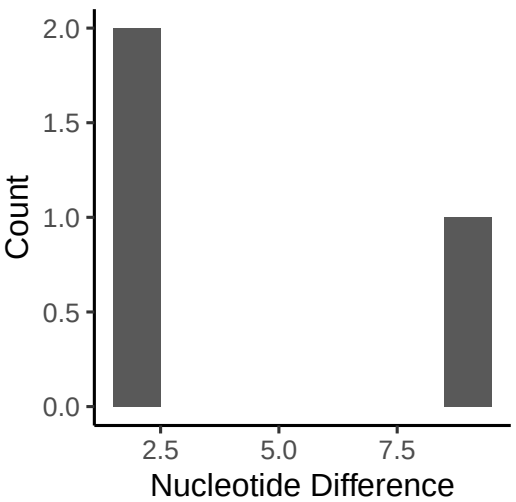
TRBV28*ap01

14509 sequences assigned
14379 (99.1%) exact matches, in which:
14222 unique CDR3
13 unique J



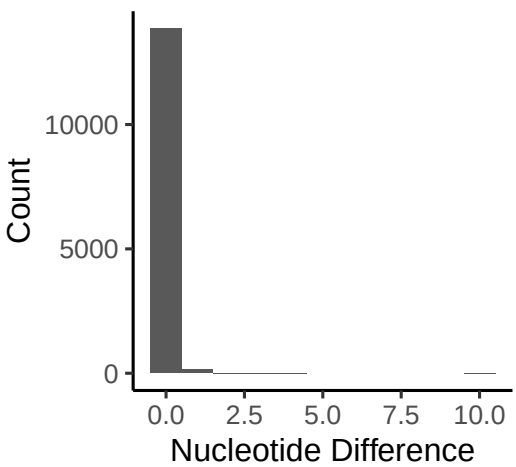
TRBV17*ap01

3 sequences assigned
No exact matches.



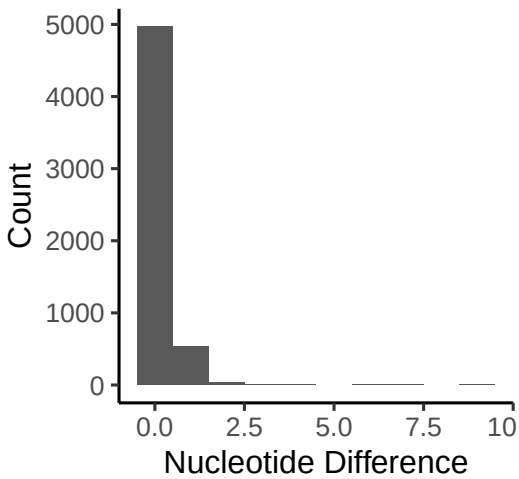
TRBV2*ap01

14038 sequences assigned
13862 (98.7%) exact matches, in which:
13646 unique CDR3
13 unique J



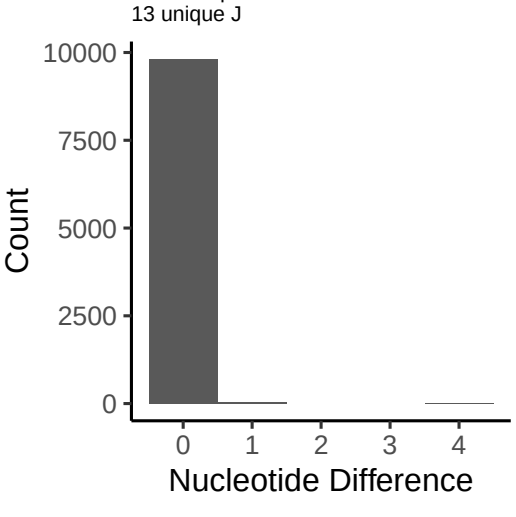
TRBV30*ap01

5558 sequences assigned
4968 (89.4%) exact matches, in which:
4822 unique CDR3
13 unique J



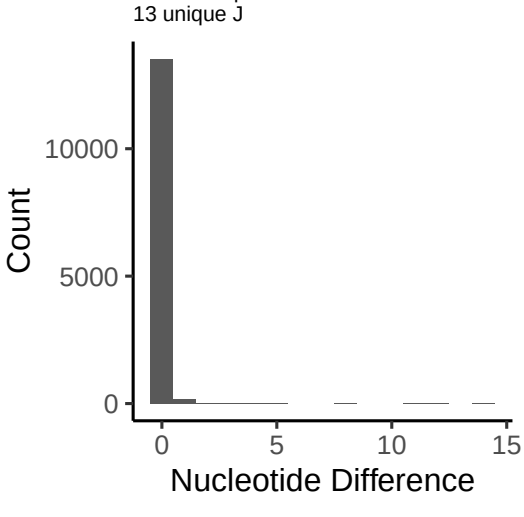
TRBV18*ap01

9852 sequences assigned
9821 (99.7%) exact matches, in which:
9749 unique CDR3
13 unique J



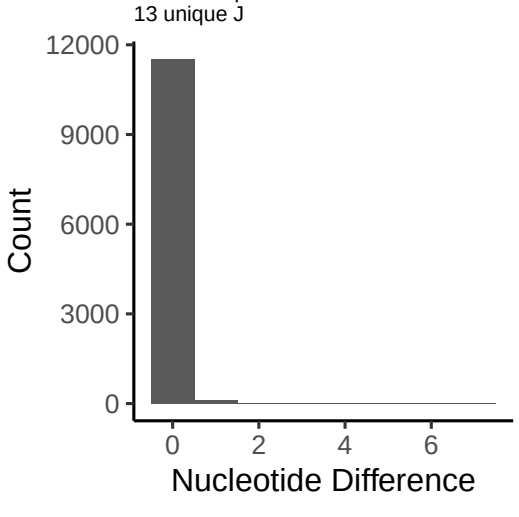
TRBV27*ap01

13725 sequences assigned
13528 (98.6%) exact matches, in which:
13314 unique CDR3
13 unique J



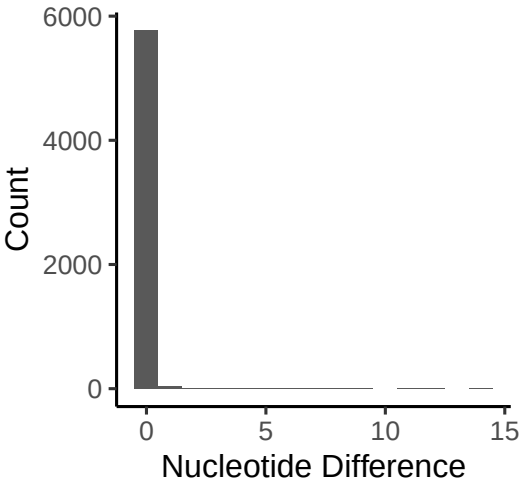
TRBV9*ap01

11656 sequences assigned
11532 (98.9%) exact matches, in which:
11388 unique CDR3
13 unique J



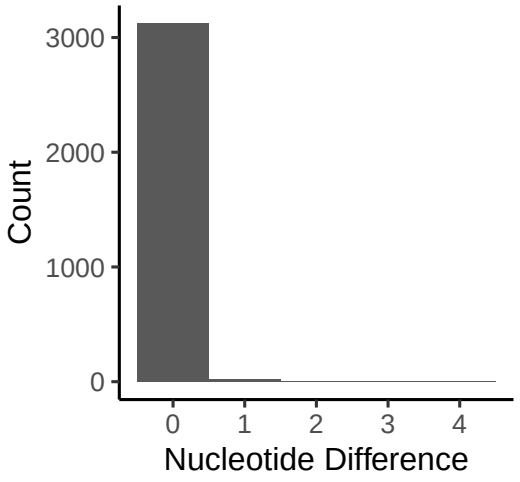
TRBV21−1*ap01

5846 sequences assigned
5770 (98.7%) exact matches, in which:
5726 unique CDR3
13 unique J



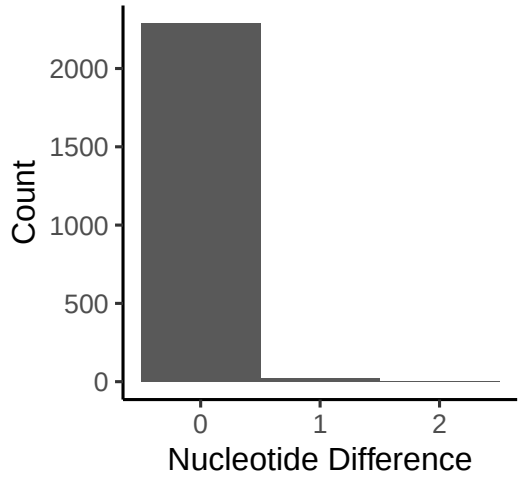
TRBV11−3*ap01

3151 sequences assigned
3123 (99.1%) exact matches, in which:
3095 unique CDR3
13 unique J



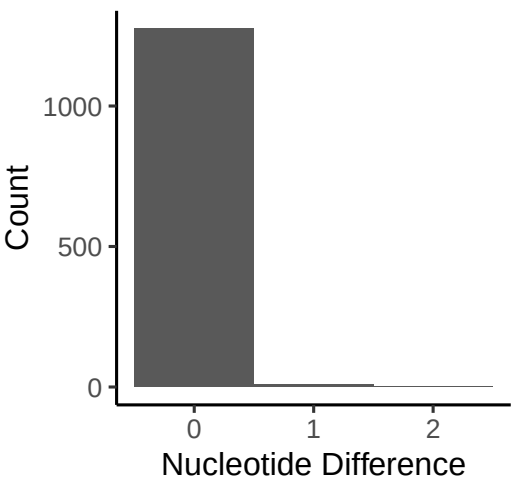
TRBV12−5*ap01

2309 sequences assigned
2288 (99.1%) exact matches, in which:
2255 unique CDR3
14 unique J



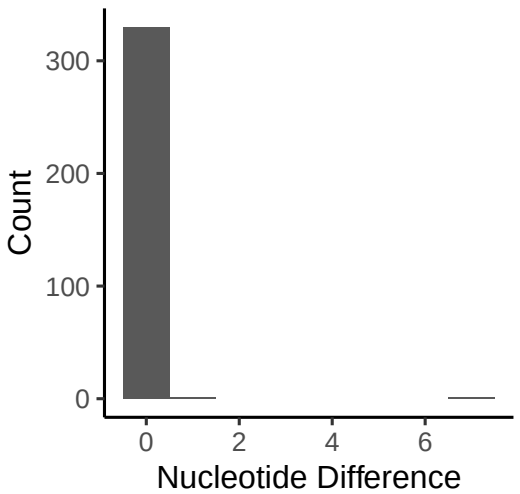
TRBV11−1*ap01

1284 sequences assigned
1275 (99.3%) exact matches, in which:
1263 unique CDR3
13 unique J



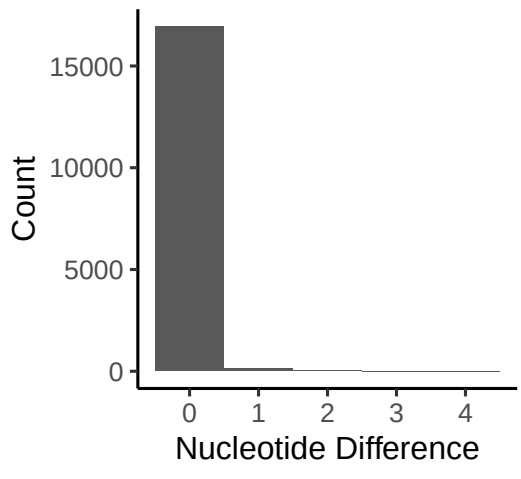
TRBV12−1*ap01

332 sequences assigned
330 (99.4%) exact matches, in which:
327 unique CDR3
13 unique J



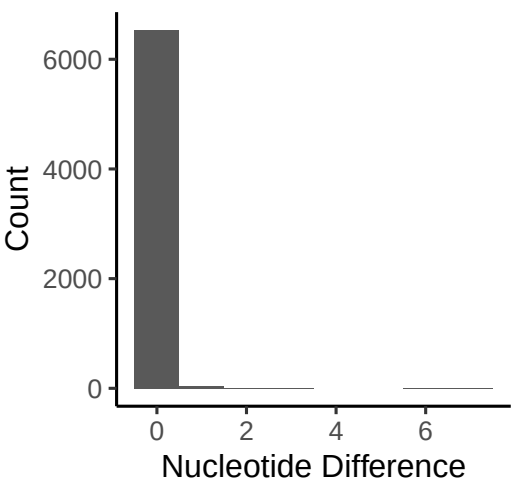
TRBV12−34*ap01

17105 sequences assigned
16942 (99%) exact matches, in which:
16731 unique CDR3
13 unique J



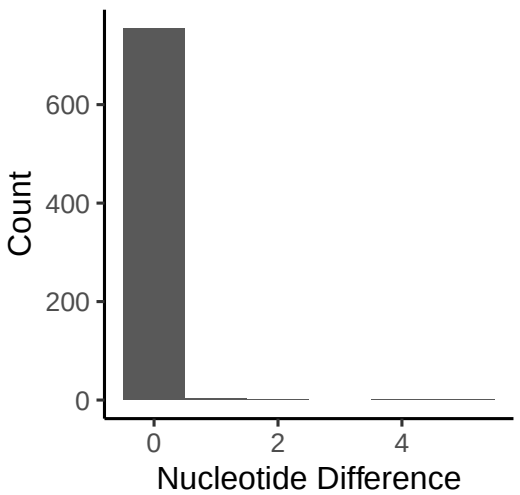
TRBV11−2*ap01

6582 sequences assigned
6533 (99.3%) exact matches, in which:
6464 unique CDR3
13 unique J



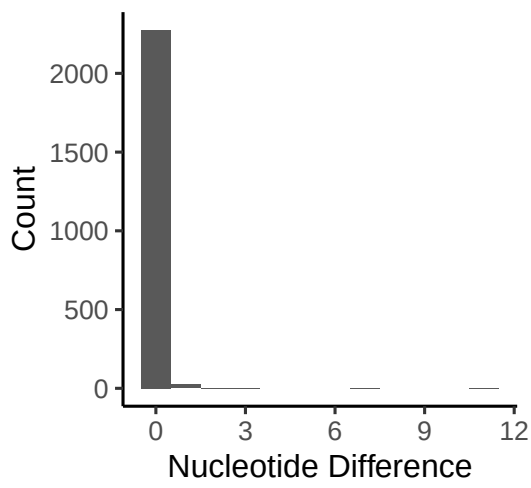
TRBV12−2*ap01

762 sequences assigned
755 (99.1%) exact matches, in which:
748 unique CDR3
13 unique J



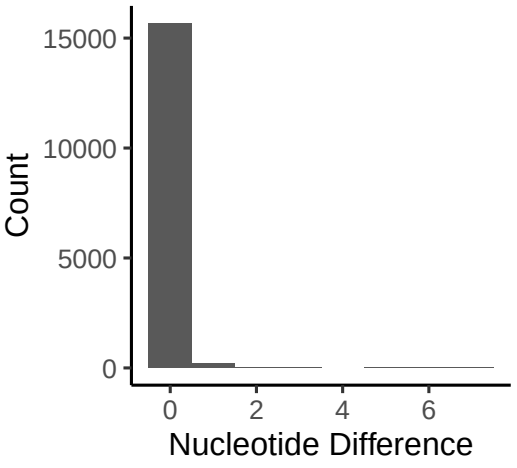
TRBV23−1*ap01

2307 sequences assigned
2275 (98.6%) exact matches, in which:
2245 unique CDR3
13 unique J



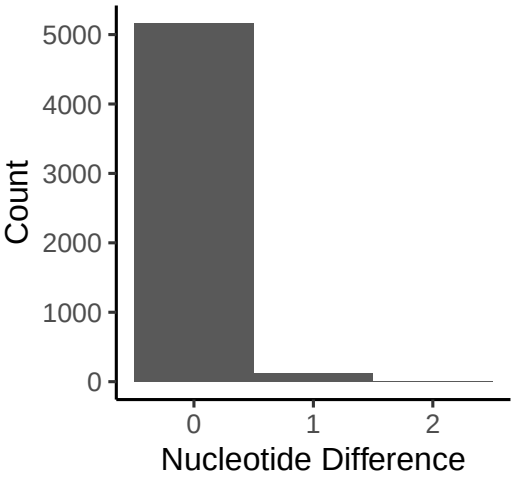
TRBV3−12*ap01

15900 sequences assigned
15680 (98.6%) exact matches, in which:
15456 unique CDR3
13 unique J



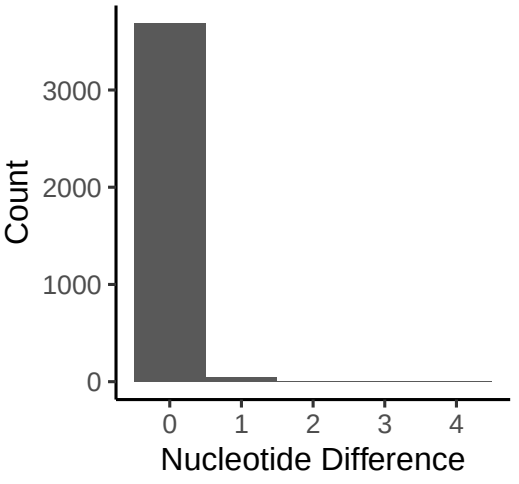
TRBV4−2*ap01

5290 sequences assigned
5161 (97.6%) exact matches, in which:
5081 unique CDR3
13 unique J



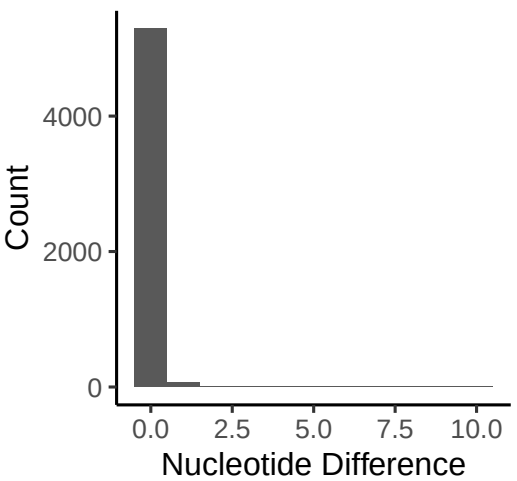
TRBV25−1*ap01

3743 sequences assigned
3685 (98.5%) exact matches, in which:
3611 unique CDR3
14 unique J



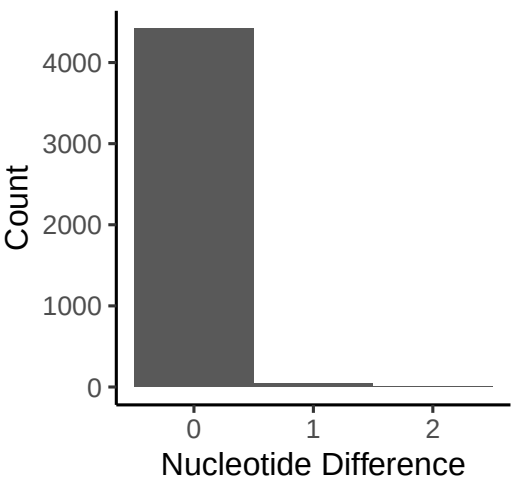
TRBV24−1*ap01

5377 sequences assigned
5290 (98.4%) exact matches, in which:
5219 unique CDR3
13 unique J



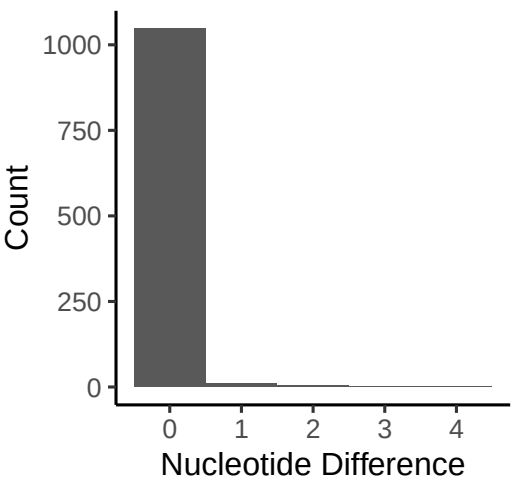
TRBV4−3*ap01

4466 sequences assigned
4417 (98.9%) exact matches, in which:
4330 unique CDR3
13 unique J



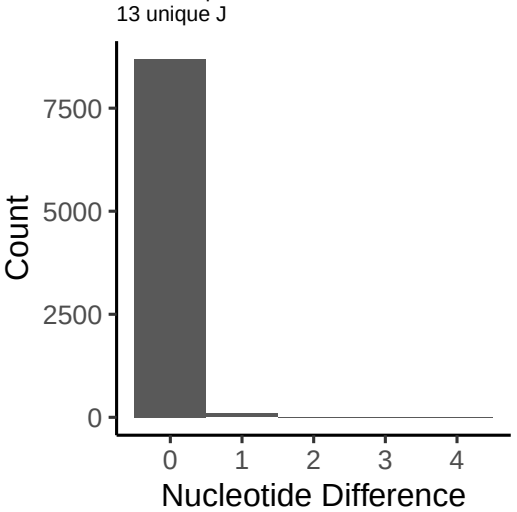
TRBV5−3*ap01

1064 sequences assigned
1047 (98.4%) exact matches, in which:
1032 unique CDR3
13 unique J



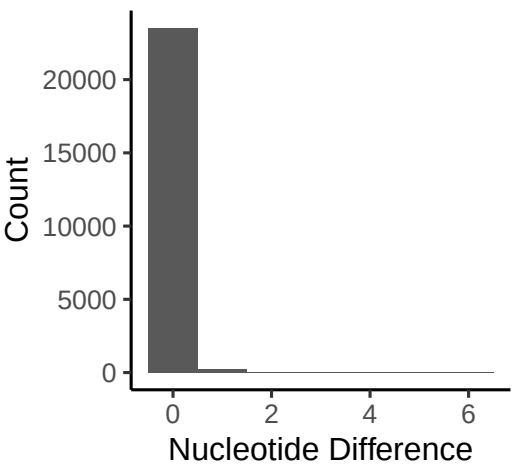
TRBV4−1*ap01

8792 sequences assigned
8692 (98.9%) exact matches, in which:
8543 unique CDR3
13 unique J



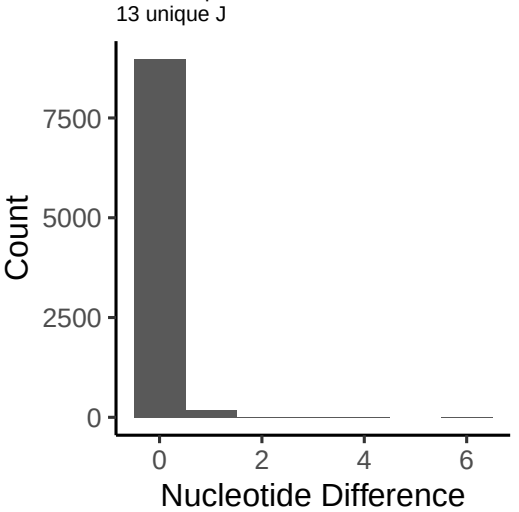
TRBV5−1*ap01

23779 sequences assigned
23538 (99%) exact matches, in which:
22820 unique CDR3
13 unique J



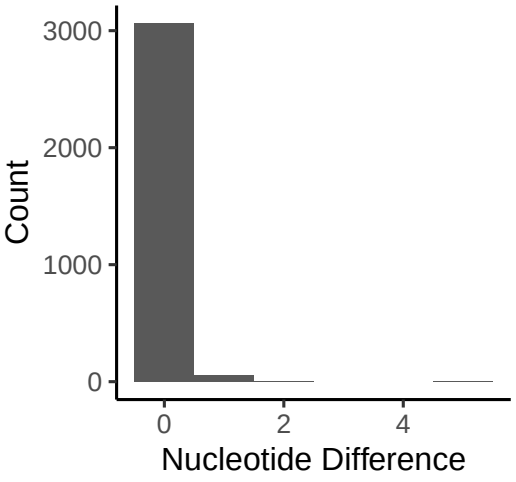
TRBV5−4*ap01

9177 sequences assigned
8976 (97.8%) exact matches, in which:
8860 unique CDR3
13 unique J



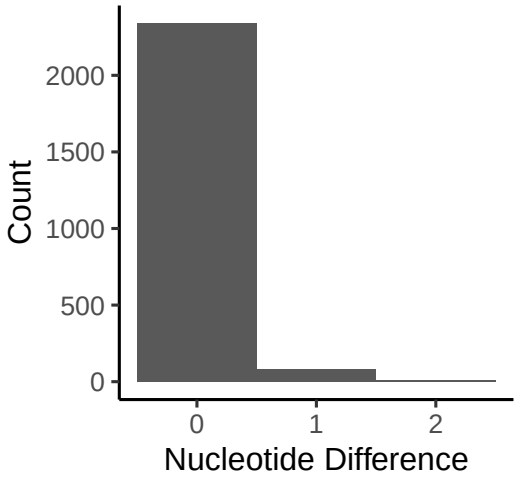
TRBV5−5*ap01

3120 sequences assigned
3062 (98.1%) exact matches, in which:
3019 unique CDR3
13 unique J



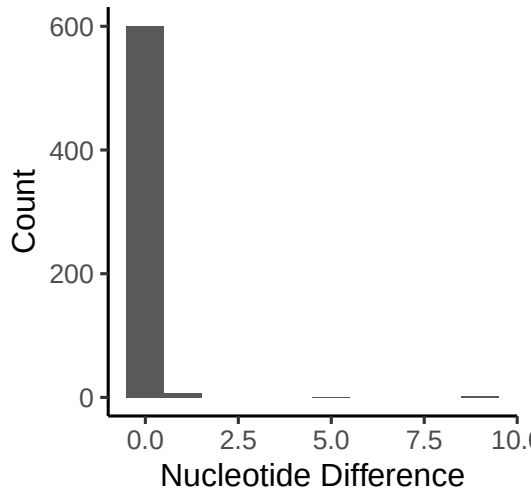
TRBV5−8*ap01

2432 sequences assigned
2339 (96.2%) exact matches, in which:
2317 unique CDR3
13 unique J



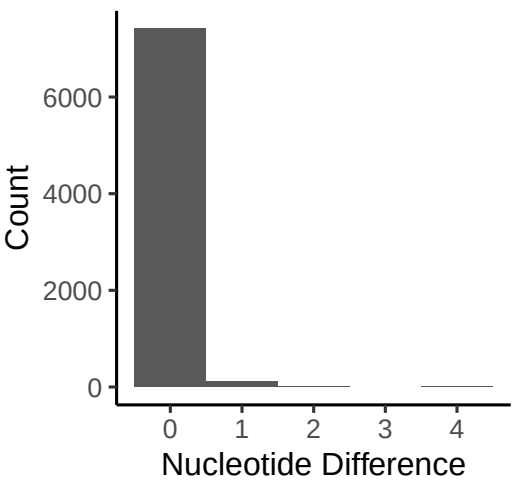
TRBV6−7*ap01

611 sequences assigned
601 (98.4%) exact matches, in which:
594 unique CDR3
13 unique J



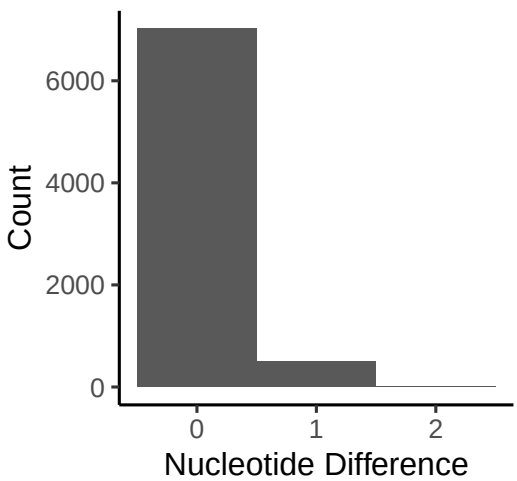
TRBV5−6*ap01

7530 sequences assigned
7413 (98.4%) exact matches, in which:
7025 unique CDR3
13 unique J



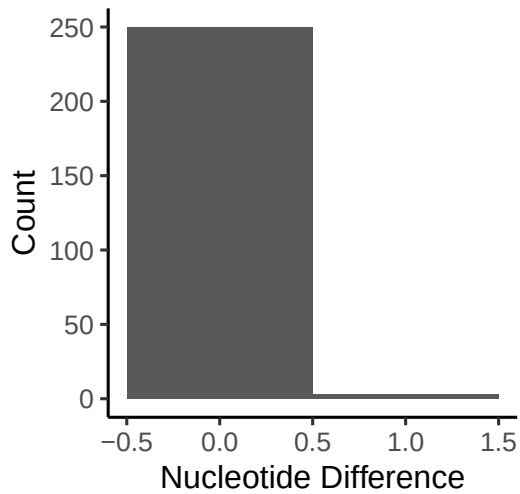
TRBV6−1*ap01

7531 sequences assigned
7020 (93.2%) exact matches, in which:
6897 unique CDR3
13 unique J



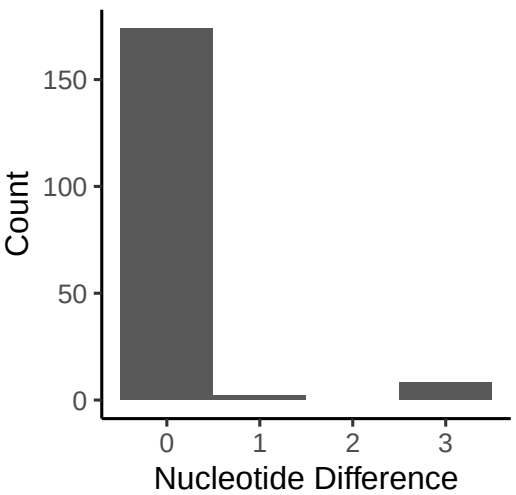
TRBV6−8*ap01

253 sequences assigned
250 (98.8%) exact matches, in which:
243 unique CDR3
13 unique J



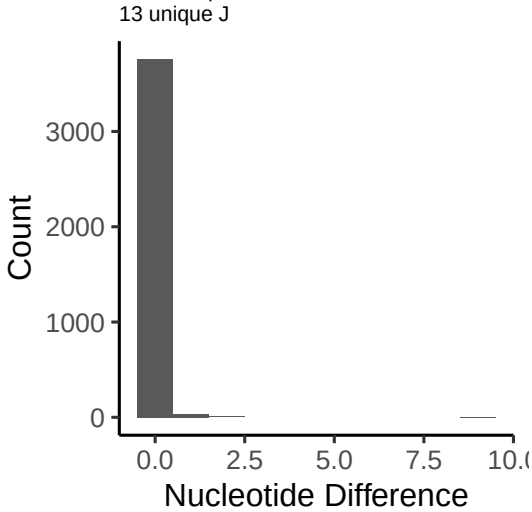
TRBV5−7*ap01

184 sequences assigned
174 (94.6%) exact matches, in which:
171 unique CDR3
13 unique J



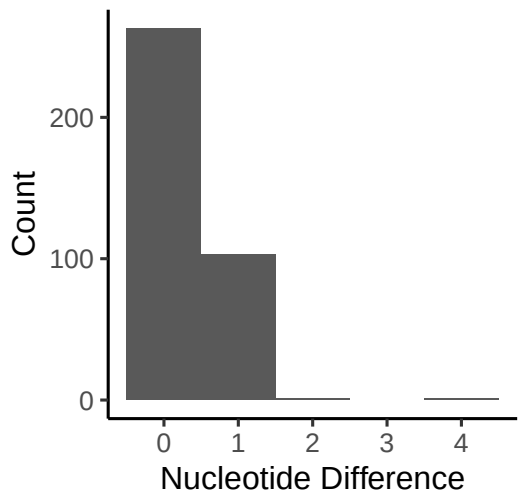
TRBV6−4*ap01

3801 sequences assigned
3760 (98.9%) exact matches, in which:
3711 unique CDR3
13 unique J



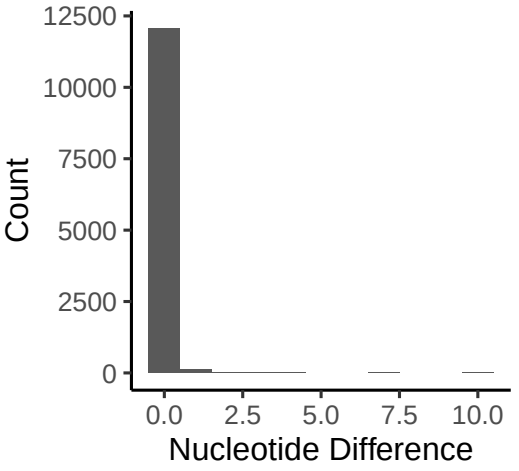
TRBV6−9*ap01

368 sequences assigned
263 (71.5%) exact matches, in which:
258 unique CDR3
13 unique J



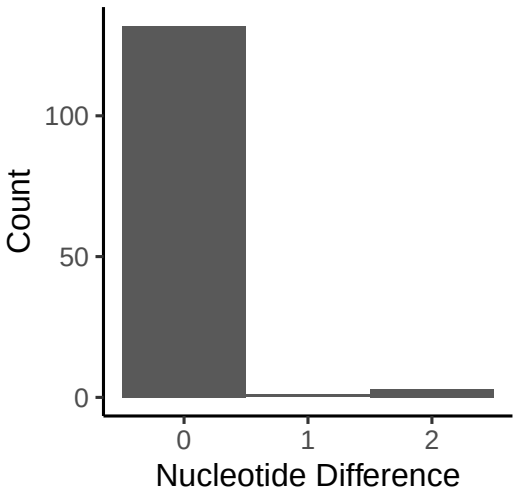
TRBV6−23*ap01

12216 sequences assigned
12072 (98.8%) exact matches, in which:
11798 unique CDR3
13 unique J



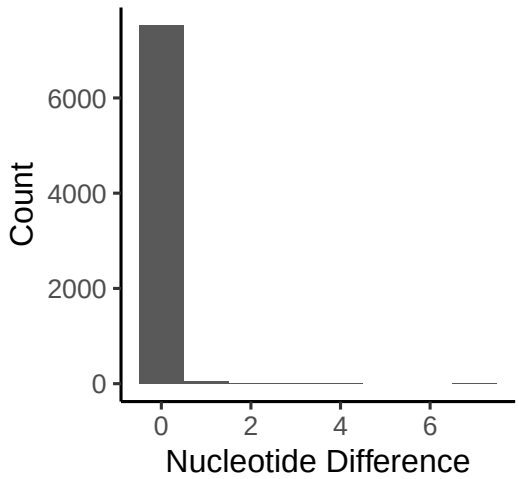
TRBV7−1*ap01_G291C_

136 sequences assigned
132 (97.1%) exact matches, in which:
130 unique CDR3
13 unique J



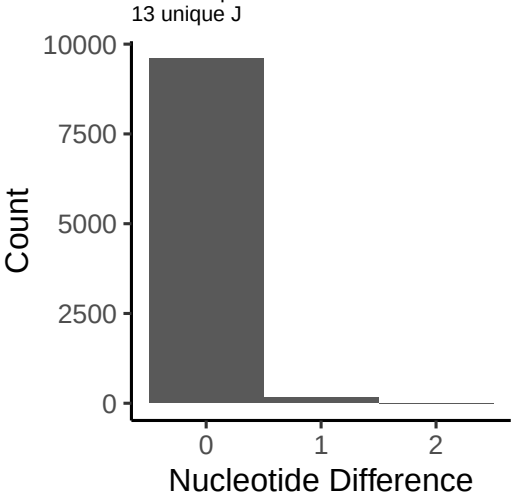
TRBV7−3*ap01

7592 sequences assigned
7523 (99.1%) exact matches, in which:
7417 unique CDR3
13 unique J



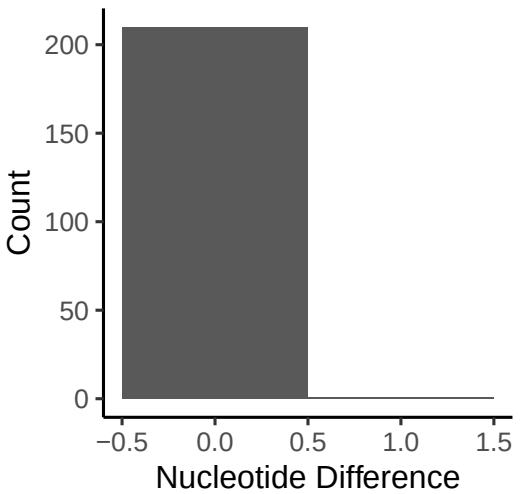
TRBV6−56*ap01

9769 sequences assigned
9601 (98.3%) exact matches, in which:
9358 unique CDR3
13 unique J



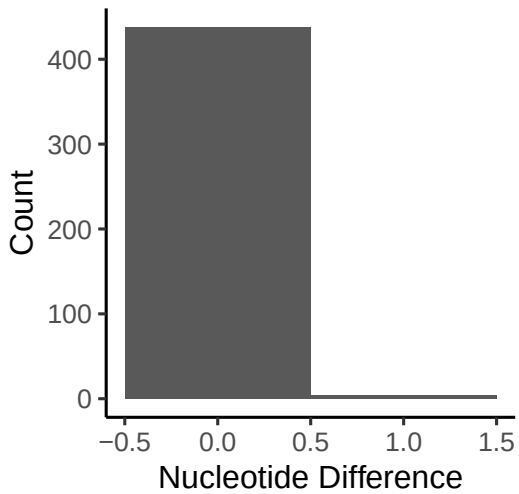
TRBV7−1*ap01_G291C_

211 sequences assigned
210 (99.5%) exact matches, in which:
208 unique CDR3
13 unique J



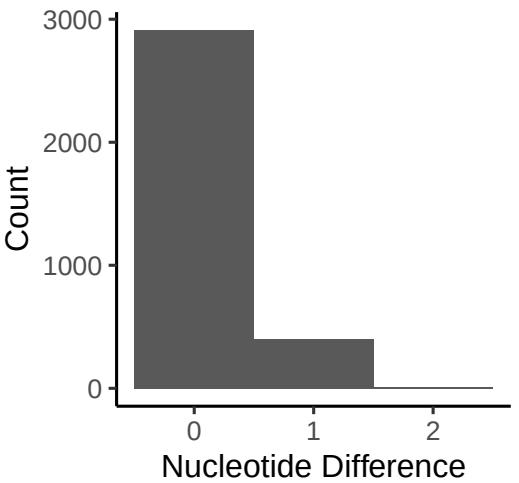
TRBV7−4*ap01

442 sequences assigned
438 (99.1%) exact matches, in which:
433 unique CDR3
13 unique J



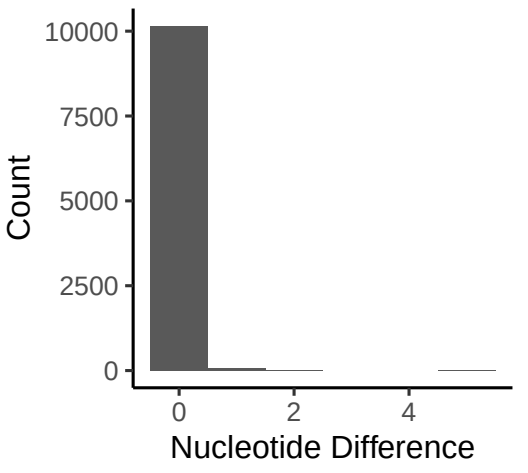
TRBV6−56*ap02

3324 sequences assigned
2912 (87.6%) exact matches, in which:
2845 unique CDR3
13 unique J



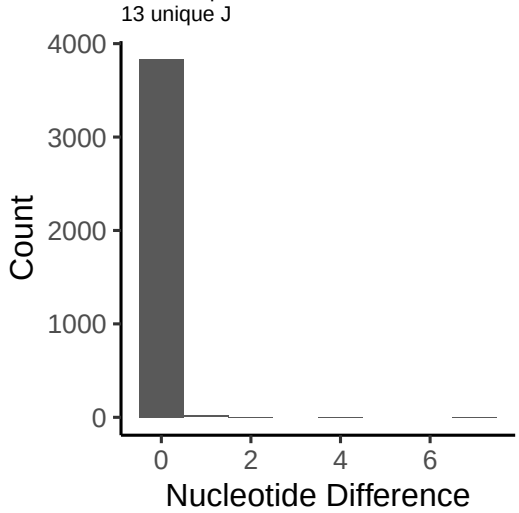
TRBV7−2*ap01

10246 sequences assigned
10158 (99.1%) exact matches, in which:
10055 unique CDR3
13 unique J



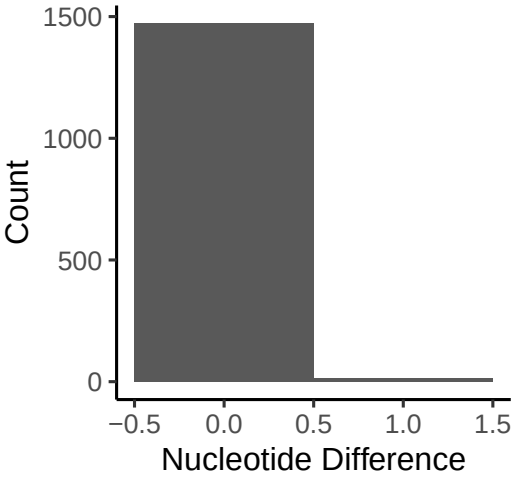
TRBV7−6*ap01

3859 sequences assigned
3835 (99.4%) exact matches, in which:
3796 unique CDR3
13 unique J



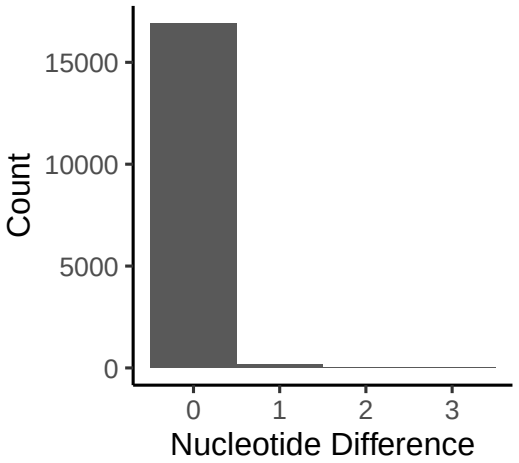
TRBV7−7*ap01

1486 sequences assigned
1472 (99.1%) exact matches, in which:
1462 unique CDR3
13 unique J



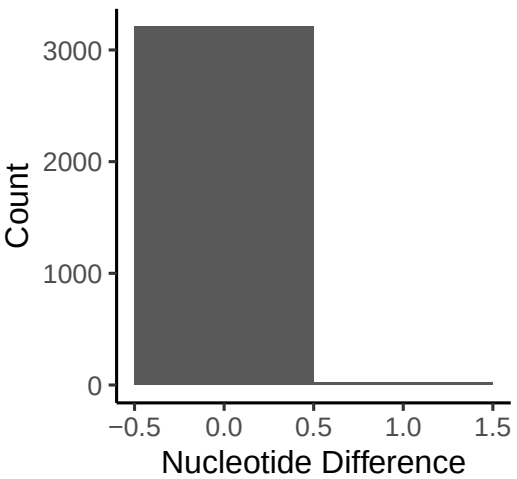
TRBV7−9*ap01

17084 sequences assigned
16923 (99.1%) exact matches, in which:
16734 unique CDR3
14 unique J



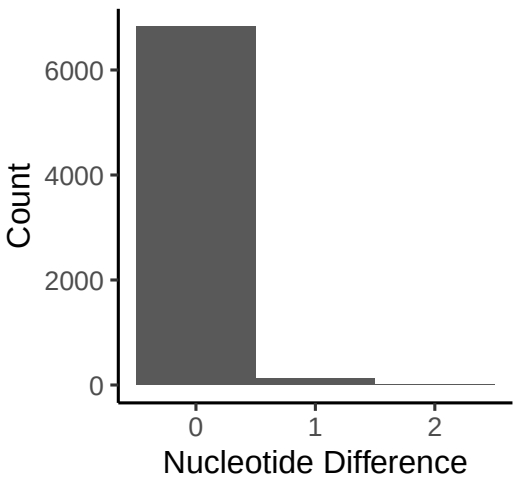
TRBV7−8*ap01

3234 sequences assigned
3208 (99.2%) exact matches, in which:
3155 unique CDR3
13 unique J



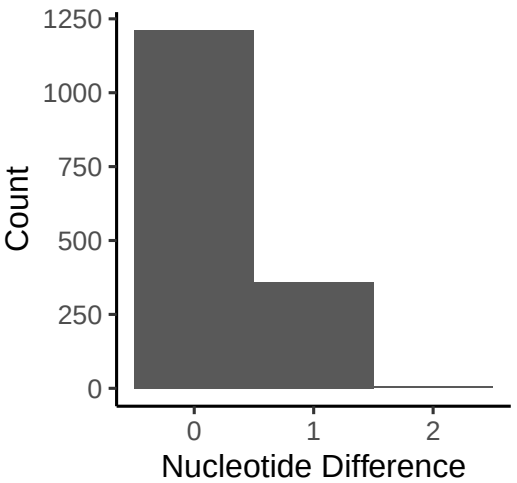
TRBV29−1*ap01

6946 sequences assigned
6824 (98.2%) exact matches, in which:
6641 unique CDR3
13 unique J



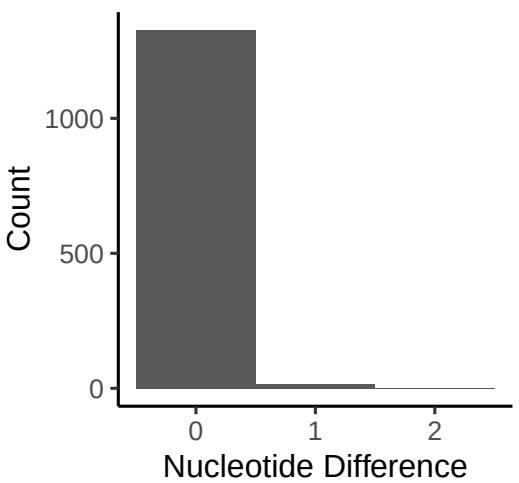
TRBV7−8*ap03

1577 sequences assigned
1212 (76.9%) exact matches, in which:
1195 unique CDR3
13 unique J

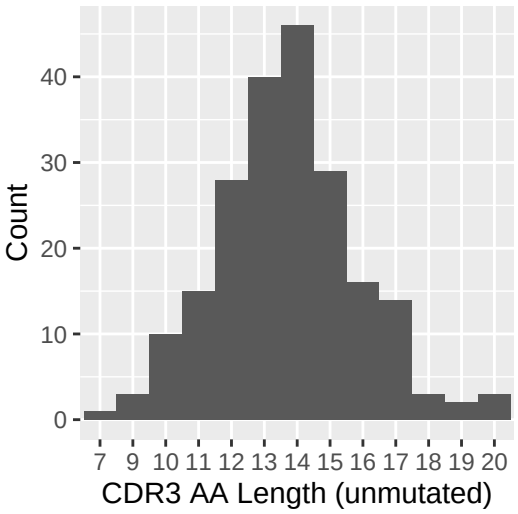


TRBV29−1*ap02

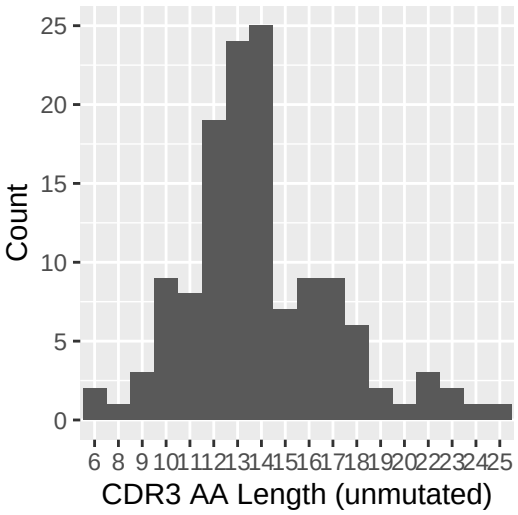
1344 sequences assigned
1327 (98.7%) exact matches, in which:
1284 unique CDR3
13 unique J



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

Warning − no inferred sequences found.

Warning − no inferred sequences found.

Warning − no inferred sequences found.