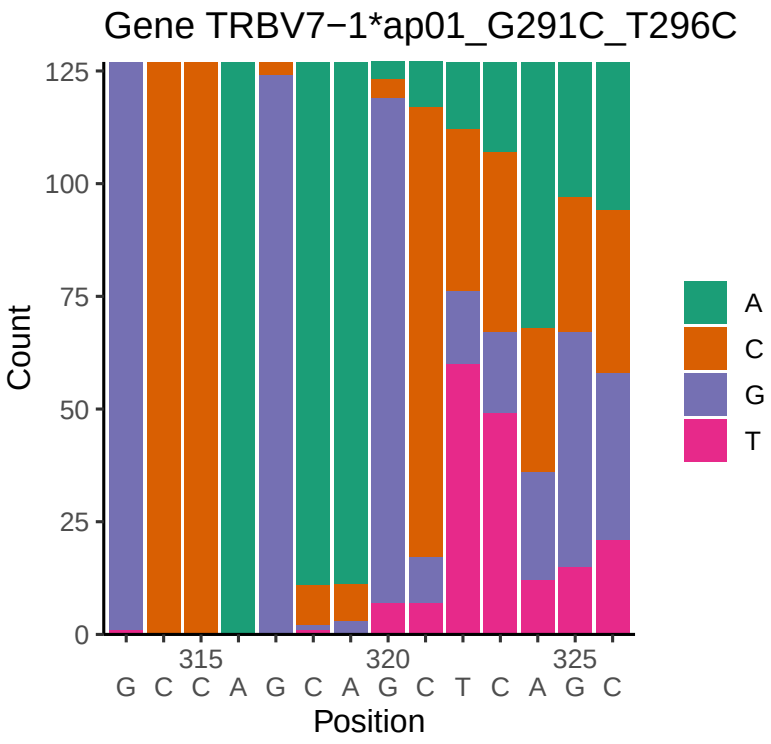
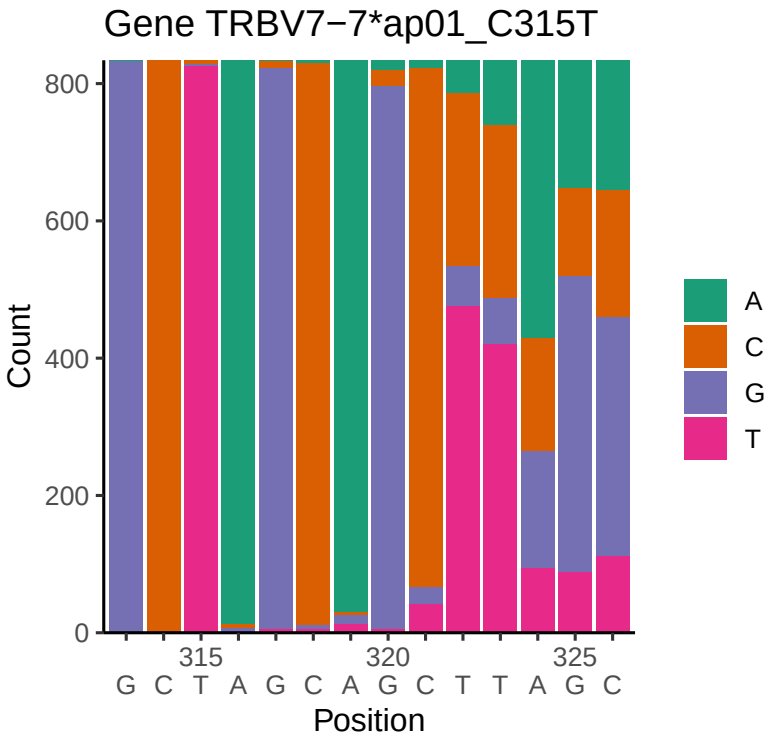
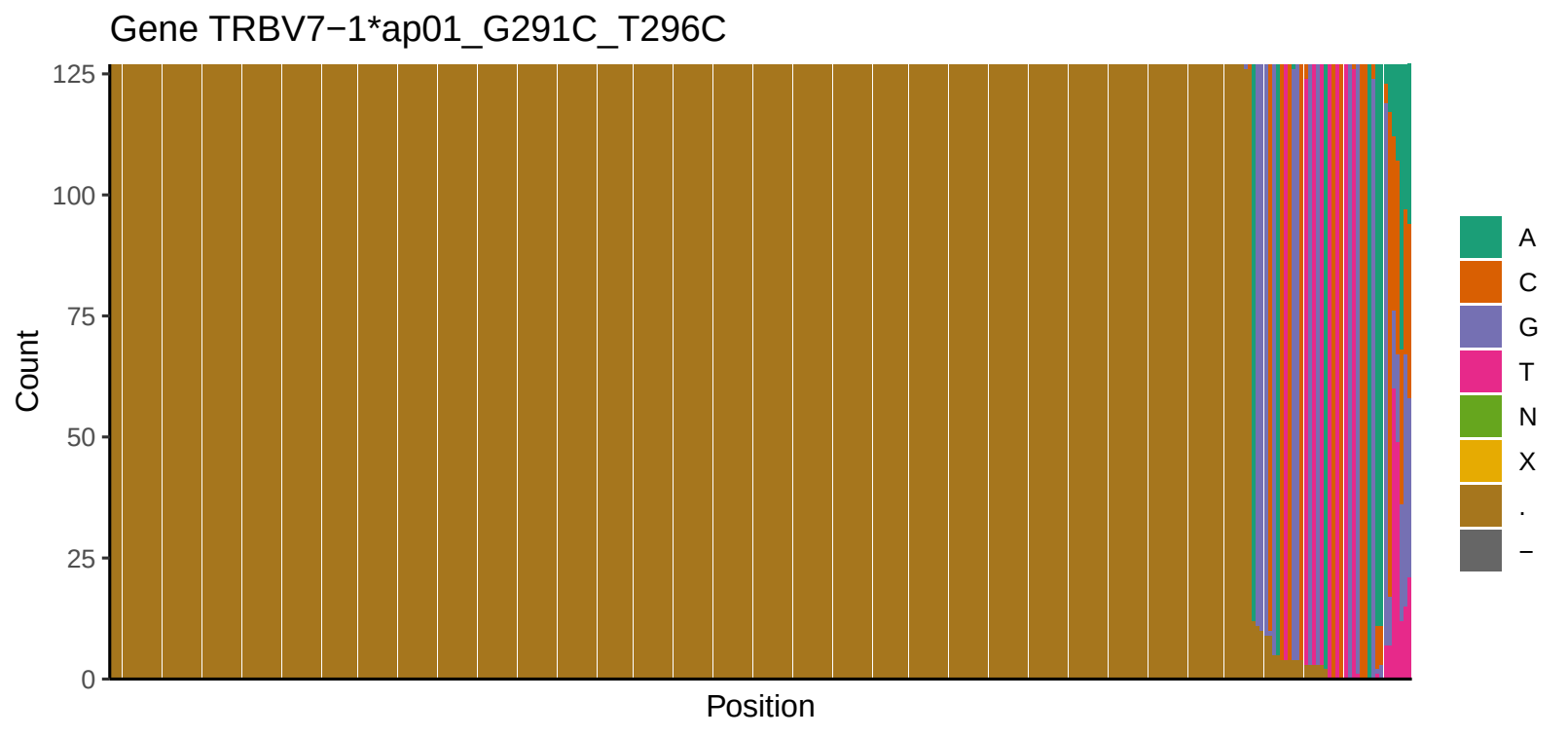
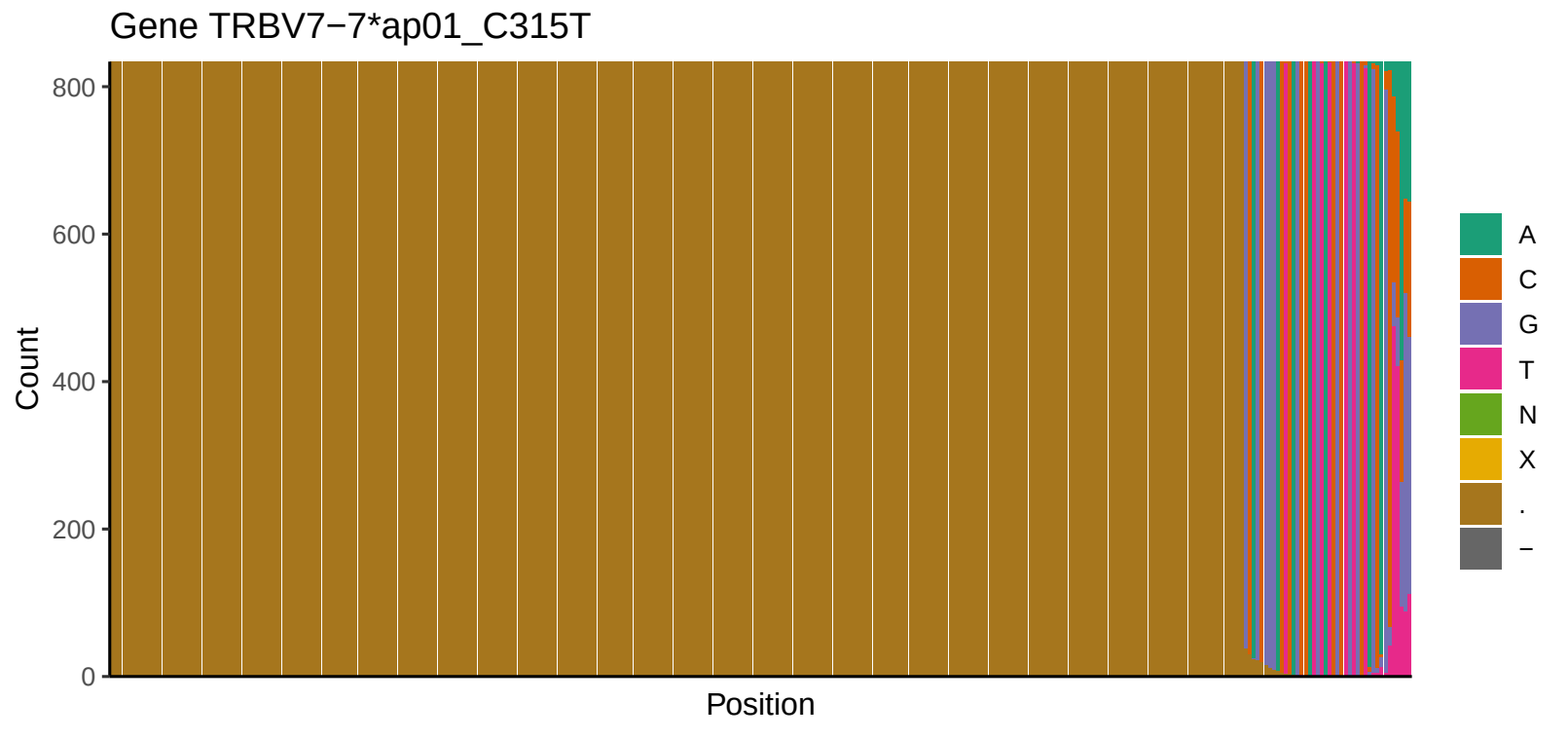
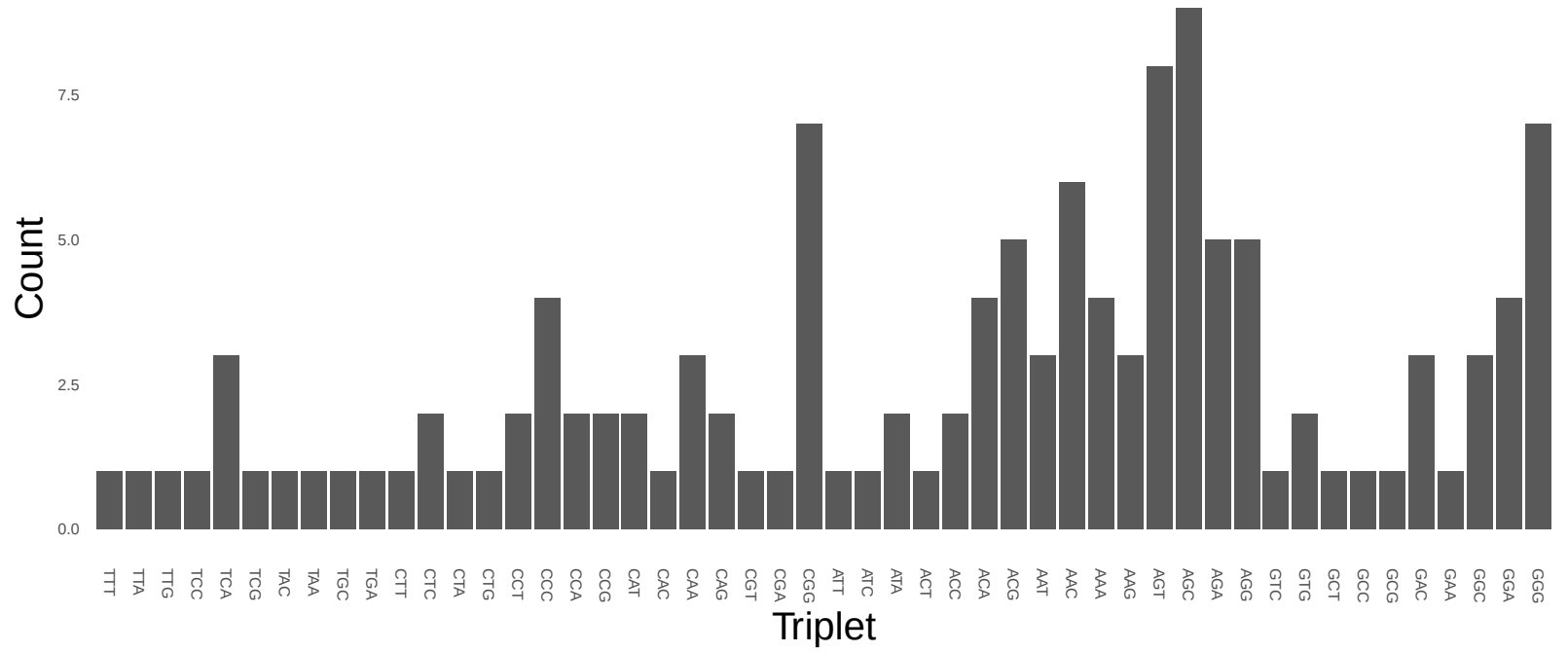

Gene TRBV7−1*ap01_G291C_T296C
Count
125
100
75
50
25
0
315
320
325
G C C A G C A G C T C A G C
Position
A
C
G
T


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

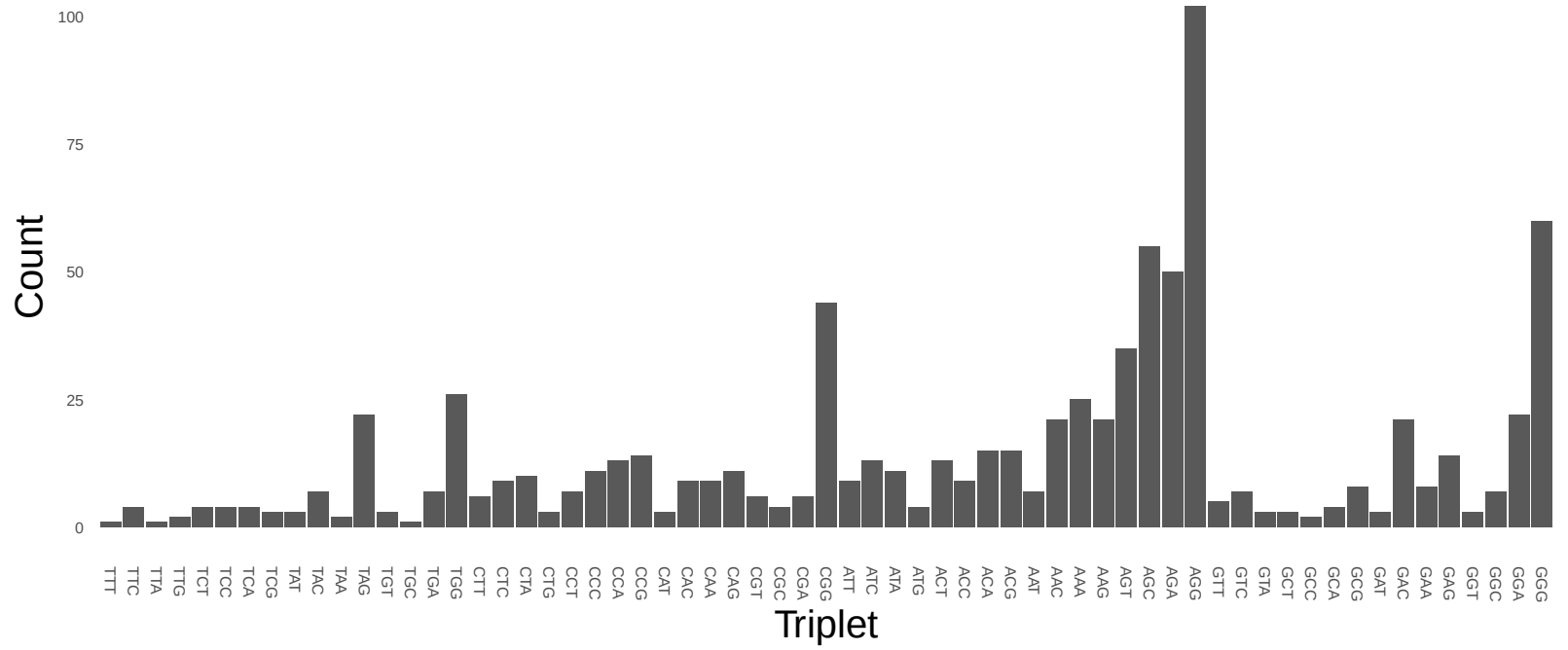

Gene TRBV7−1*ap01_G291C_T296C
125
100
75
50
25
0
Count
Position
A
C
G
T
N
X
.
–


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

TRBV7−1*ap01_G291C_T296C− Final 3 nucleotides as a triplet

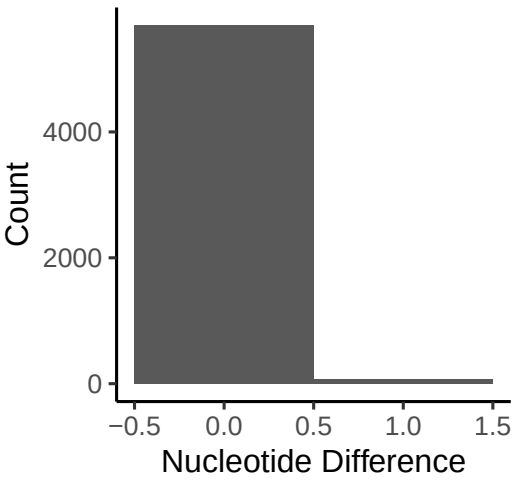


TRBV7−7*ap01_C315T− Final 3 nucleotides as a triplet



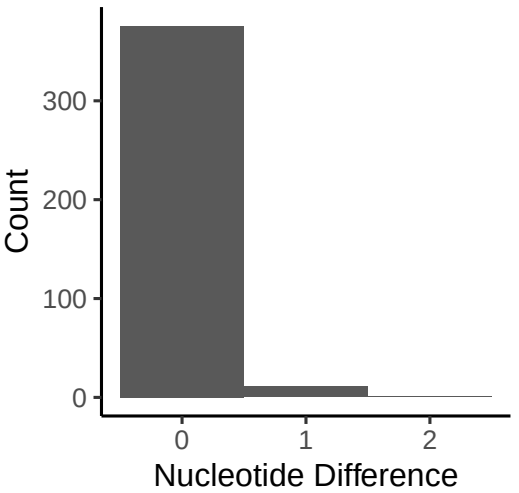
TRBV20−1*ap01

5771 sequences assigned
5692 (98.6%) exact matches, in which:
5539 unique CDR3
13 unique J



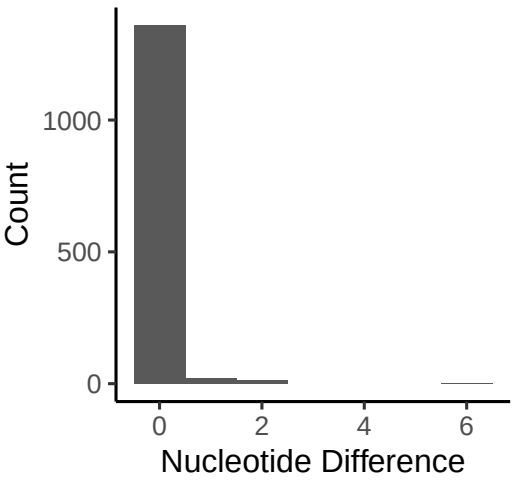
TRBV10−2*ap01

388 sequences assigned
376 (96.9%) exact matches, in which:
355 unique CDR3
13 unique J



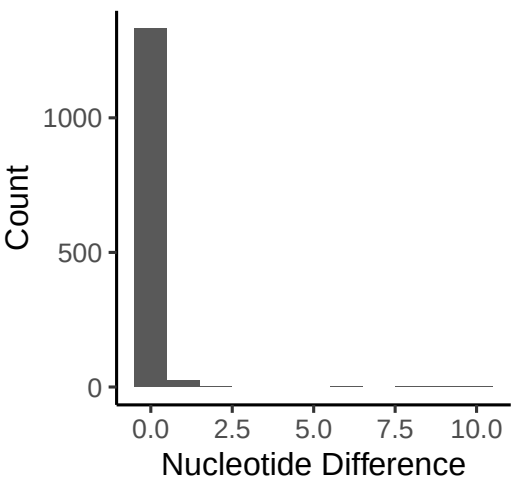
TRBV13*ap01

1394 sequences assigned
1359 (97.5%) exact matches, in which:
1313 unique CDR3
13 unique J



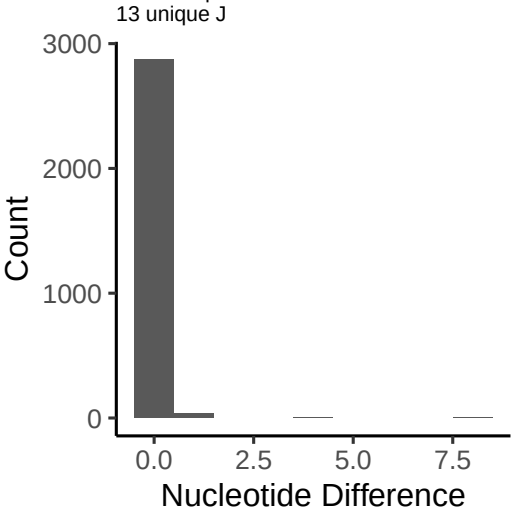
TRBV10−1*ap01

1359 sequences assigned
1331 (97.9%) exact matches, in which:
1283 unique CDR3
13 unique J



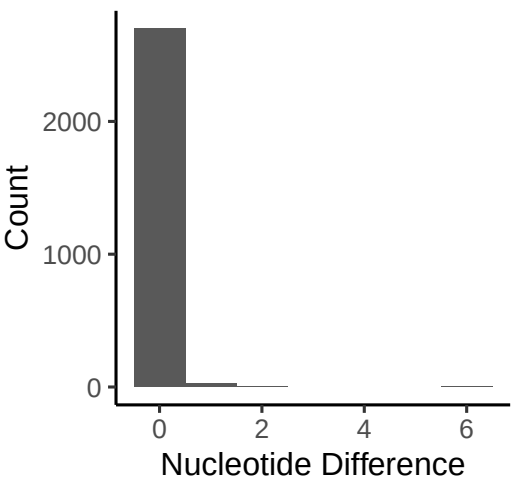
TRBV10−3*ap01

2906 sequences assigned
2871 (98.8%) exact matches, in which:
2772 unique CDR3
13 unique J



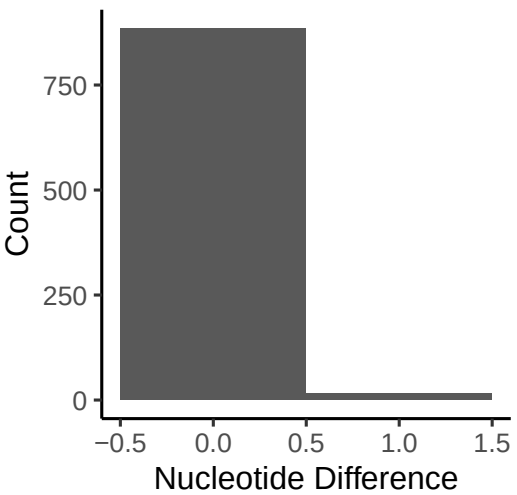
TRBV14*ap01

2725 sequences assigned
2698 (99%) exact matches, in which:
2621 unique CDR3
13 unique J



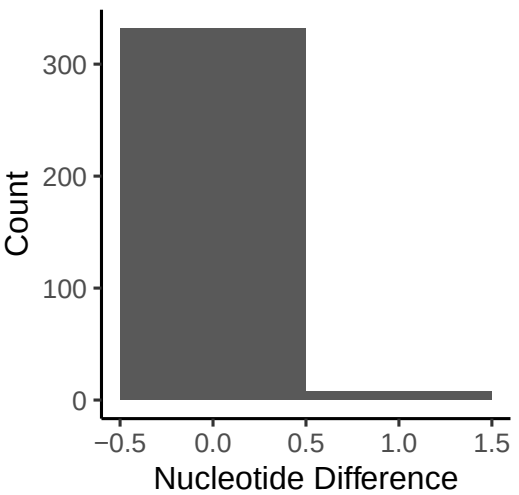
TRBV20−1*ap02

900 sequences assigned
885 (98.3%) exact matches, in which:
851 unique CDR3
13 unique J



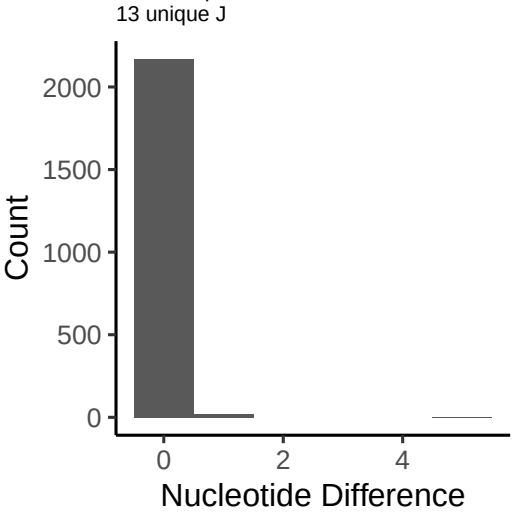
TRBV1*ap01

340 sequences assigned
332 (97.6%) exact matches, in which:
319 unique CDR3
13 unique J



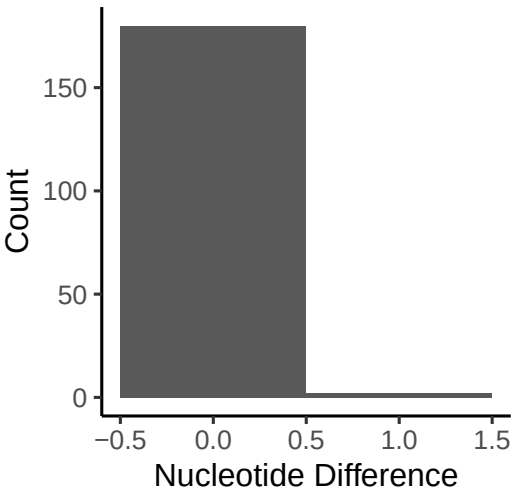
TRBV15*ap02

2191 sequences assigned
2169 (99%) exact matches, in which:
2093 unique CDR3
13 unique J



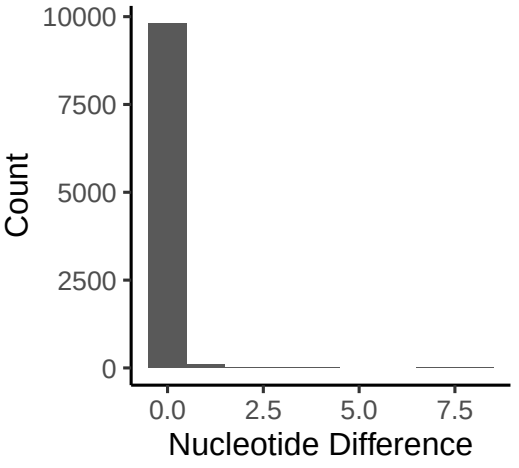
TRBV16*ap01

182 sequences assigned
180 (98.9%) exact matches, in which:
174 unique CDR3
13 unique J



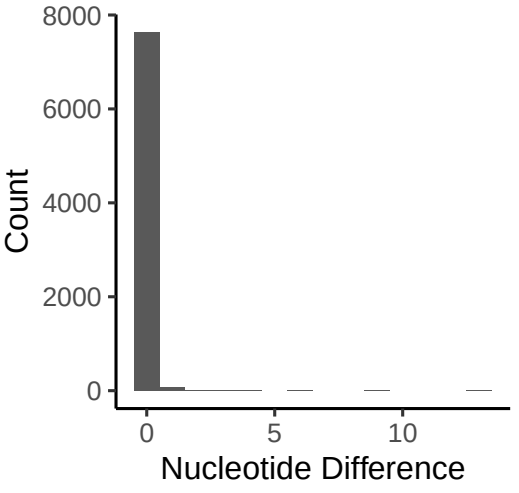
TRBV19*ap01

9935 sequences assigned
9815 (98.8%) exact matches, in which:
9601 unique CDR3
13 unique J



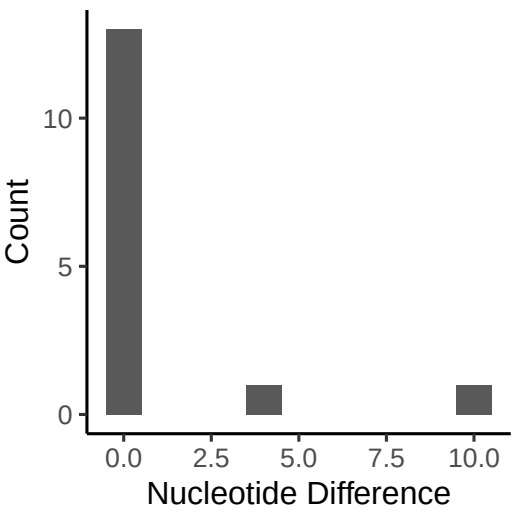
TRBV27*ap01

7721 sequences assigned
7629 (98.8%) exact matches, in which:
7380 unique CDR3
13 unique J



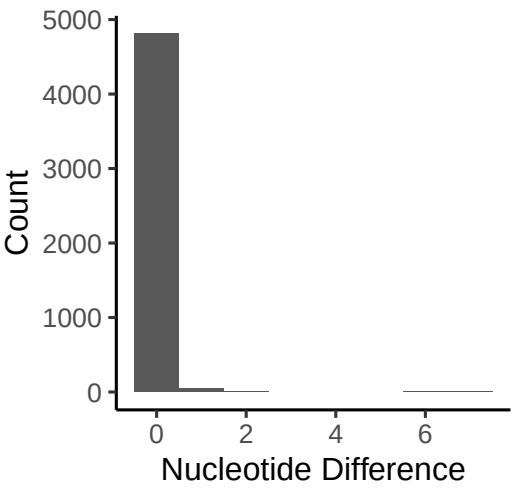
TRBV17*ap01

15 sequences assigned
13 (86.7%) exact matches, in which:
13 unique CDR3
8 unique J



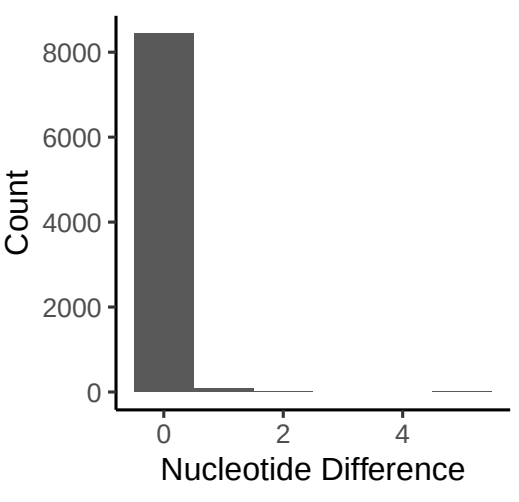
TRBV2*ap01

4857 sequences assigned
4810 (99%) exact matches, in which:
4649 unique CDR3
13 unique J



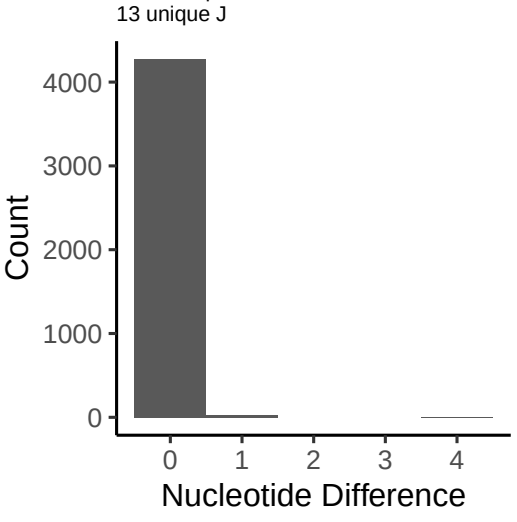
TRBV28*ap01

8516 sequences assigned
8435 (99%) exact matches, in which:
8202 unique CDR3
13 unique J



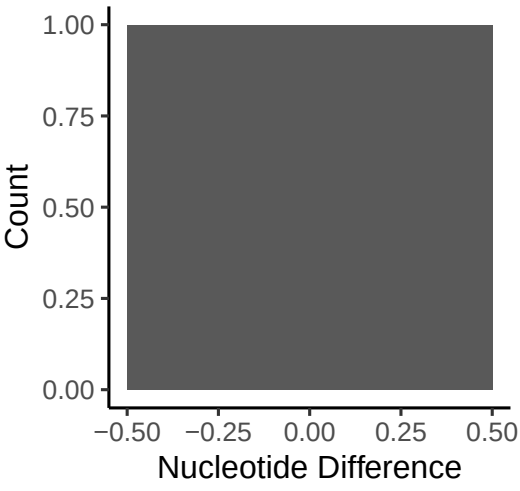
TRBV18*ap01

4304 sequences assigned
4275 (99.3%) exact matches, in which:
4198 unique CDR3
13 unique J



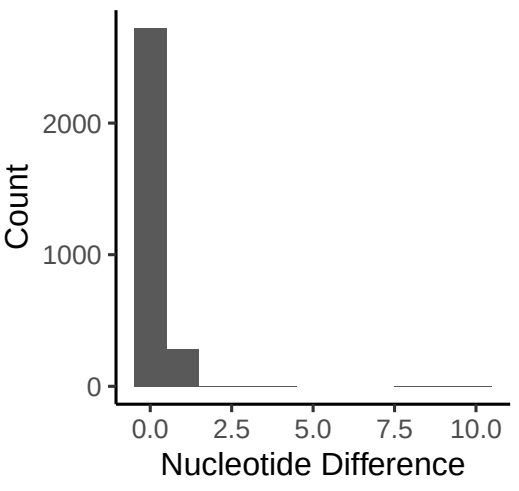
TRBV26*ap01

1 sequences assigned
1 (100%) exact matches, in which:
1 unique CDR3
1 unique J



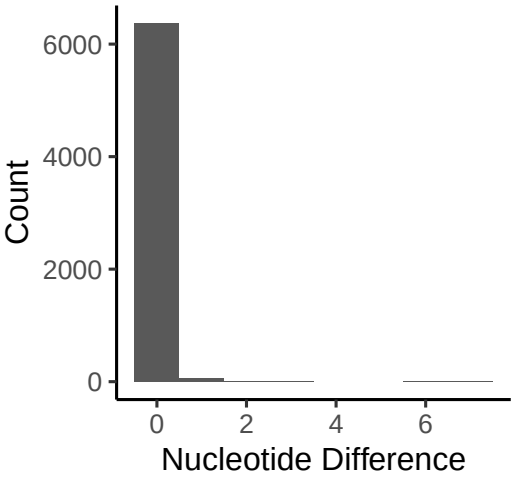
TRBV30*ap01

3012 sequences assigned
2722 (90.4%) exact matches, in which:
2653 unique CDR3
13 unique J



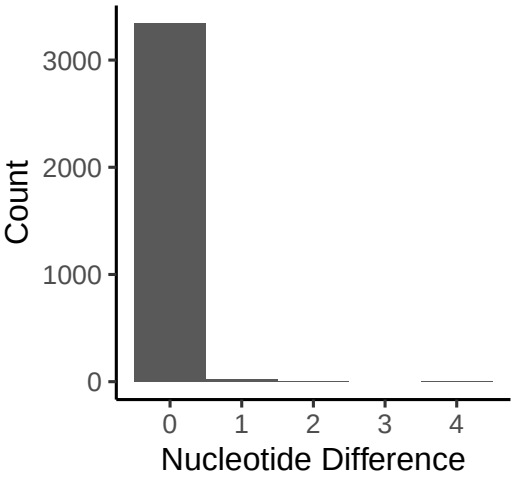
TRBV9*ap01

6426 sequences assigned
6368 (99.1%) exact matches, in which:
6198 unique CDR3
13 unique J



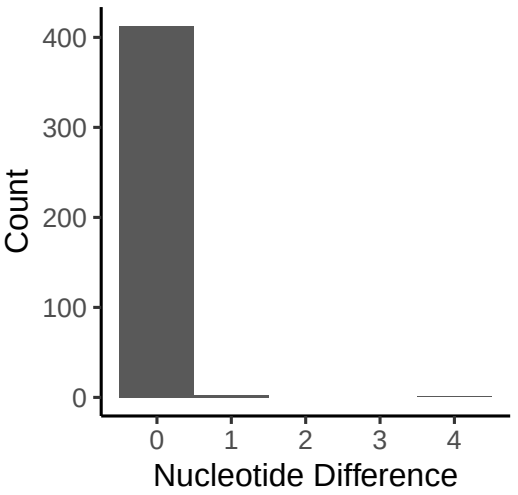
TRBV11−2*ap01

3368 sequences assigned
3342 (99.2%) exact matches, in which:
3274 unique CDR3
13 unique J



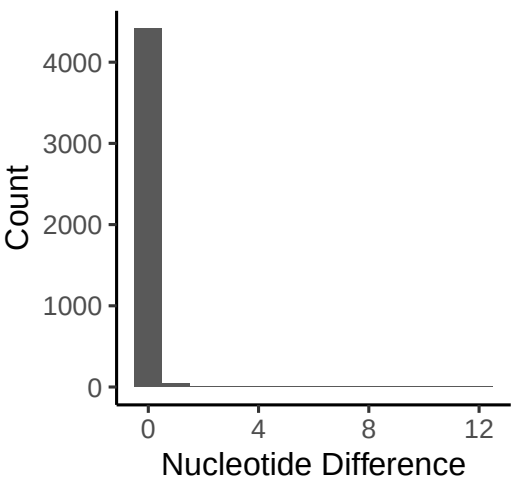
TRBV12−2*ap01

417 sequences assigned
413 (99%) exact matches, in which:
399 unique CDR3
13 unique J



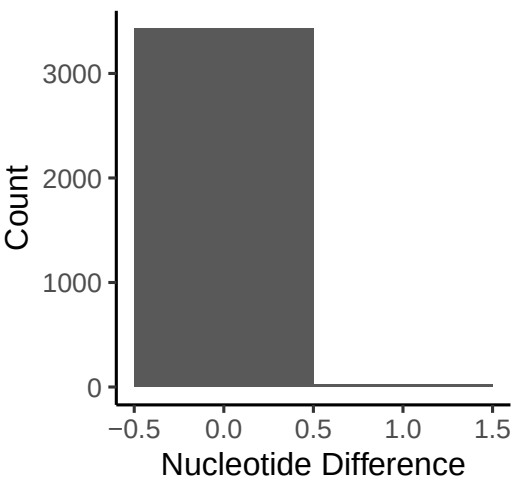
TRBV21−1*ap01

4481 sequences assigned
4412 (98.5%) exact matches, in which:
4312 unique CDR3
13 unique J



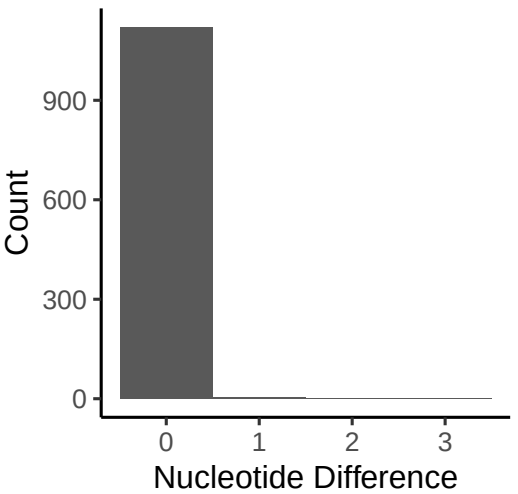
TRBV11−3*ap01

3451 sequences assigned
3428 (99.3%) exact matches, in which:
3363 unique CDR3
13 unique J



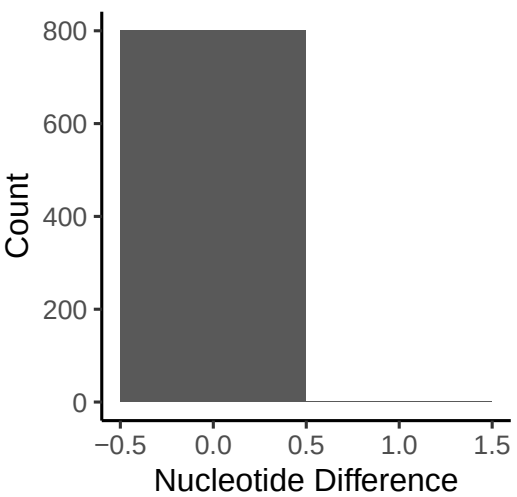
TRBV12−5*ap01

1129 sequences assigned
1121 (99.3%) exact matches, in which:
1084 unique CDR3
13 unique J



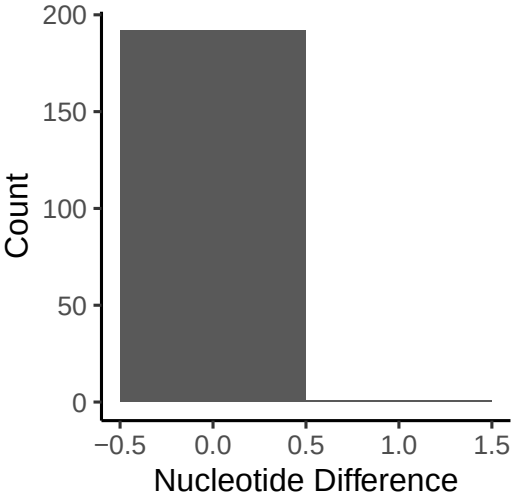
TRBV11−1*ap01

803 sequences assigned
801 (99.8%) exact matches, in which:
787 unique CDR3
13 unique J



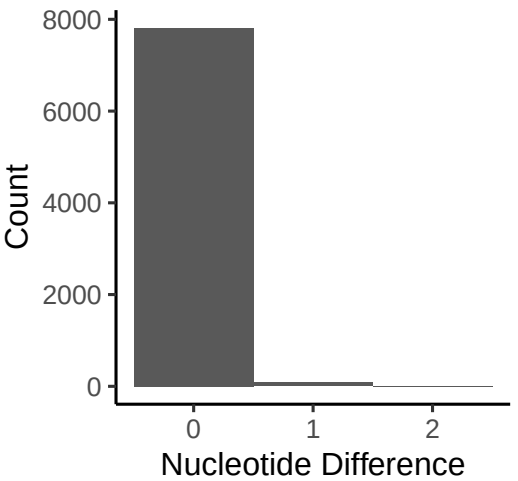
TRBV12−1*ap01

193 sequences assigned
192 (99.5%) exact matches, in which:
187 unique CDR3
13 unique J



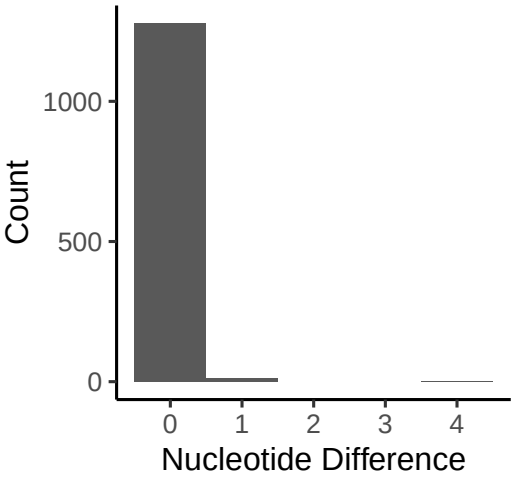
TRBV12−34*ap01

7893 sequences assigned
7810 (98.9%) exact matches, in which:
7592 unique CDR3
13 unique J



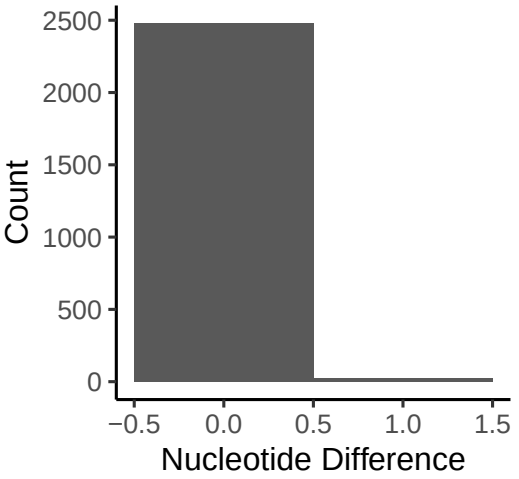
TRBV23−1*ap01

1293 sequences assigned
1278 (98.8%) exact matches, in which:
1237 unique CDR3
13 unique J



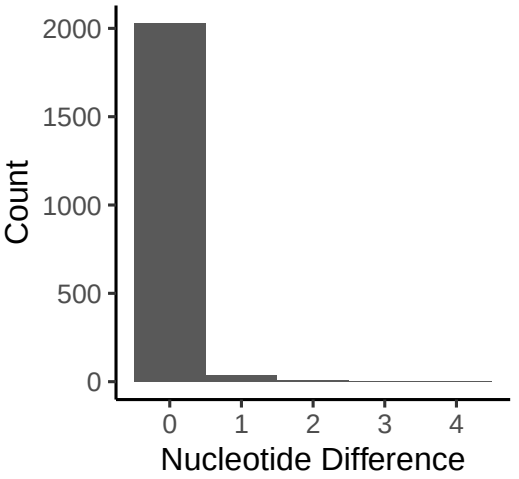
TRBV4−1*ap01

2502 sequences assigned
2478 (99%) exact matches, in which:
2369 unique CDR3
13 unique J



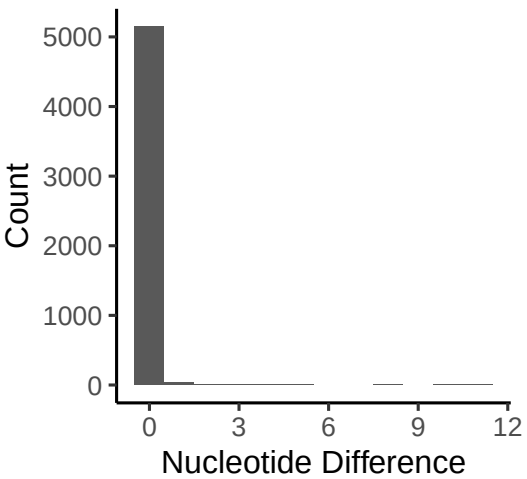
TRBV25−1*ap01

2076 sequences assigned
2028 (97.7%) exact matches, in which:
1955 unique CDR3
13 unique J



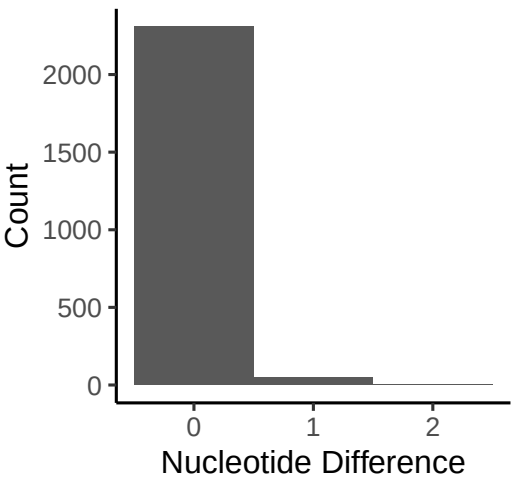
TRBV3−12*ap01

5190 sequences assigned
5146 (99.2%) exact matches, in which:
5050 unique CDR3
13 unique J



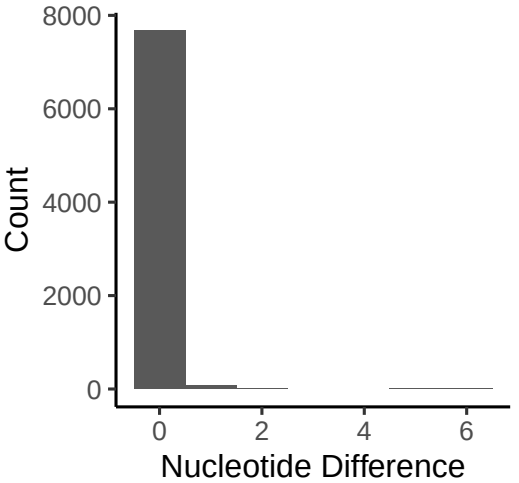
TRBV4−2*ap01

2360 sequences assigned
2308 (97.8%) exact matches, in which:
2225 unique CDR3
13 unique J



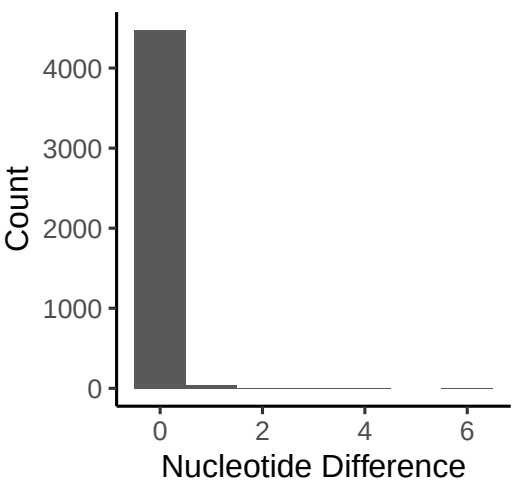
TRBV5−1*ap01

7748 sequences assigned
7671 (99%) exact matches, in which:
7387 unique CDR3
13 unique J



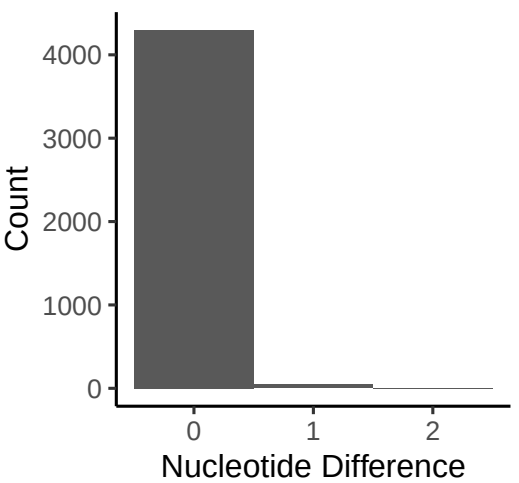
TRBV24−1*ap01

4526 sequences assigned
4475 (98.9%) exact matches, in which:
4356 unique CDR3
13 unique J



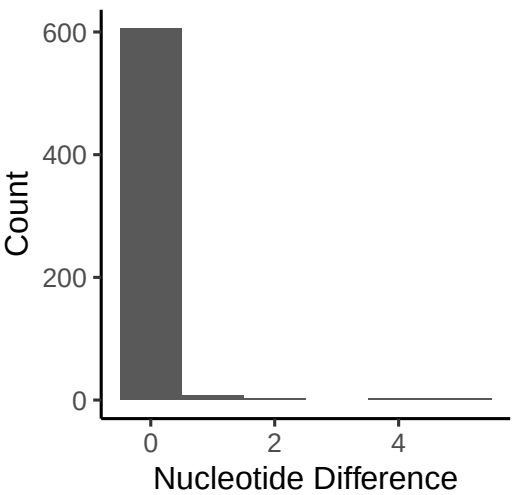
TRBV4−3*ap01

4346 sequences assigned
4297 (98.9%) exact matches, in which:
4145 unique CDR3
13 unique J



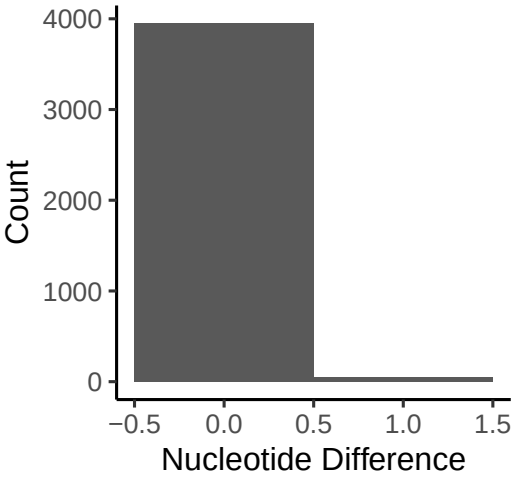
TRBV5−3*ap01

620 sequences assigned
606 (97.7%) exact matches, in which:
584 unique CDR3
13 unique J



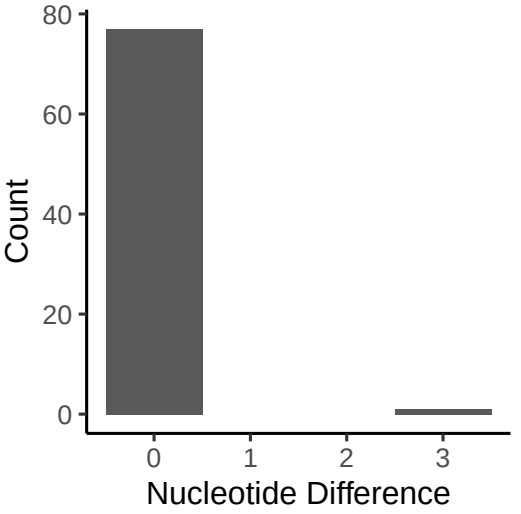
TRBV5−4*ap01

3998 sequences assigned
3949 (98.8%) exact matches, in which:
3820 unique CDR3
13 unique J



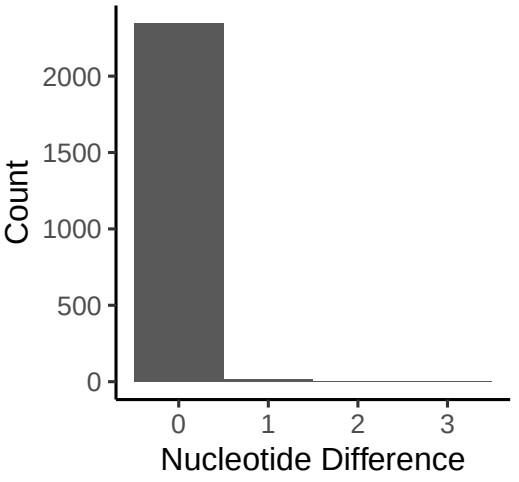
TRBV5−7*ap01

78 sequences assigned
77 (98.7%) exact matches, in which:
76 unique CDR3
13 unique J



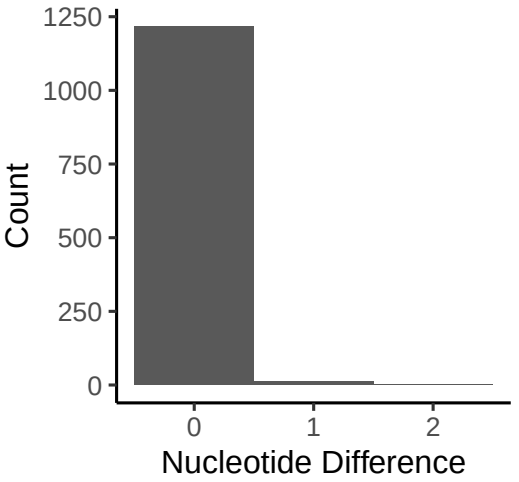
TRBV6−4*ap01

2370 sequences assigned
2345 (98.9%) exact matches, in which:
2290 unique CDR3
13 unique J



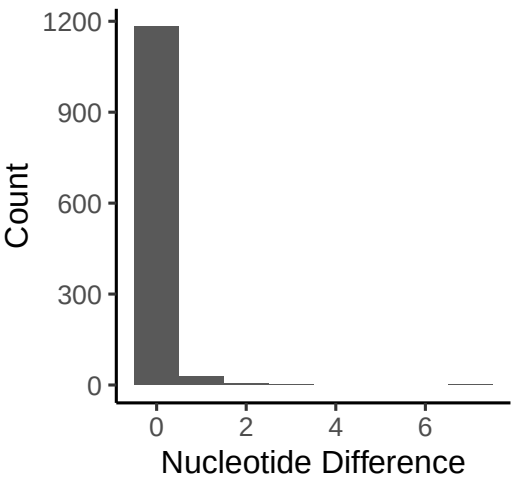
TRBV5−5*ap01

1229 sequences assigned
1216 (98.9%) exact matches, in which:
1200 unique CDR3
13 unique J



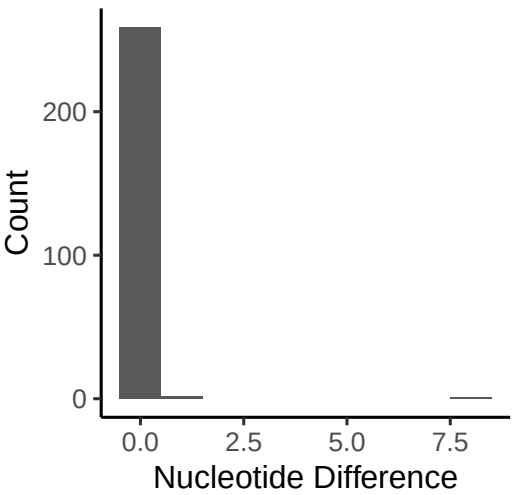
TRBV5−8*ap01

1217 sequences assigned
1182 (97.1%) exact matches, in which:
1145 unique CDR3
13 unique J



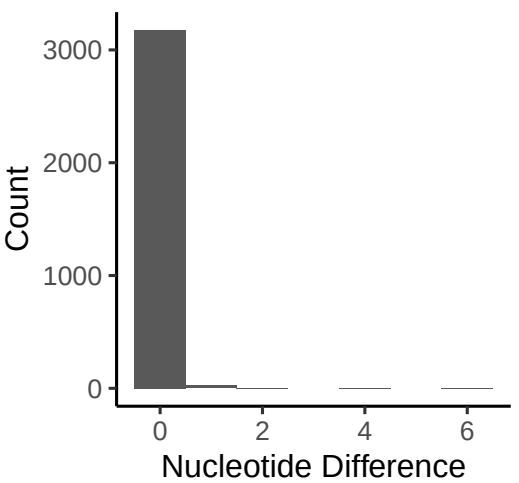
TRBV6−7*ap01

262 sequences assigned
259 (98.9%) exact matches, in which:
251 unique CDR3
13 unique J



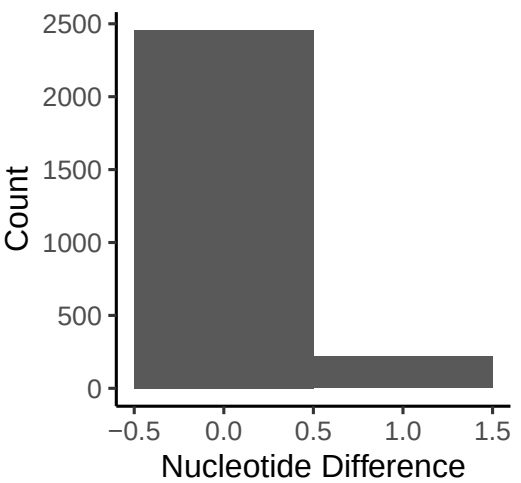
TRBV5−6*ap01

3206 sequences assigned
3176 (99.1%) exact matches, in which:
3066 unique CDR3
13 unique J



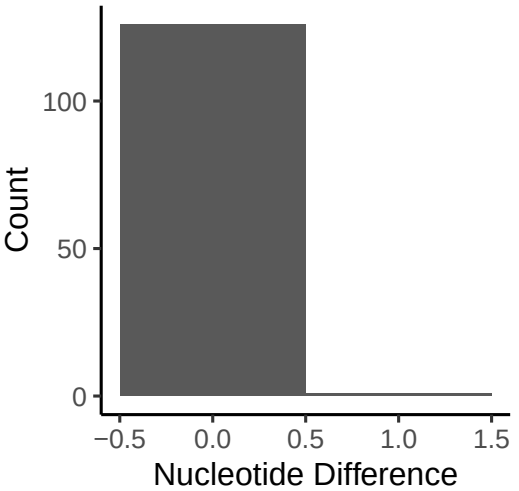
TRBV6−1*ap01

2676 sequences assigned
2457 (91.8%) exact matches, in which:
2362 unique CDR3
13 unique J



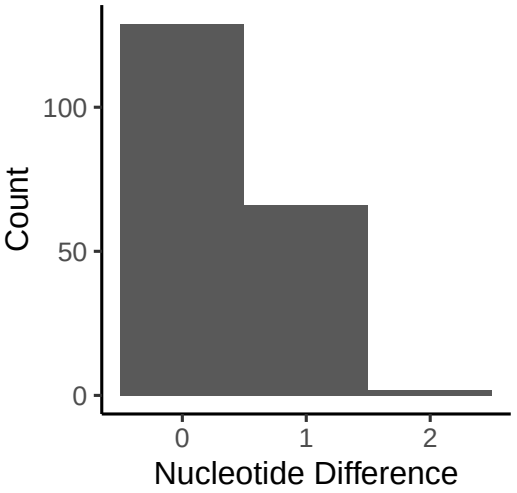
TRBV6−8*ap01

127 sequences assigned
126 (99.2%) exact matches, in which:
121 unique CDR3
11 unique J



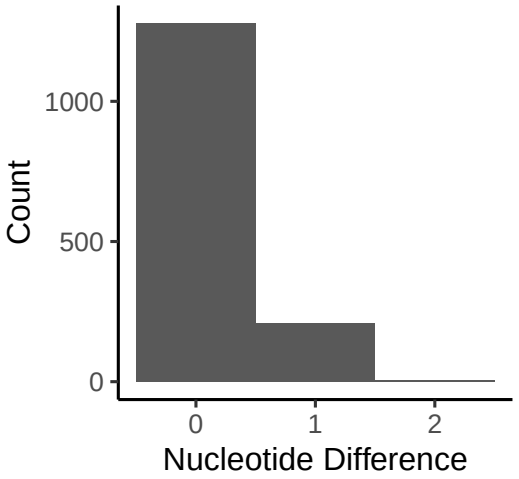
TRBV6−9*ap01

197 sequences assigned
129 (65.5%) exact matches, in which:
125 unique CDR3
12 unique J



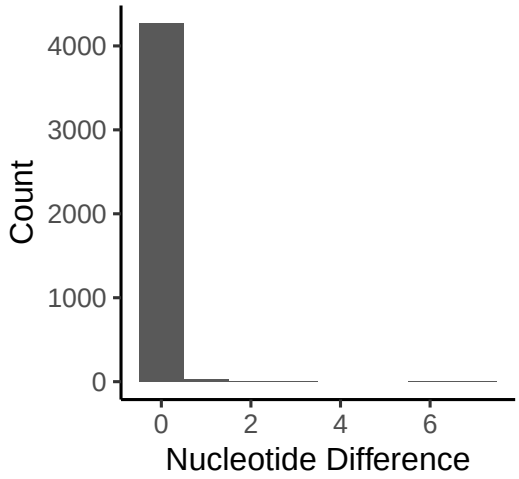
TRBV6−56*ap02

1491 sequences assigned
1278 (85.7%) exact matches, in which:
1227 unique CDR3
13 unique J



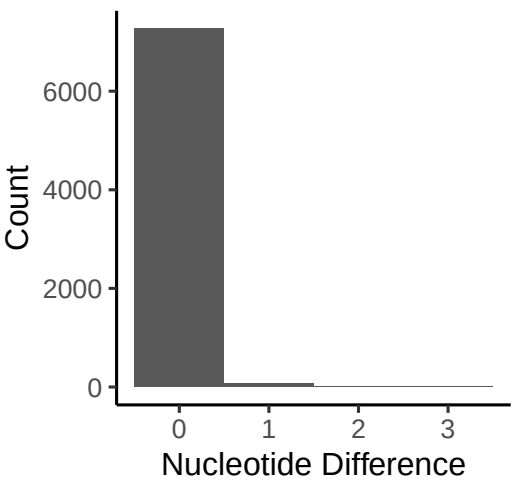
TRBV7−3*ap01

4300 sequences assigned
4268 (99.3%) exact matches, in which:
4180 unique CDR3
13 unique J



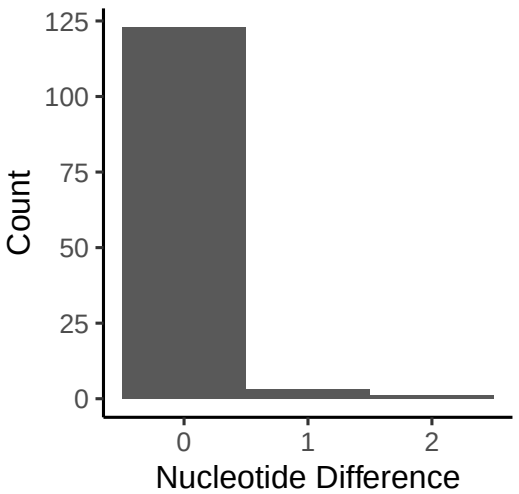
TRBV6−23*ap01

7349 sequences assigned
7267 (98.9%) exact matches, in which:
7008 unique CDR3
14 unique J



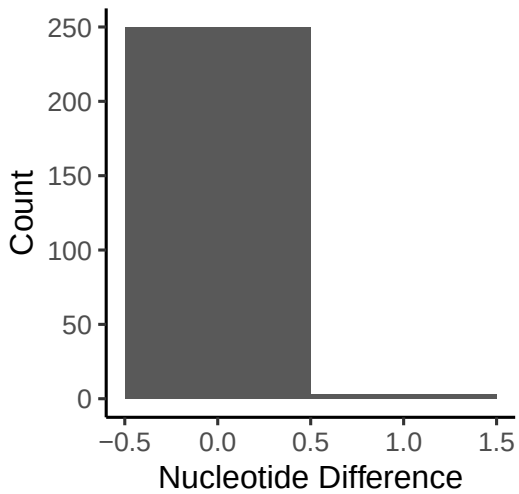
TRBV7−1*ap01_G291C_

127 sequences assigned
123 (96.9%) exact matches, in which:
121 unique CDR3
13 unique J



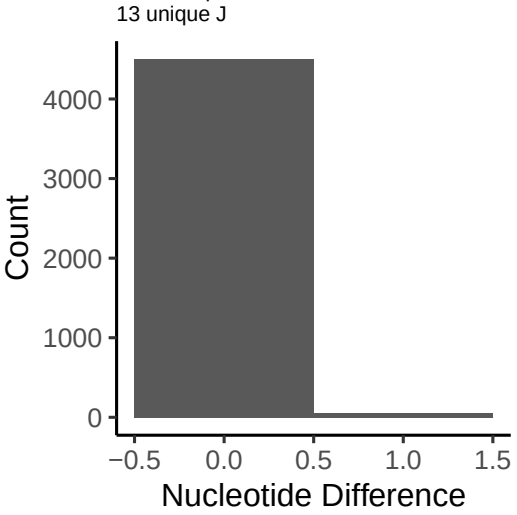
TRBV7−4*ap01

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



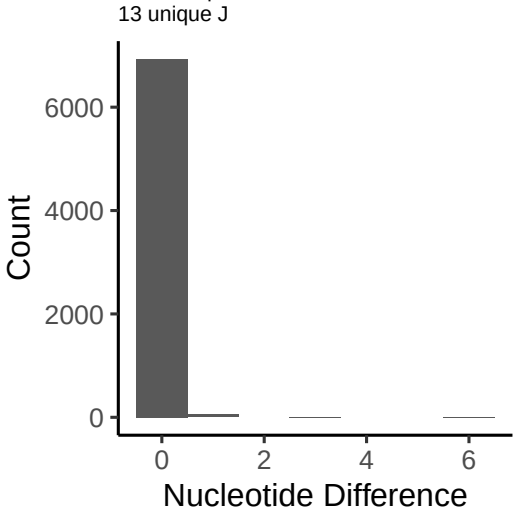
TRBV6−56*ap01

4560 sequences assigned
4502 (98.7%) exact matches, in which:
4337 unique CDR3
13 unique J



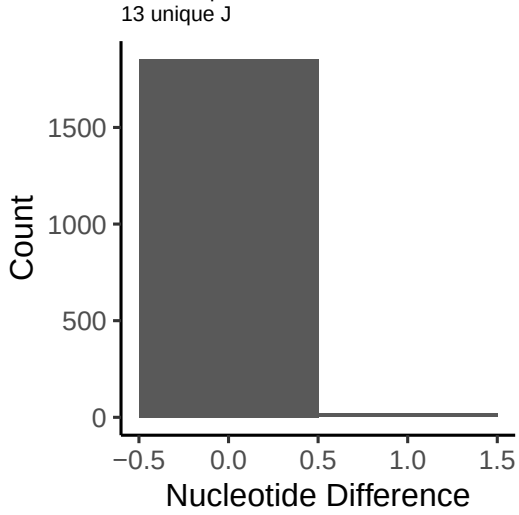
TRBV7−2*ap01

6985 sequences assigned
6931 (99.2%) exact matches, in which:
6735 unique CDR3
13 unique J



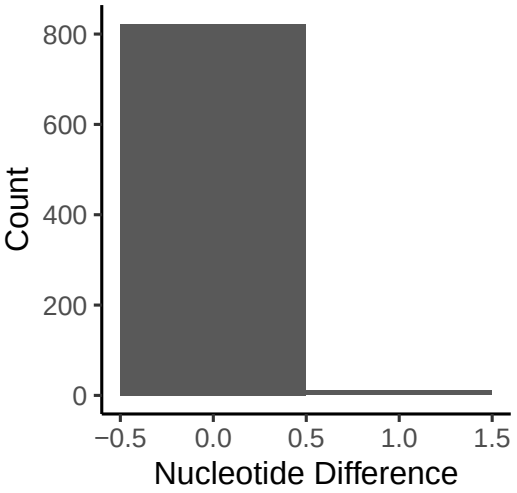
TRBV7−6*ap01

1874 sequences assigned
1854 (98.9%) exact matches, in which:
1798 unique CDR3
13 unique J



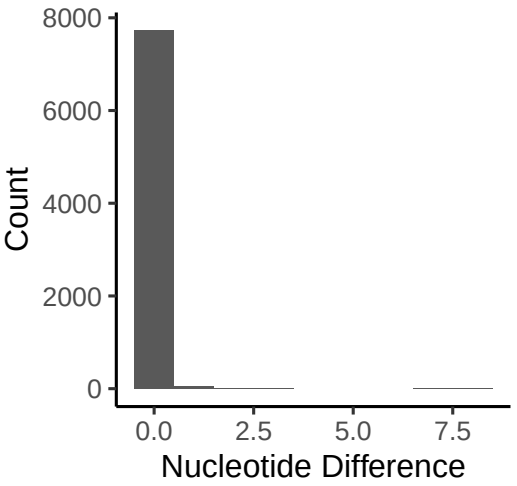
TRBV7−7*ap01_C315T

834 sequences assigned
823 (98.7%) exact matches, in which:
803 unique CDR3
13 unique J



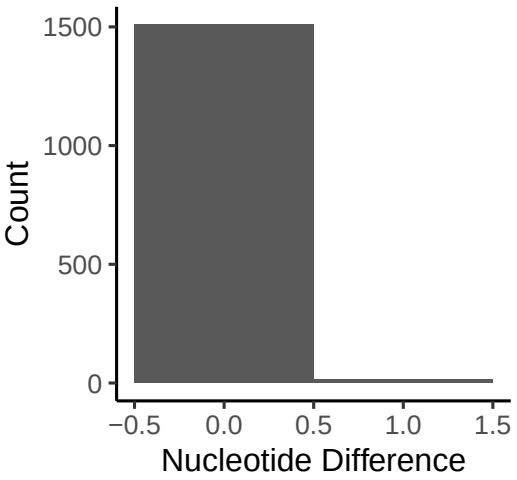
TRBV7−9*ap01

7793 sequences assigned
7728 (99.2%) exact matches, in which:
7524 unique CDR3
13 unique J



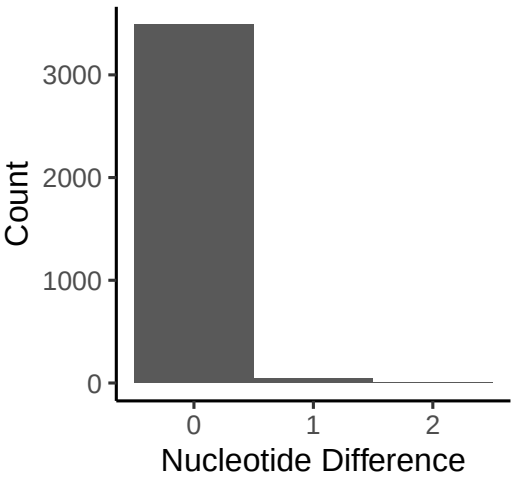
TRBV7−8*ap01

1524 sequences assigned
1509 (99%) exact matches, in which:
1459 unique CDR3
13 unique J



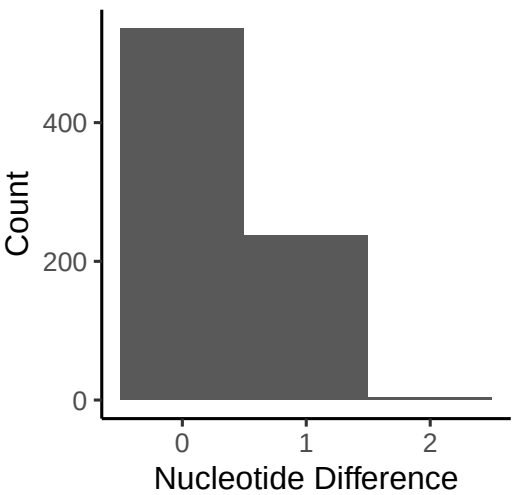
TRBV29−1*ap01

3530 sequences assigned
3488 (98.8%) exact matches, in which:
3362 unique CDR3
13 unique J



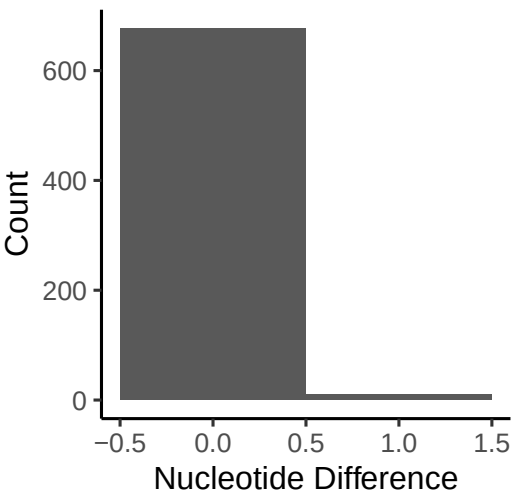
TRBV7−8*ap03

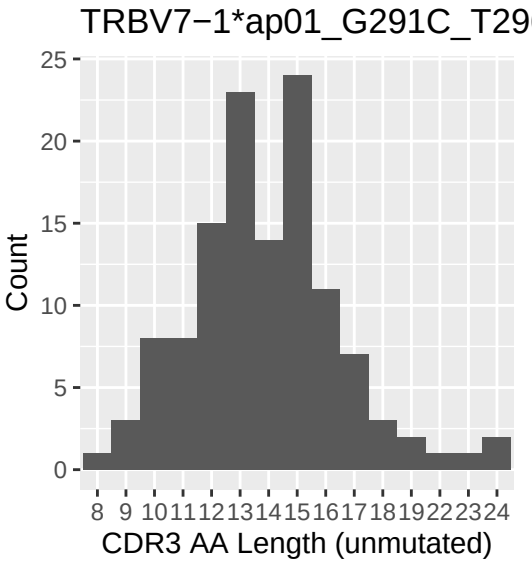
777 sequences assigned
536 (69%) exact matches, in which:
518 unique CDR3
13 unique J

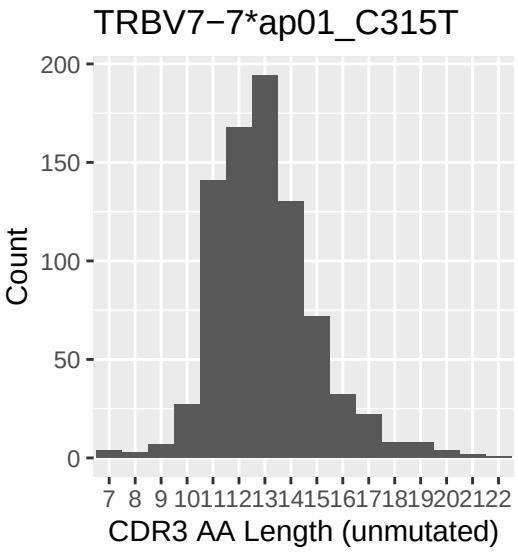


TRBV29−1*ap02

687 sequences assigned
677 (98.5%) exact matches, in which:
650 unique CDR3
13 unique J




TRBV7−1*ap01_G291C_T296C
Count
25
20
15
10
5
0
8 9 10 11 12 13 14 15 16 17 18 19 22 23 24
CDR3 AA Length (unmutated)


TRBV7−7*ap01_C315T
Count
200
150
100
50
0
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.