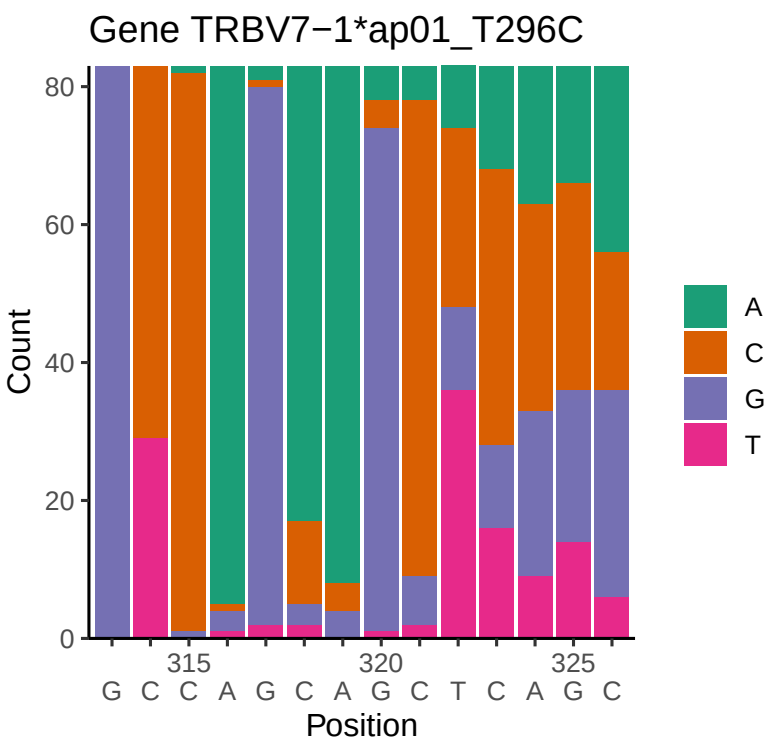
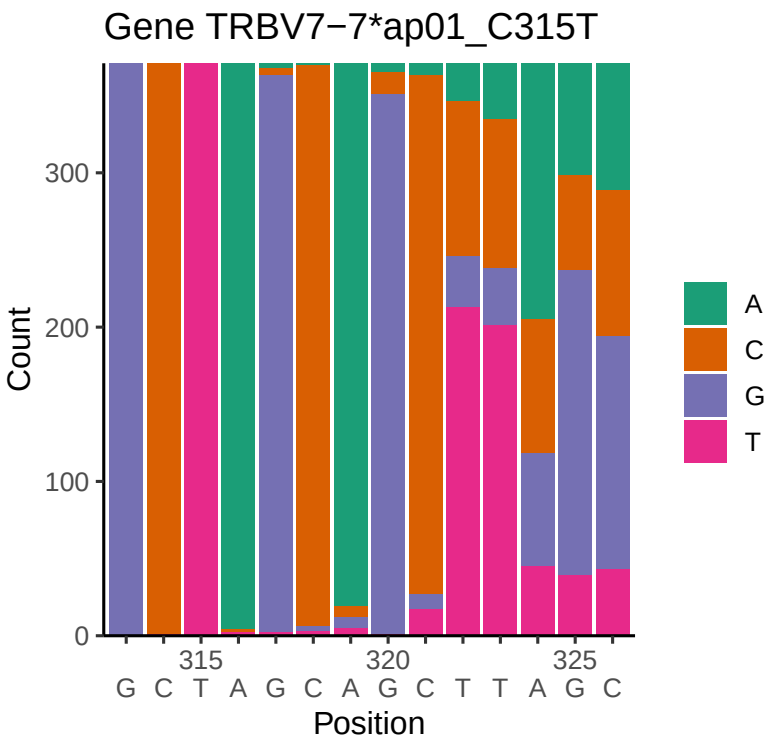
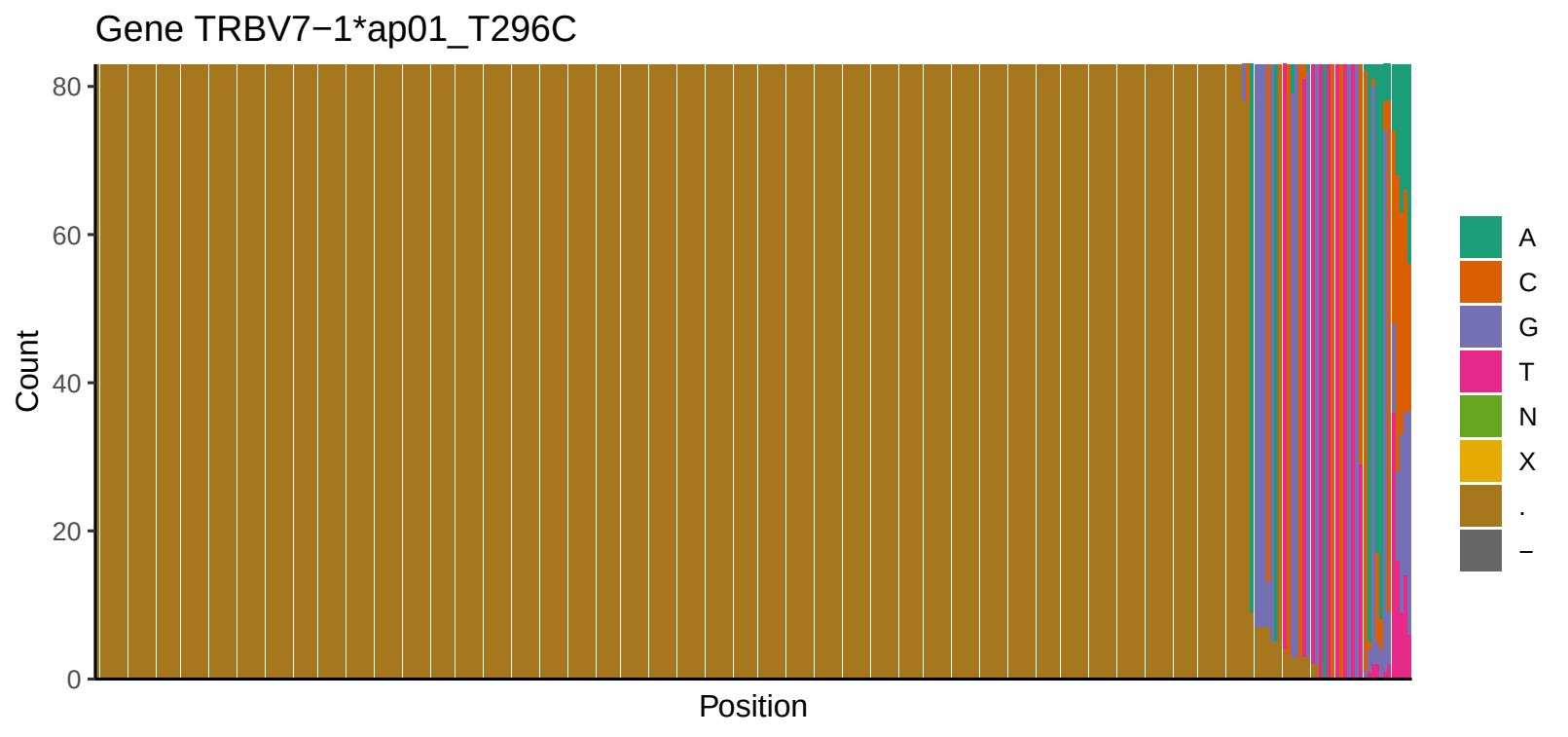
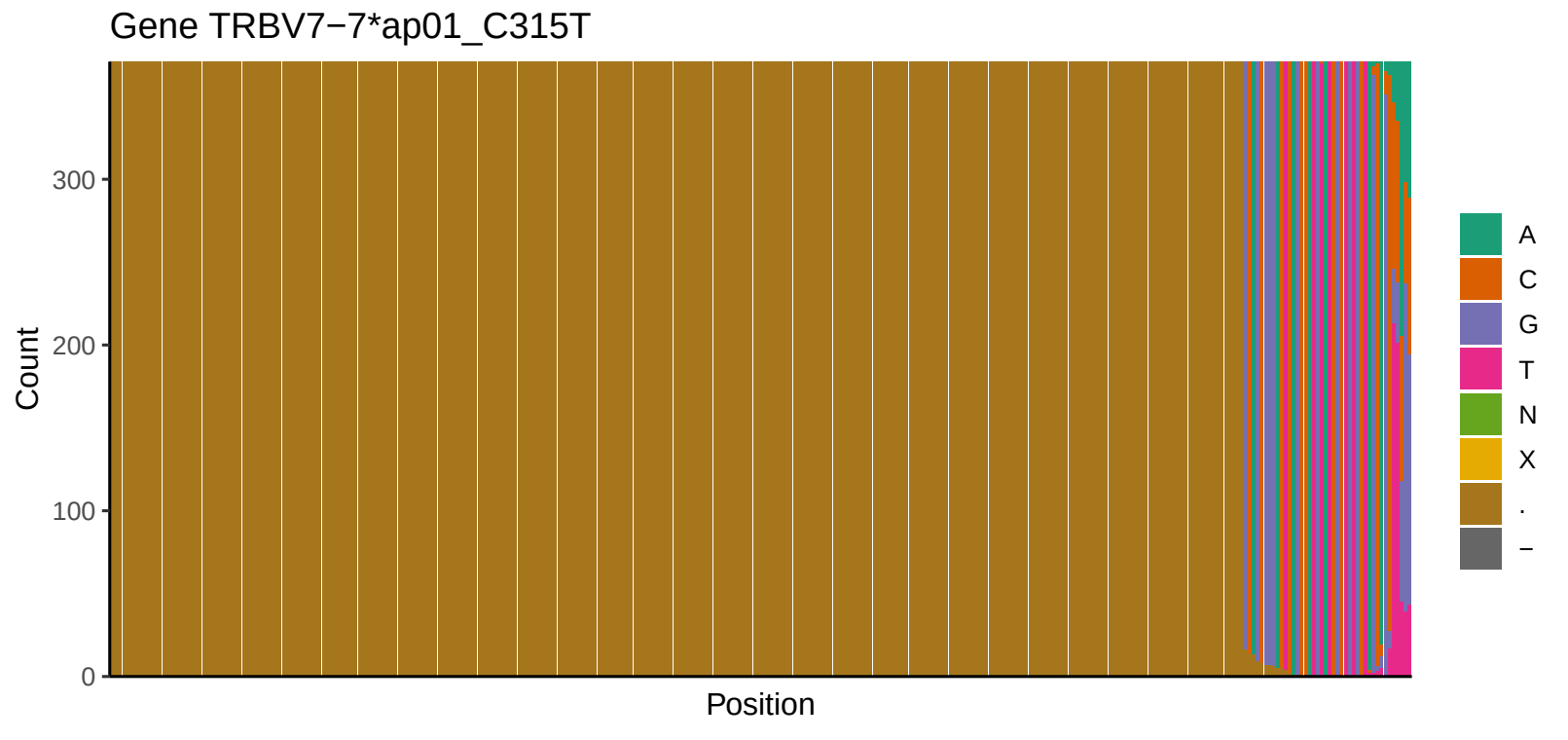
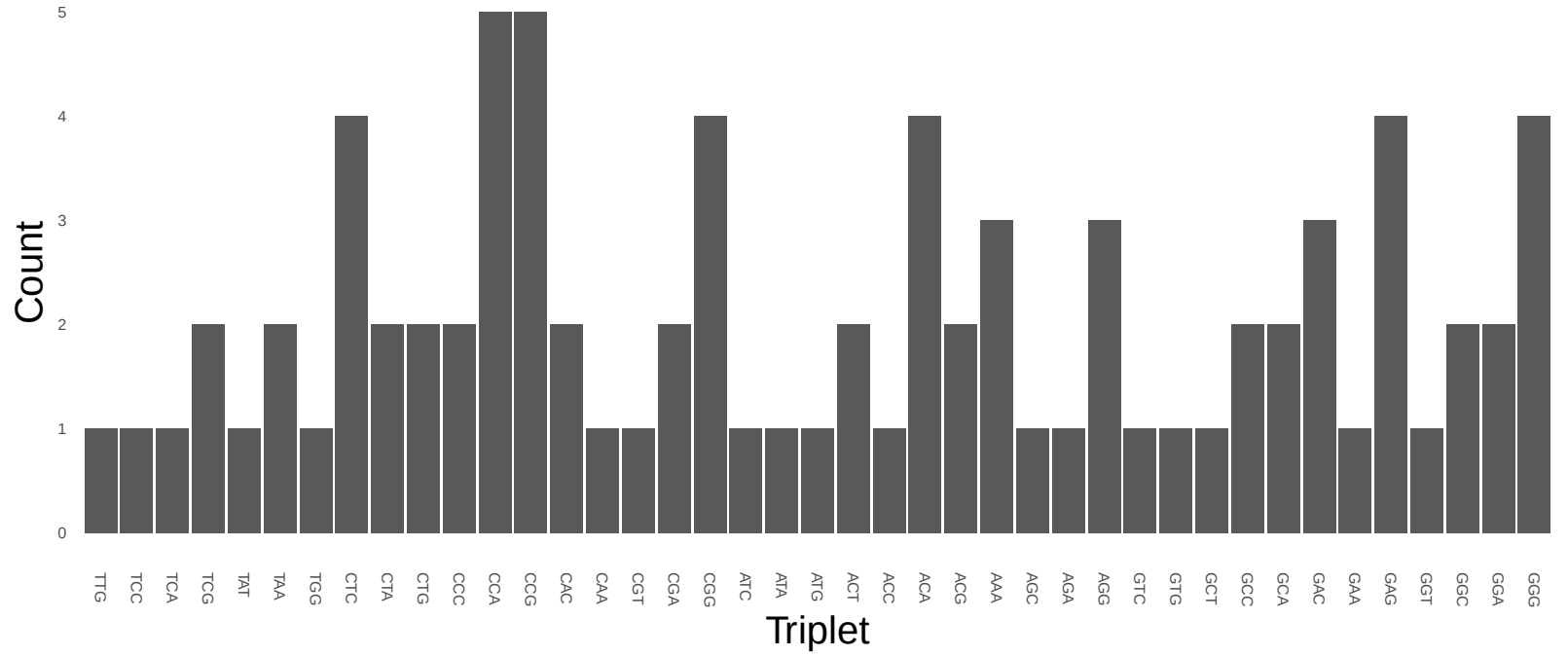

Gene TRBV7−1*ap01_T296C
Count
80
60
40
20
0
315
320
325
G C C A G C A G C T C A G C
Position
A
C
G
T


Gene TRBV7−7*ap01_C315T
Count
300
200
100
0
315
320
325
G C T A G C A G C T T A G C
Position
A
C
G
T

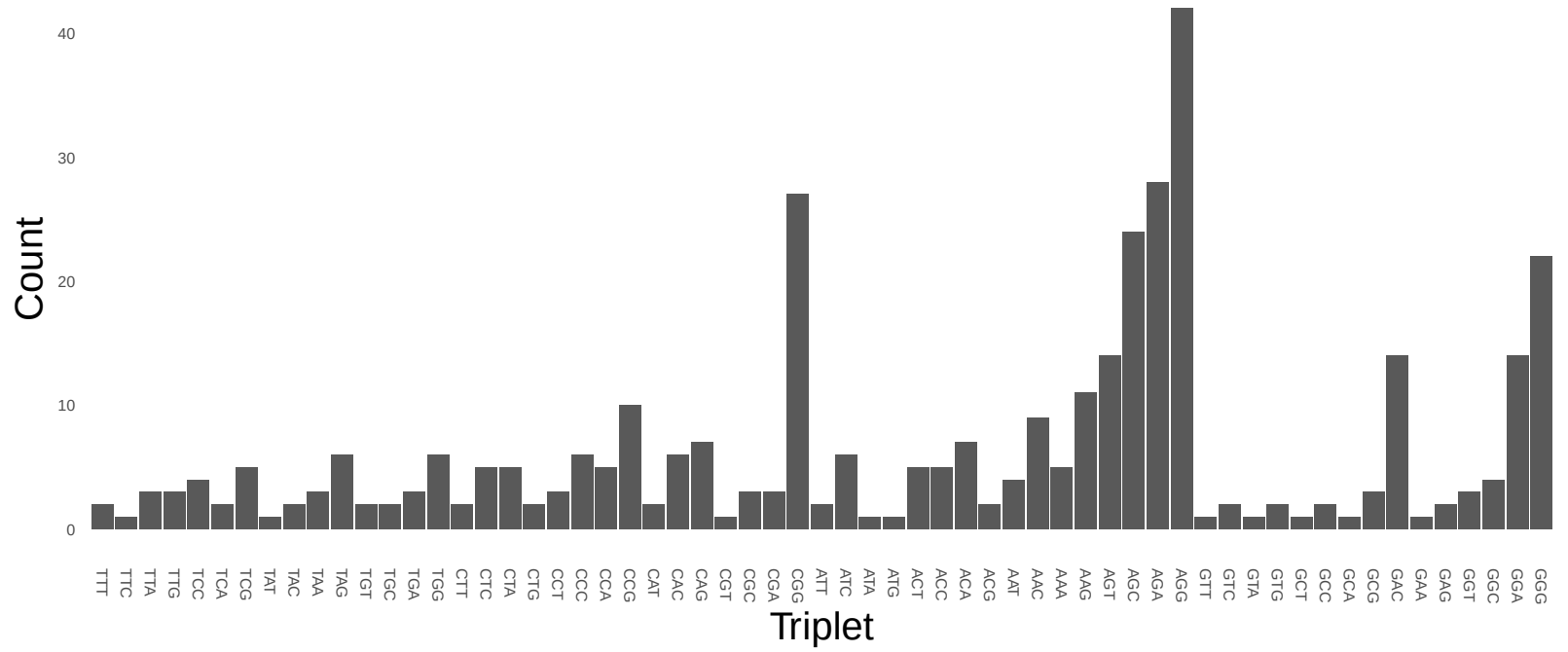

Gene TRBV7−1*ap01_T296C
Count
80
60
40
20
0
Position
A
C
G
T
N
X
.
–


Gene TRBV7−7*ap01_C315T
Count
300
200
100
0
Position
A
C
G
T
N
X
.
–

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

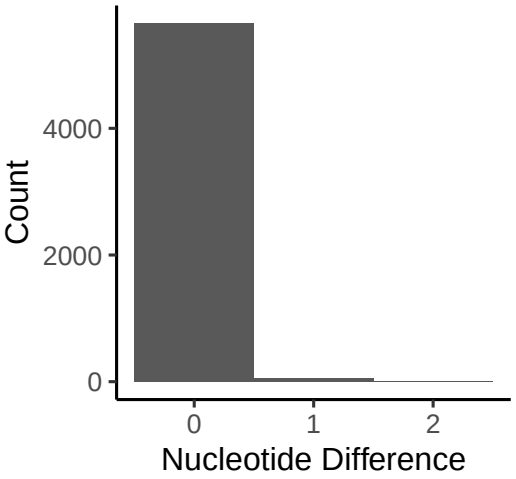


TRBV7−7*ap01_C315T− Final 3 nucleotides as a triplet



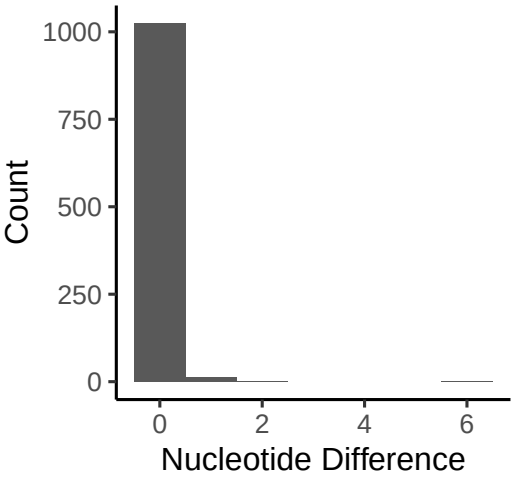
TRBV20−1*ap01

5719 sequences assigned
5657 (98.9%) exact matches, in which:
5592 unique CDR3
13 unique J



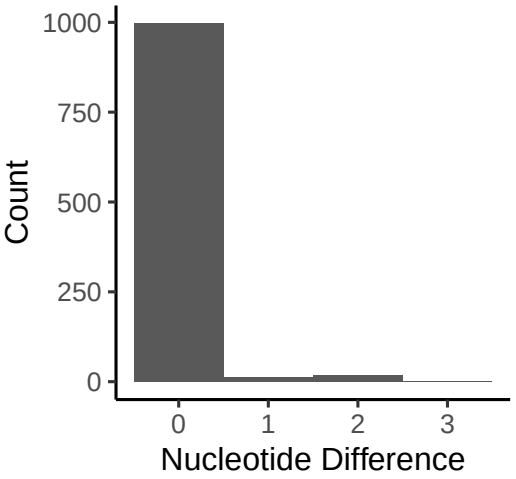
TRBV10−2*ap01

1039 sequences assigned
1024 (98.6%) exact matches, in which:
1004 unique CDR3
13 unique J



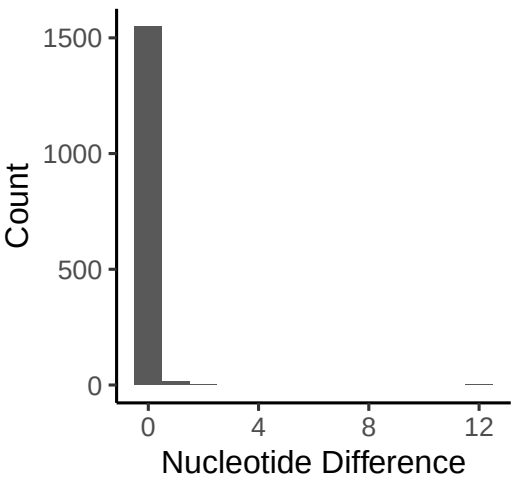
TRBV13*ap01

1028 sequences assigned
997 (97%) exact matches, in which:
984 unique CDR3
13 unique J



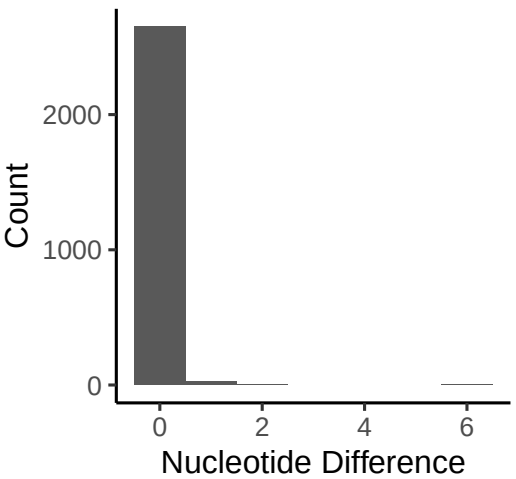
TRBV10−1*ap01

1567 sequences assigned
1548 (98.8%) exact matches, in which:
1527 unique CDR3
13 unique J



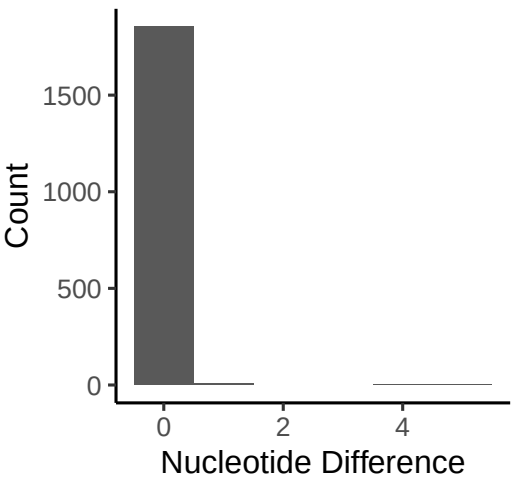
TRBV10−3*ap01

2675 sequences assigned
2650 (99.1%) exact matches, in which:
2605 unique CDR3
13 unique J



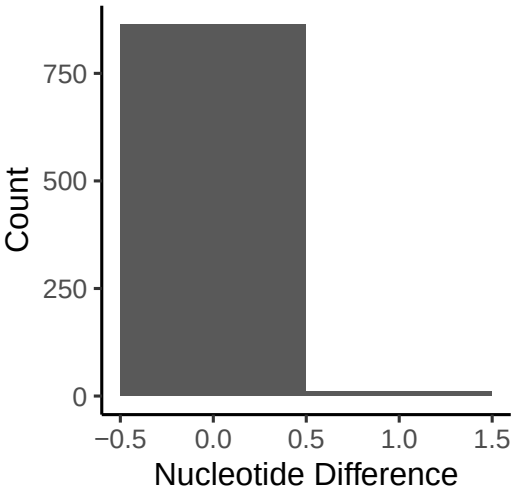
TRBV14*ap01

1867 sequences assigned
1854 (99.3%) exact matches, in which:
1830 unique CDR3
13 unique J



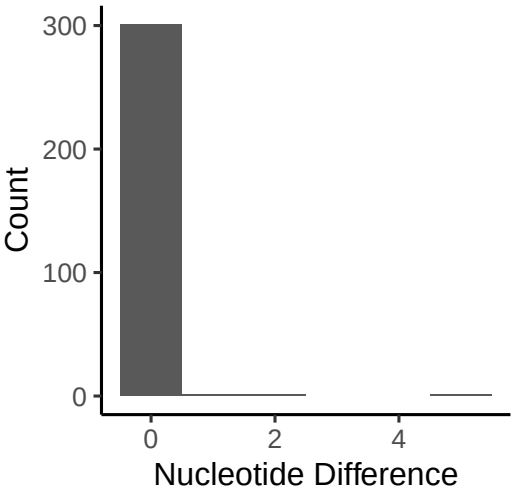
TRBV20−1*ap02

874 sequences assigned
864 (98.9%) exact matches, in which:
859 unique CDR3
13 unique J



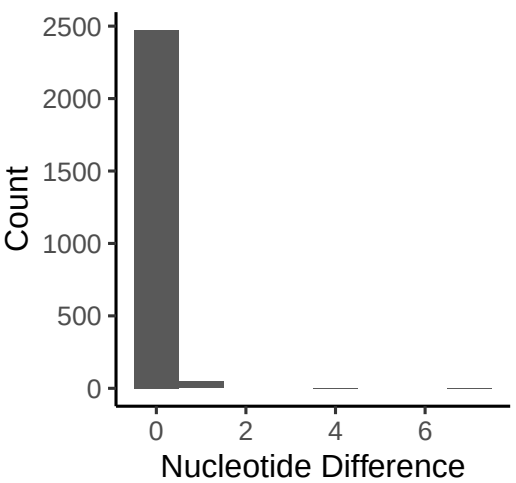
TRBV1*ap01

304 sequences assigned
301 (99%) exact matches, in which:
296 unique CDR3
13 unique J



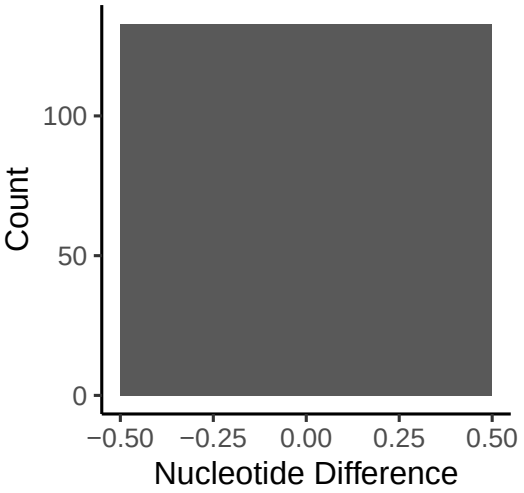
TRBV15*ap02

2522 sequences assigned
2473 (98.1%) exact matches, in which:
2431 unique CDR3
13 unique J



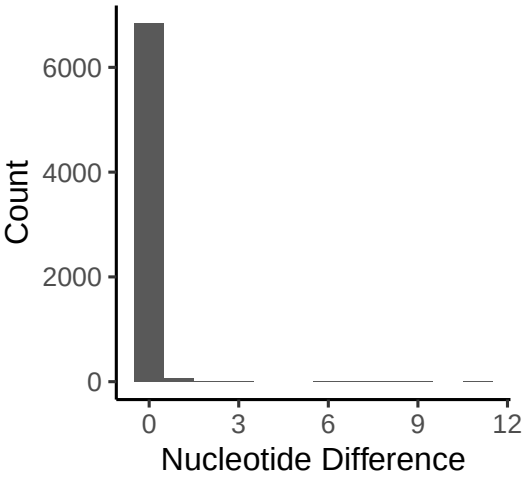
TRBV16*ap01

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



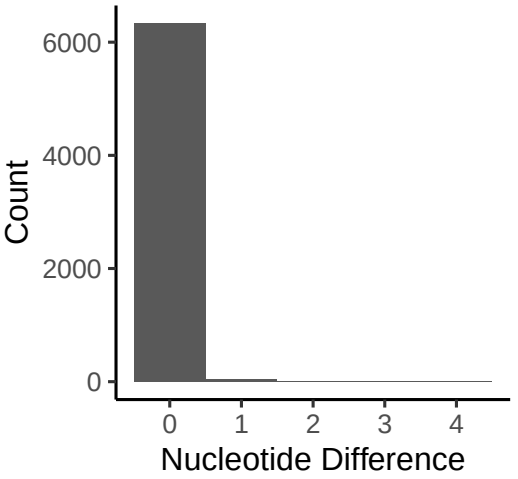
TRBV19*ap01

6912 sequences assigned
6839 (98.9%) exact matches, in which:
6797 unique CDR3
14 unique J



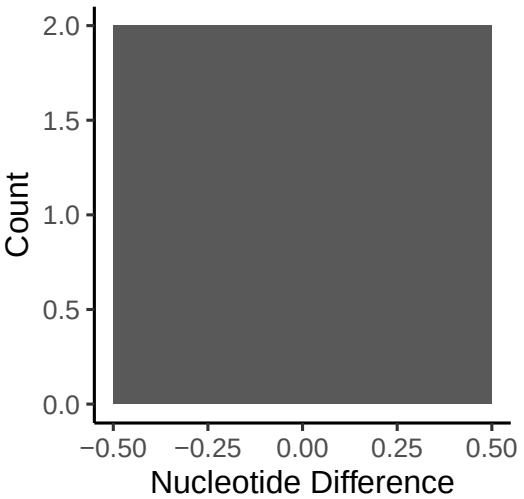
TRBV28*ap01

6384 sequences assigned
6332 (99.2%) exact matches, in which:
6261 unique CDR3
13 unique J



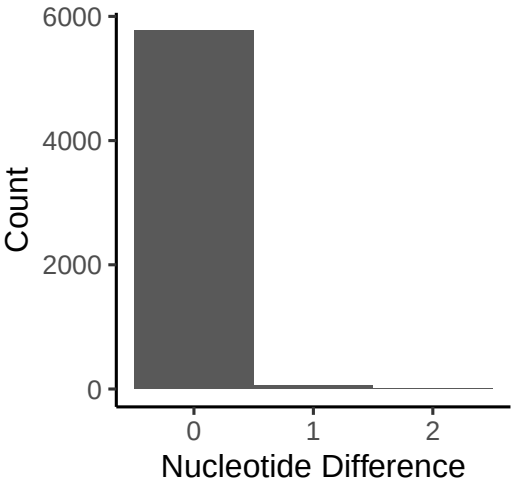
TRBV17*ap01

2 sequences assigned
2 (100%) exact matches, in which:
2 unique CDR3
2 unique J



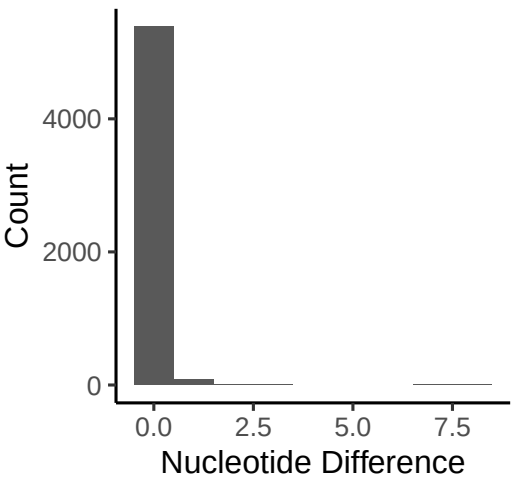
TRBV2*ap01

5827 sequences assigned
5769 (99%) exact matches, in which:
5686 unique CDR3
13 unique J



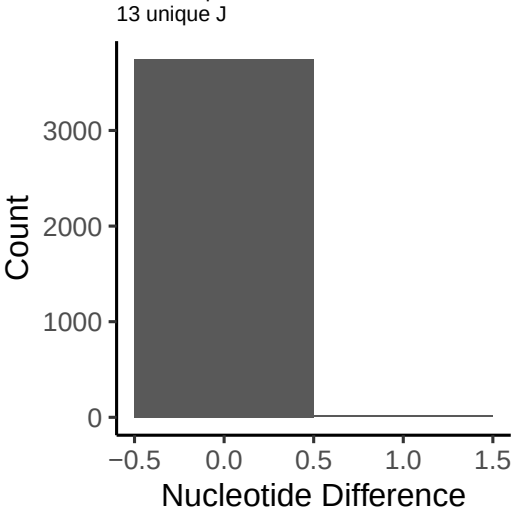
TRBV30*ap01

5479 sequences assigned
5384 (98.3%) exact matches, in which:
5286 unique CDR3
13 unique J



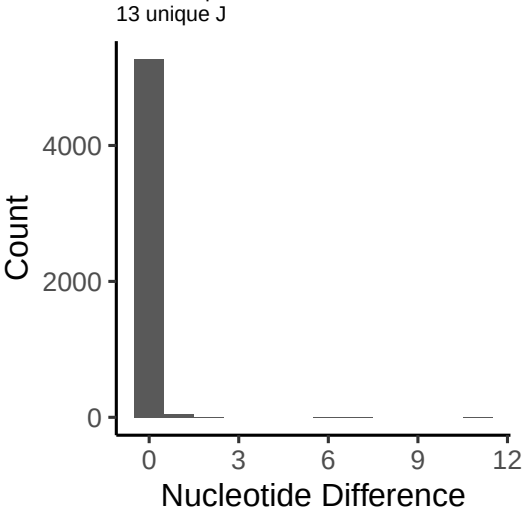
TRBV18*ap01

3768 sequences assigned
3747 (99.4%) exact matches, in which:
3727 unique CDR3
13 unique J



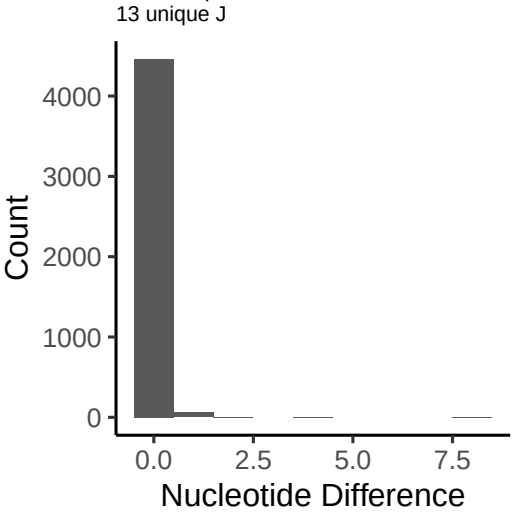
TRBV27*ap01

5330 sequences assigned
5272 (98.9%) exact matches, in which:
5196 unique CDR3
13 unique J



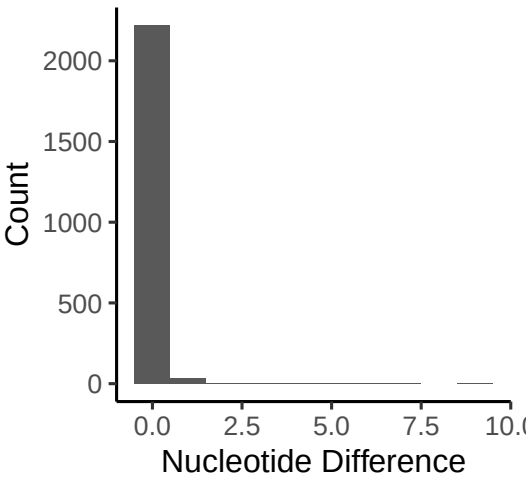
TRBV9*ap01

4530 sequences assigned
4461 (98.5%) exact matches, in which:
4410 unique CDR3
13 unique J



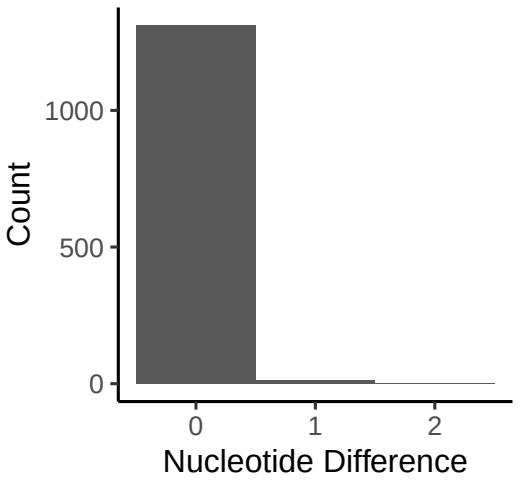
TRBV21−1*ap01

2263 sequences assigned
2219 (98.1%) exact matches, in which:
2208 unique CDR3
13 unique J



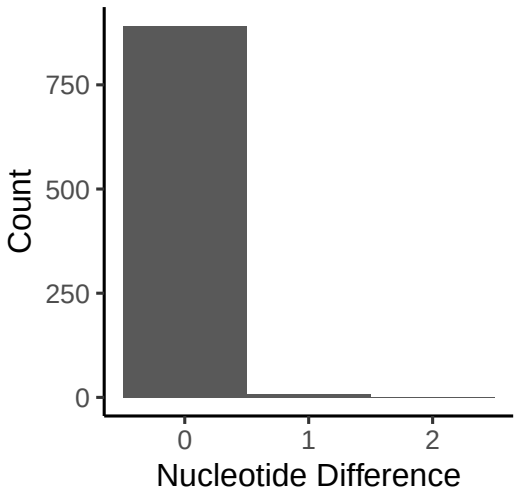
TRBV11−3*ap01

1323 sequences assigned
1311 (99.1%) exact matches, in which:
1303 unique CDR3
13 unique J



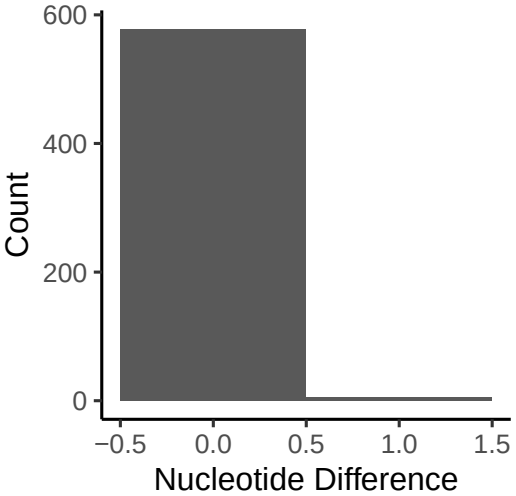
TRBV12−5*ap01

902 sequences assigned
892 (98.9%) exact matches, in which:
881 unique CDR3
13 unique J



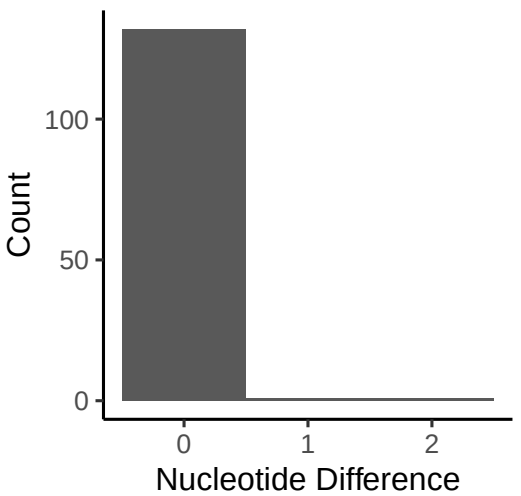
TRBV11−1*ap01

583 sequences assigned
578 (99.1%) exact matches, in which:
572 unique CDR3
13 unique J



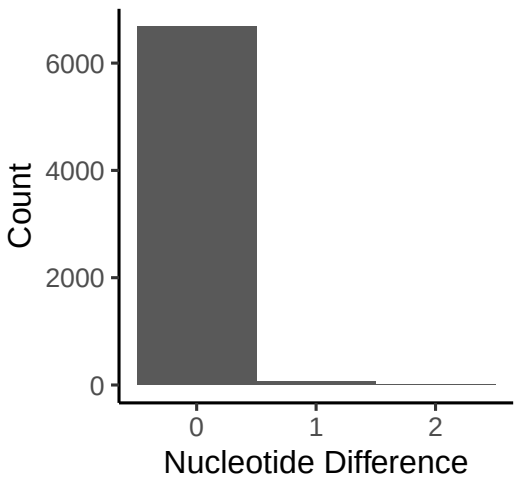
TRBV12−1*ap01

134 sequences assigned
132 (98.5%) exact matches, in which:
129 unique CDR3
12 unique J



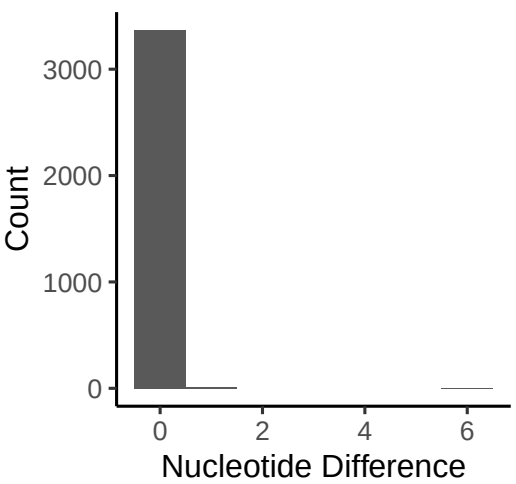
TRBV12−34*ap01

6752 sequences assigned
6678 (98.9%) exact matches, in which:
6591 unique CDR3
13 unique J



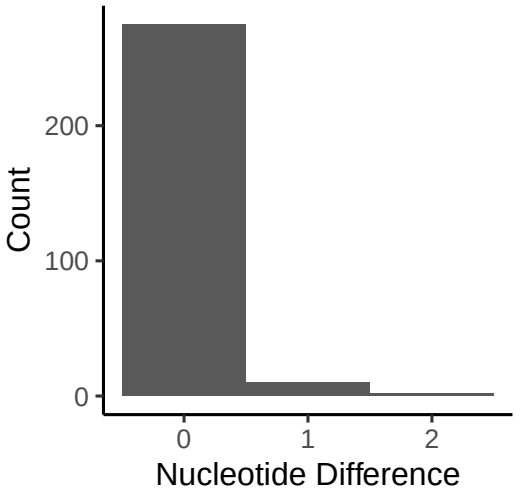
TRBV11−2*ap01

3383 sequences assigned
3368 (99.6%) exact matches, in which:
3337 unique CDR3
13 unique J



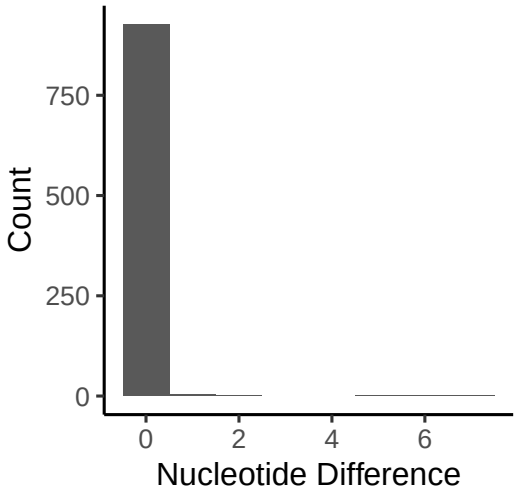
TRBV12−2*ap01

287 sequences assigned
275 (95.8%) exact matches, in which:
270 unique CDR3
13 unique J



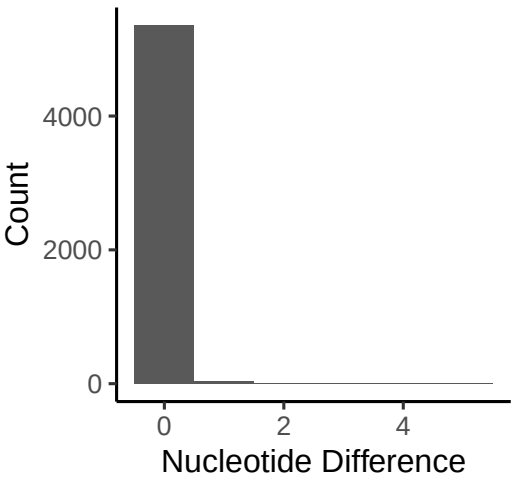
TRBV23−1*ap01

937 sequences assigned
927 (98.9%) exact matches, in which:
917 unique CDR3
13 unique J



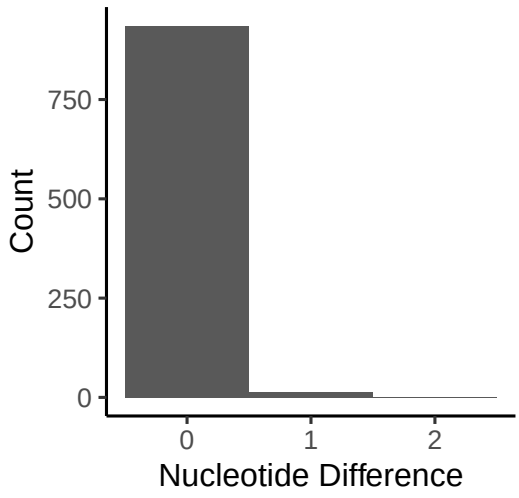
TRBV3−12*ap01

5399 sequences assigned
5355 (99.2%) exact matches, in which:
5310 unique CDR3
13 unique J



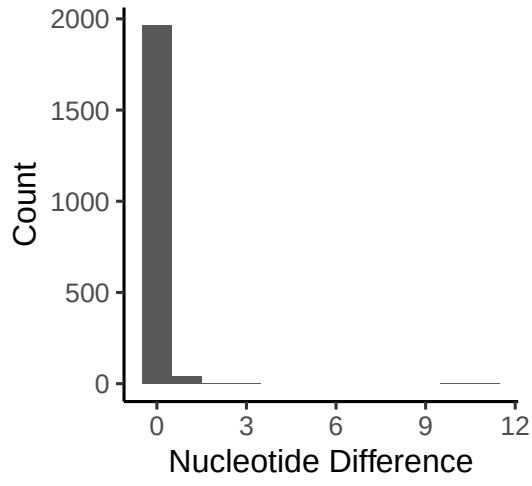
TRBV4−2*ap01

951 sequences assigned
936 (98.4%) exact matches, in which:
917 unique CDR3
13 unique J



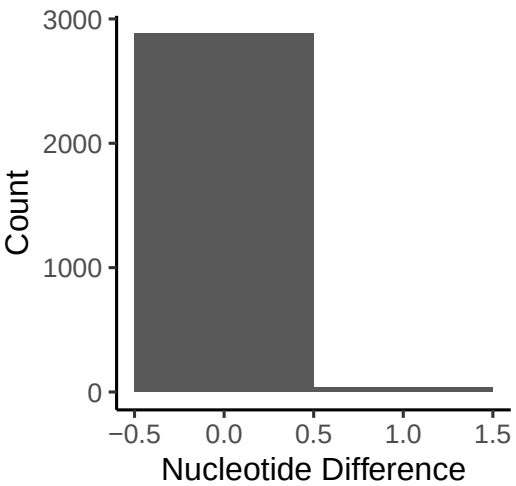
TRBV25−1*ap01

2009 sequences assigned
1964 (97.8%) exact matches, in which:
1917 unique CDR3
13 unique J



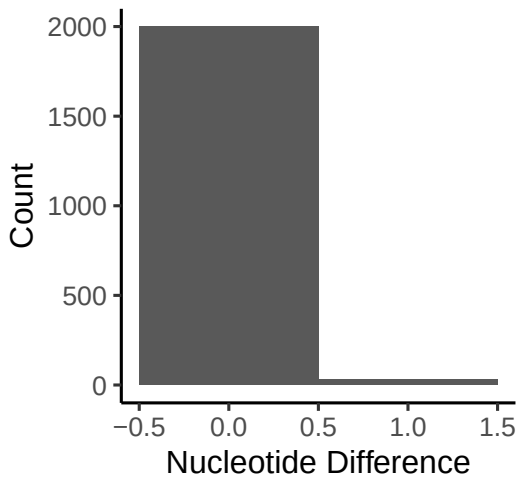
TRBV4−1*ap01

2918 sequences assigned
2881 (98.7%) exact matches, in which:
2840 unique CDR3
13 unique J



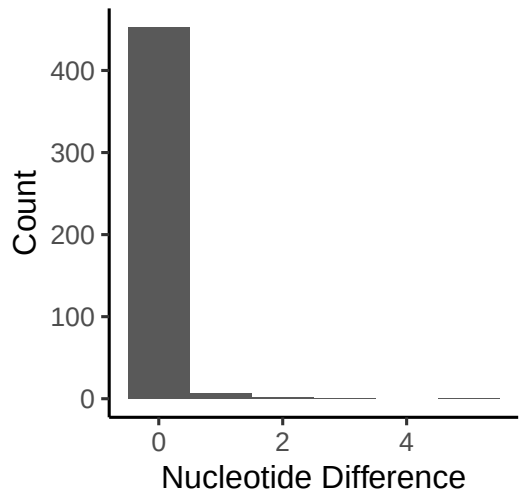
TRBV4−3*ap01

2027 sequences assigned
1999 (98.6%) exact matches, in which:
1964 unique CDR3
13 unique J



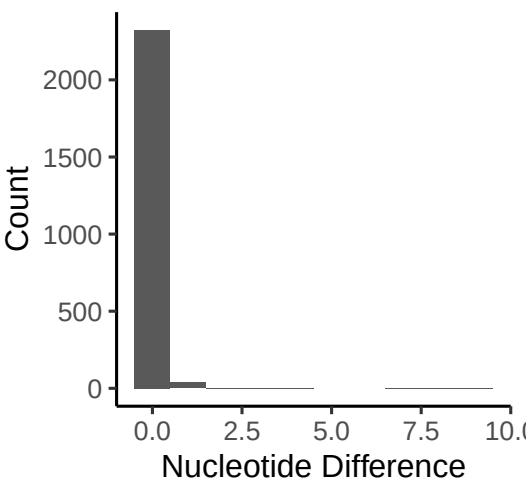
TRBV5−3*ap01

464 sequences assigned
453 (97.6%) exact matches, in which:
448 unique CDR3
13 unique J



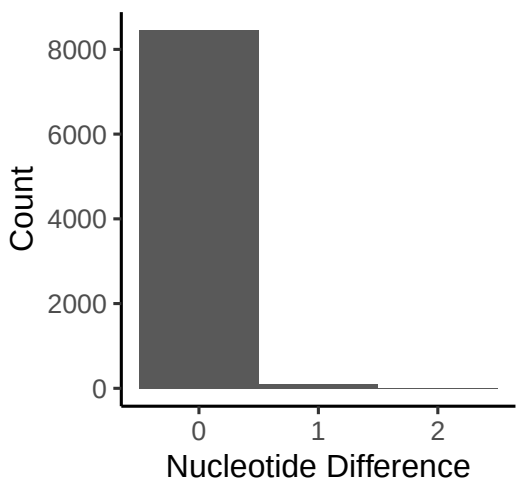
TRBV24−1*ap01

2368 sequences assigned
2323 (98.1%) exact matches, in which:
2293 unique CDR3
13 unique J



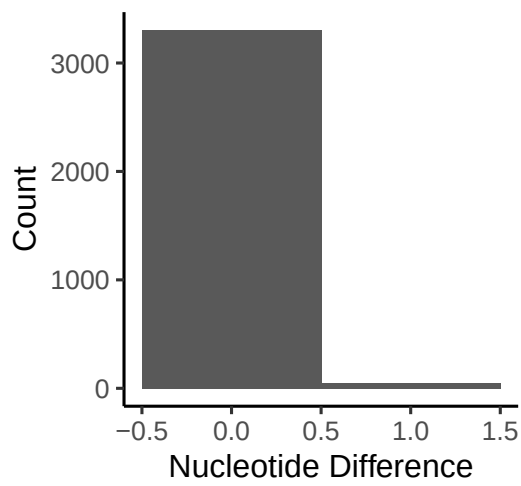
TRBV5−1*ap01

8555 sequences assigned
8456 (98.8%) exact matches, in which:
8303 unique CDR3
13 unique J



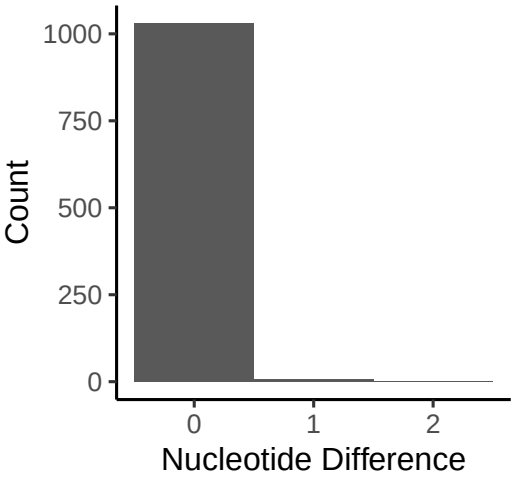
TRBV5−4*ap01

3354 sequences assigned
3304 (98.5%) exact matches, in which:
3247 unique CDR3
13 unique J



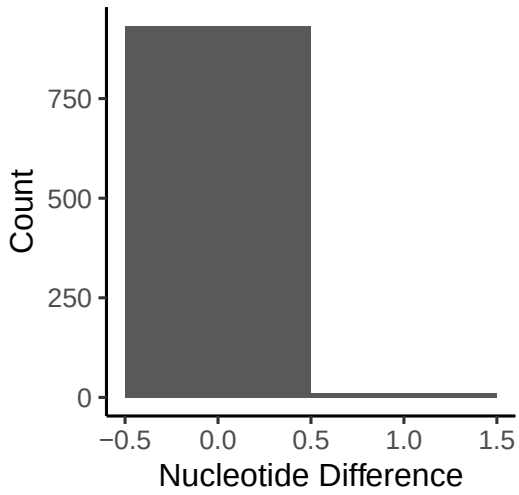
TRBV5−5*ap01

1039 sequences assigned
1030 (99.1%) exact matches, in which:
1025 unique CDR3
13 unique J



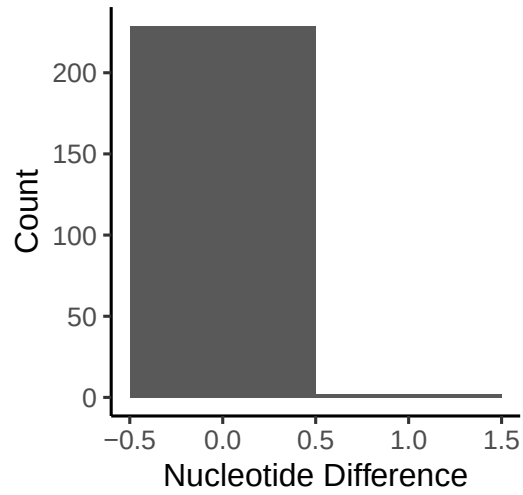
TRBV5−8*ap01

944 sequences assigned
933 (98.8%) exact matches, in which:
922 unique CDR3
13 unique J



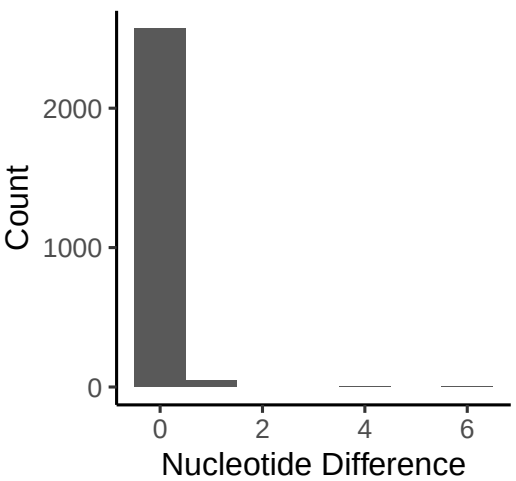
TRBV6−7*ap01

231 sequences assigned
229 (99.1%) exact matches, in which:
224 unique CDR3
13 unique J



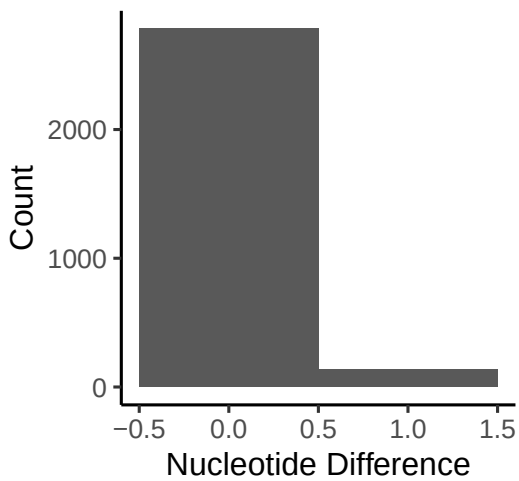
TRBV5−6*ap01

2616 sequences assigned
2570 (98.2%) exact matches, in which:
2510 unique CDR3
13 unique J



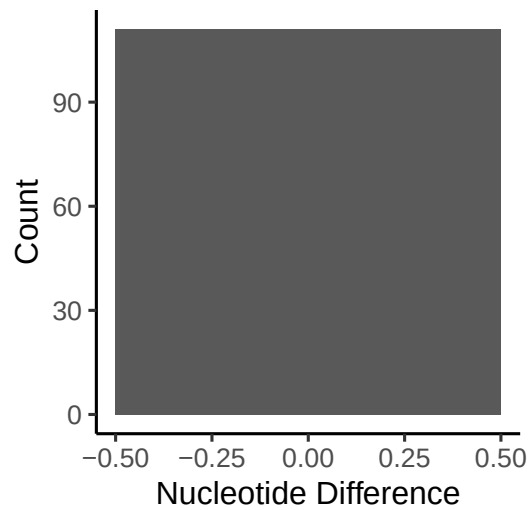
TRBV6−1*ap01

2916 sequences assigned
2783 (95.4%) exact matches, in which:
2731 unique CDR3
13 unique J



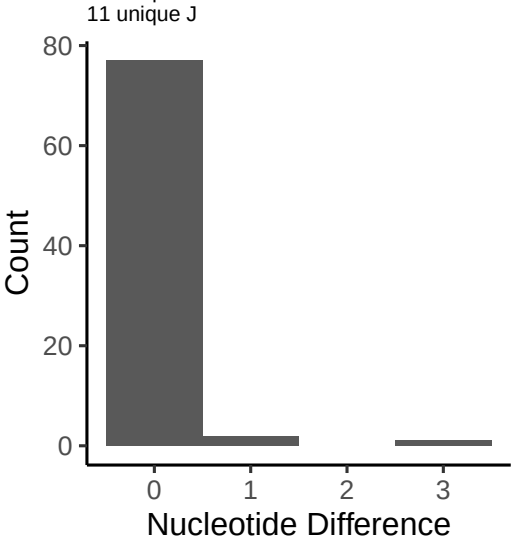
TRBV6−8*ap01

111 sequences assigned
111 (100%) exact matches, in which:
107 unique CDR3
12 unique J



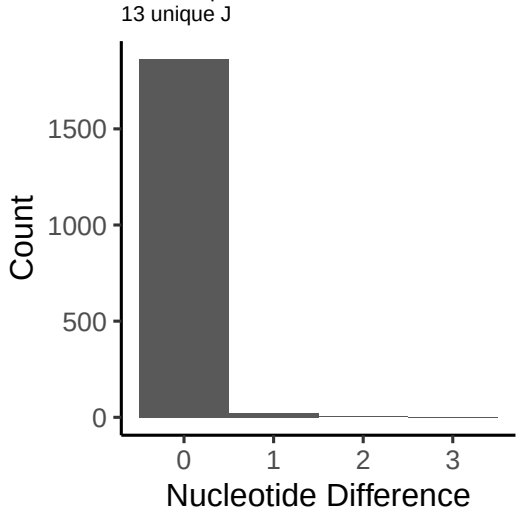
TRBV5−7*ap01

80 sequences assigned
77 (96.2%) exact matches, in which:
73 unique CDR3
11 unique J



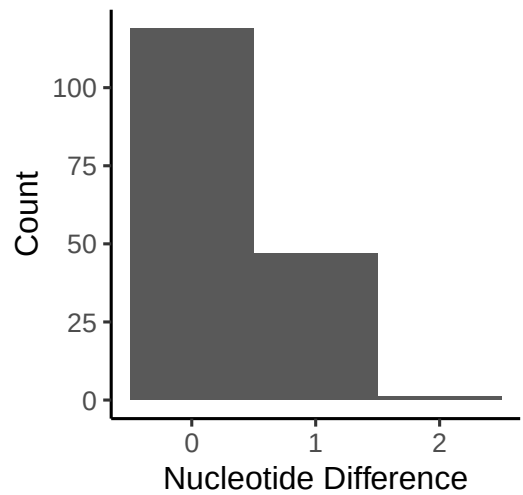
TRBV6−4*ap01

1889 sequences assigned
1863 (98.6%) exact matches, in which:
1846 unique CDR3
13 unique J



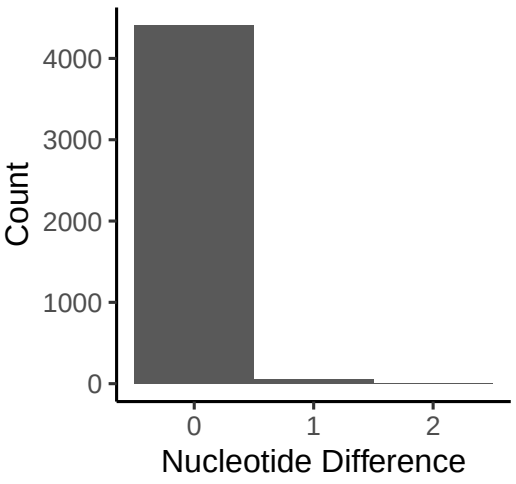
TRBV6−9*ap01

167 sequences assigned
119 (71.3%) exact matches, in which:
112 unique CDR3
12 unique J



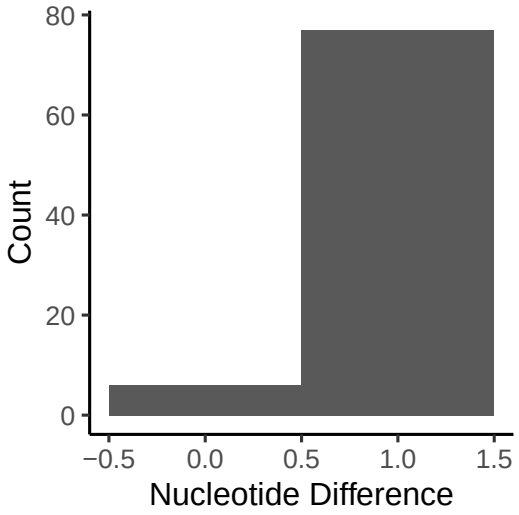
TRBV6−23*ap01

4462 sequences assigned
4406 (98.7%) exact matches, in which:
4292 unique CDR3
13 unique J



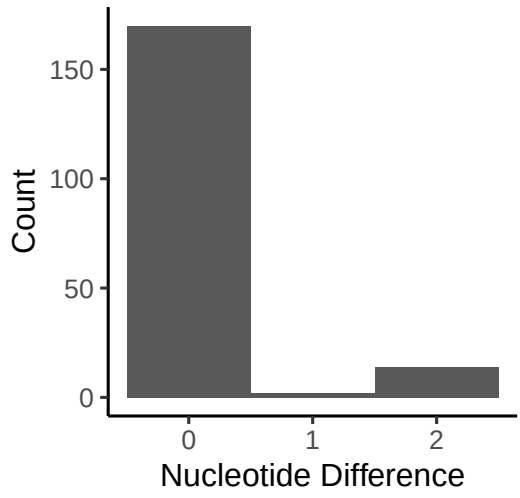
TRBV7−1*ap01_T296C

83 sequences assigned
6 (7.2%) exact matches, in which:
6 unique CDR3
4 unique J



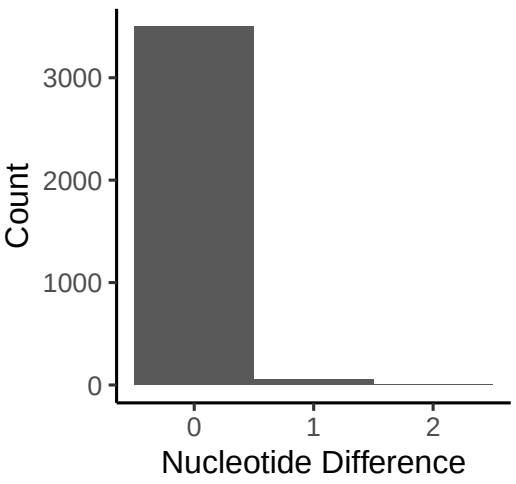
TRBV7−4*ap01

186 sequences assigned
170 (91.4%) exact matches, in which:
166 unique CDR3
13 unique J



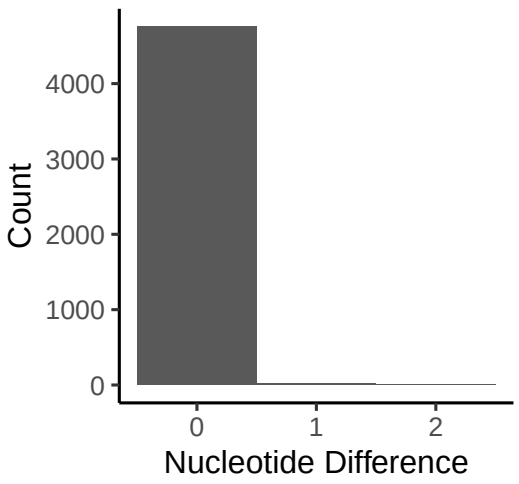
TRBV6−56*ap01

3549 sequences assigned
3498 (98.6%) exact matches, in which:
3405 unique CDR3
13 unique J



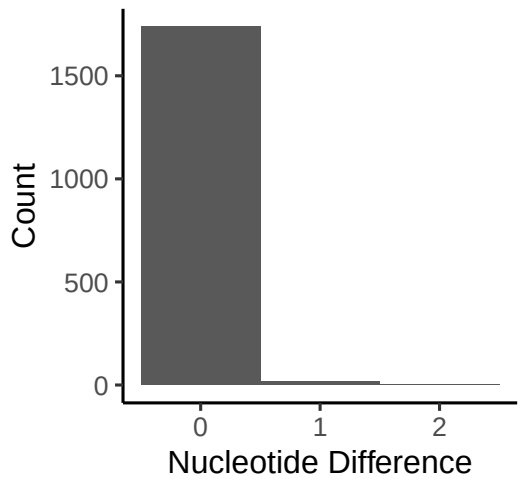
TRBV7−2*ap01

4778 sequences assigned
4755 (99.5%) exact matches, in which:
4689 unique CDR3
13 unique J



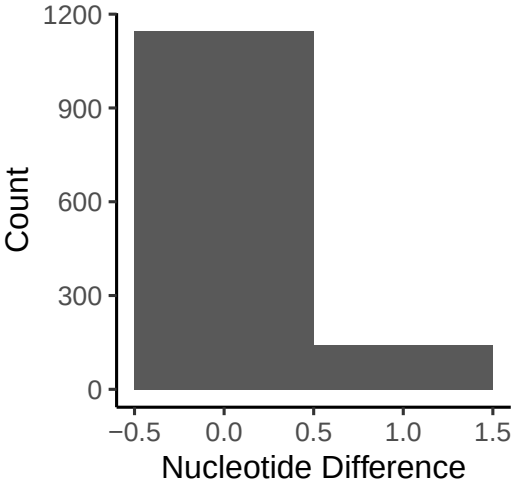
TRBV7−6*ap01

1754 sequences assigned
1738 (99.1%) exact matches, in which:
1712 unique CDR3
13 unique J



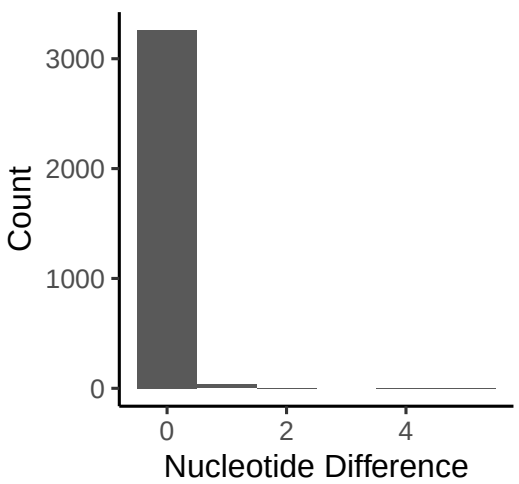
TRBV6−56*ap02

1287 sequences assigned
1146 (89%) exact matches, in which:
1128 unique CDR3
13 unique J



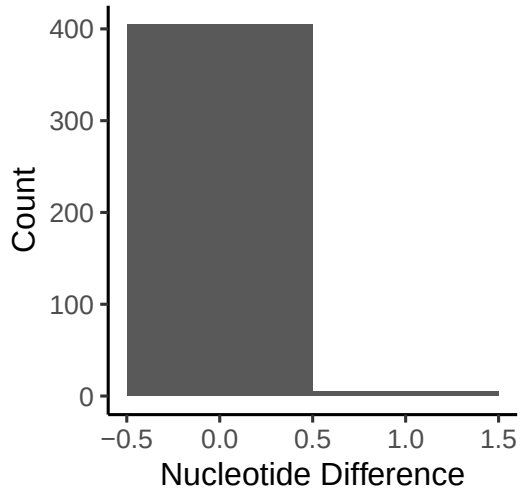
TRBV7−3*ap01

3301 sequences assigned
3261 (98.8%) exact matches, in which:
3220 unique CDR3
13 unique J



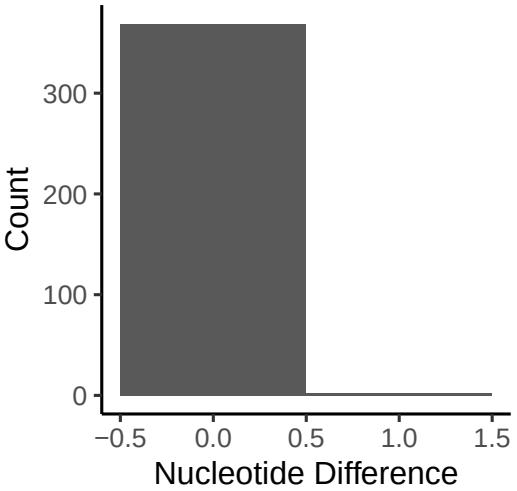
TRBV7−7*ap01

410 sequences assigned
405 (98.8%) exact matches, in which:
394 unique CDR3
13 unique J



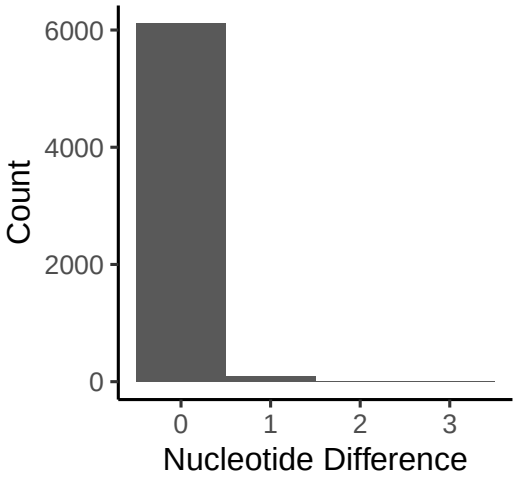
TRBV7−7*ap01_C315T

371 sequences assigned
369 (99.5%) exact matches, in which:
366 unique CDR3
13 unique J



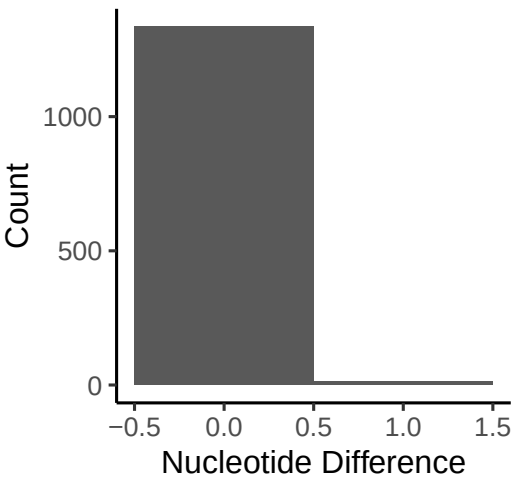
TRBV7−9*ap01

6201 sequences assigned
6113 (98.6%) exact matches, in which:
6022 unique CDR3
13 unique J



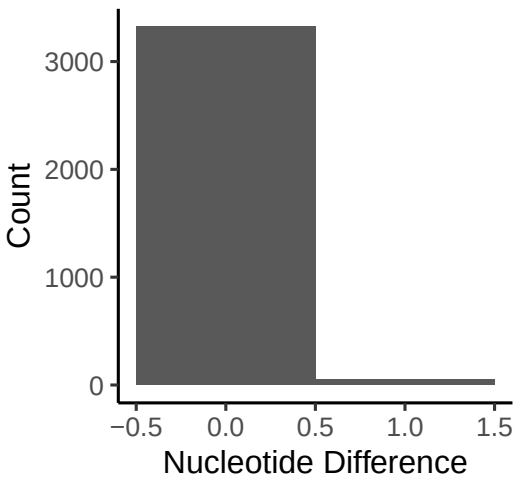
TRBV7−8*ap01

1349 sequences assigned
1335 (99%) exact matches, in which:
1316 unique CDR3
13 unique J



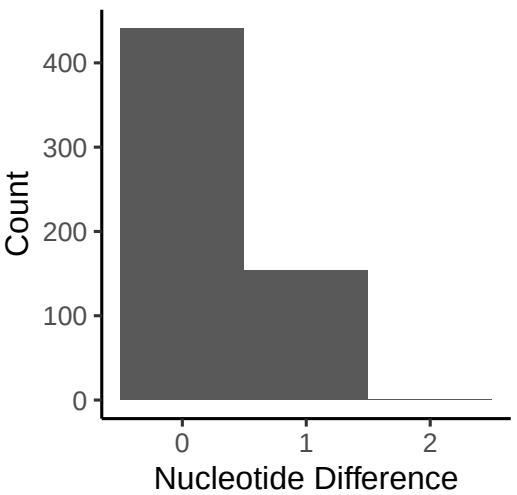
TRBV29−1*ap01

3374 sequences assigned
3323 (98.5%) exact matches, in which:
3253 unique CDR3
13 unique J



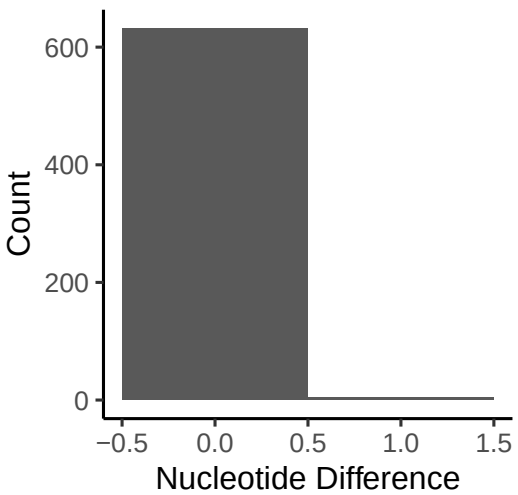
TRBV7−8*ap03

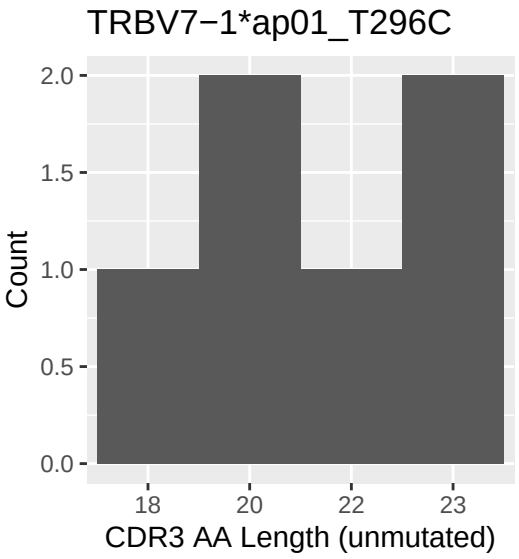
596 sequences assigned
441 (74%) exact matches, in which:
434 unique CDR3
13 unique J

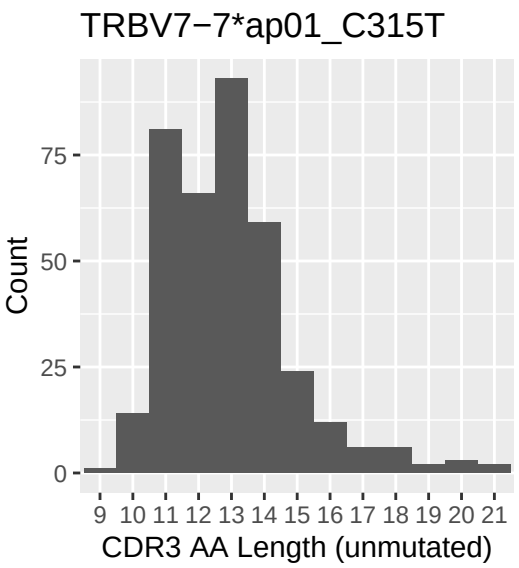


TRBV29−1*ap02

636 sequences assigned
632 (99.4%) exact matches, in which:
613 unique CDR3
13 unique J




TRBV7−1*ap01_T296C
2.0
1.5
1.0
0.5
0.0
Count
18
20
22
23
CDR3 AA Length (unmutated)


TRBV7−7*ap01_C315T
75
50
25
0
Count
9 10 11 12 13 14 15 16 17 18 19 20 21
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.