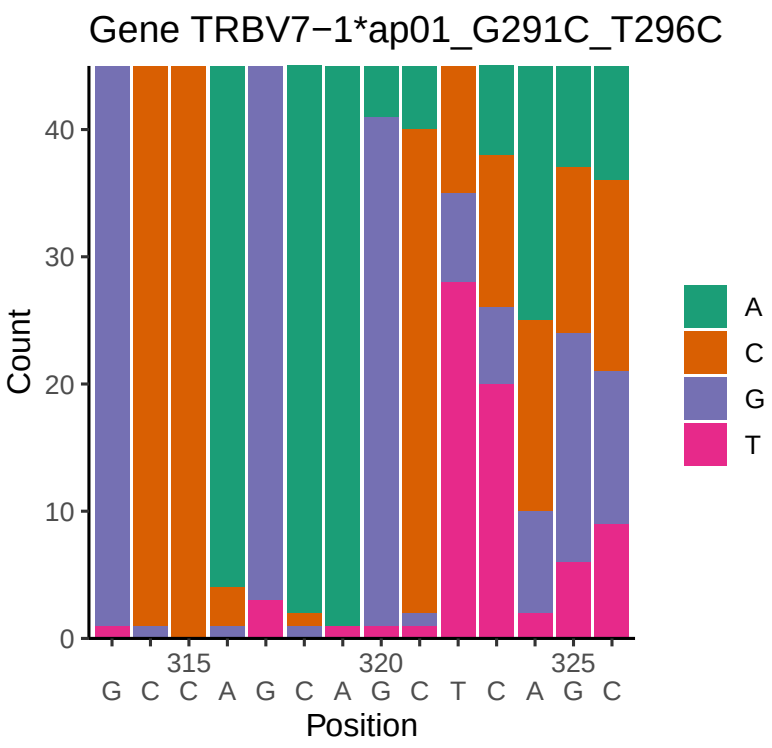
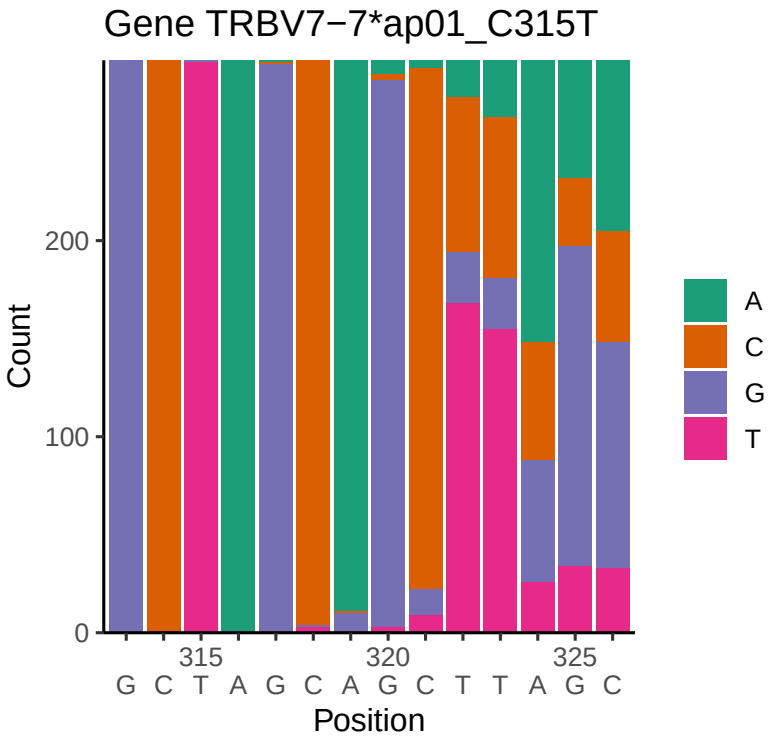
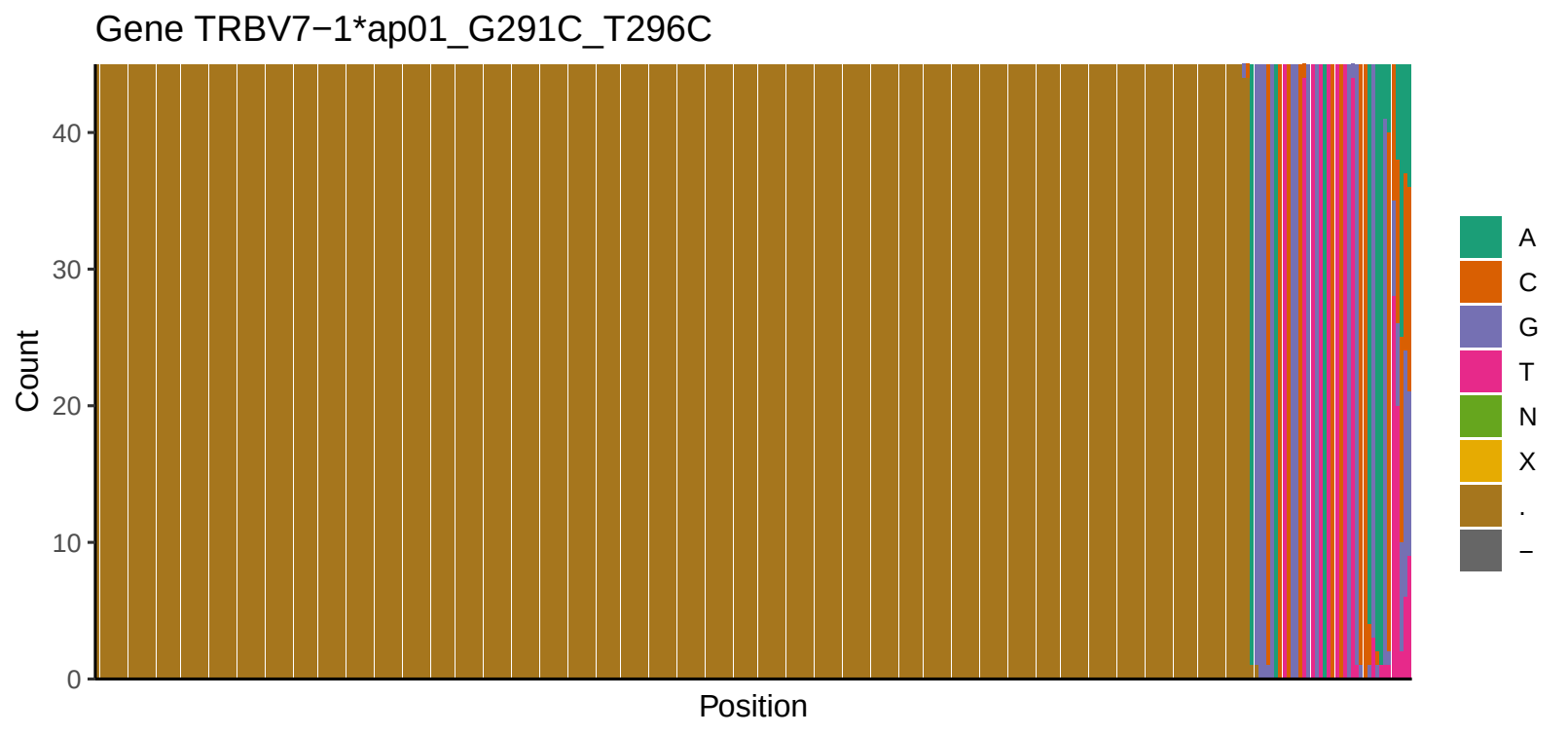
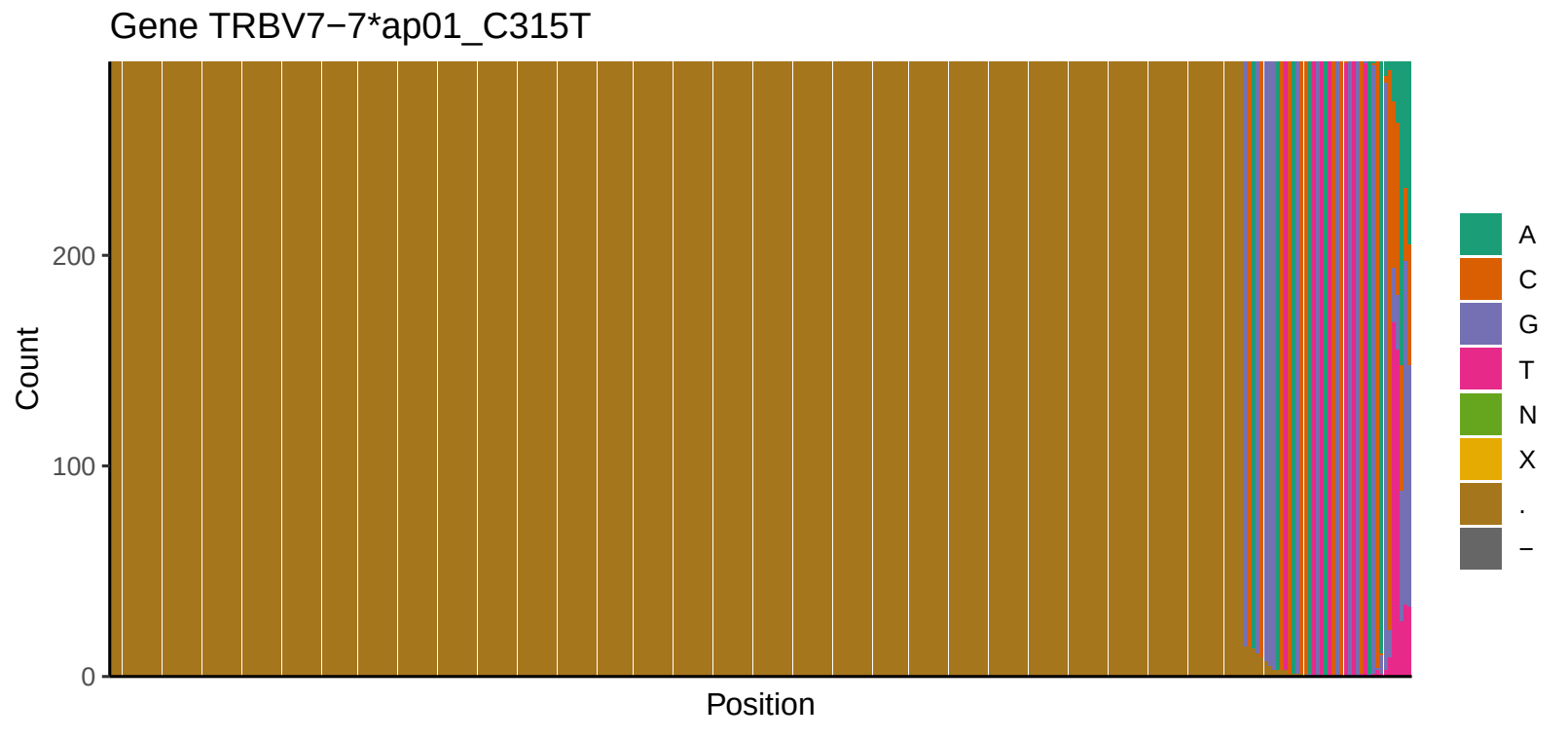
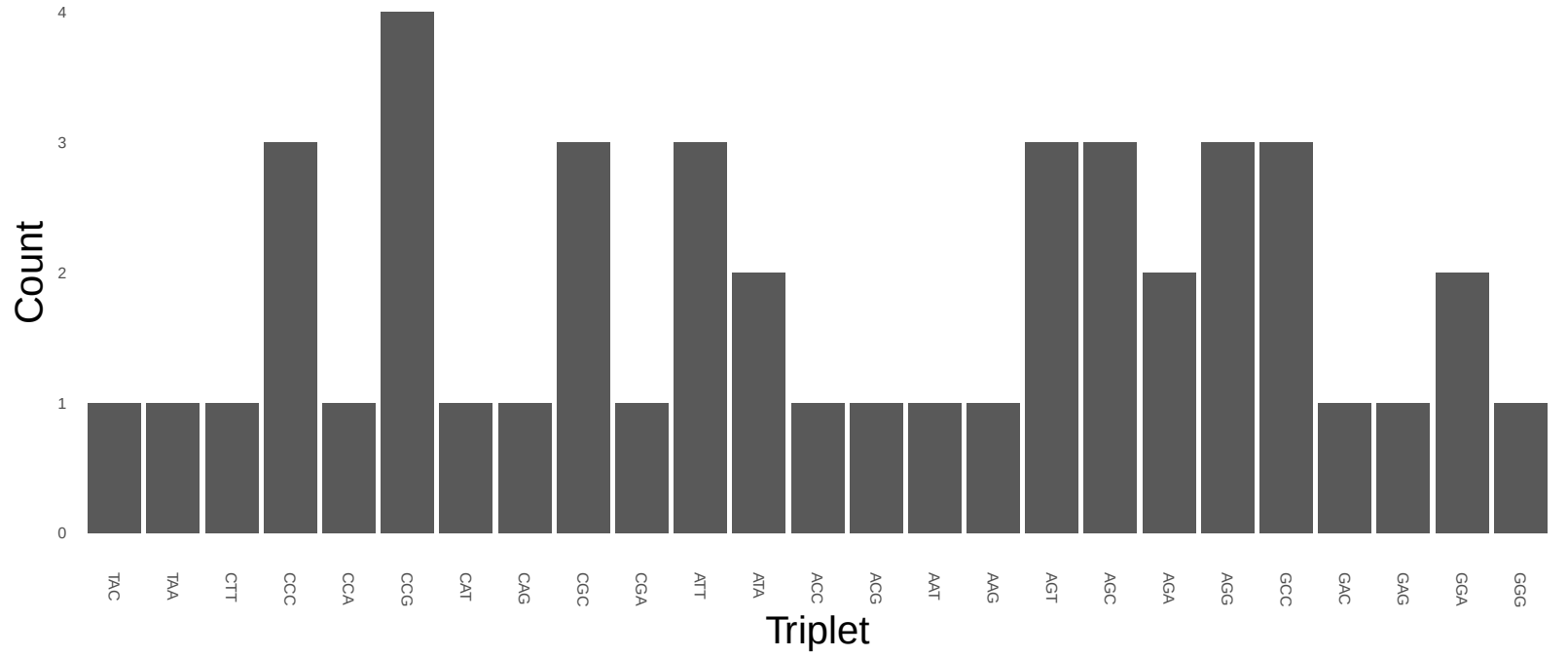

Gene TRBV7−1*ap01_G291C_T296C
Count
0
10
20
30
40
315
320
325
G C C A G C A G C T C A G C
Position
A
C
G
T


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

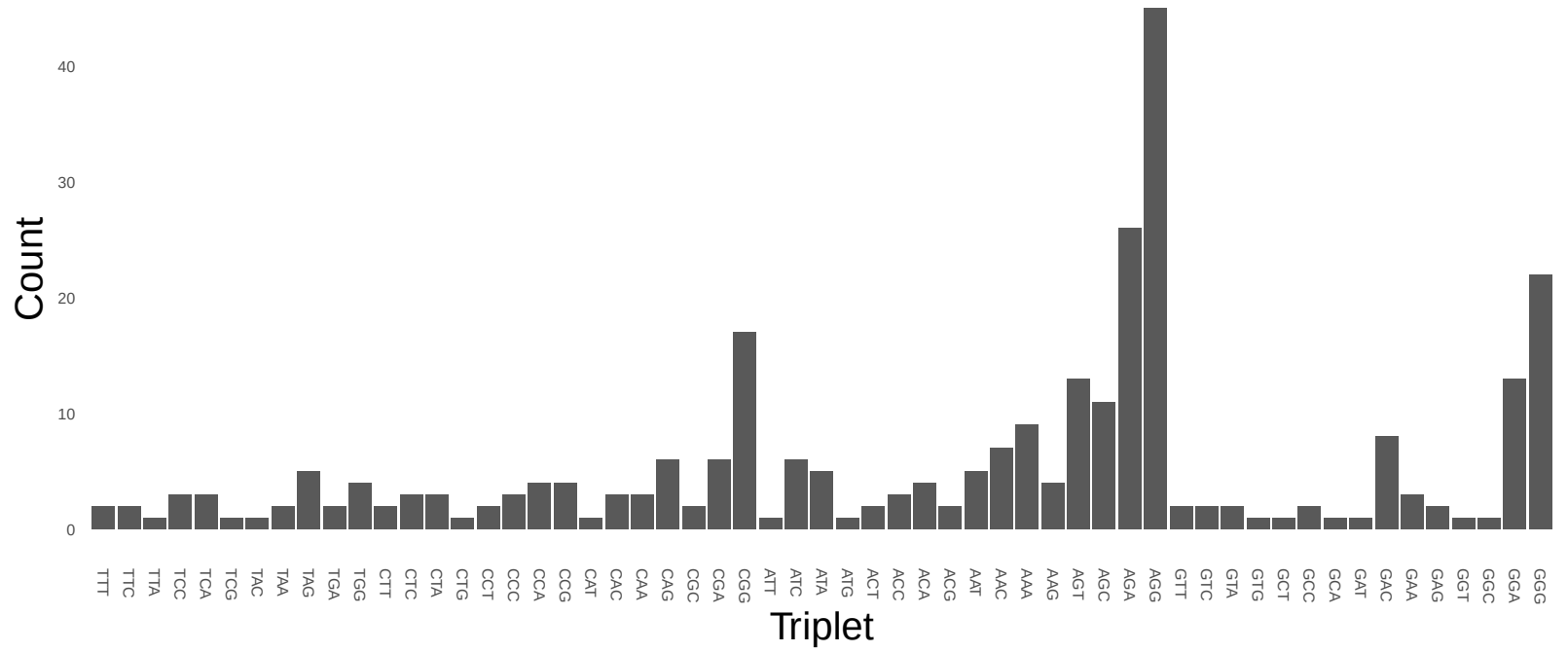

Gene TRBV7−1*ap01_G291C_T296C
Count
0
10
20
30
40
Position
A
C
G
T
N
X
.
–


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

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

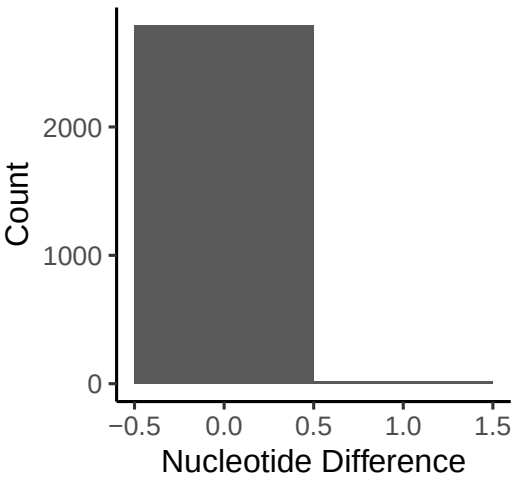


TRBV7−7*ap01_C315T− Final 3 nucleotides as a triplet



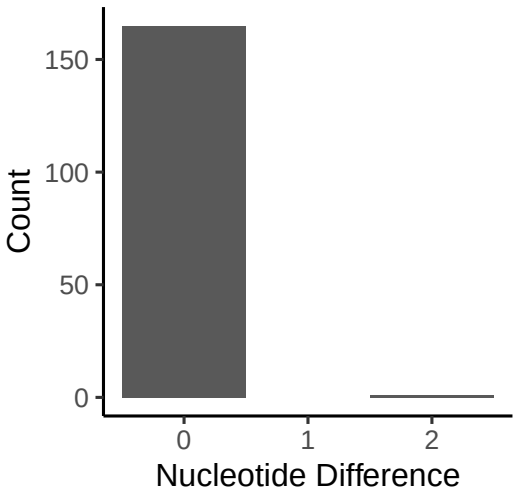
TRBV20−1*ap01

2812 sequences assigned
2791 (99.3%) exact matches, in which:
2746 unique CDR3
13 unique J



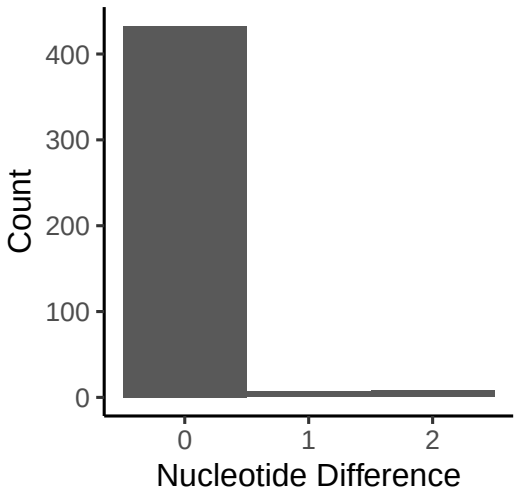
TRBV10−2*ap01

166 sequences assigned
165 (99.4%) exact matches, in which:
165 unique CDR3
13 unique J



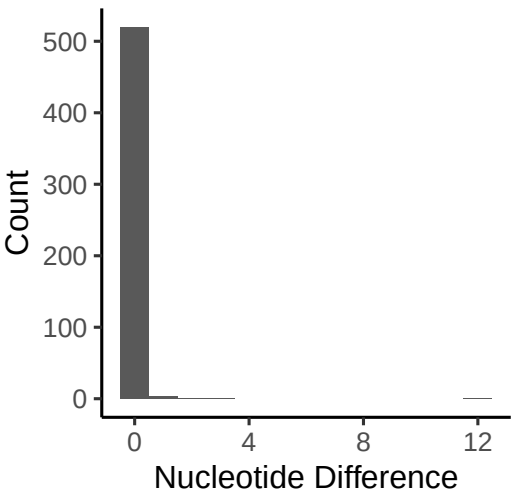
TRBV13*ap01

448 sequences assigned
433 (96.7%) exact matches, in which:
418 unique CDR3
13 unique J



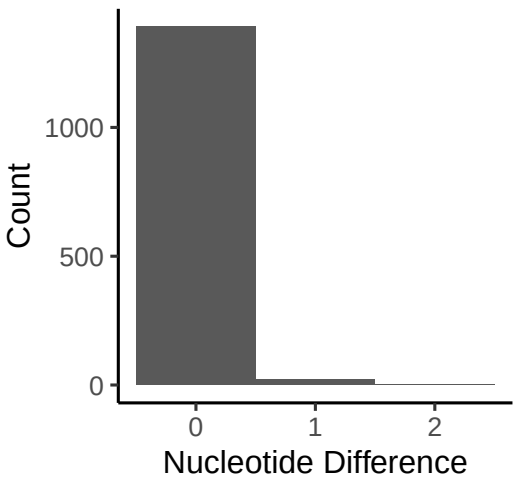
TRBV10−1*ap01

526 sequences assigned
520 (98.9%) exact matches, in which:
512 unique CDR3
13 unique J



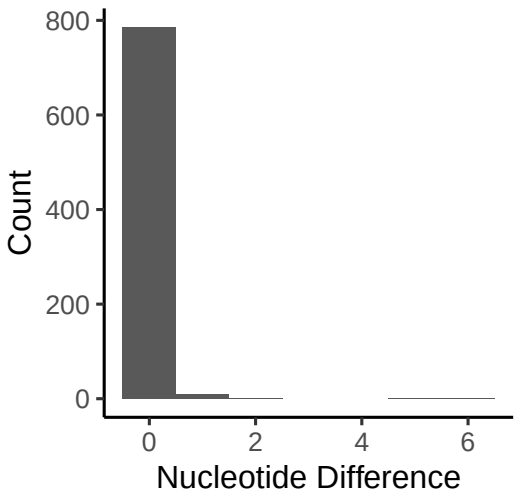
TRBV10−3*ap01

1414 sequences assigned
1391 (98.4%) exact matches, in which:
1362 unique CDR3
13 unique J



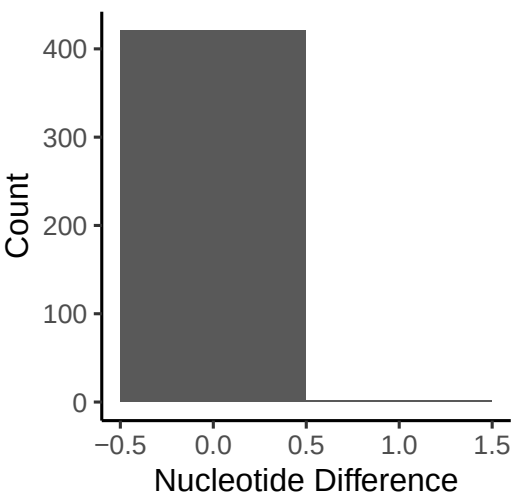
TRBV14*ap01

800 sequences assigned
786 (98.2%) exact matches, in which:
769 unique CDR3
13 unique J



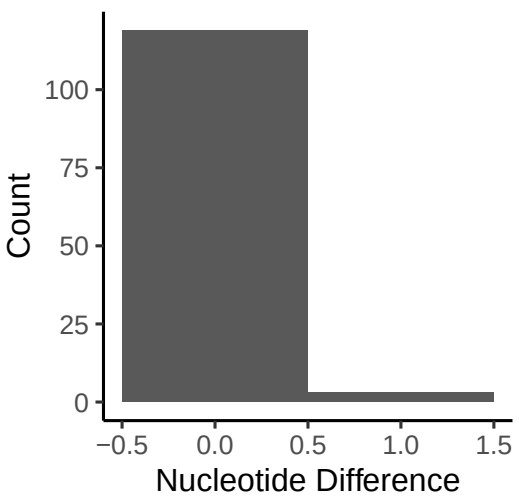
TRBV20−1*ap02

423 sequences assigned
421 (99.5%) exact matches, in which:
409 unique CDR3
13 unique J



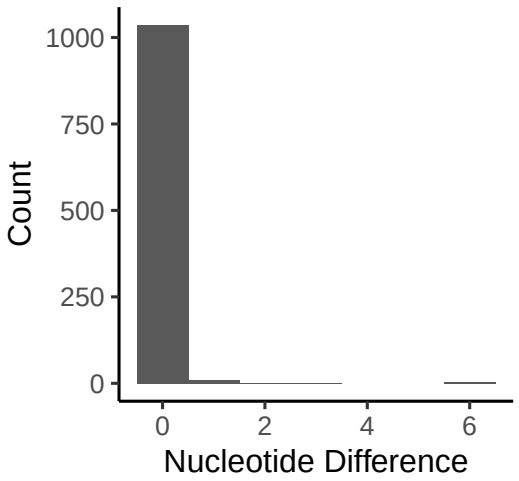
TRBV1*ap01

122 sequences assigned
119 (97.5%) exact matches, in which:
116 unique CDR3
11 unique J



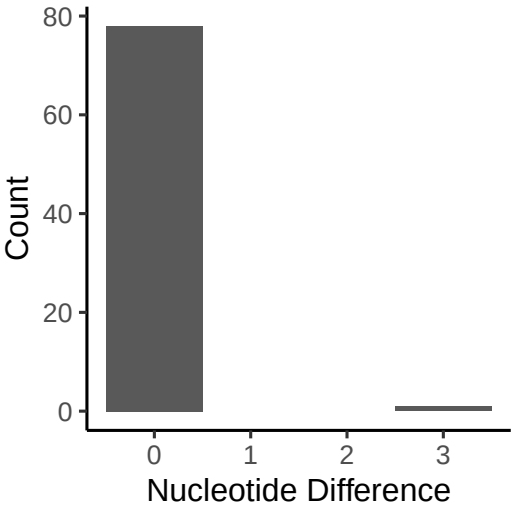
TRBV15*ap02

1050 sequences assigned
1036 (98.7%) exact matches, in which:
1006 unique CDR3
13 unique J



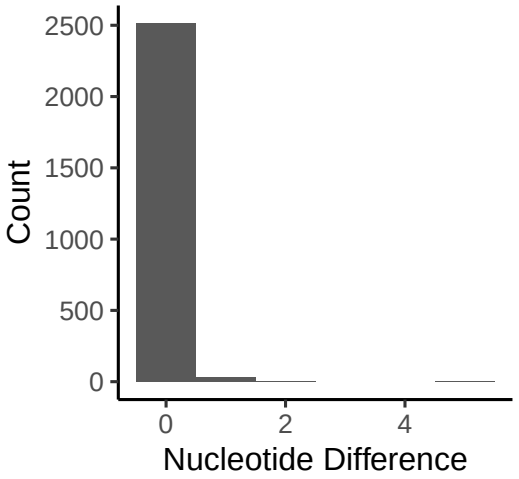
TRBV16*ap01

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



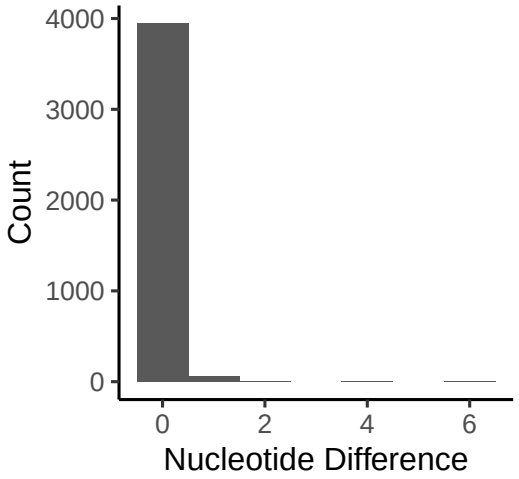
TRBV2*ap01

2545 sequences assigned
2513 (98.7%) exact matches, in which:
2481 unique CDR3
13 unique J



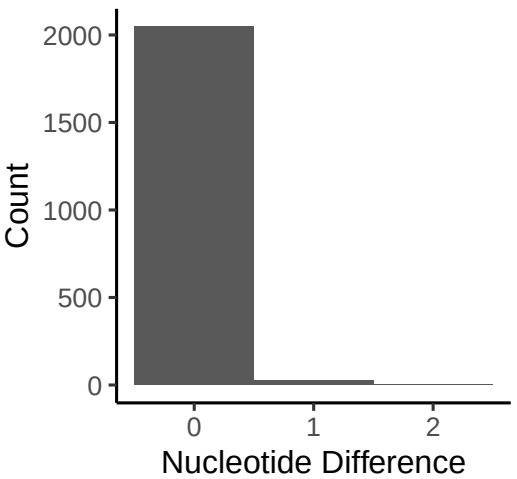
TRBV28*ap01

4009 sequences assigned
3946 (98.4%) exact matches, in which:
3844 unique CDR3
13 unique J



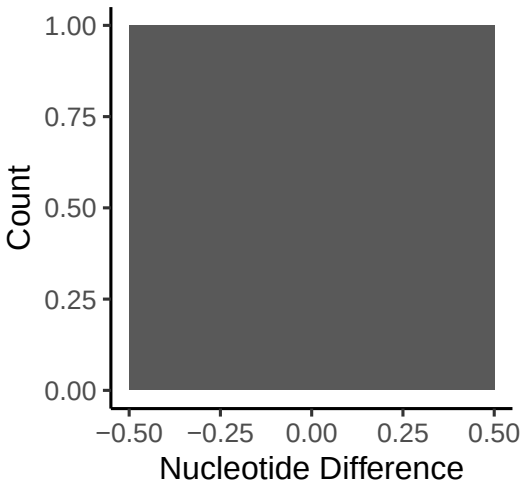
TRBV18*ap01

2071 sequences assigned
2047 (98.8%) exact matches, in which:
2001 unique CDR3
13 unique J



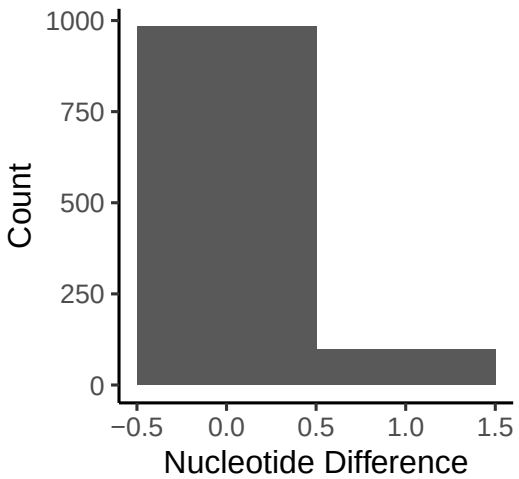
TRBV26*ap01

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



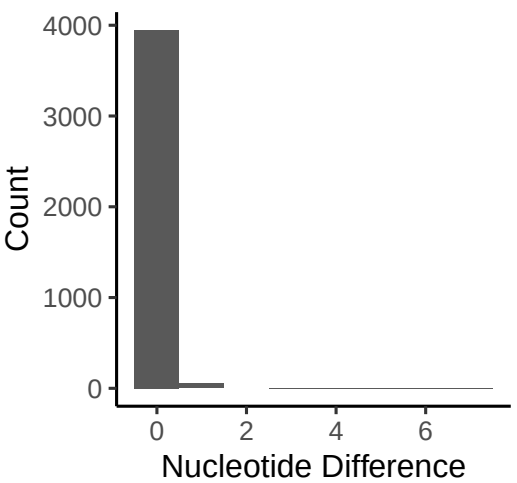
TRBV30*ap01

1081 sequences assigned
983 (90.9%) exact matches, in which:
974 unique CDR3
13 unique J



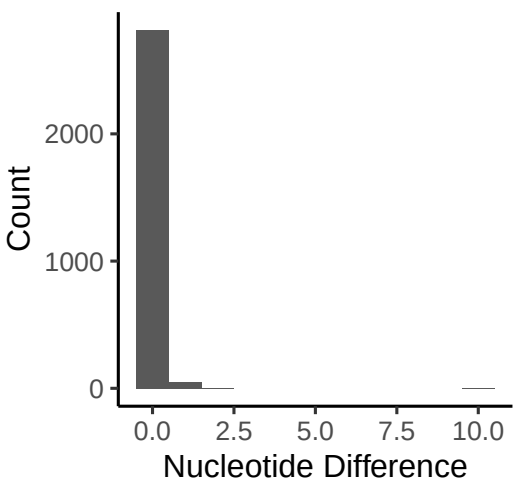
TRBV19*ap01

4007 sequences assigned
3947 (98.5%) exact matches, in which:
3877 unique CDR3
13 unique J



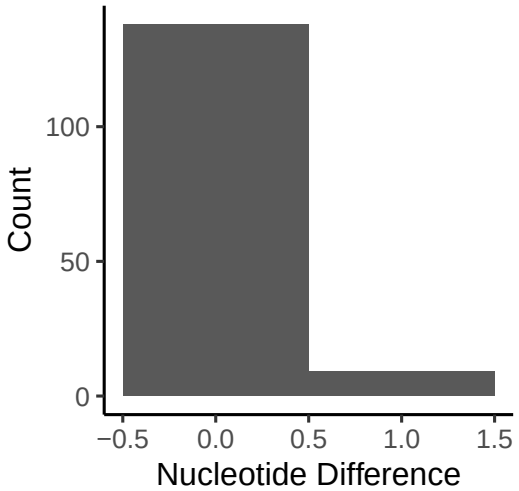
TRBV27*ap01

2867 sequences assigned
2816 (98.2%) exact matches, in which:
2764 unique CDR3
13 unique J



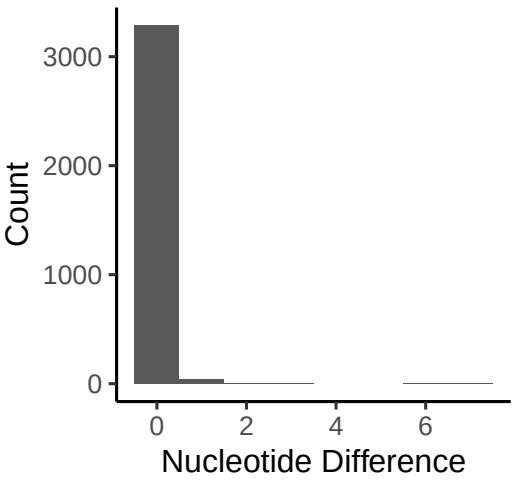
TRBV30*ap03

147 sequences assigned
138 (93.9%) exact matches, in which:
137 unique CDR3
13 unique J



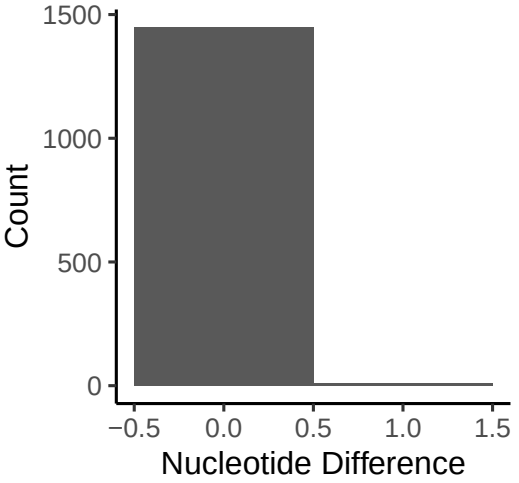
TRBV9*ap01

3337 sequences assigned
3287 (98.5%) exact matches, in which:
3202 unique CDR3
13 unique J



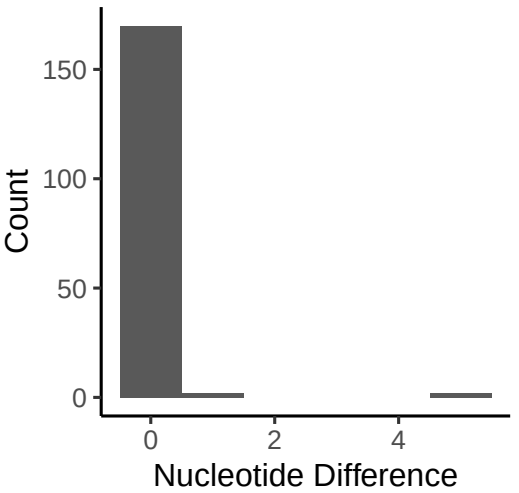
TRBV11−2*ap01

1460 sequences assigned
1448 (99.2%) exact matches, in which:
1424 unique CDR3
13 unique J



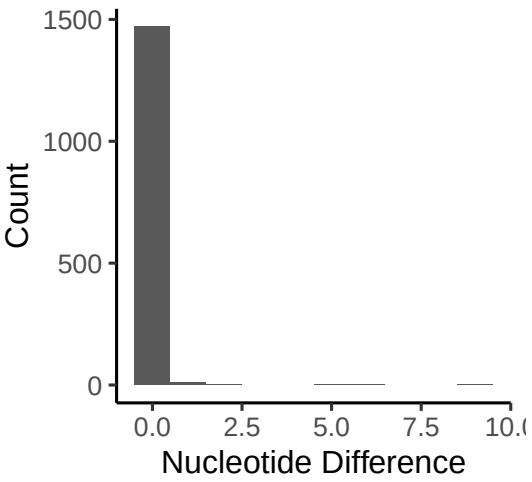
TRBV12−2*ap01

174 sequences assigned
170 (97.7%) exact matches, in which:
168 unique CDR3
13 unique J



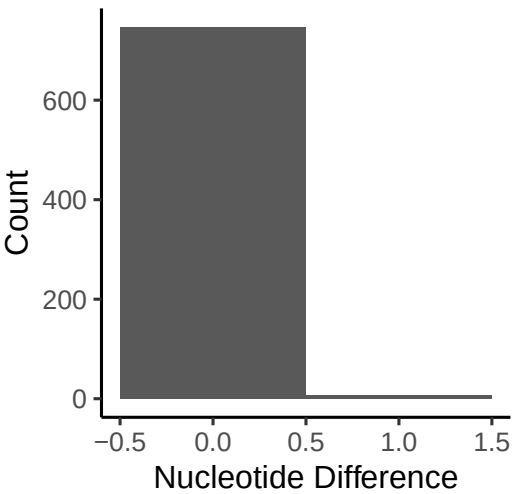
TRBV21−1*ap01

1487 sequences assigned
1470 (98.9%) exact matches, in which:
1434 unique CDR3
13 unique J



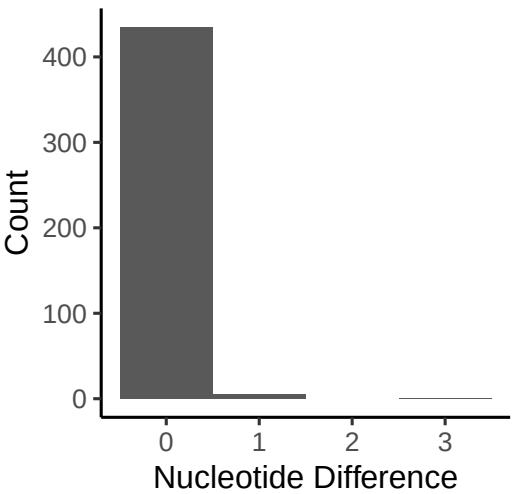
TRBV11−3*ap01

754 sequences assigned
747 (99.1%) exact matches, in which:
732 unique CDR3
13 unique J



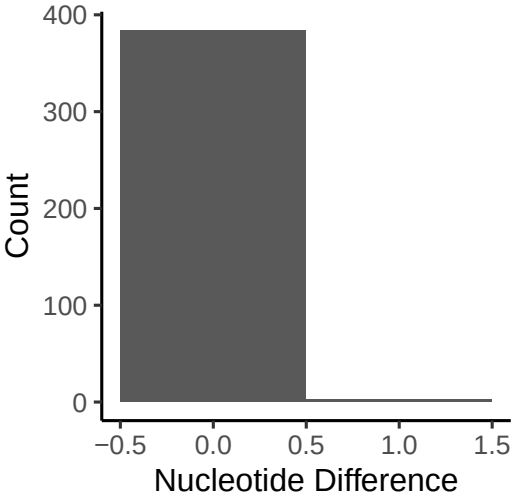
TRBV12−5*ap01

441 sequences assigned
435 (98.6%) exact matches, in which:
419 unique CDR3
13 unique J



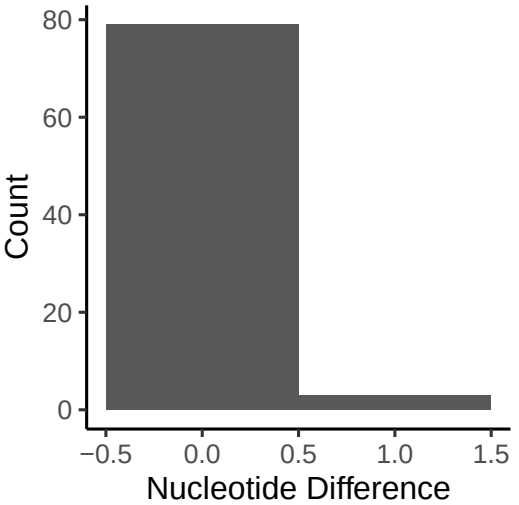
TRBV11−1*ap01

387 sequences assigned
384 (99.2%) exact matches, in which:
376 unique CDR3
13 unique J



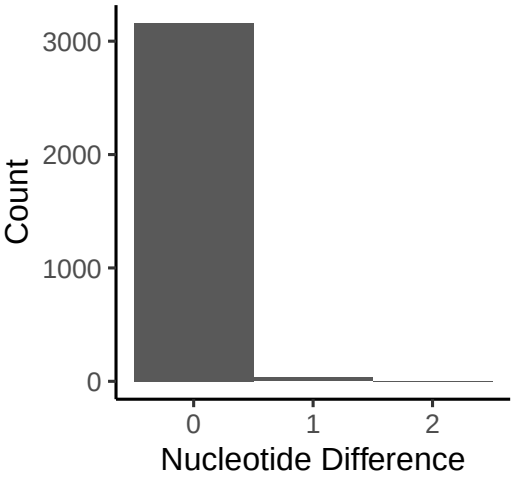
TRBV12−1*ap01

82 sequences assigned
79 (96.3%) exact matches, in which:
78 unique CDR3
13 unique J



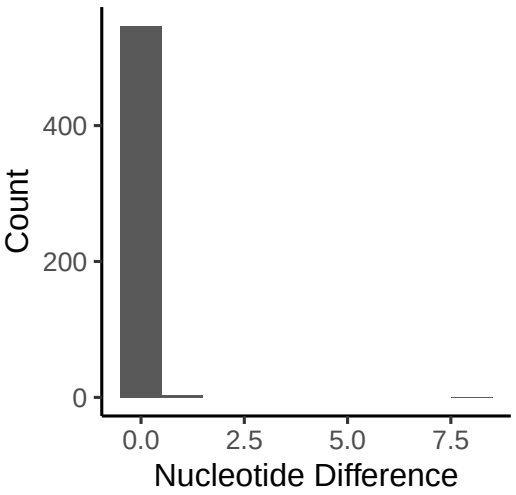
TRBV12−34*ap01

3195 sequences assigned
3160 (98.9%) exact matches, in which:
3103 unique CDR3
13 unique J



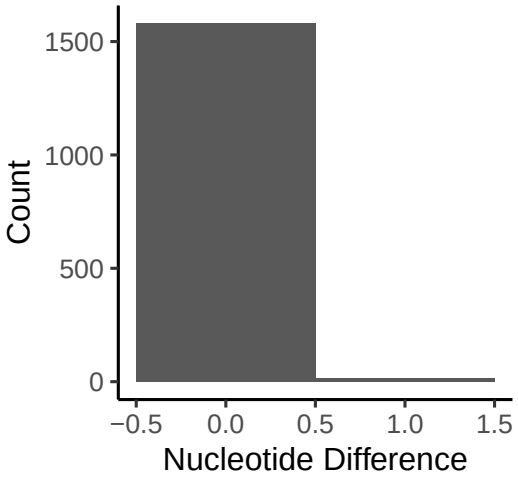
TRBV23−1*ap01

552 sequences assigned
547 (99.1%) exact matches, in which:
540 unique CDR3
13 unique J



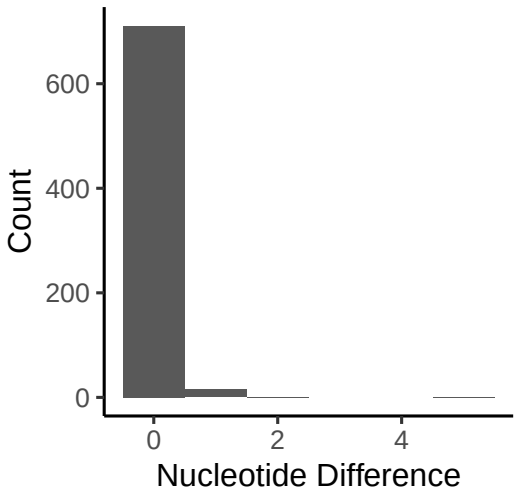
TRBV4−1*ap01

1595 sequences assigned
1580 (99.1%) exact matches, in which:
1555 unique CDR3
13 unique J



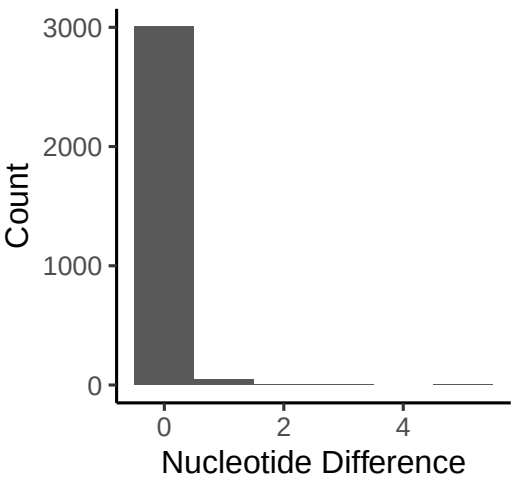
TRBV25−1*ap01

728 sequences assigned
711 (97.7%) exact matches, in which:
704 unique CDR3
13 unique J



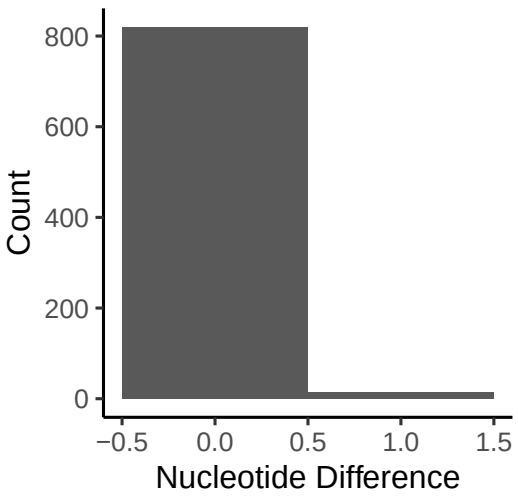
TRBV3−12*ap01

3055 sequences assigned
3005 (98.4%) exact matches, in which:
2946 unique CDR3
13 unique J



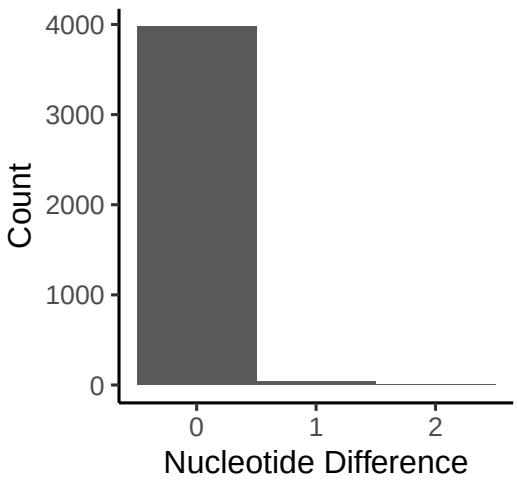
TRBV4−2*ap01

835 sequences assigned
820 (98.2%) exact matches, in which:
806 unique CDR3
13 unique J



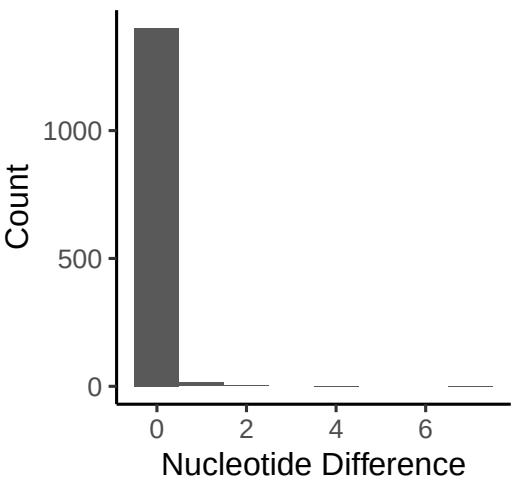
TRBV5−1*ap01

4018 sequences assigned
3975 (98.9%) exact matches, in which:
3883 unique CDR3
13 unique J



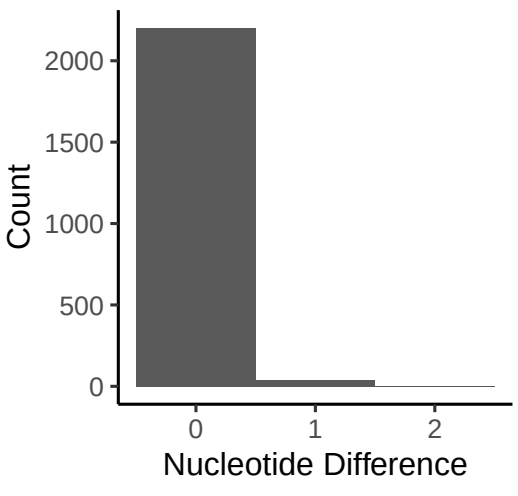
TRBV24−1*ap01

1421 sequences assigned
1401 (98.6%) exact matches, in which:
1388 unique CDR3
13 unique J



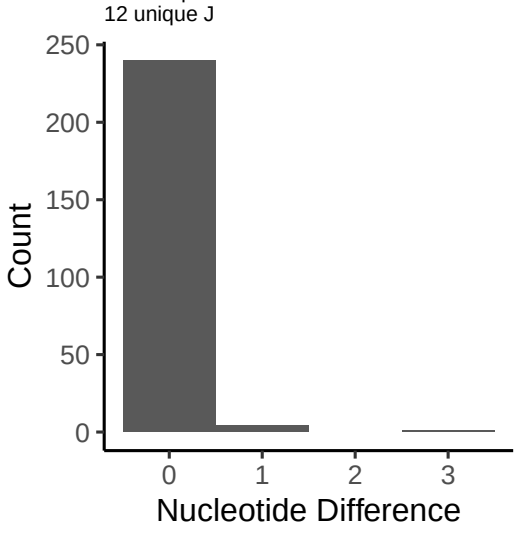
TRBV4−3*ap01

2239 sequences assigned
2201 (98.3%) exact matches, in which:
2167 unique CDR3
13 unique J



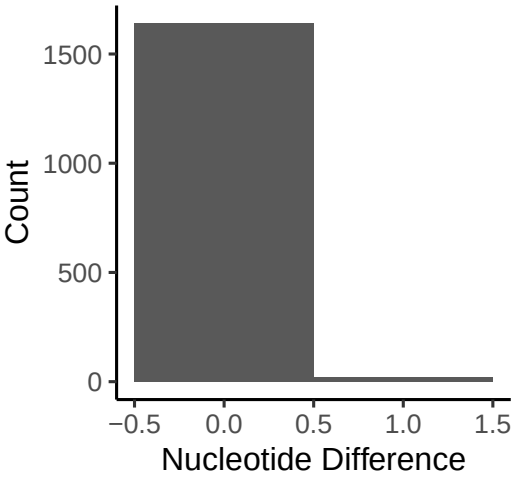
TRBV5−3*ap01

245 sequences assigned
240 (98%) exact matches, in which:
234 unique CDR3
12 unique J



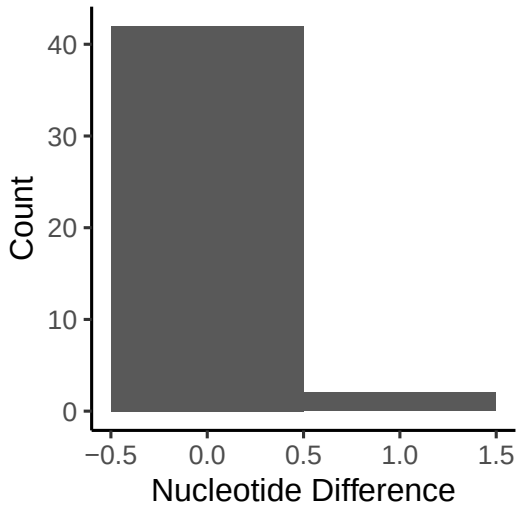
TRBV5−4*ap01

1661 sequences assigned
1640 (98.7%) exact matches, in which:
1613 unique CDR3
13 unique J



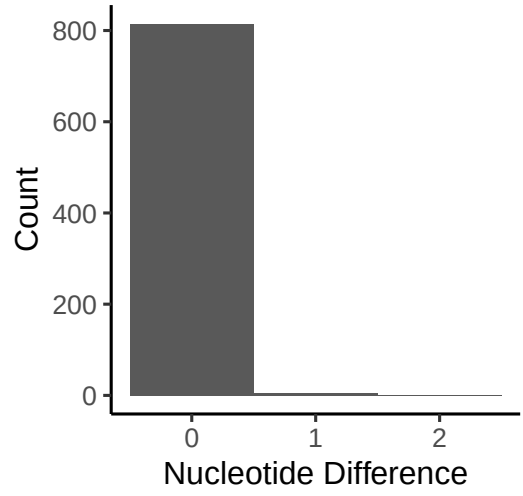
TRBV5−7*ap01

44 sequences assigned
42 (95.5%) exact matches, in which:
41 unique CDR3
10 unique J



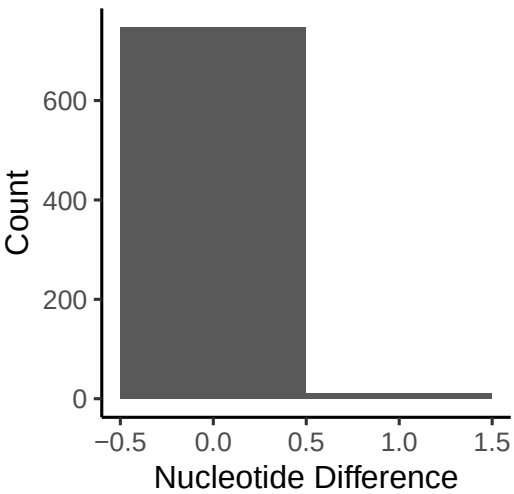
TRBV6−4*ap01

821 sequences assigned
815 (99.3%) exact matches, in which:
797 unique CDR3
13 unique J



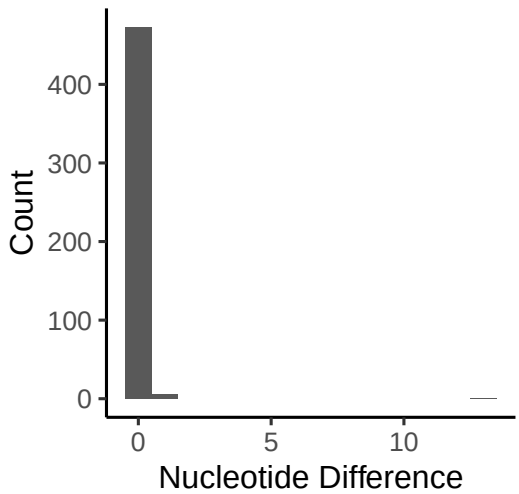
TRBV5−5*ap01

759 sequences assigned
748 (98.6%) exact matches, in which:
726 unique CDR3
13 unique J



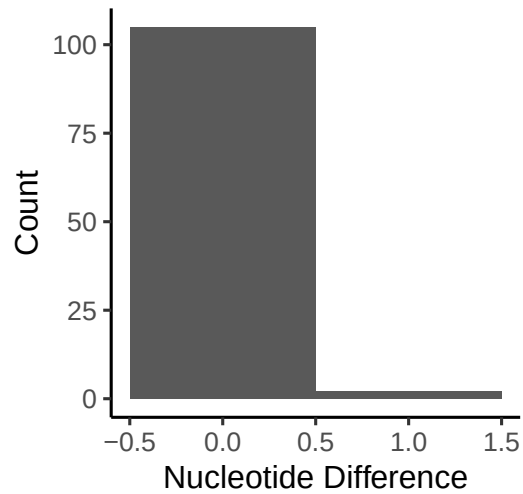
TRBV5−8*ap01

480 sequences assigned
473 (98.5%) exact matches, in which:
461 unique CDR3
13 unique J



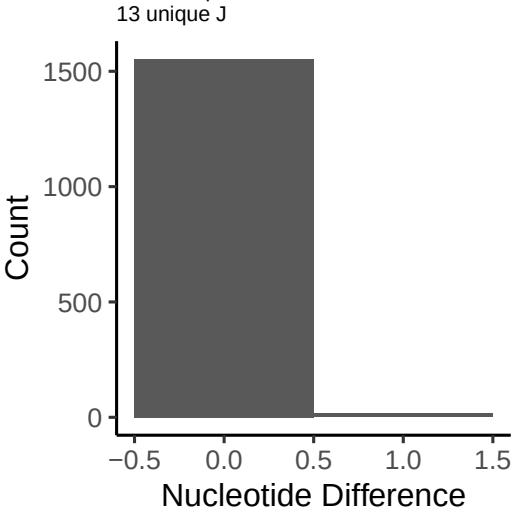
TRBV6−7*ap01

107 sequences assigned
105 (98.1%) exact matches, in which:
101 unique CDR3
13 unique J



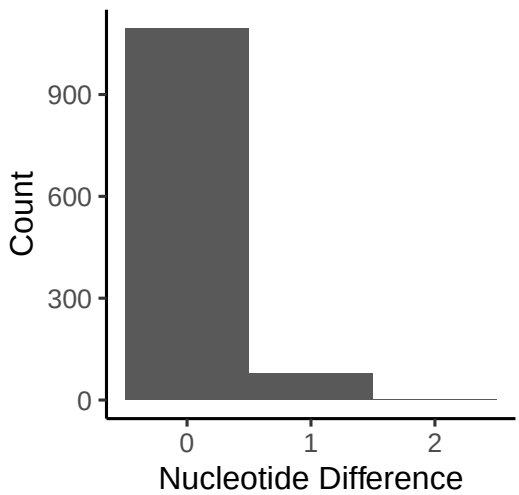
TRBV5−6*ap01

1570 sequences assigned
1553 (98.9%) exact matches, in which:
1530 unique CDR3
13 unique J



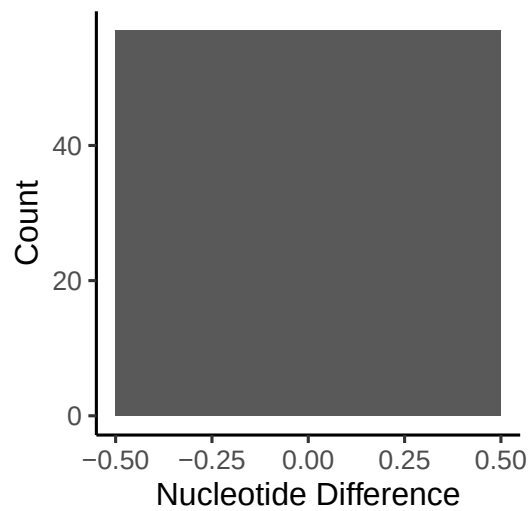
TRBV6−1*ap01

1174 sequences assigned
1095 (93.3%) exact matches, in which:
1079 unique CDR3
13 unique J



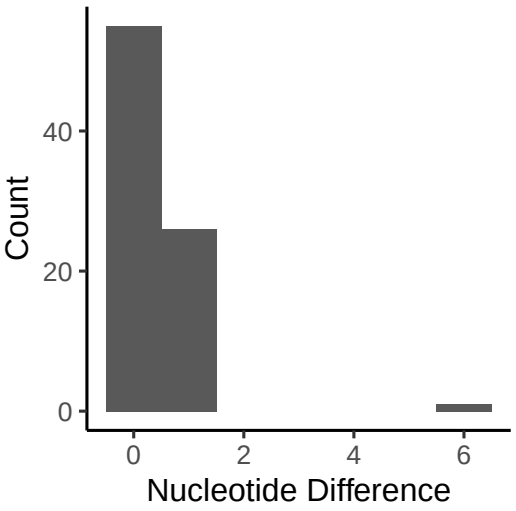
TRBV6−8*ap01

57 sequences assigned
57 (100%) exact matches, in which:
56 unique CDR3
9 unique J



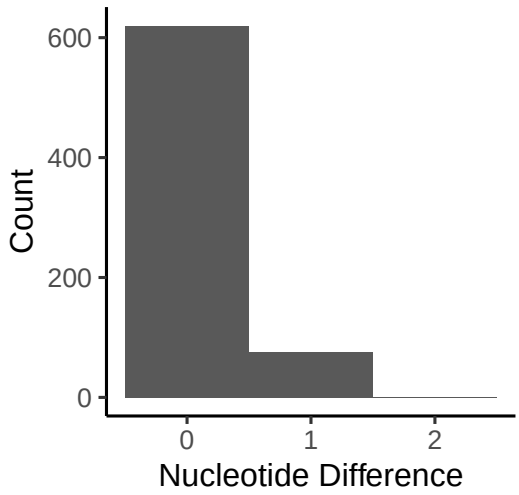
TRBV6−9*ap01

82 sequences assigned
55 (67.1%) exact matches, in which:
51 unique CDR3
12 unique J



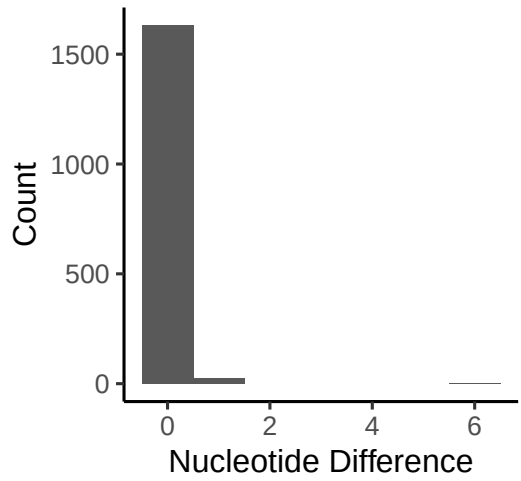
TRBV6−56*ap02

697 sequences assigned
620 (89%) exact matches, in which:
610 unique CDR3
13 unique J



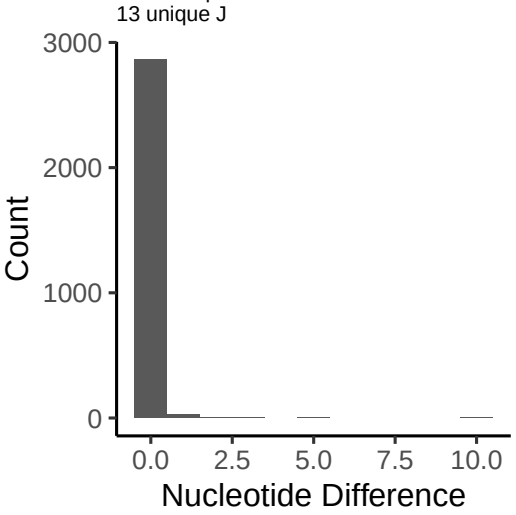
TRBV7−3*ap01

1655 sequences assigned
1631 (98.5%) exact matches, in which:
1597 unique CDR3
13 unique J



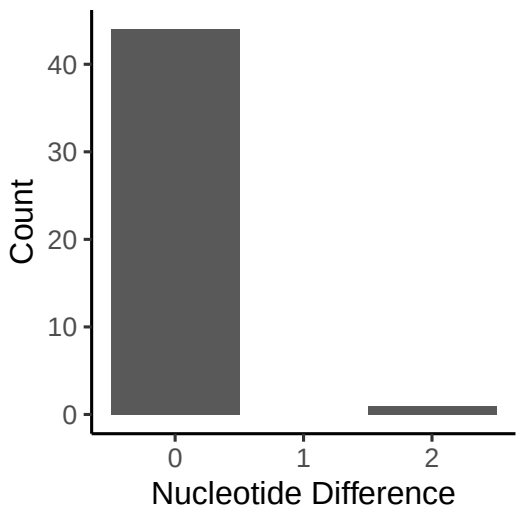
TRBV6−23*ap01

2898 sequences assigned
2862 (98.8%) exact matches, in which:
2827 unique CDR3
13 unique J



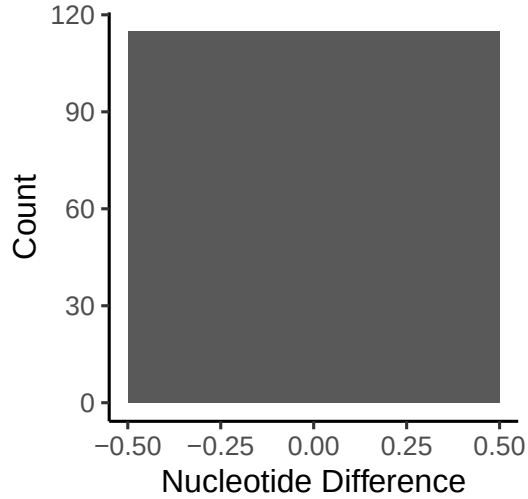
TRBV7−1*ap01_G291C_T

45 sequences assigned
44 (97.8%) exact matches, in which:
43 unique CDR3
13 unique J



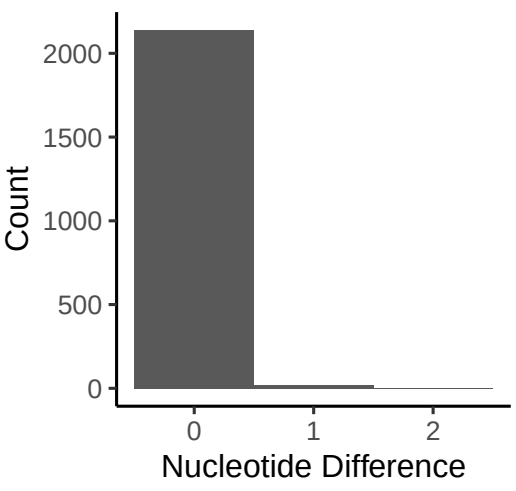
TRBV7−4*ap01

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



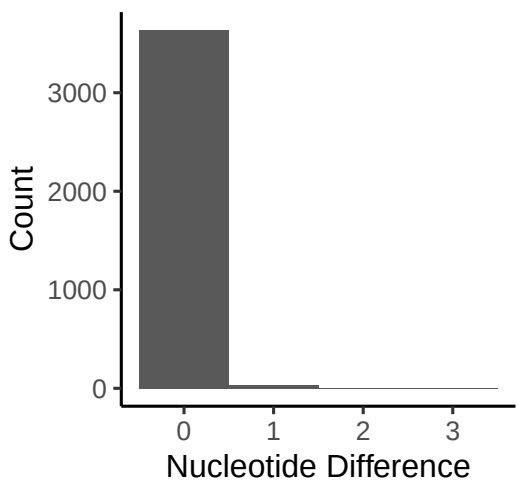
TRBV6−56*ap01

2160 sequences assigned
2139 (99%) exact matches, in which:
2107 unique CDR3
13 unique J



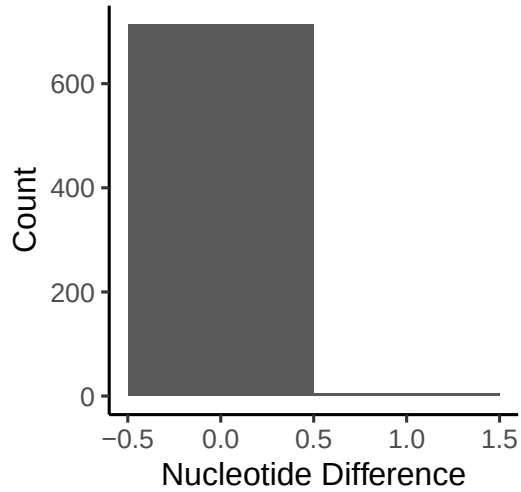
TRBV7−2*ap01

3670 sequences assigned
3636 (99.1%) exact matches, in which:
3553 unique CDR3
13 unique J



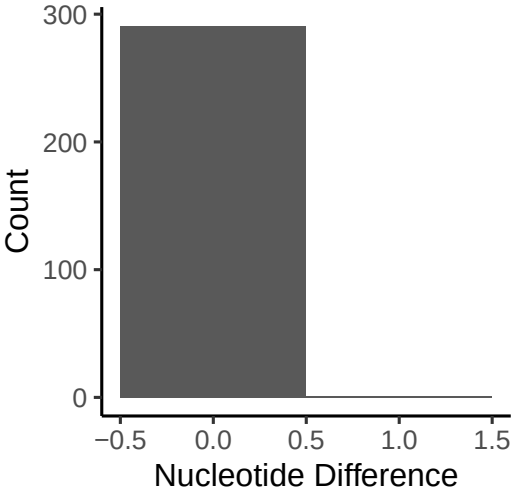
TRBV7−6*ap01

719 sequences assigned
714 (99.3%) exact matches, in which:
698 unique CDR3
13 unique J



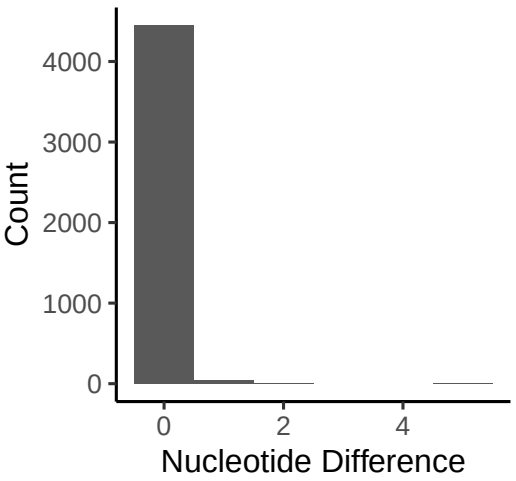
TRBV7−7*ap01_C315T

292 sequences assigned
291 (99.7%) exact matches, in which:
284 unique CDR3
13 unique J



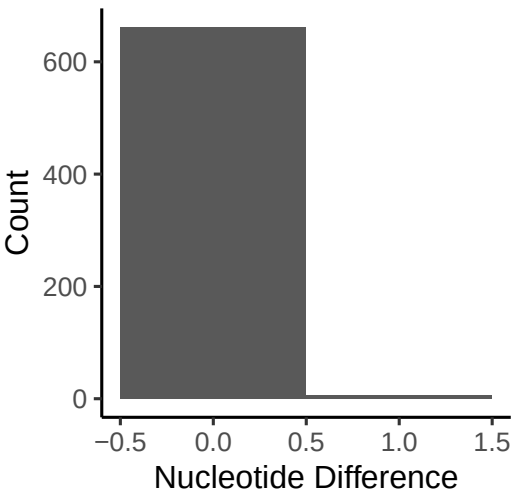
TRBV7−9*ap01

4496 sequences assigned
4448 (98.9%) exact matches, in which:
4384 unique CDR3
13 unique J



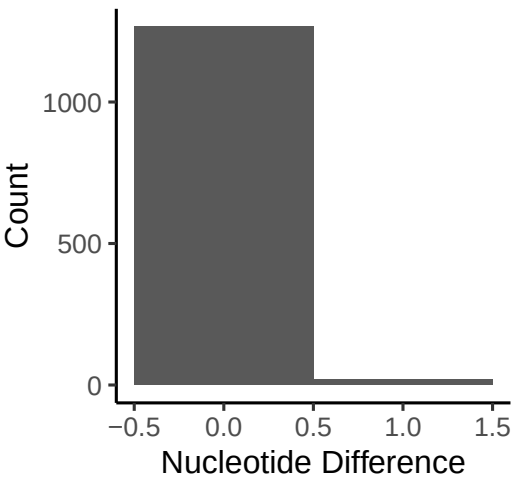
TRBV7−8*ap01

668 sequences assigned
662 (99.1%) exact matches, in which:
651 unique CDR3
13 unique J



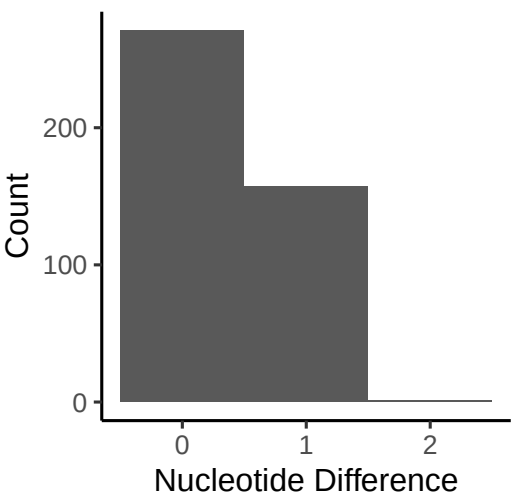
TRBV29−1*ap01

1286 sequences assigned
1266 (98.4%) exact matches, in which:
1243 unique CDR3
13 unique J



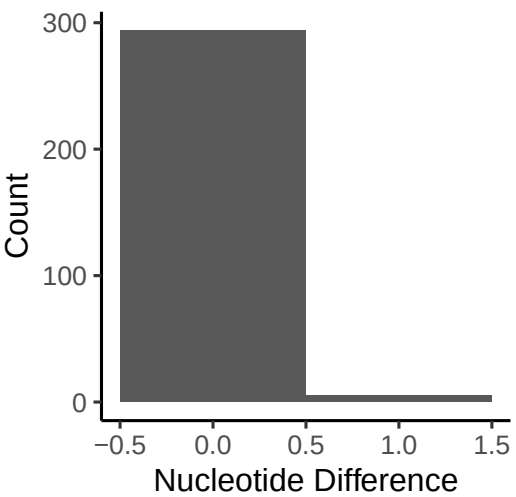
TRBV7−8*ap03

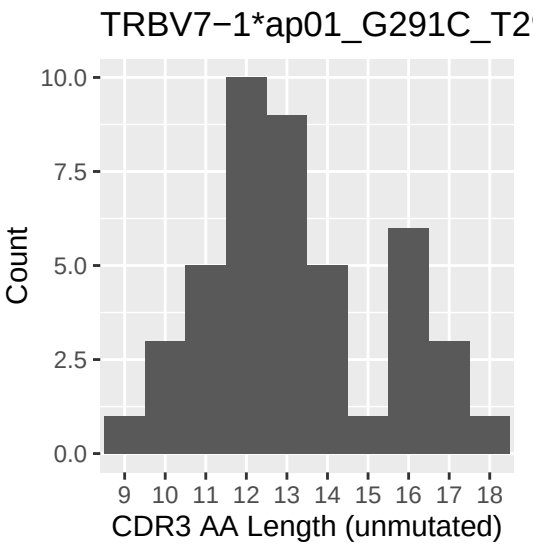
429 sequences assigned
271 (63.2%) exact matches, in which:
268 unique CDR3
13 unique J

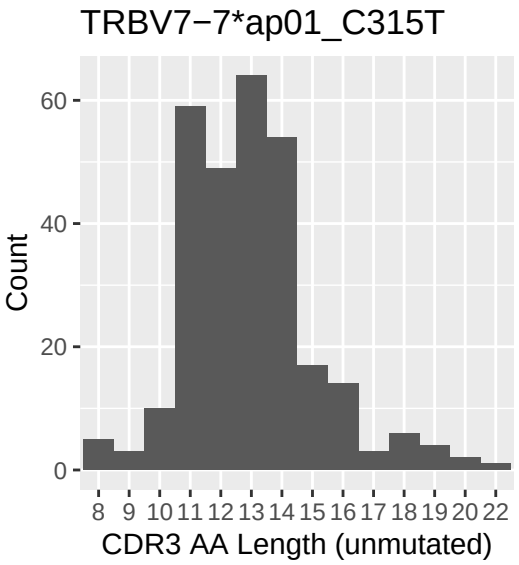


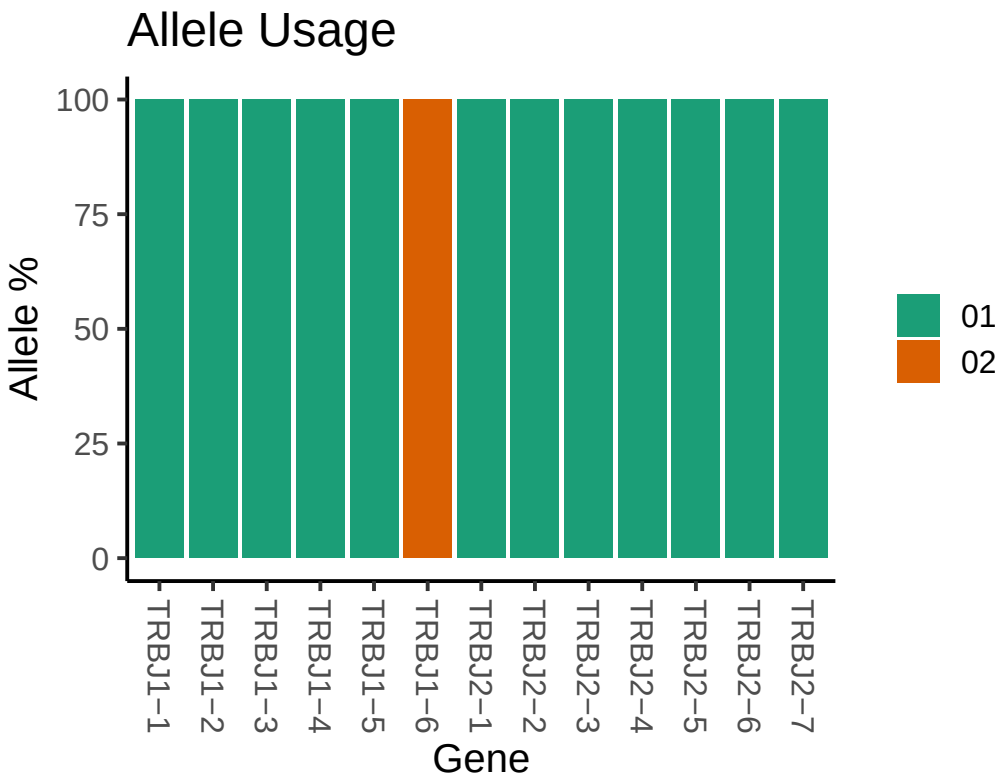
TRBV29−1*ap02

299 sequences assigned
294 (98.3%) exact matches, in which:
290 unique CDR3
13 unique J




TRBV7−1*ap01_G291C_T296C
10.0
7.5
5.0
2.5
0.0
Count
9 10 11 12 13 14 15 16 17 18
CDR3 AA Length (unmutated)


TRBV7−7*ap01_C315T
60
40
20
0
Count
8 9 10 11 12 13 14 15 16 17 18 19 20 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
Gene
01
02

Warning − no inferred sequences found.

Warning − no inferred sequences found.

Warning − no inferred sequences found.