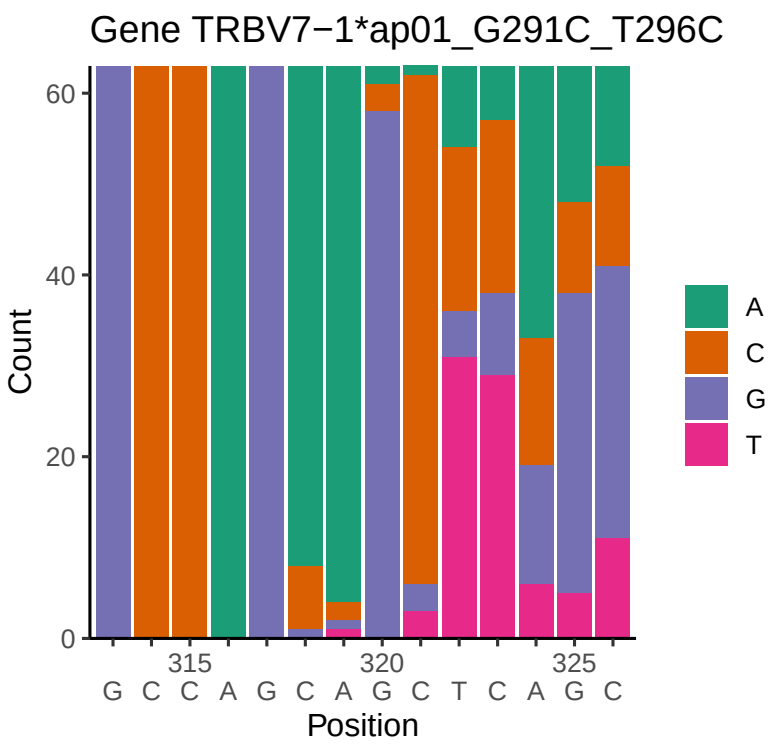
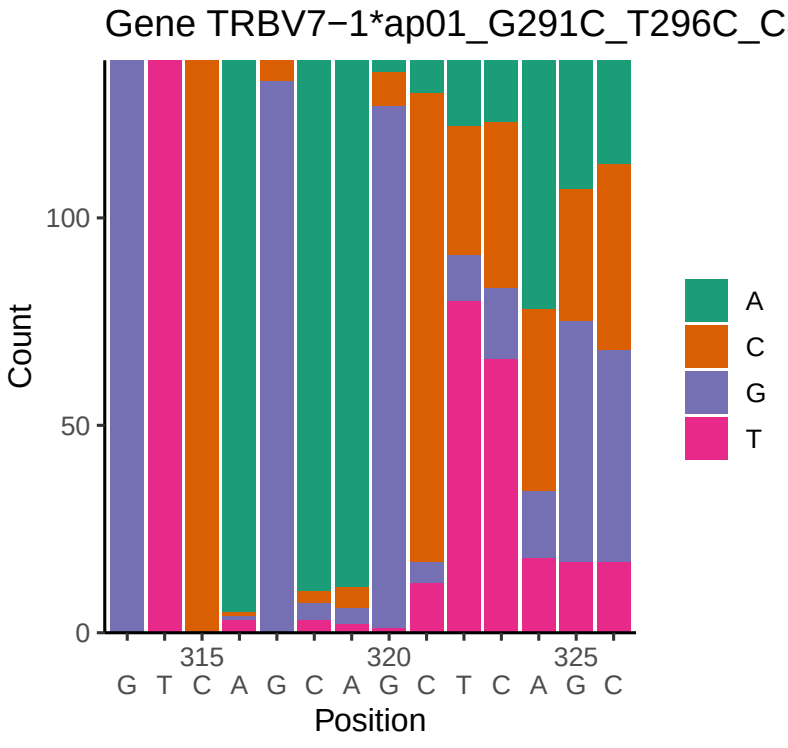
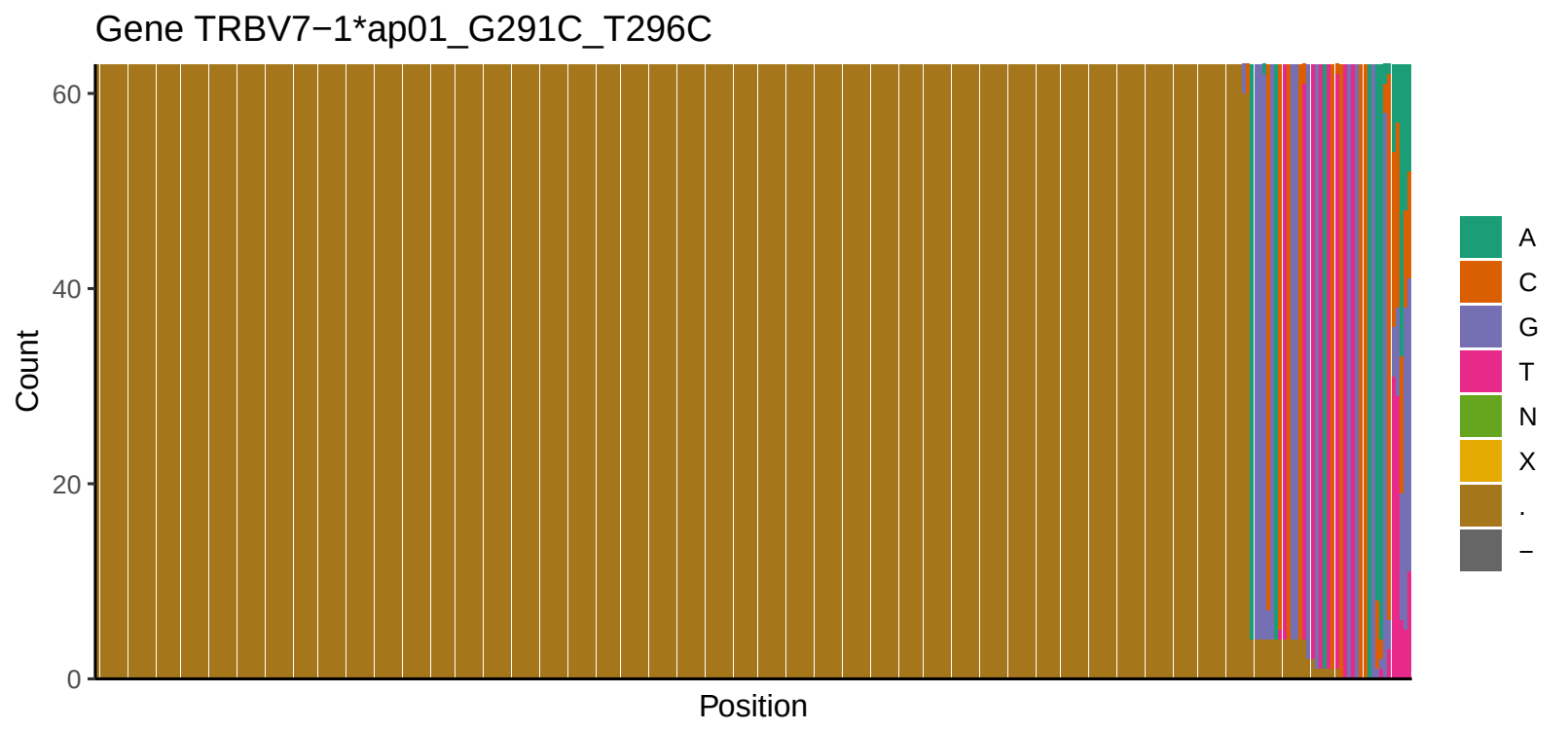
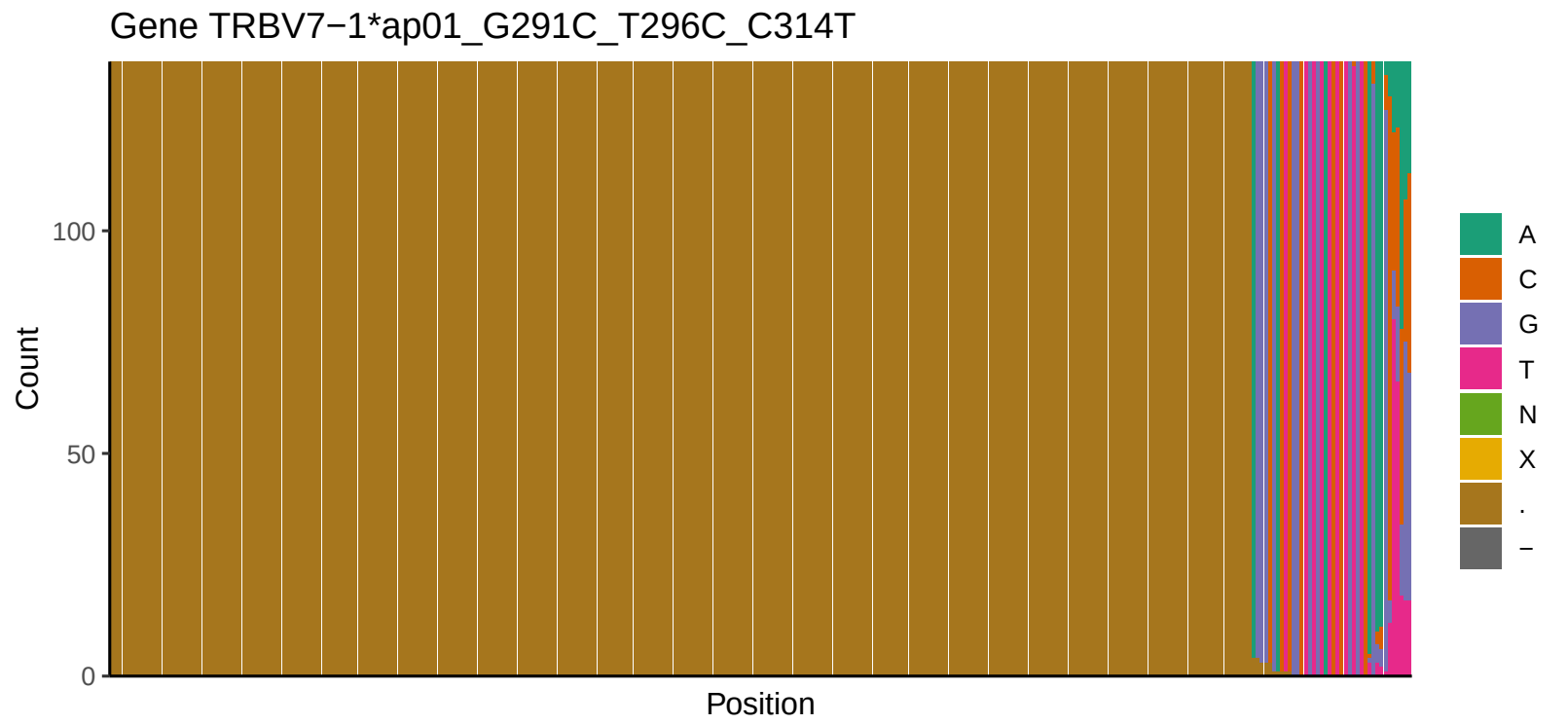
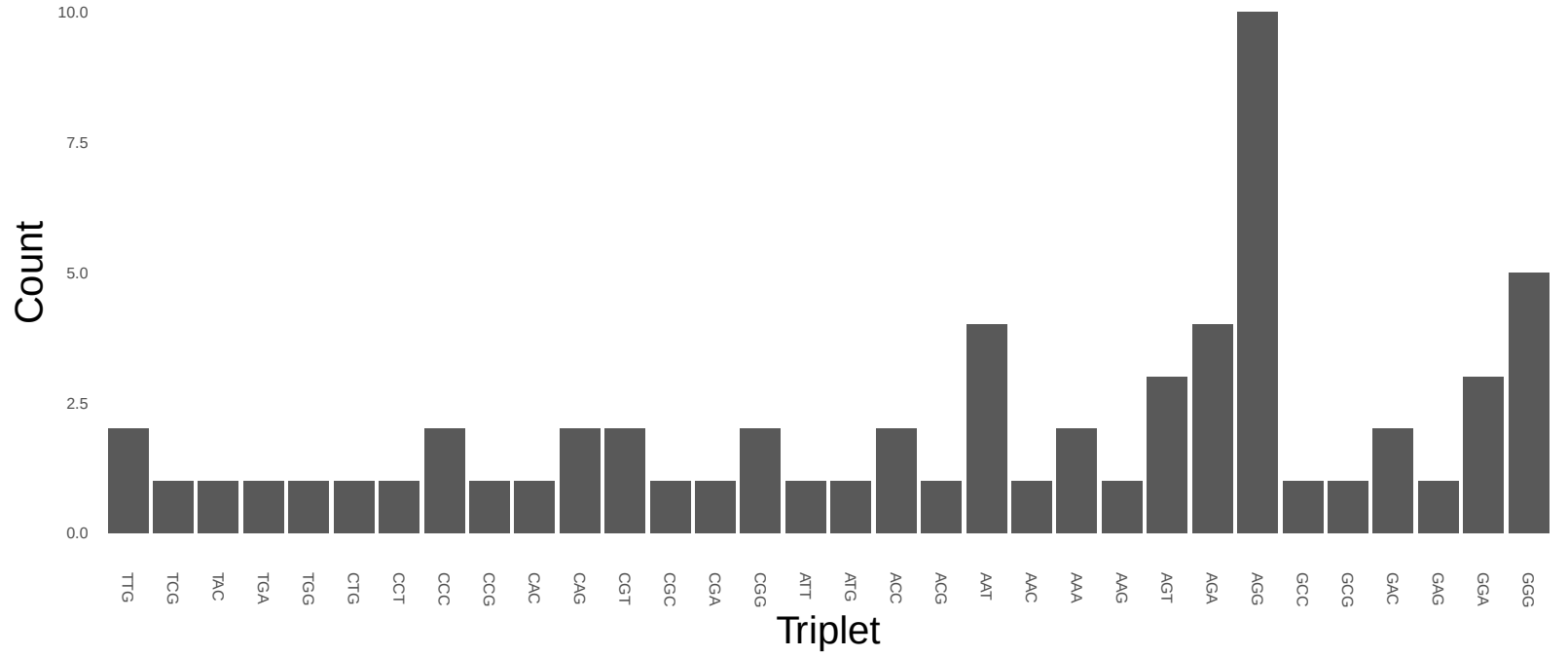

Gene TRBV7−1*ap01_G291C_T296C
Count
60
40
20
0
315
320
325
G C C A G C A G C T C A G C
Position
A
C
G
T


Gene TRBV7−1*ap01_G291C_T296C_C314T
Count
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

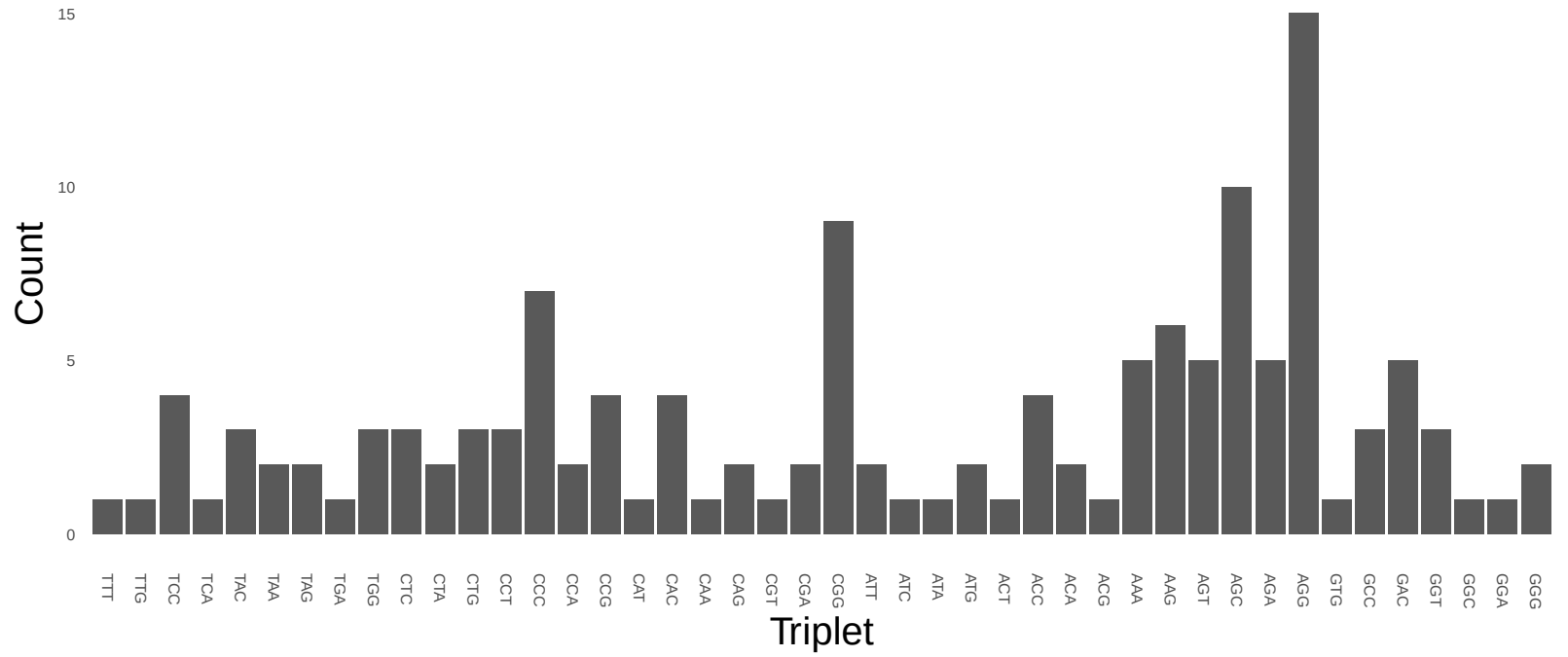

Gene TRBV7−1*ap01_G291C_T296C
Count
60
40
20
0
Position
A
C
G
T
N
X
.
–


Gene TRBV7−1*ap01_G291C_T296C_C314T
Count
100
50
0
Position
A
C
G
T
N
X
.
–

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

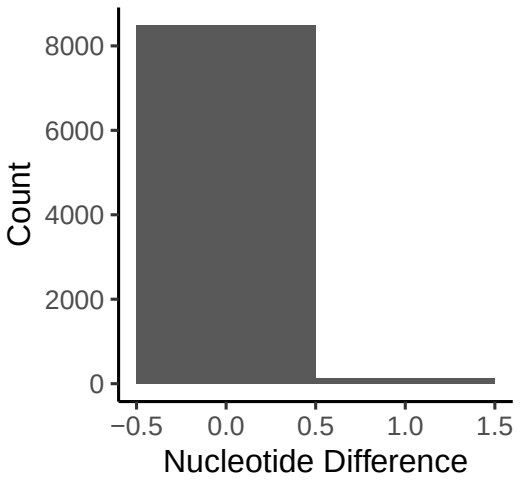


TRBV7−1*ap01_G291C_T296C_C314T− Final 3 nucleotides as a triplet



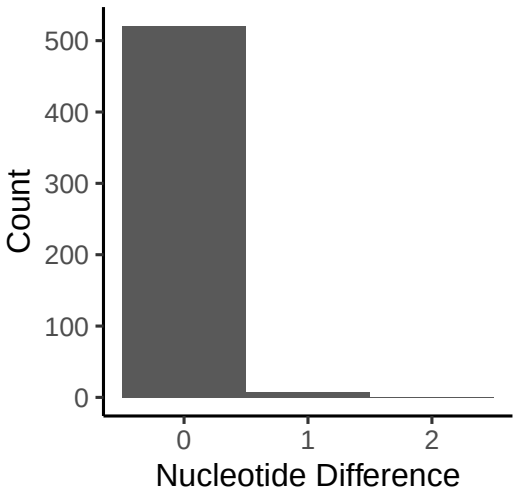
TRBV20−1*ap01

8605 sequences assigned
8485 (98.6%) exact matches, in which:
8315 unique CDR3
13 unique J



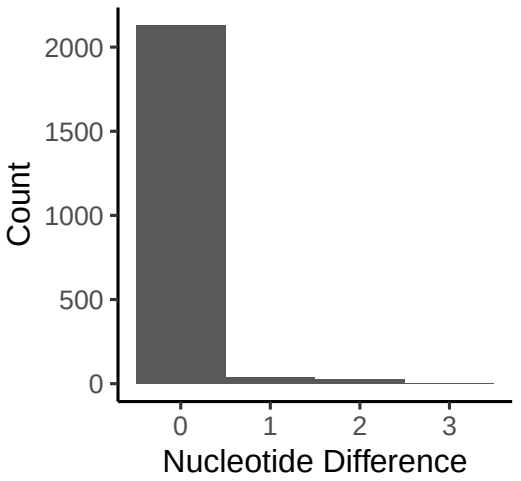
TRBV10−2*ap01

530 sequences assigned
521 (98.3%) exact matches, in which:
510 unique CDR3
13 unique J



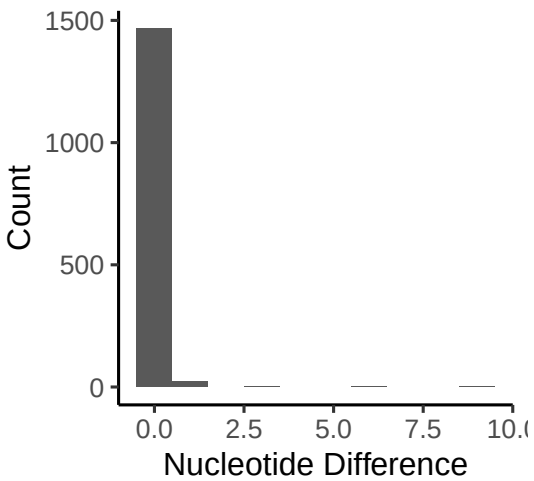
TRBV13*ap01

2194 sequences assigned
2129 (97%) exact matches, in which:
2071 unique CDR3
13 unique J



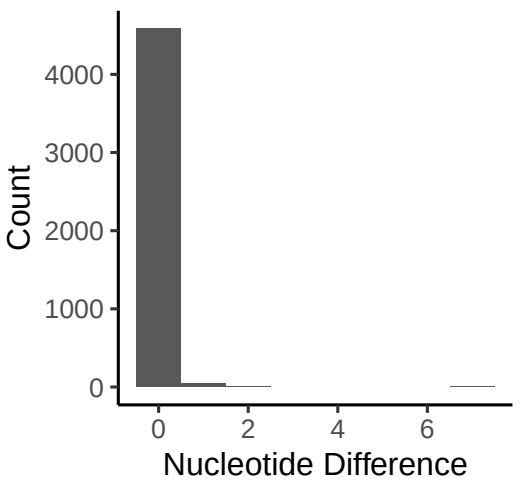
TRBV10−1*ap01

1494 sequences assigned
1466 (98.1%) exact matches, in which:
1434 unique CDR3
13 unique J



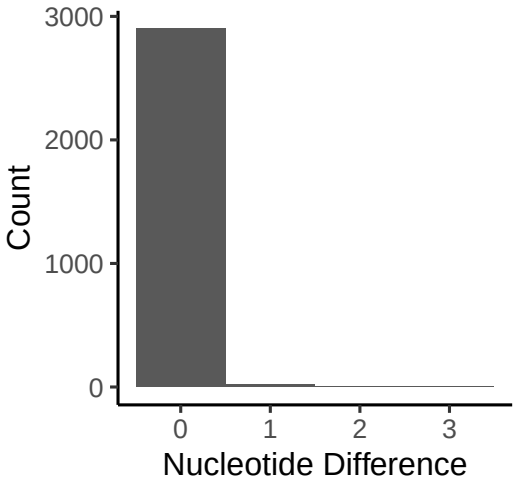
TRBV10−3*ap01

4632 sequences assigned
4584 (99%) exact matches, in which:
4478 unique CDR3
13 unique J



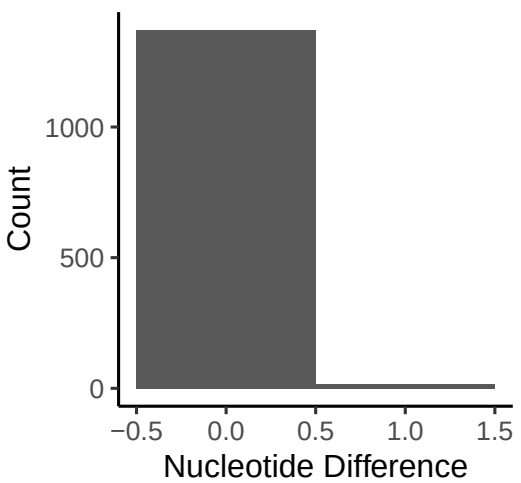
TRBV14*ap01

2925 sequences assigned
2900 (99.1%) exact matches, in which:
2827 unique CDR3
13 unique J



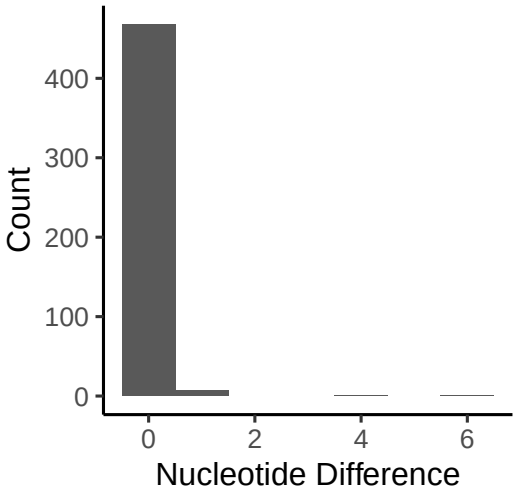
TRBV20−1*ap02

1388 sequences assigned
1371 (98.8%) exact matches, in which:
1335 unique CDR3
13 unique J



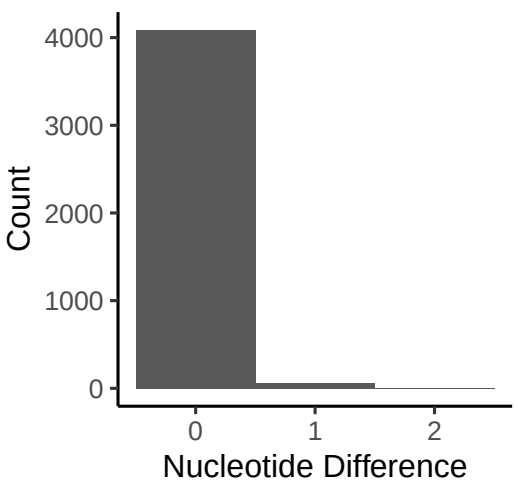
TRBV1*ap01

477 sequences assigned
468 (98.1%) exact matches, in which:
455 unique CDR3
13 unique J



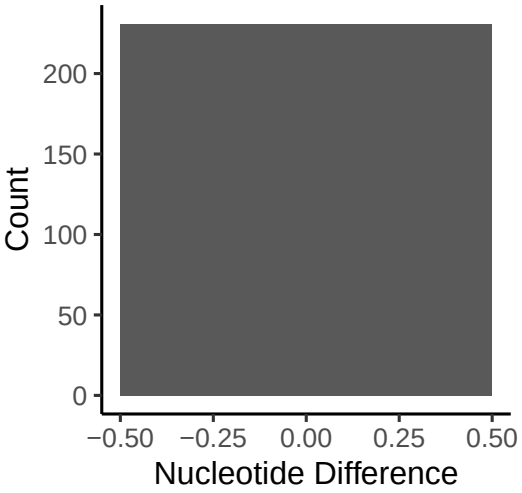
TRBV15*ap02

4149 sequences assigned
4086 (98.5%) exact matches, in which:
3983 unique CDR3
13 unique J



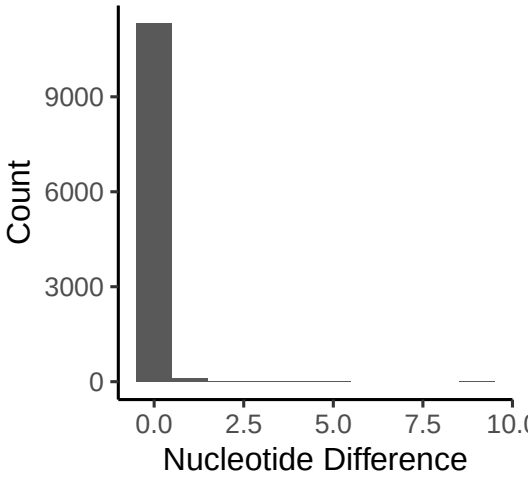
TRBV16*ap01

231 sequences assigned
231 (100%) exact matches, in which:
230 unique CDR3
13 unique J



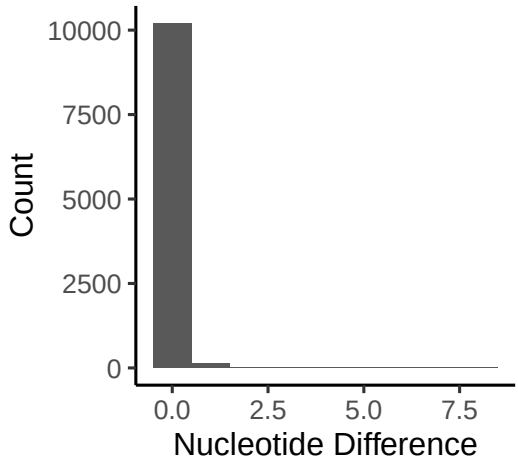
TRBV19*ap01

11450 sequences assigned
11319 (98.9%) exact matches, in which:
11169 unique CDR3
13 unique J



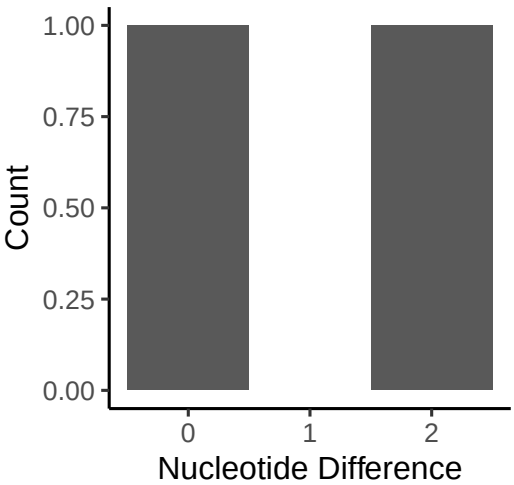
TRBV27*ap01

10352 sequences assigned
10206 (98.6%) exact matches, in which:
9959 unique CDR3
13 unique J



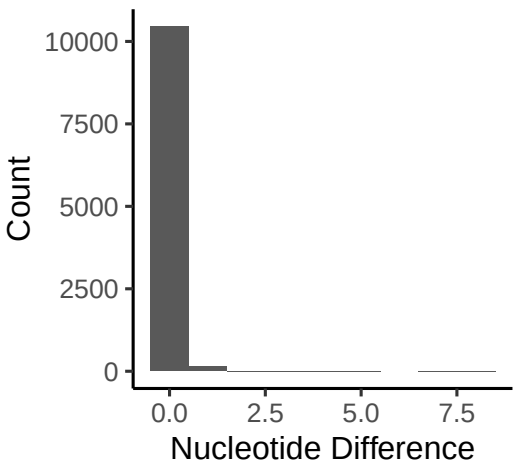
TRBV17*ap01

2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
1 unique J



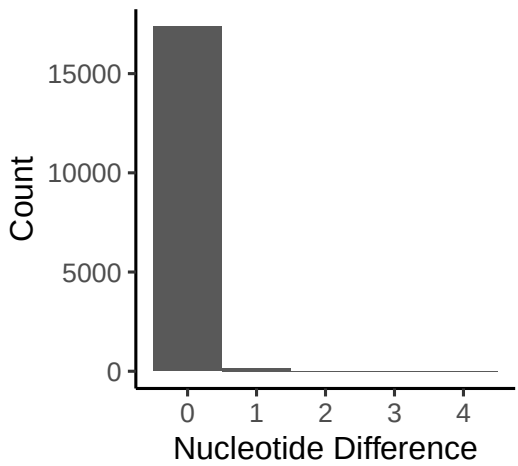
TRBV2*ap01

10611 sequences assigned
10454 (98.5%) exact matches, in which:
10233 unique CDR3
13 unique J



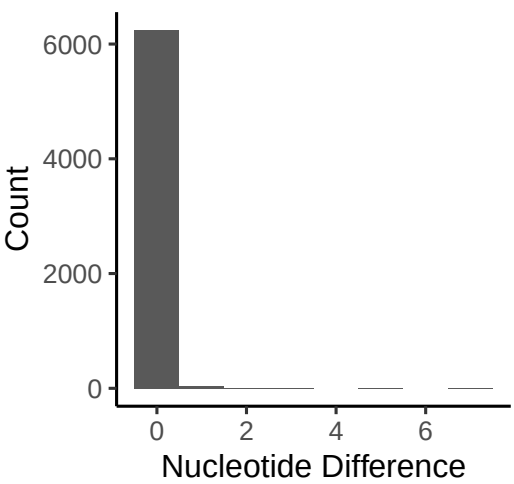
TRBV28*ap01

17555 sequences assigned
17376 (99%) exact matches, in which:
17000 unique CDR3
13 unique J



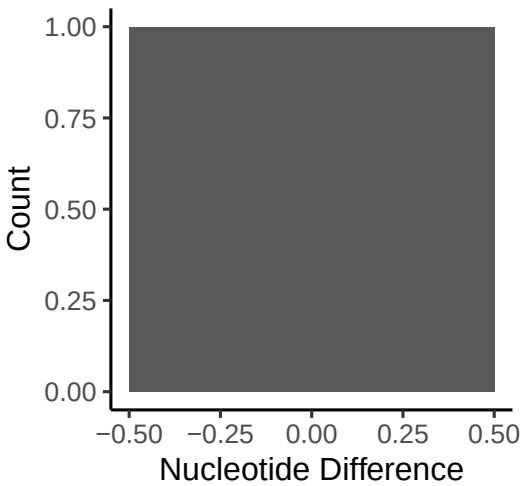
TRBV18*ap01

6287 sequences assigned
6244 (99.3%) exact matches, in which:
6162 unique CDR3
13 unique J



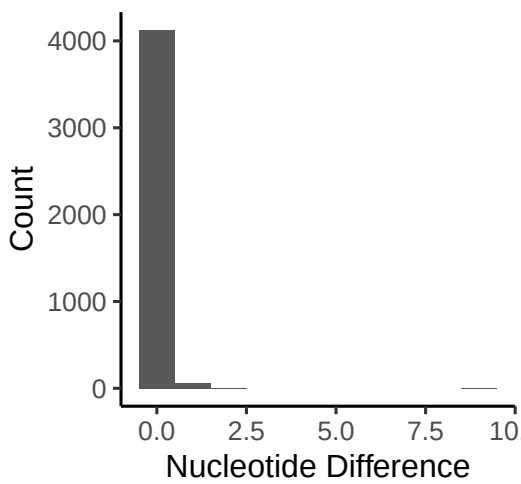
TRBV26*ap01

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



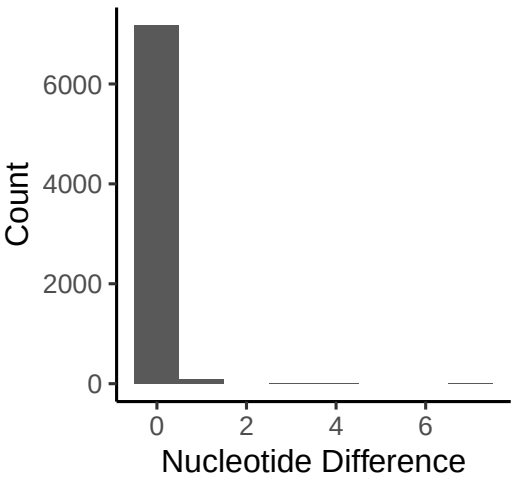
TRBV30*ap01

4193 sequences assigned
4125 (98.4%) exact matches, in which:
4077 unique CDR3
13 unique J



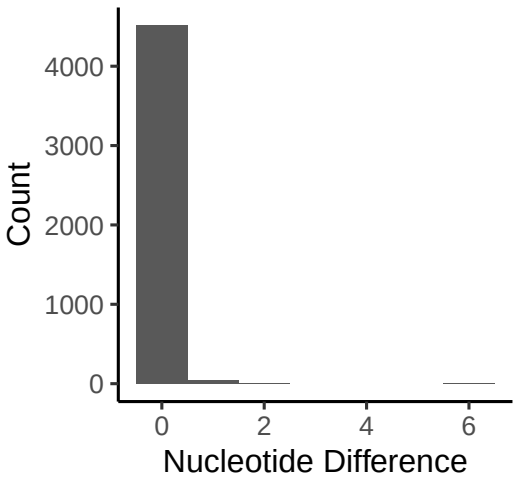
TRBV9*ap01

7270 sequences assigned
7172 (98.7%) exact matches, in which:
7025 unique CDR3
13 unique J



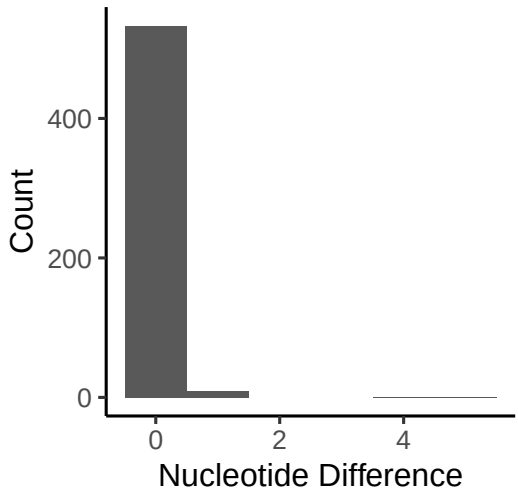
TRBV11−2*ap01

4565 sequences assigned
4514 (98.9%) exact matches, in which:
4399 unique CDR3
13 unique J



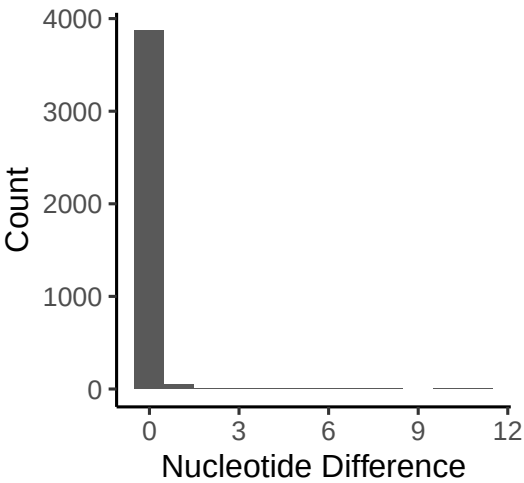
TRBV12−2*ap01

544 sequences assigned
533 (98%) exact matches, in which:
522 unique CDR3
13 unique J



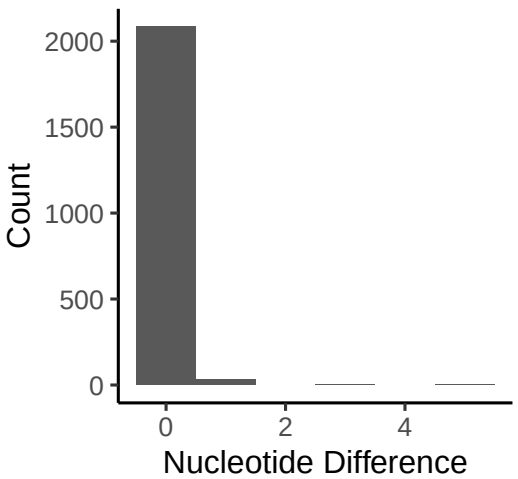
TRBV21−1*ap01

3938 sequences assigned
3869 (98.2%) exact matches, in which:
3792 unique CDR3
13 unique J



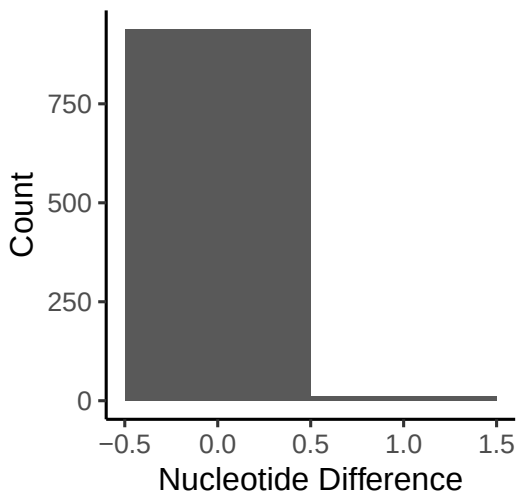
TRBV11−3*ap01

2119 sequences assigned
2084 (98.3%) exact matches, in which:
2045 unique CDR3
13 unique J



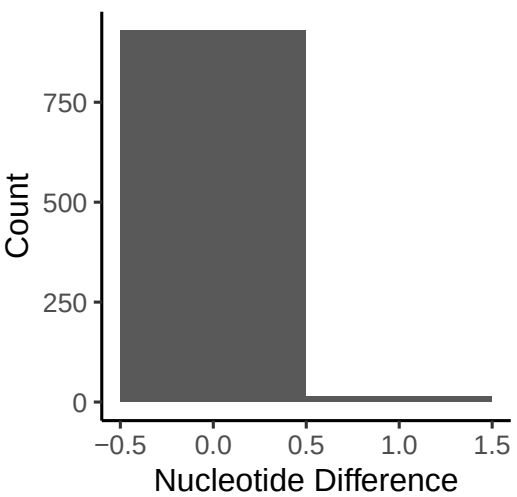
TRBV12−5*ap01

951 sequences assigned
939 (98.7%) exact matches, in which:
915 unique CDR3
13 unique J



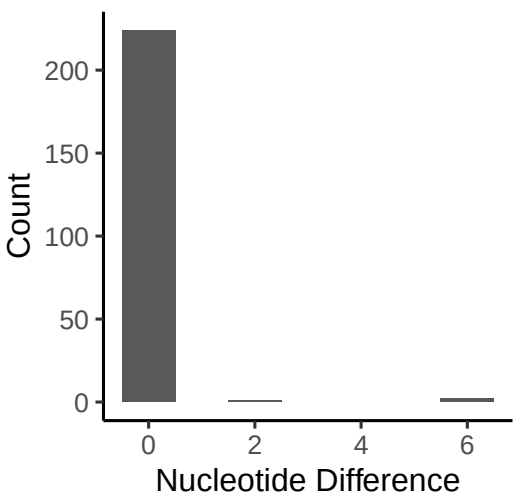
TRBV11−1*ap01

945 sequences assigned
930 (98.4%) exact matches, in which:
910 unique CDR3
13 unique J



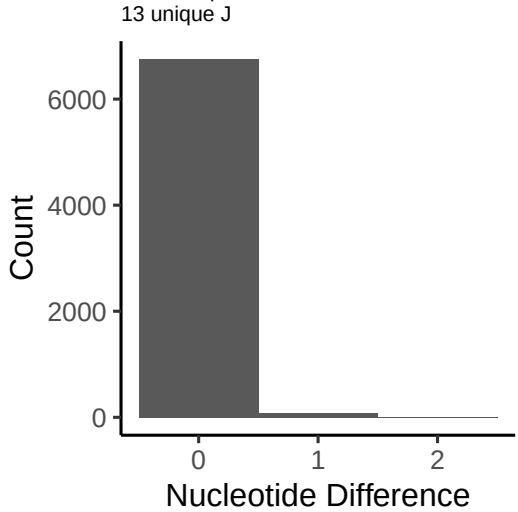
TRBV12−1*ap01

227 sequences assigned
224 (98.7%) exact matches, in which:
221 unique CDR3
13 unique J



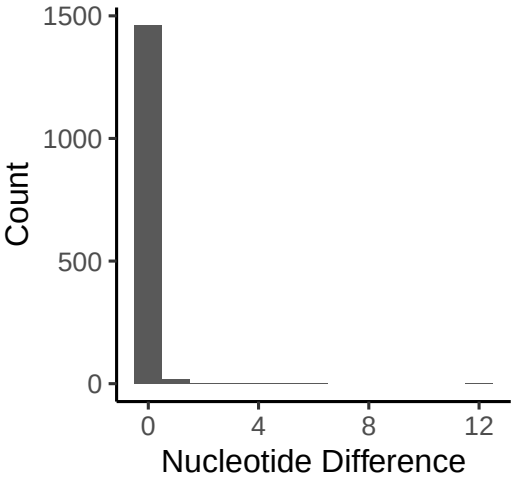
TRBV12−34*ap01

6841 sequences assigned
6755 (98.7%) exact matches, in which:
6616 unique CDR3
13 unique J



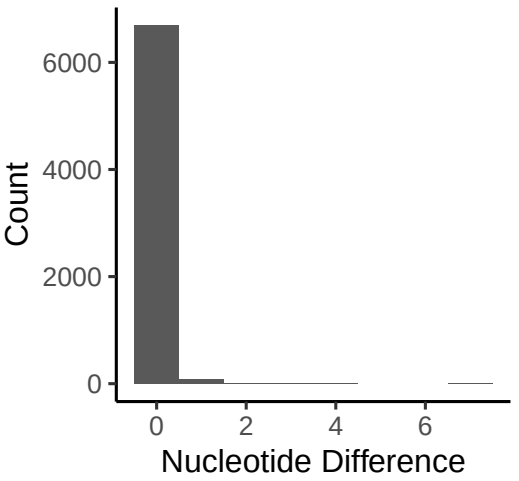
TRBV23−1*ap01

1486 sequences assigned
1461 (98.3%) exact matches, in which:
1429 unique CDR3
13 unique J



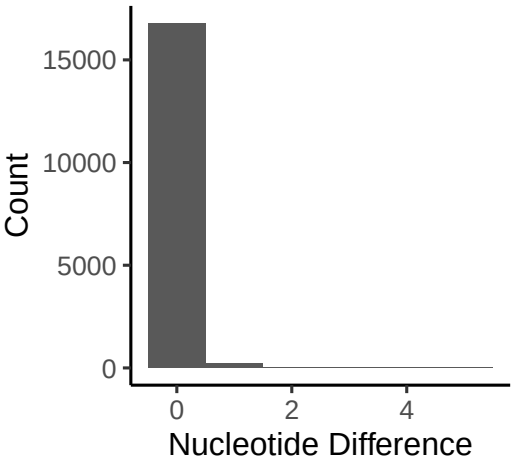
TRBV24−1*ap01

6785 sequences assigned
6691 (98.6%) exact matches, in which:
6585 unique CDR3
13 unique J



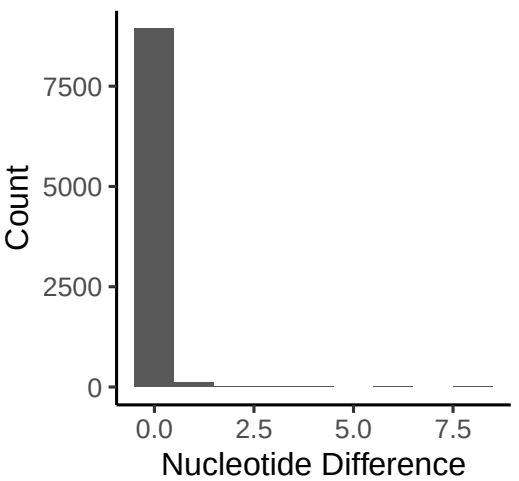
TRBV5−1*ap01

17026 sequences assigned
16788 (98.6%) exact matches, in which:
16388 unique CDR3
13 unique J



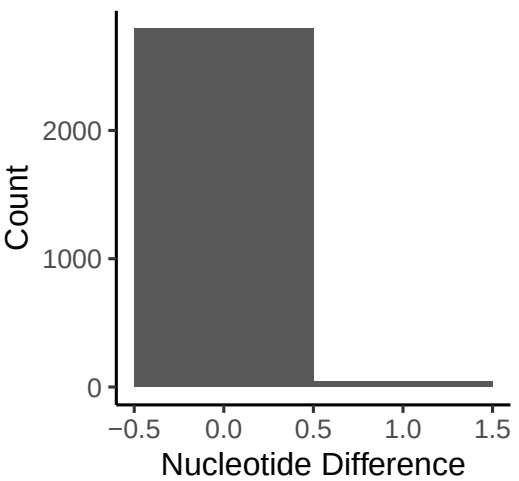
TRBV3−12*ap01

9053 sequences assigned
8933 (98.7%) exact matches, in which:
8738 unique CDR3
13 unique J



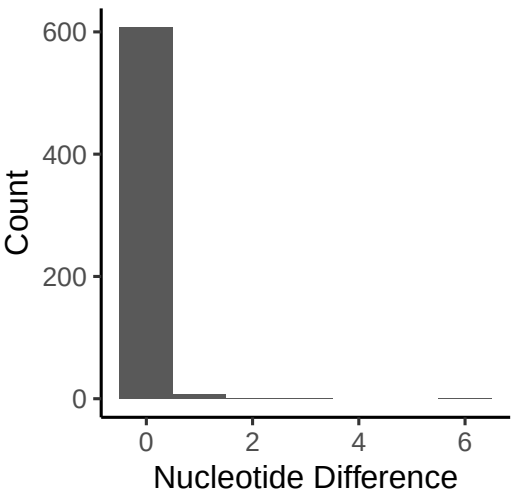
TRBV4−2*ap01

2836 sequences assigned
2793 (98.5%) exact matches, in which:
2739 unique CDR3
13 unique J



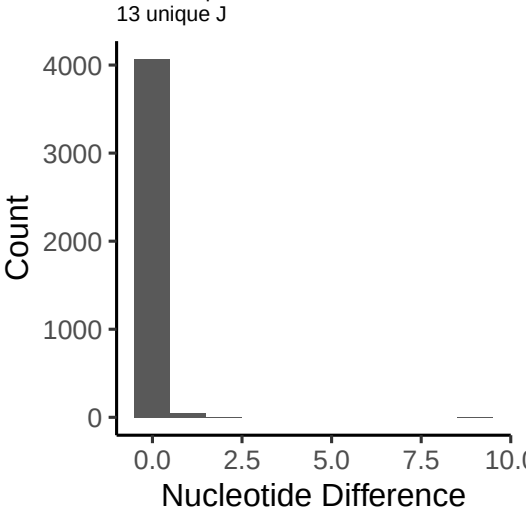
TRBV5−3*ap01

619 sequences assigned
608 (98.2%) exact matches, in which:
597 unique CDR3
13 unique J



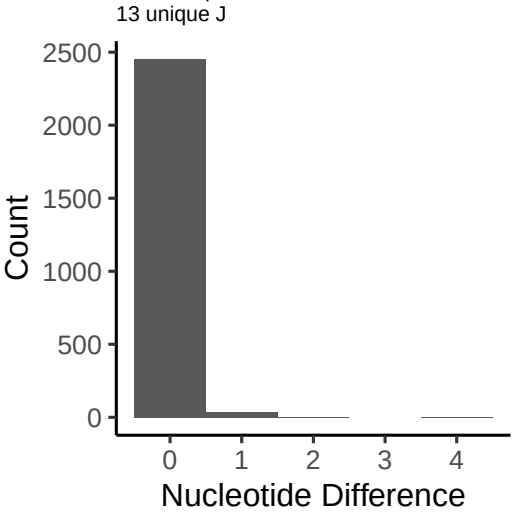
TRBV4−1*ap01

4118 sequences assigned
4068 (98.8%) exact matches, in which:
3977 unique CDR3
13 unique J



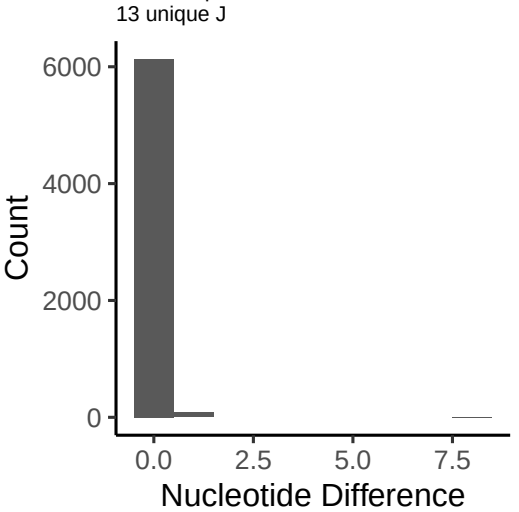
TRBV25−1*ap01

2491 sequences assigned
2453 (98.5%) exact matches, in which:
2409 unique CDR3
13 unique J



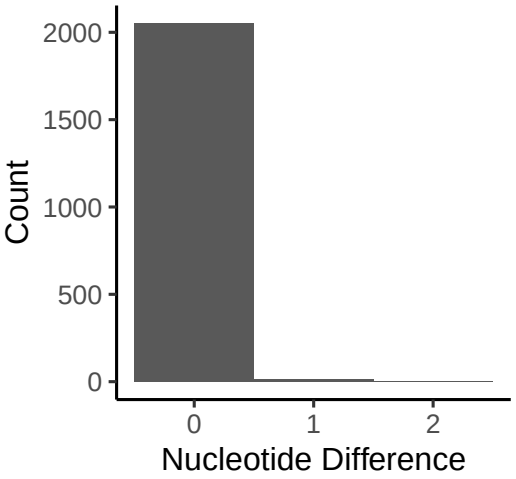
TRBV5−4*ap01

6218 sequences assigned
6132 (98.6%) exact matches, in which:
5985 unique CDR3
13 unique J



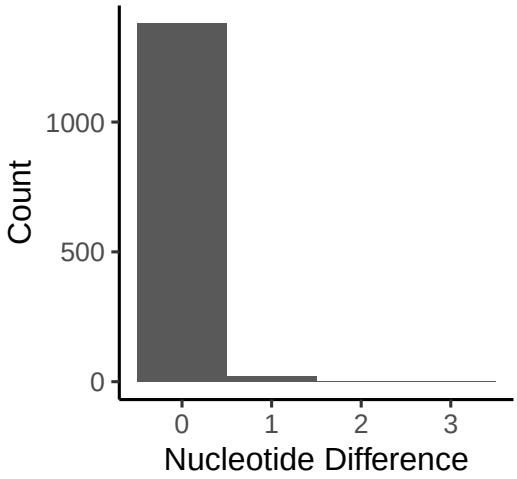
TRBV5−5*ap01

2067 sequences assigned
2051 (99.2%) exact matches, in which:
2020 unique CDR3
13 unique J



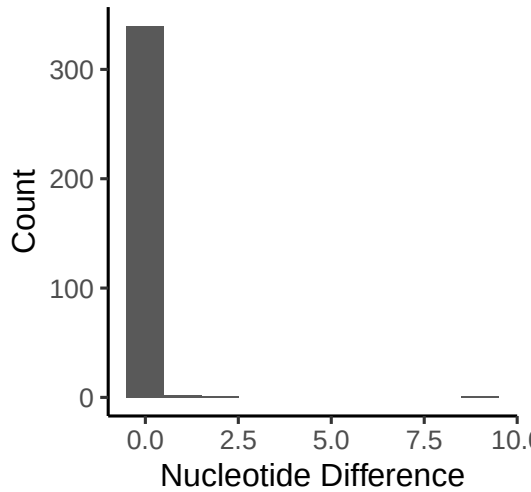
TRBV5−8*ap01

1407 sequences assigned
1380 (98.1%) exact matches, in which:
1352 unique CDR3
13 unique J



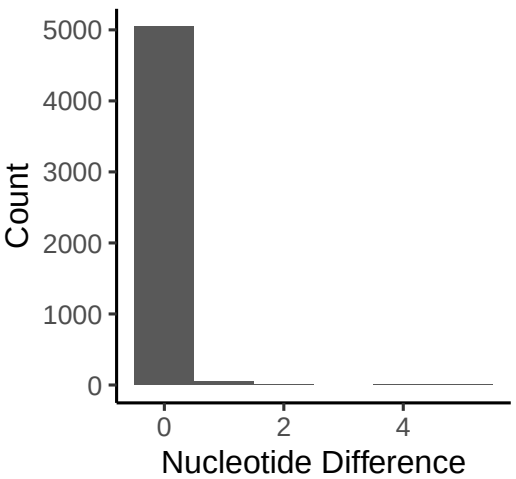
TRBV6−7*ap01

344 sequences assigned
340 (98.8%) exact matches, in which:
334 unique CDR3
13 unique J



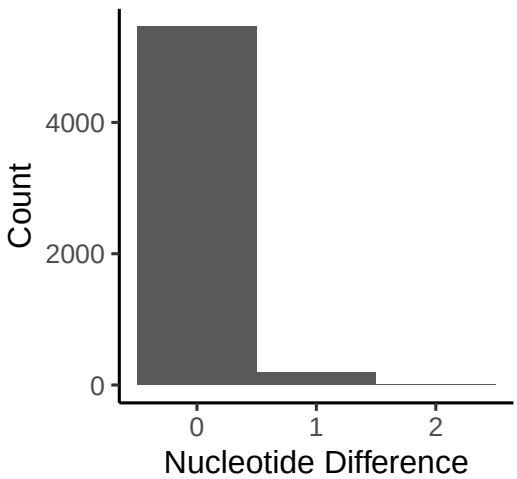
TRBV5−6*ap01

5098 sequences assigned
5044 (98.9%) exact matches, in which:
4900 unique CDR3
13 unique J



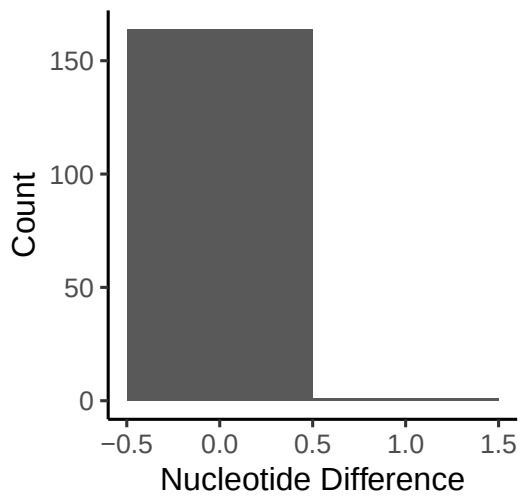
TRBV6−1*ap01

5645 sequences assigned
5458 (96.7%) exact matches, in which:
5331 unique CDR3
13 unique J



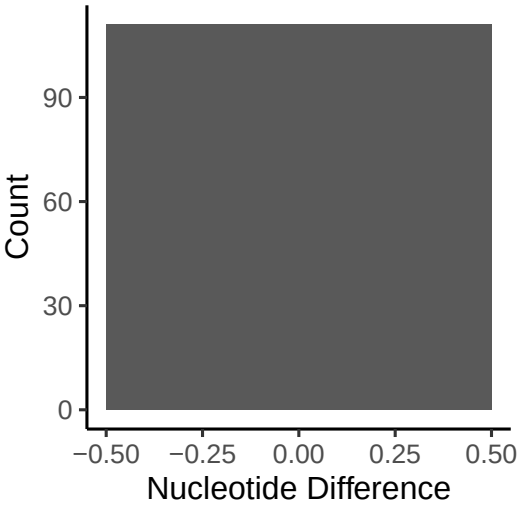
TRBV6−8*ap01

165 sequences assigned
164 (99.4%) exact matches, in which:
160 unique CDR3
12 unique J



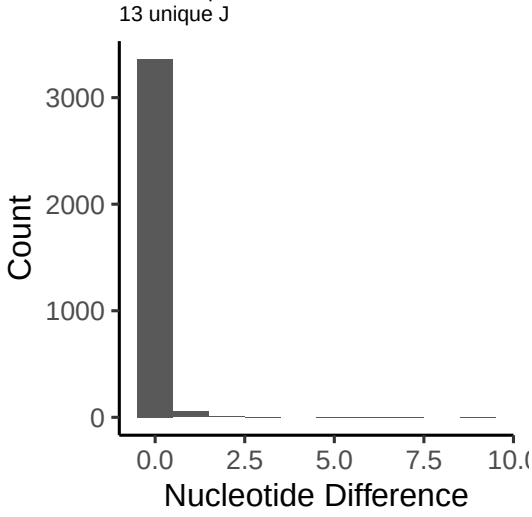
TRBV5−7*ap01

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



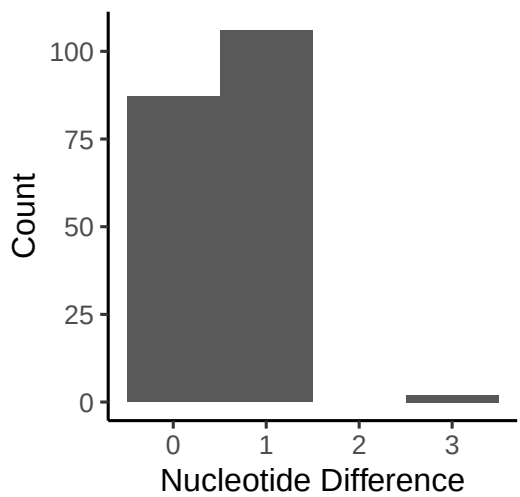
TRBV6−4*ap01

3431 sequences assigned
3362 (98%) exact matches, in which:
3307 unique CDR3
13 unique J



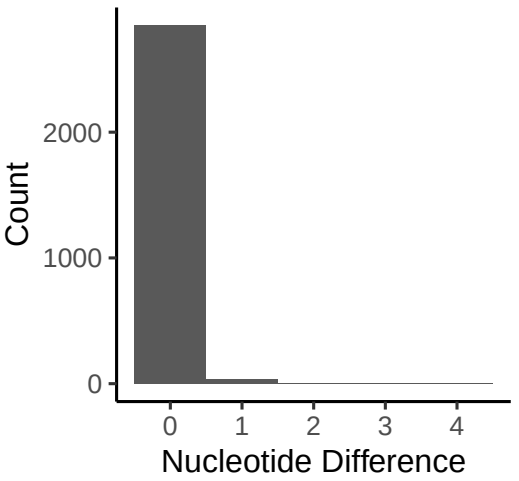
TRBV6−9*ap01

195 sequences assigned
87 (44.6%) exact matches, in which:
85 unique CDR3
13 unique J



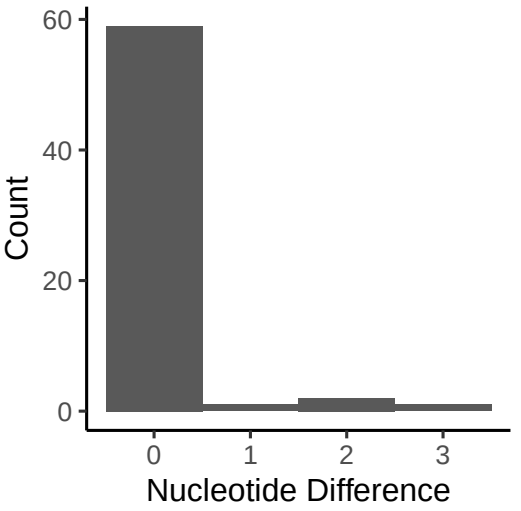
TRBV6−23*ap01

2887 sequences assigned
2849 (98.7%) exact matches, in which:
2786 unique CDR3
13 unique J



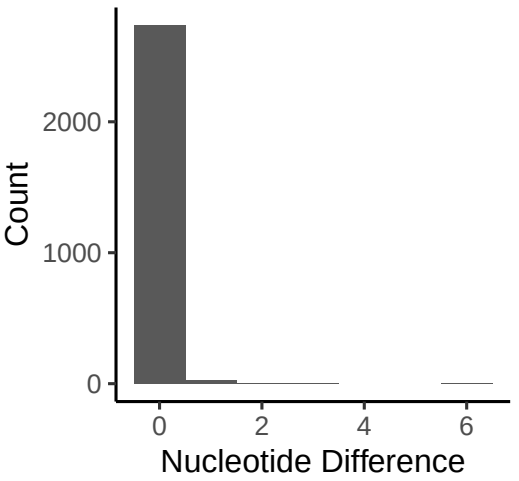
TRBV7−1*ap01_G291C_T

63 sequences assigned
59 (93.7%) exact matches, in which:
59 unique CDR3
11 unique J



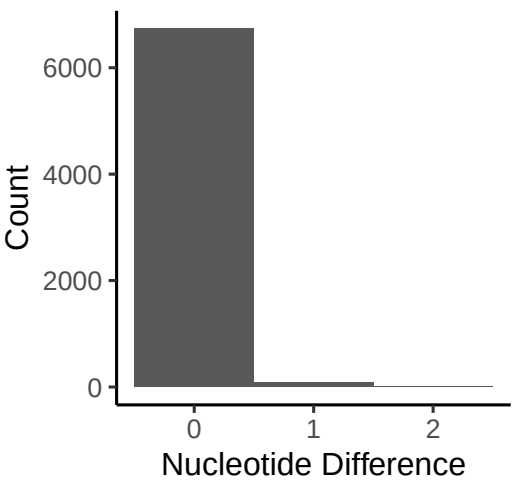
TRBV7−3*ap01

2763 sequences assigned
2736 (99%) exact matches, in which:
2677 unique CDR3
13 unique J



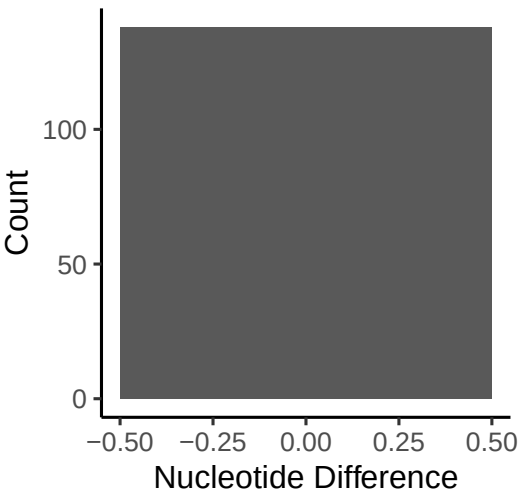
TRBV6−56*ap01

6815 sequences assigned
6733 (98.8%) exact matches, in which:
6544 unique CDR3
13 unique J



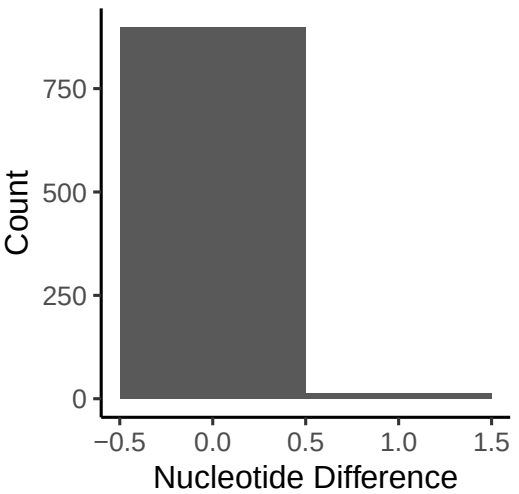
TRBV7−1*ap01_G291C_

138 sequences assigned
138 (100%) exact matches, in which:
131 unique CDR3
13 unique J



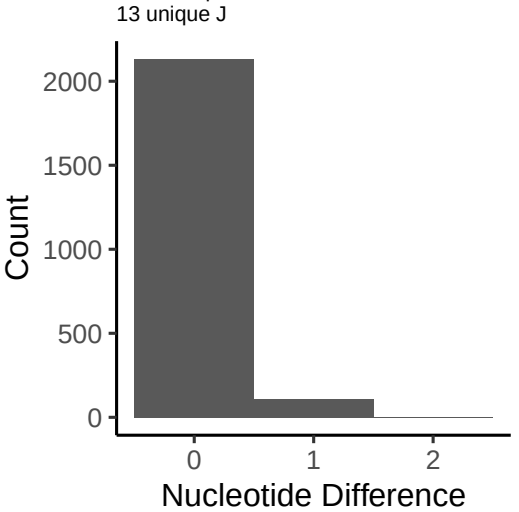
TRBV7−3*ap03

912 sequences assigned
899 (98.6%) exact matches, in which:
887 unique CDR3
13 unique J



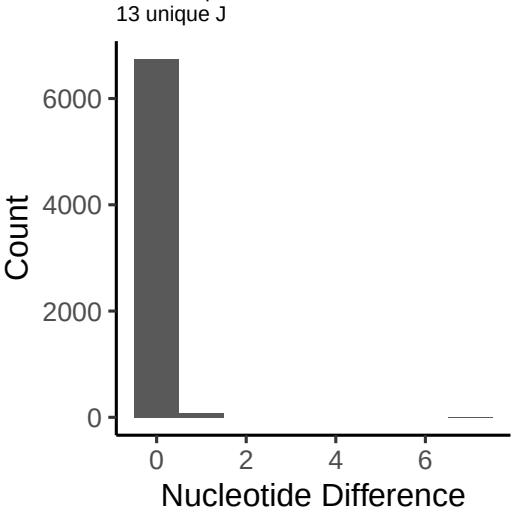
TRBV6−56*ap02

2245 sequences assigned
2132 (95%) exact matches, in which:
2085 unique CDR3
13 unique J



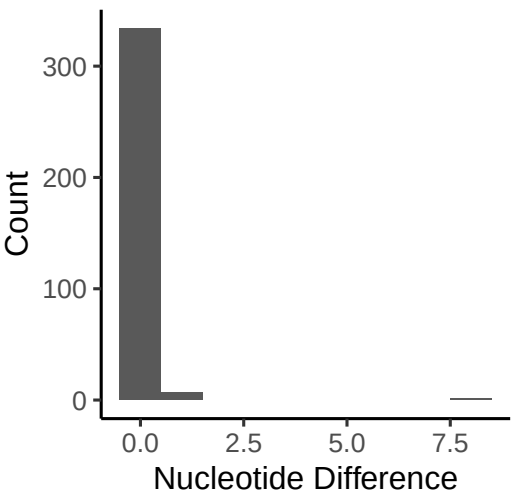
TRBV7−2*ap01

6824 sequences assigned
6743 (98.8%) exact matches, in which:
6605 unique CDR3
13 unique J



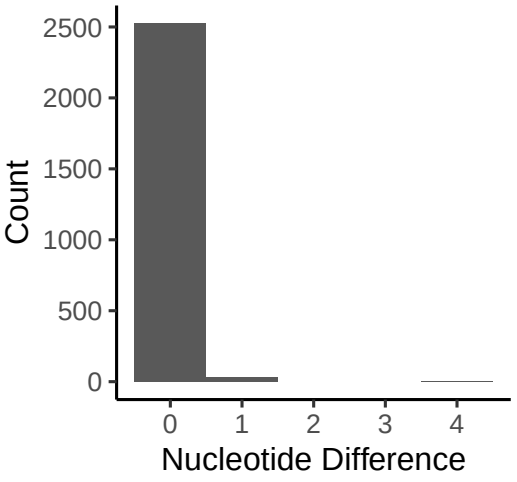
TRBV7−4*ap01

342 sequences assigned
334 (97.7%) exact matches, in which:
327 unique CDR3
13 unique J



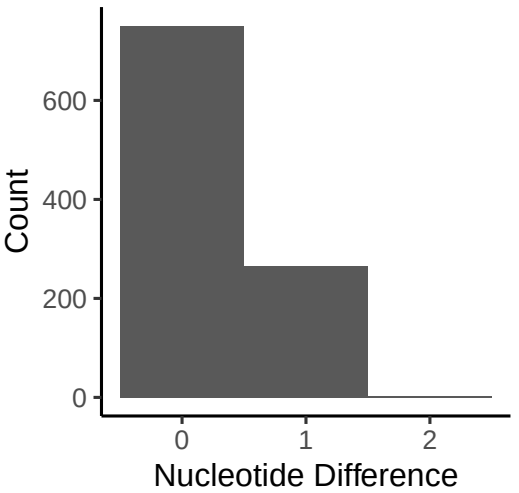
TRBV7−6*ap01

2556 sequences assigned
2525 (98.8%) exact matches, in which:
2466 unique CDR3
13 unique J



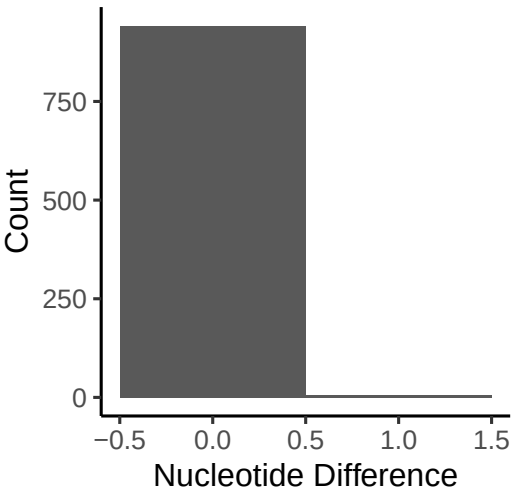
TRBV7−8*ap03

1020 sequences assigned
751 (73.6%) exact matches, in which:
736 unique CDR3
13 unique J



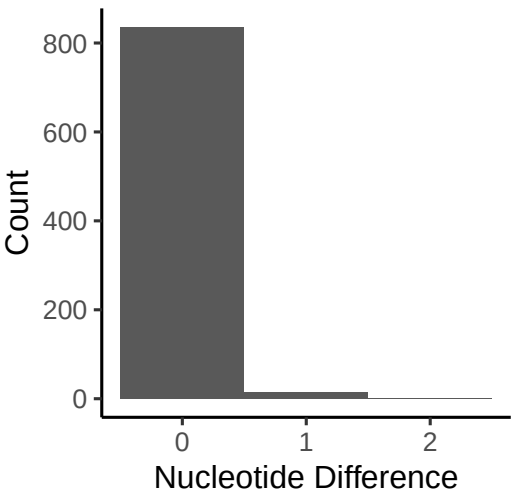
TRBV29−1*ap02

949 sequences assigned
942 (99.3%) exact matches, in which:
928 unique CDR3
13 unique J



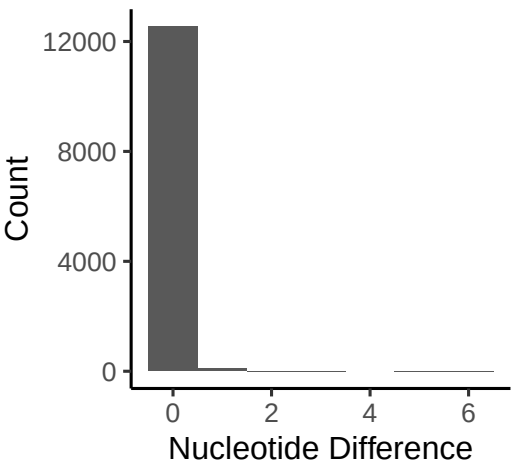
TRBV7−7*ap01

851 sequences assigned
836 (98.2%) exact matches, in which:
821 unique CDR3
13 unique J



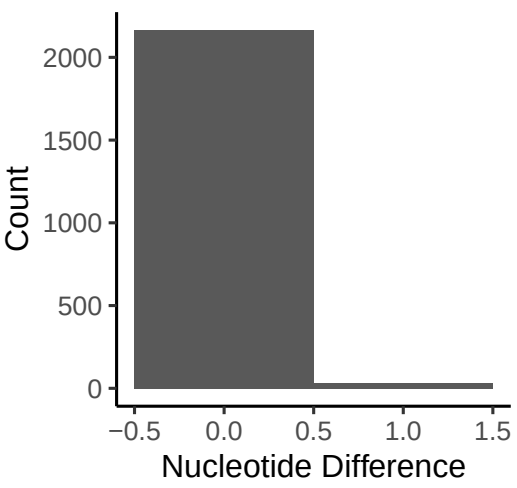
TRBV7−9*ap01

12657 sequences assigned
12547 (99.1%) exact matches, in which:
12326 unique CDR3
13 unique J



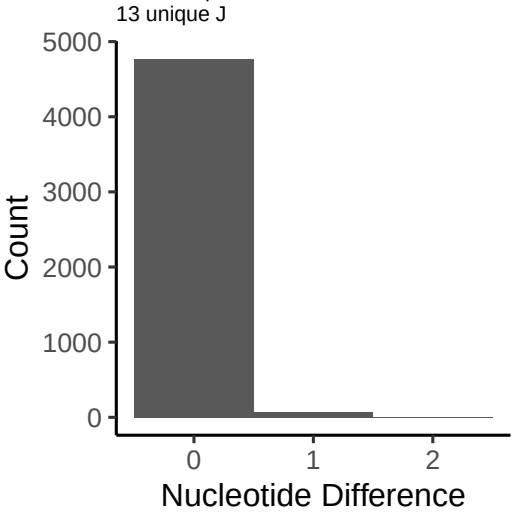
TRBV7−8*ap01

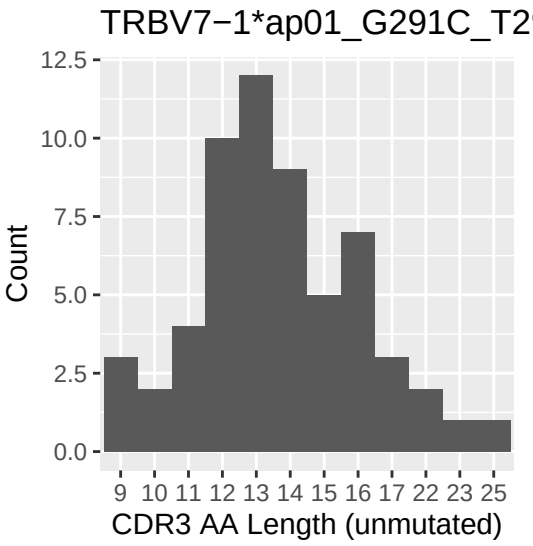
2196 sequences assigned
2165 (98.6%) exact matches, in which:
2112 unique CDR3
13 unique J

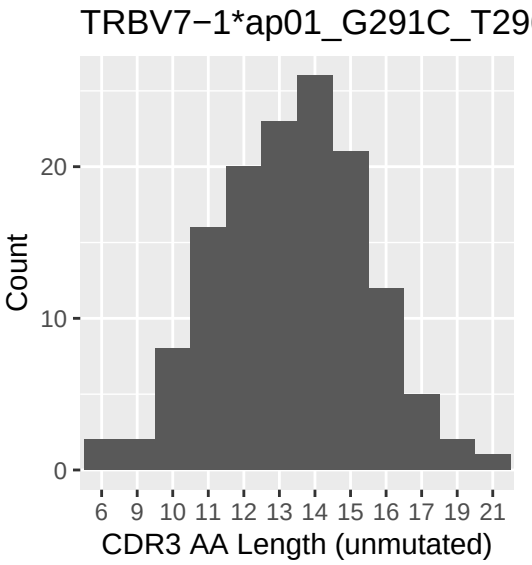


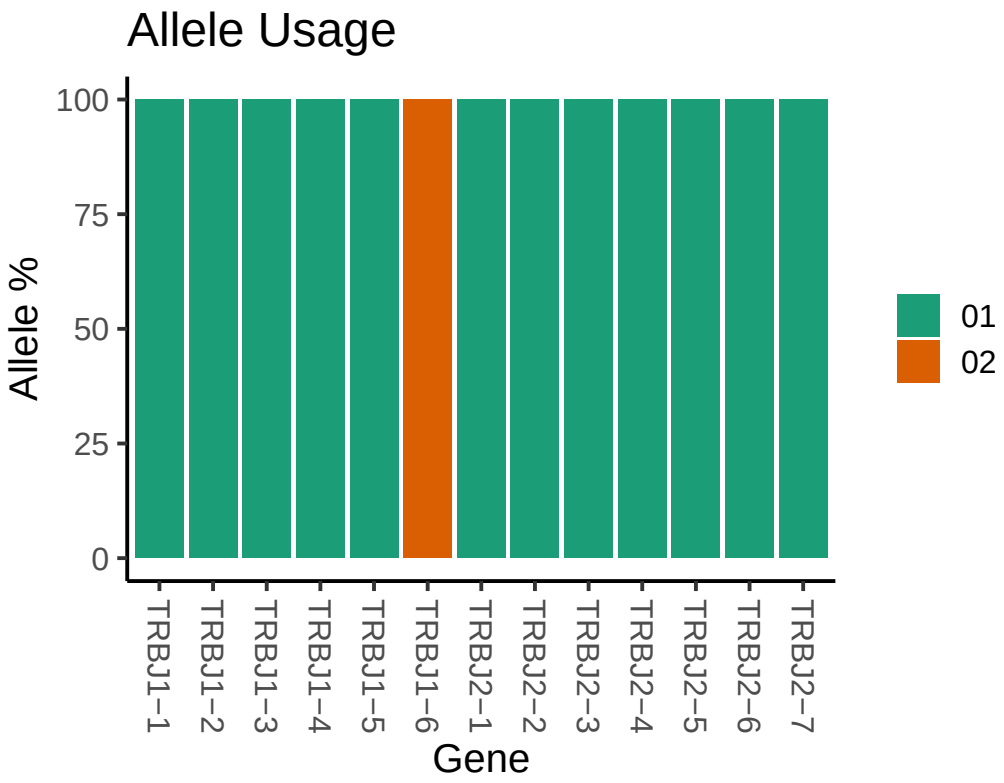
TRBV29−1*ap01

4837 sequences assigned
4768 (98.6%) exact matches, in which:
4671 unique CDR3
13 unique J




TRBV7−1*ap01_G291C_T296C
12.5
10.0
7.5
5.0
2.5
0.0
Count
9 10 11 12 13 14 15 16 17 22 23 25
CDR3 AA Length (unmutated)


TRBV7−1*ap01_G291C_T296C_C314T
20
10
0
Count
6 9 10 11 12 13 14 15 16 17 19 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
Gene
01
02

Warning − no inferred sequences found.

Warning − no inferred sequences found.

Warning − no inferred sequences found.