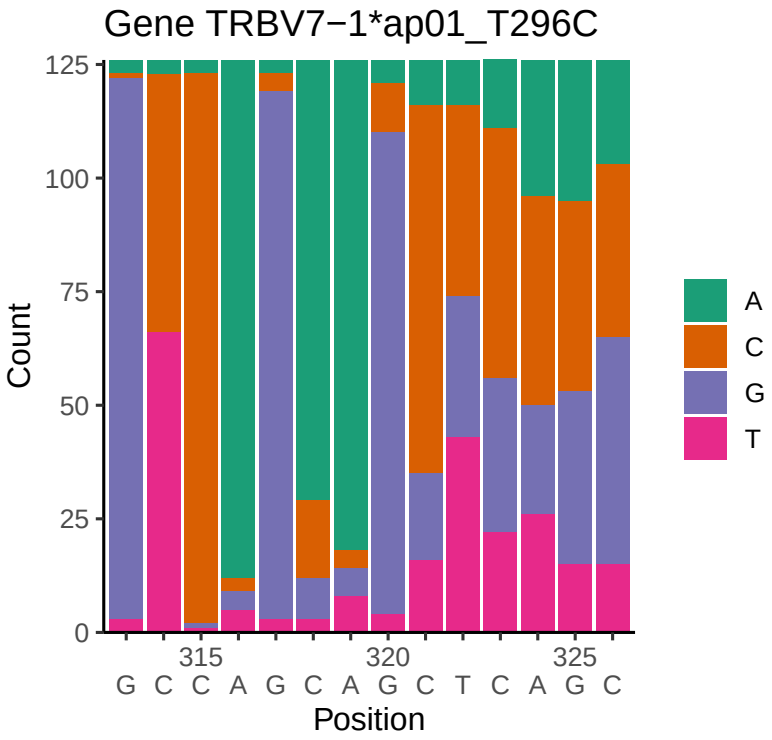
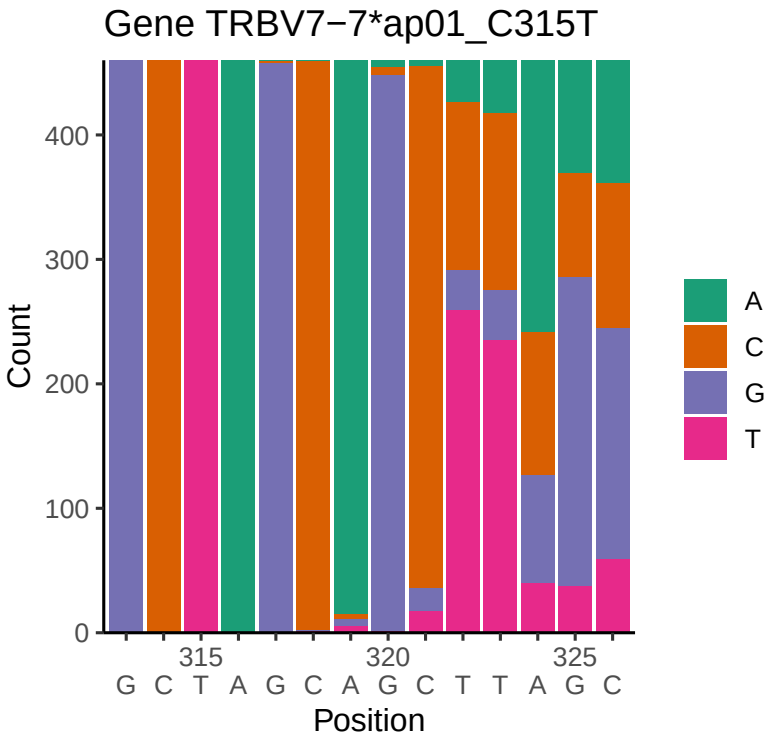
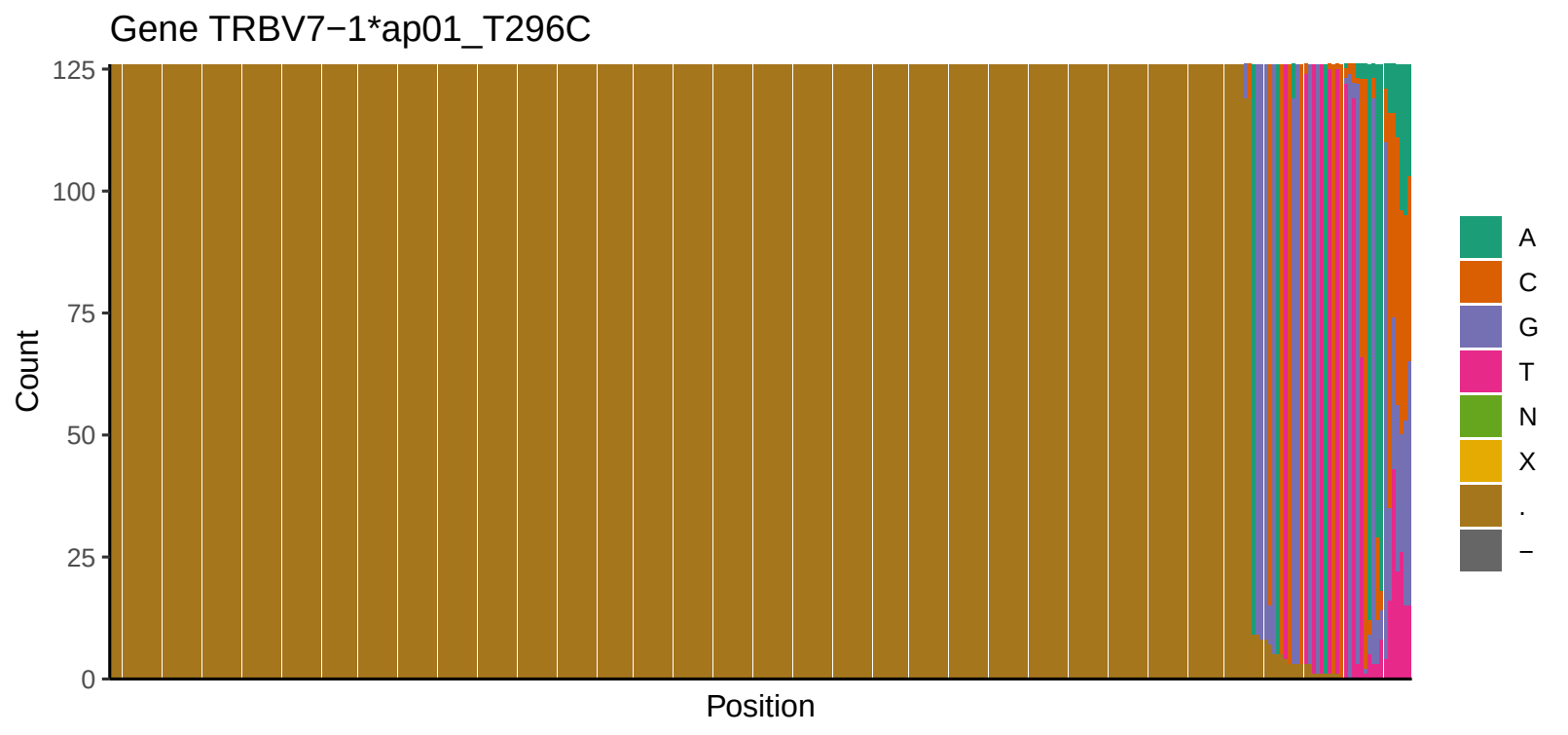
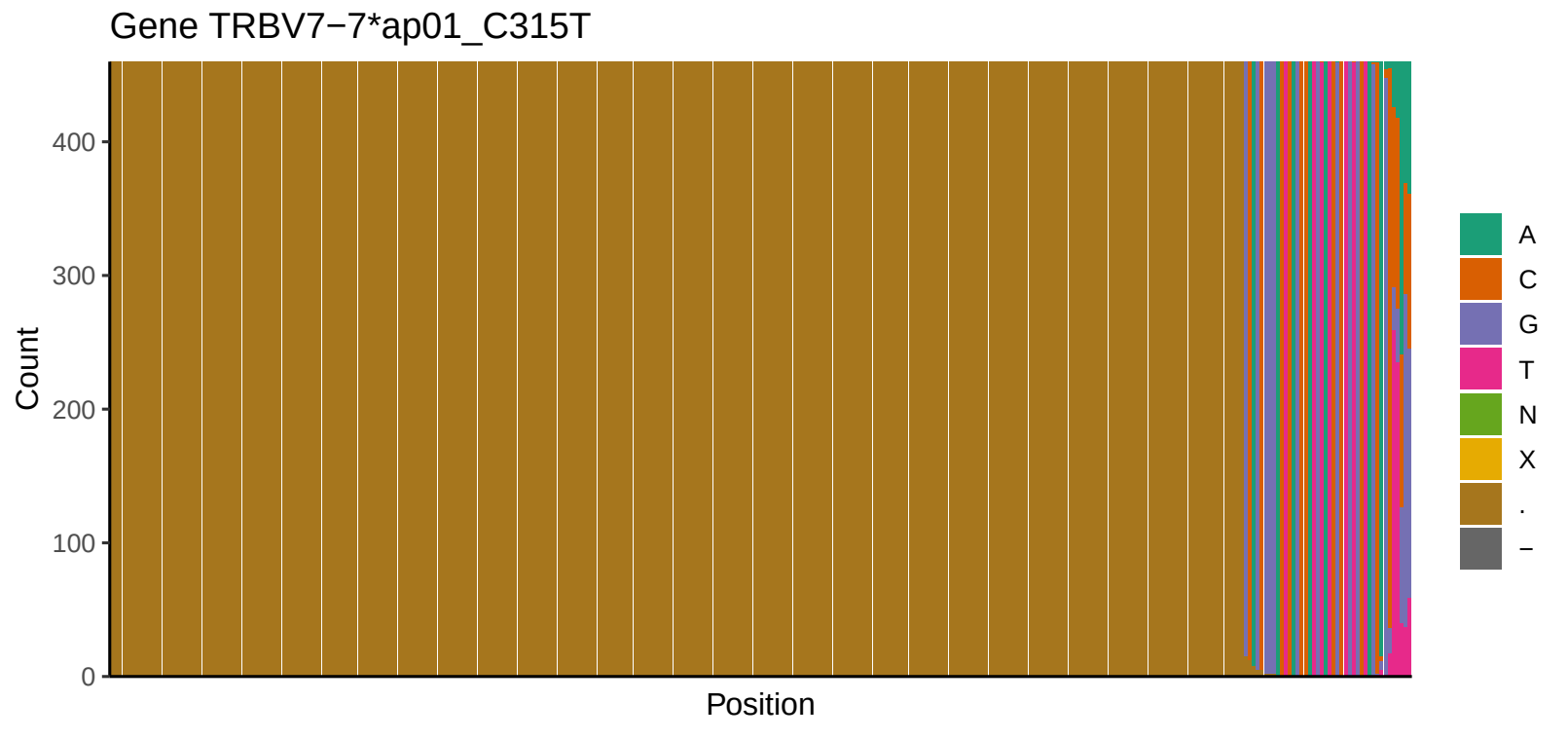
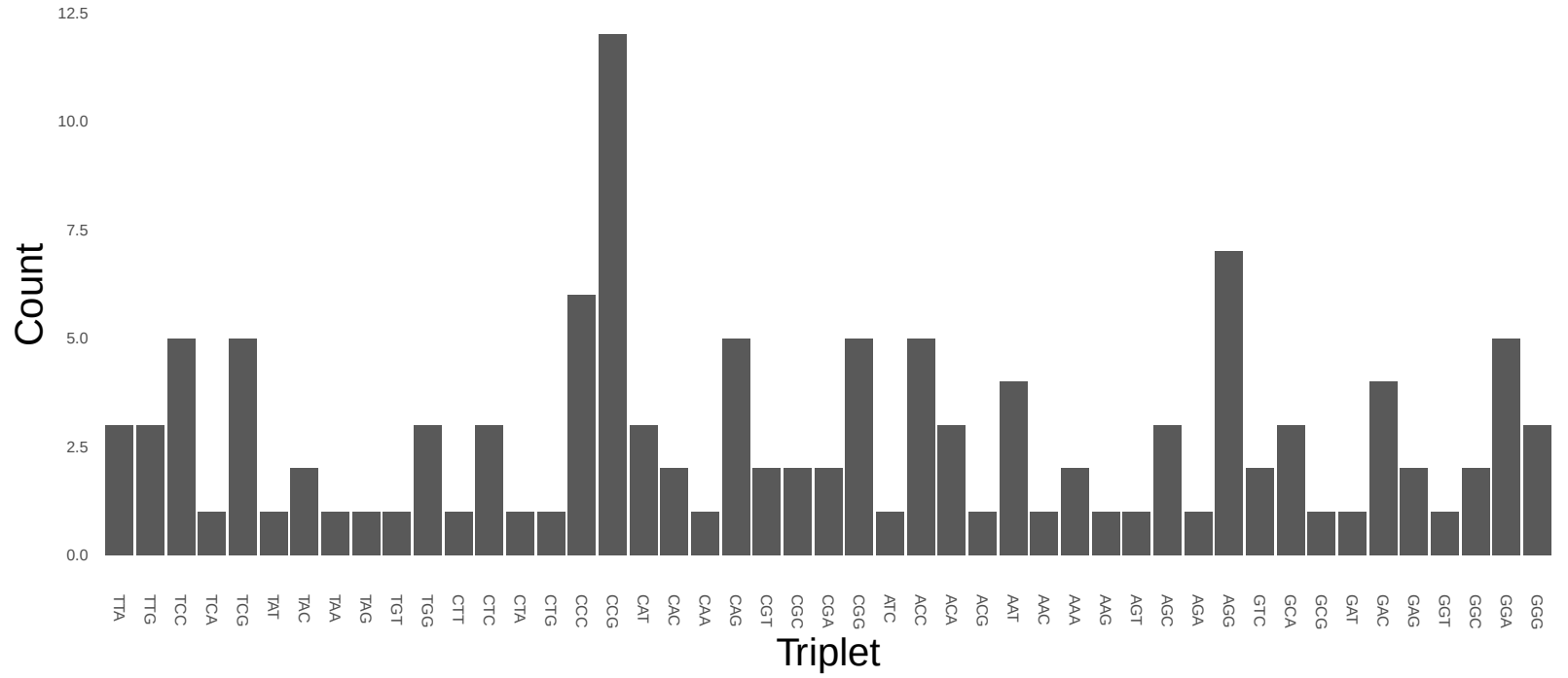

Gene TRBV7−1*ap01_T296C
125
100
75
50
25
0
Count
315
320
325
G C C A G C A G C T C A G C
Position
A
C
G
T


Gene TRBV7−7*ap01_C315T
400
300
200
100
0
Count
315
320
325
G C T A G C A G C T T A G C
Position
A
C
G
T

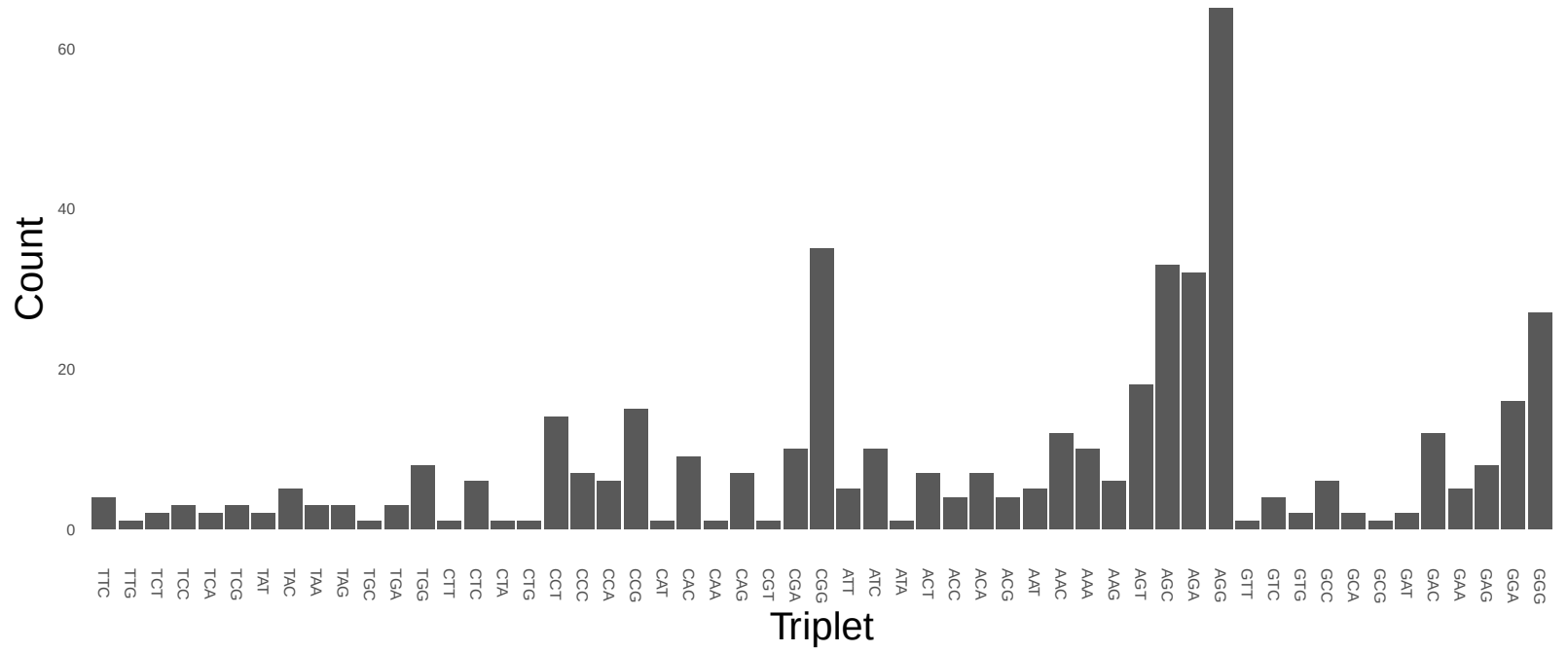

Gene TRBV7−1*ap01_T296C
125
100
75
50
25
0
Count
Position
A
C
G
T
N
X
.
–


Gene TRBV7−7*ap01_C315T
400
300
200
100
0
Count
Position
A
C
G
T
N
X
.
–

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

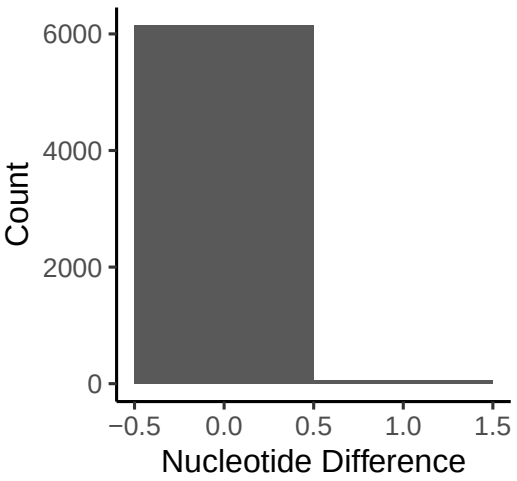


TRBV7−7*ap01_C315T− Final 3 nucleotides as a triplet



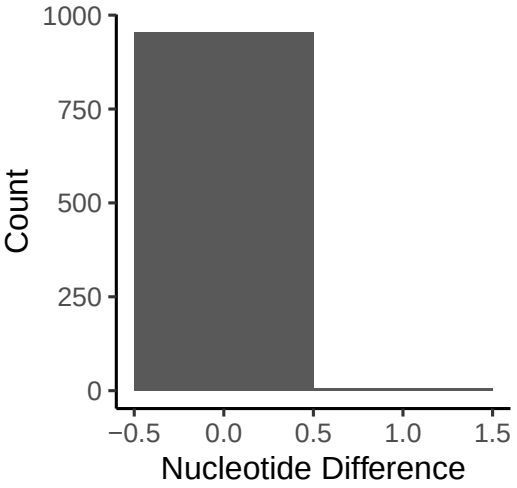
TRBV20−1*ap01

6201 sequences assigned
6146 (99.1%) exact matches, in which:
6074 unique CDR3
13 unique J



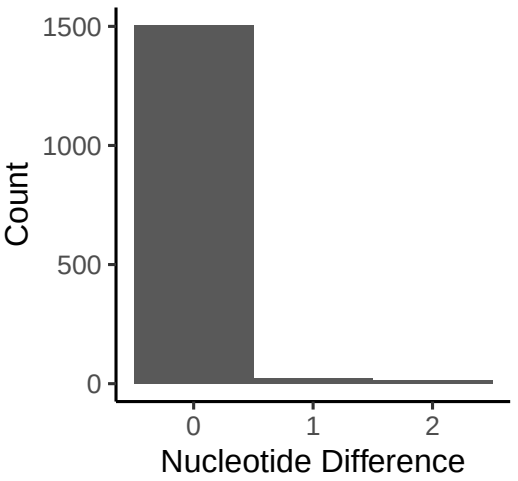
TRBV10−2*ap01

961 sequences assigned
954 (99.3%) exact matches, in which:
949 unique CDR3
13 unique J



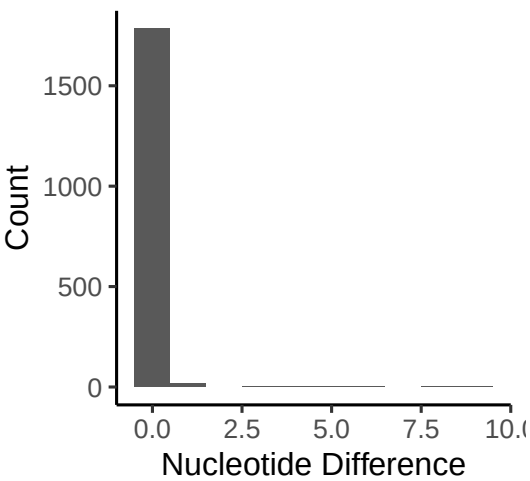
TRBV13*ap01

1539 sequences assigned
1504 (97.7%) exact matches, in which:
1466 unique CDR3
13 unique J



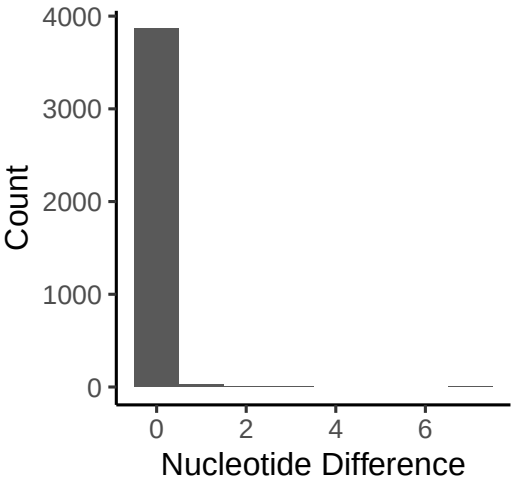
TRBV10−1*ap01

1810 sequences assigned
1784 (98.6%) exact matches, in which:
1757 unique CDR3
13 unique J



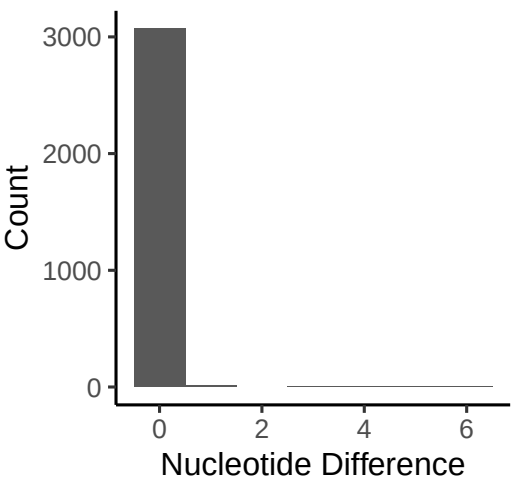
TRBV10−3*ap01

3898 sequences assigned
3864 (99.1%) exact matches, in which:
3815 unique CDR3
13 unique J



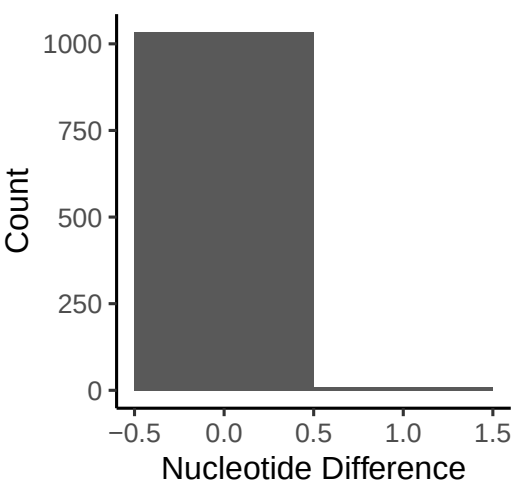
TRBV14*ap01

3084 sequences assigned
3070 (99.5%) exact matches, in which:
3034 unique CDR3
13 unique J



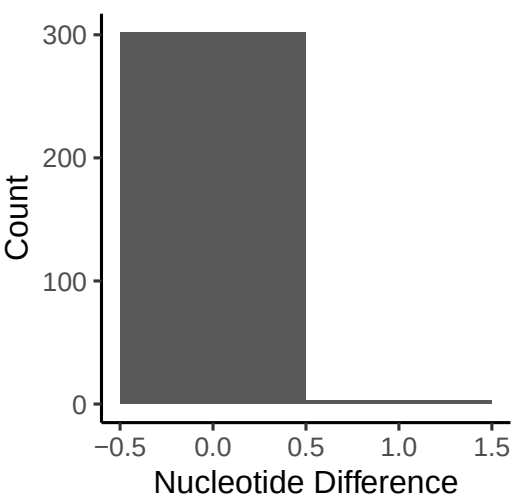
TRBV20−1*ap02

1043 sequences assigned
1034 (99.1%) exact matches, in which:
1021 unique CDR3
13 unique J



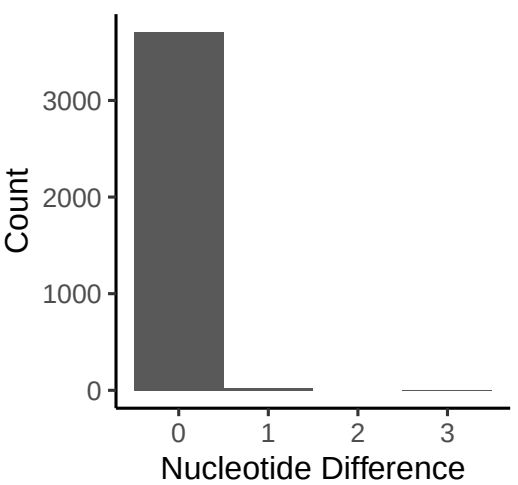
TRBV1*ap01

305 sequences assigned
302 (99%) exact matches, in which:
293 unique CDR3
13 unique J



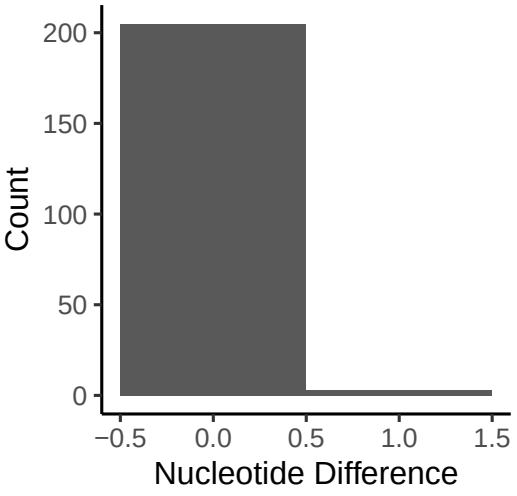
TRBV15*ap02

3736 sequences assigned
3708 (99.3%) exact matches, in which:
3646 unique CDR3
13 unique J



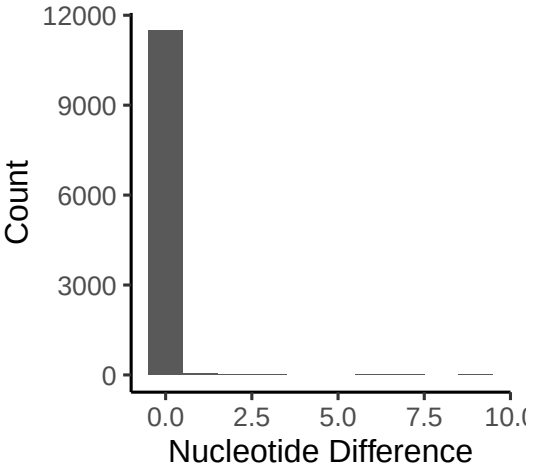
TRBV16*ap01

208 sequences assigned
205 (98.6%) exact matches, in which:
203 unique CDR3
13 unique J



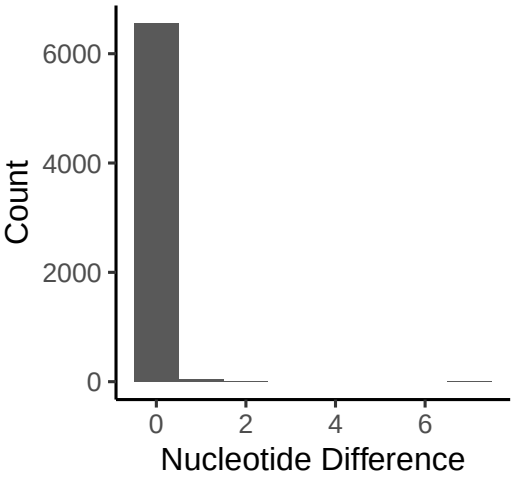
TRBV19*ap01

11575 sequences assigned
11503 (99.4%) exact matches, in which:
11437 unique CDR3
13 unique J



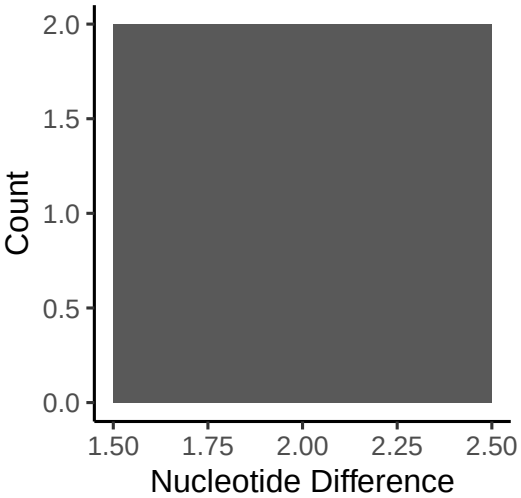
TRBV28*ap01

6596 sequences assigned
6554 (99.4%) exact matches, in which:
6478 unique CDR3
13 unique J



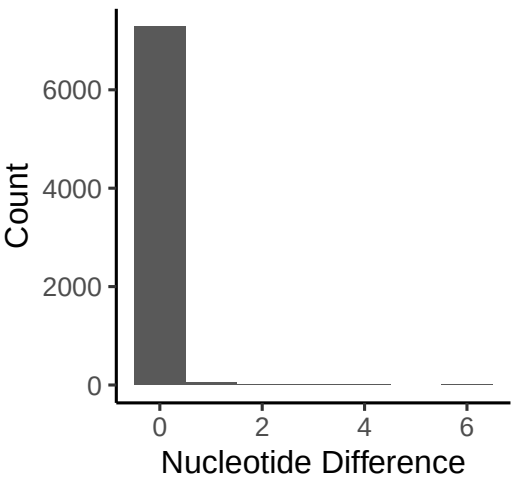
TRBV17*ap01

2 sequences assigned
No exact matches.



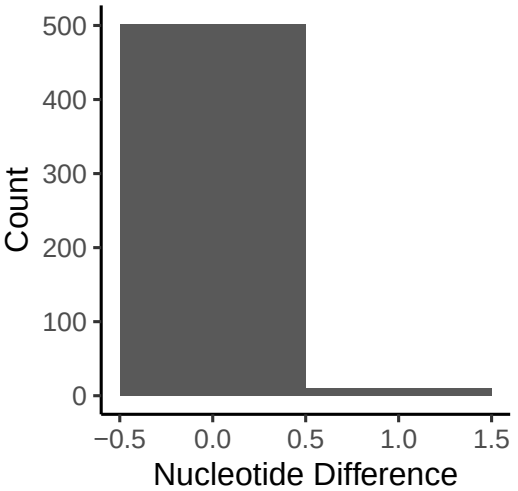
TRBV2*ap01

7347 sequences assigned
7282 (99.1%) exact matches, in which:
7170 unique CDR3
13 unique J



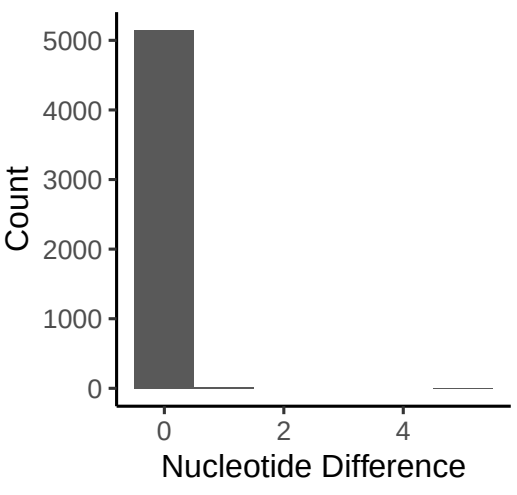
TRBV30*ap02

512 sequences assigned
502 (98%) exact matches, in which:
493 unique CDR3
13 unique J



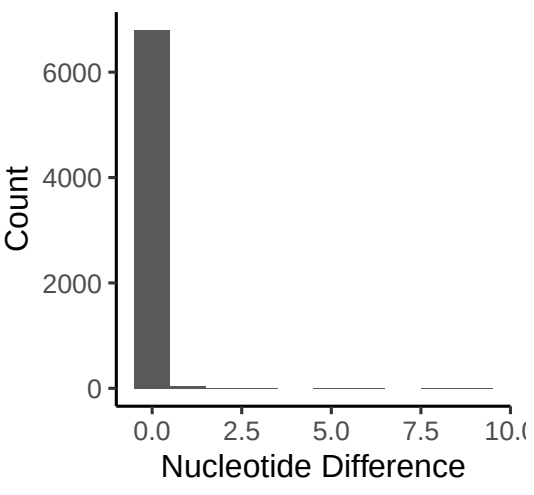
TRBV18*ap01

5165 sequences assigned
5148 (99.7%) exact matches, in which:
5113 unique CDR3
13 unique J



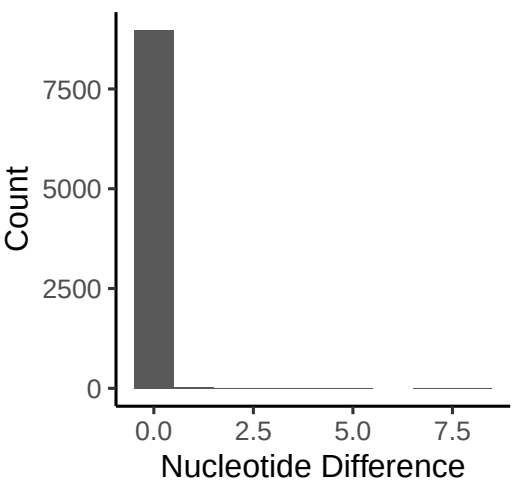
TRBV27*ap01

6858 sequences assigned
6799 (99.1%) exact matches, in which:
6699 unique CDR3
14 unique J



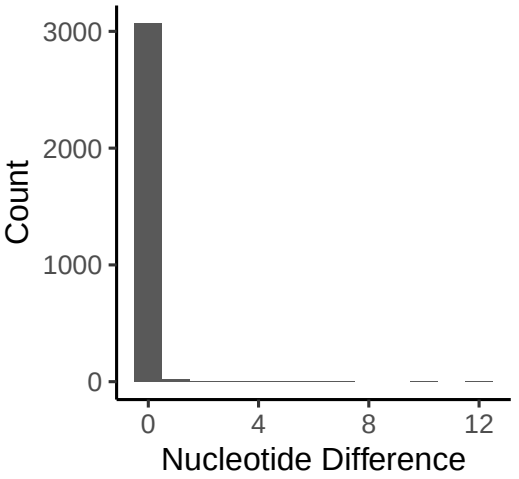
TRBV9*ap01

9020 sequences assigned
8975 (99.5%) exact matches, in which:
8880 unique CDR3
13 unique J



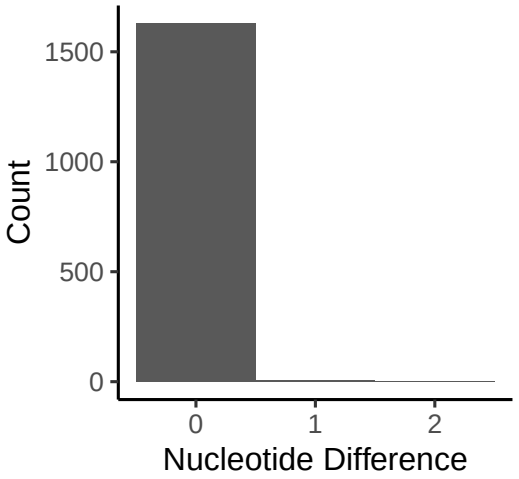
TRBV21−1*ap01

3106 sequences assigned
3068 (98.8%) exact matches, in which:
3050 unique CDR3
13 unique J



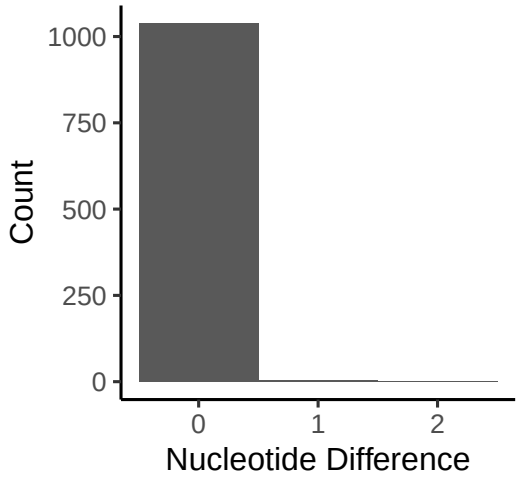
TRBV11−3*ap01

1639 sequences assigned
1629 (99.4%) exact matches, in which:
1622 unique CDR3
13 unique J



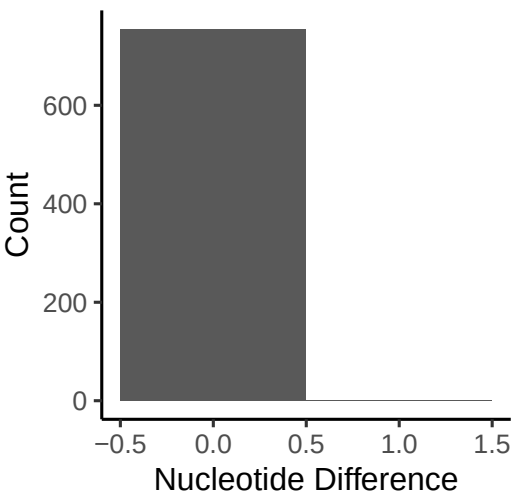
TRBV12−5*ap01

1042 sequences assigned
1038 (99.6%) exact matches, in which:
1018 unique CDR3
13 unique J



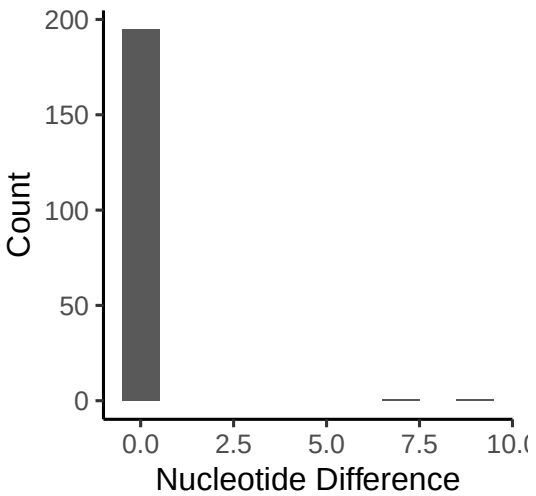
TRBV11−1*ap01

757 sequences assigned
755 (99.7%) exact matches, in which:
753 unique CDR3
13 unique J



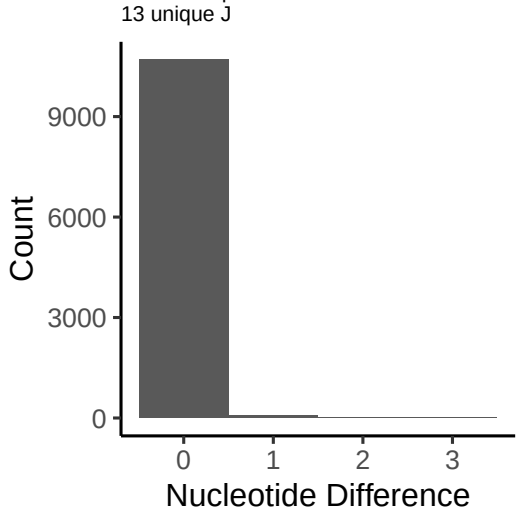
TRBV12−1*ap01

197 sequences assigned
195 (99%) exact matches, in which:
195 unique CDR3
13 unique J



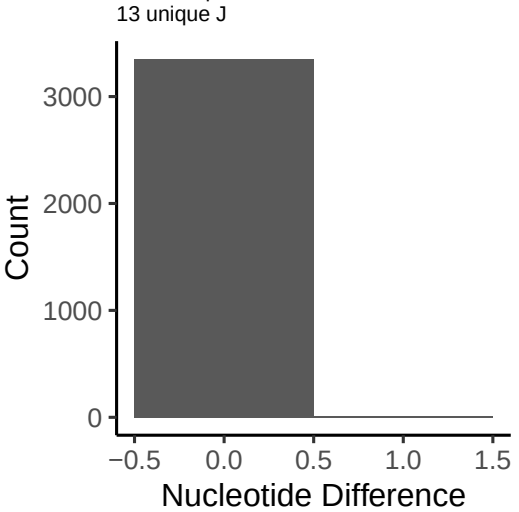
TRBV12−34*ap01

10791 sequences assigned
10698 (99.1%) exact matches, in which:
10560 unique CDR3
13 unique J



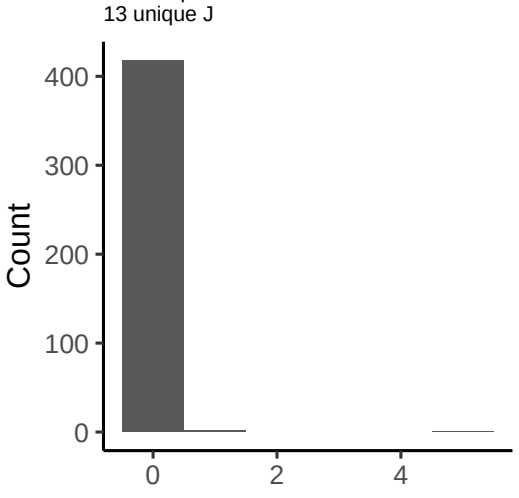
TRBV11−2*ap01

3365 sequences assigned
3351 (99.6%) exact matches, in which:
3335 unique CDR3
13 unique J



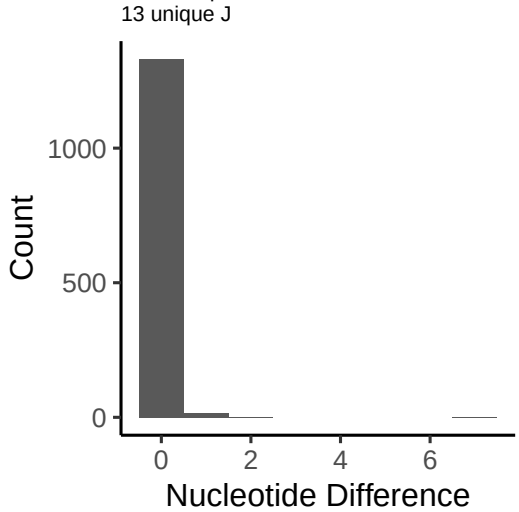
TRBV12−2*ap01

421 sequences assigned
418 (99.3%) exact matches, in which:
414 unique CDR3
13 unique J



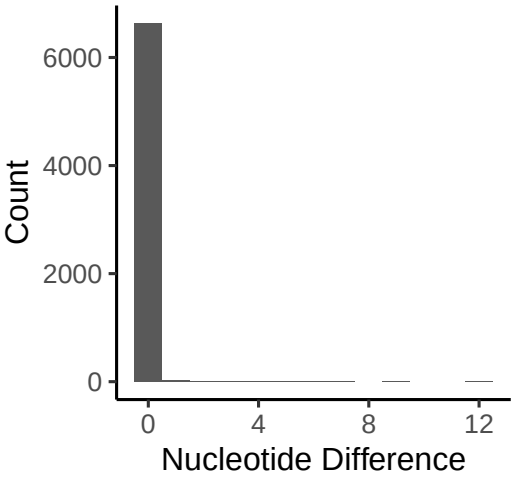
TRBV23−1*ap01

1349 sequences assigned
1331 (98.7%) exact matches, in which:
1316 unique CDR3
13 unique J



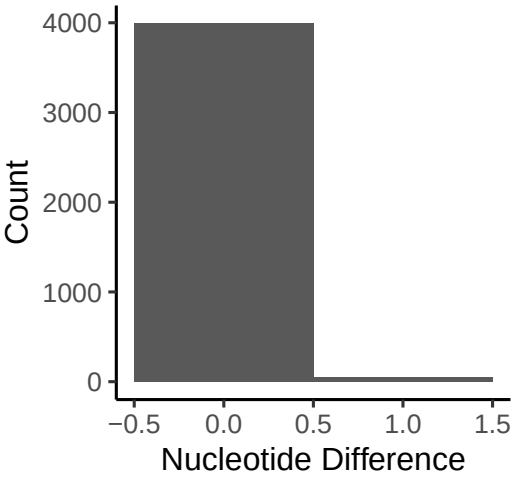
TRBV3−12*ap01

6676 sequences assigned
6631 (99.3%) exact matches, in which:
6583 unique CDR3
13 unique J



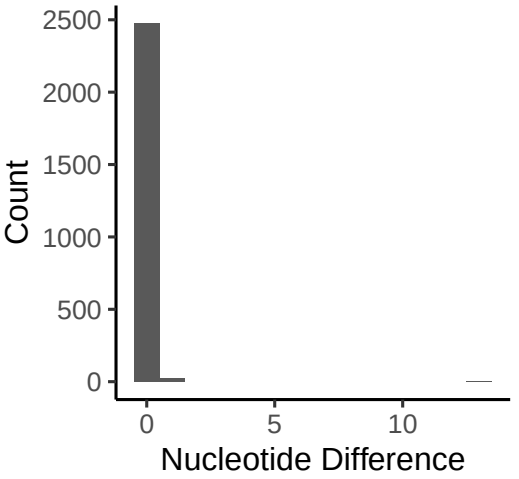
TRBV4−2*ap01

4043 sequences assigned
3993 (98.8%) exact matches, in which:
3925 unique CDR3
13 unique J



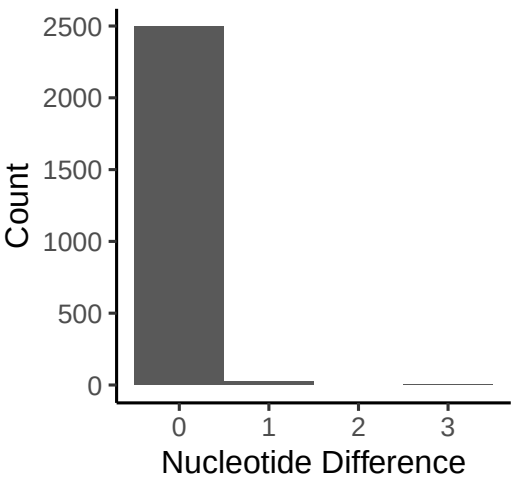
TRBV25−1*ap01

2498 sequences assigned
2475 (99.1%) exact matches, in which:
2417 unique CDR3
13 unique J



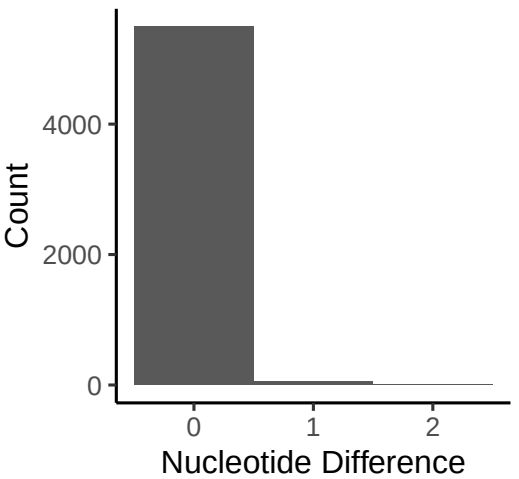
TRBV4−1*ap01

2518 sequences assigned
2495 (99.1%) exact matches, in which:
2428 unique CDR3
13 unique J



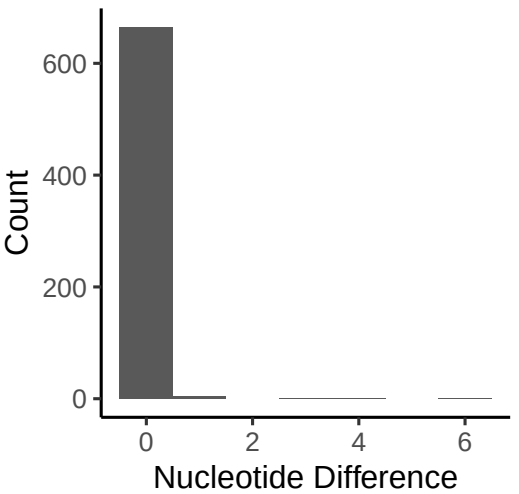
TRBV4−3*ap01

5544 sequences assigned
5493 (99.1%) exact matches, in which:
5366 unique CDR3
13 unique J



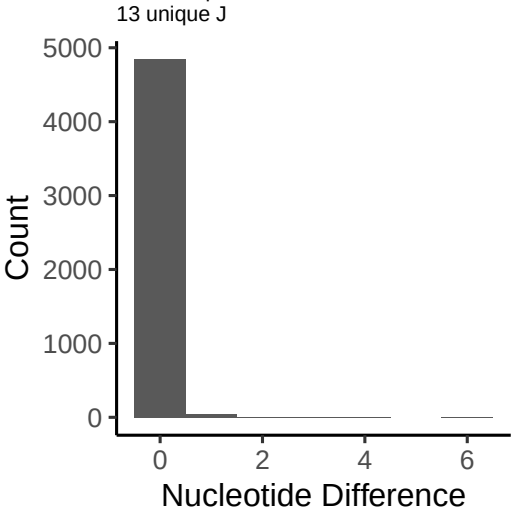
TRBV5−3*ap01

672 sequences assigned
665 (99%) exact matches, in which:
655 unique CDR3
13 unique J



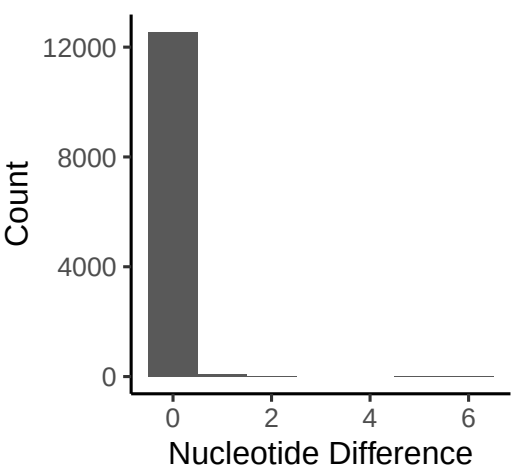
TRBV24−1*ap01

4908 sequences assigned
4847 (98.8%) exact matches, in which:
4769 unique CDR3
13 unique J



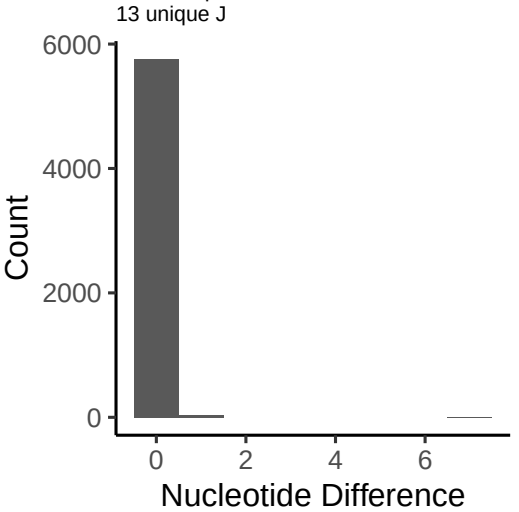
TRBV5−1*ap01

12671 sequences assigned
12559 (99.1%) exact matches, in which:
12297 unique CDR3
13 unique J



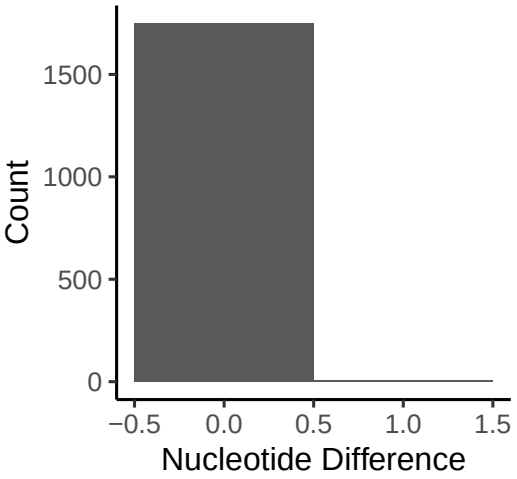
TRBV5−4*ap01

5797 sequences assigned
5759 (99.3%) exact matches, in which:
5658 unique CDR3
13 unique J



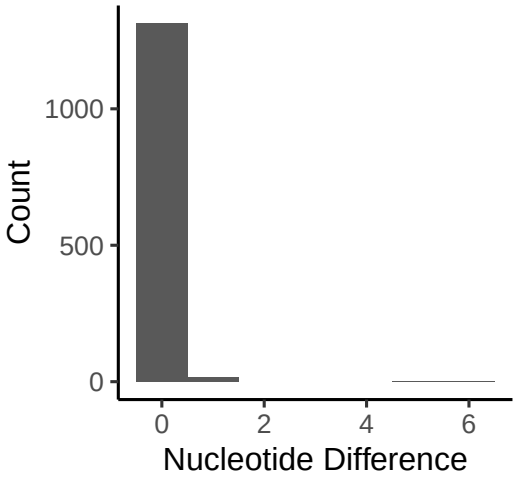
TRBV5−5*ap01

1756 sequences assigned
1749 (99.6%) exact matches, in which:
1738 unique CDR3
13 unique J



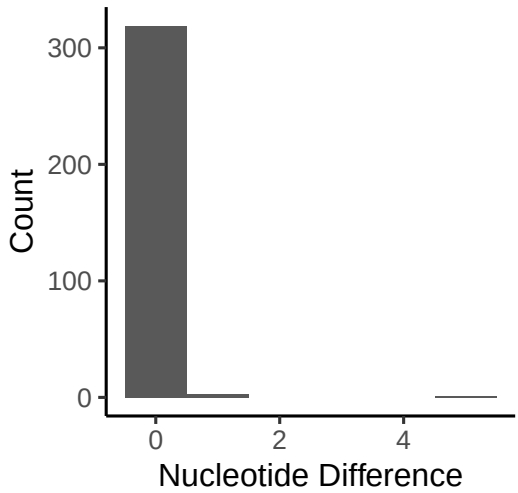
TRBV5−8*ap01

1330 sequences assigned
1313 (98.7%) exact matches, in which:
1297 unique CDR3
13 unique J



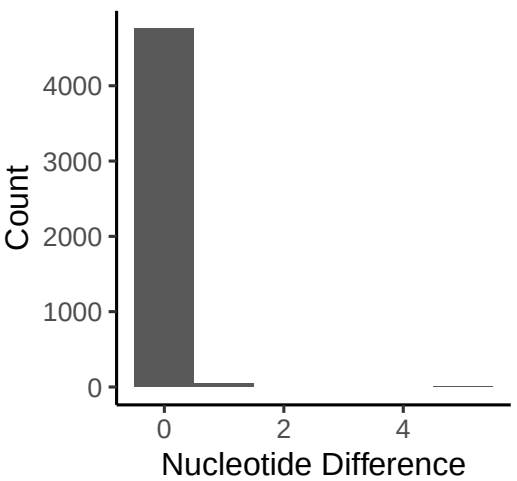
TRBV6−7*ap01

323 sequences assigned
319 (98.8%) exact matches, in which:
313 unique CDR3
13 unique J



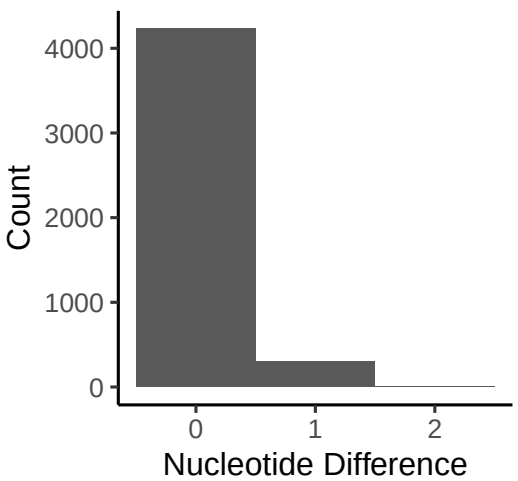
TRBV5−6*ap01

4810 sequences assigned
4757 (98.9%) exact matches, in which:
4627 unique CDR3
13 unique J



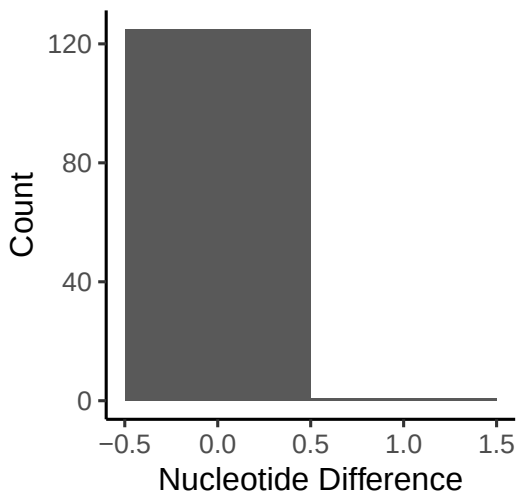
TRBV6−1*ap01

4540 sequences assigned
4231 (93.2%) exact matches, in which:
4142 unique CDR3
13 unique J



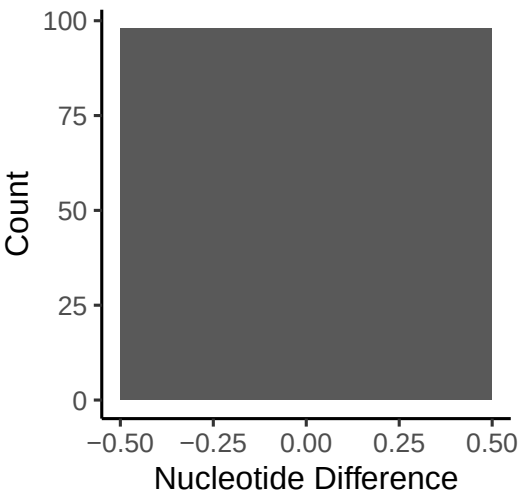
TRBV6−8*ap01

126 sequences assigned
125 (99.2%) exact matches, in which:
124 unique CDR3
13 unique J



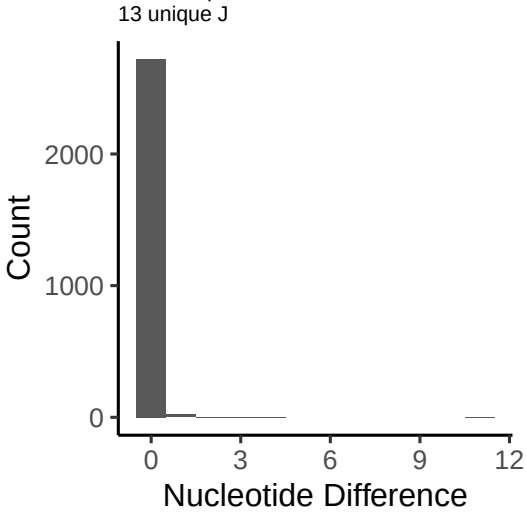
TRBV5−7*ap01

98 sequences assigned
98 (100%) exact matches, in which:
96 unique CDR3
12 unique J



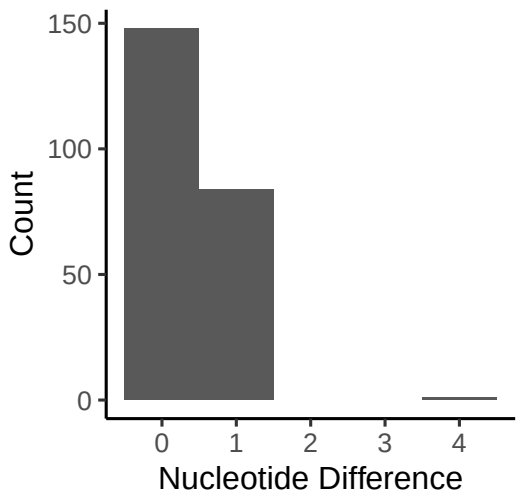
TRBV6−4*ap01

2751 sequences assigned
2721 (98.9%) exact matches, in which:
2698 unique CDR3
13 unique J



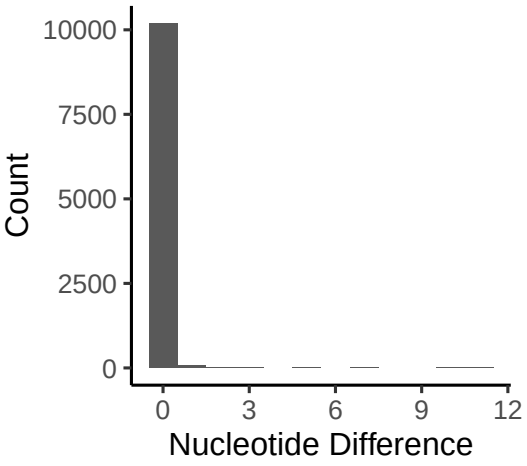
TRBV6−9*ap01

233 sequences assigned
148 (63.5%) exact matches, in which:
147 unique CDR3
13 unique J



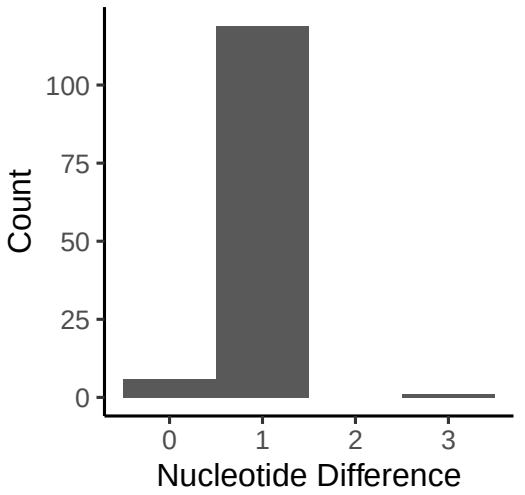
TRBV6−23*ap01

10297 sequences assigned
10197 (99%) exact matches, in which:
9942 unique CDR3
13 unique J



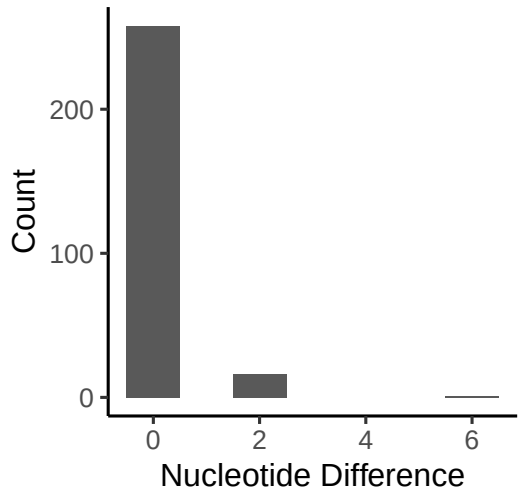
TRBV7−1*ap01_T296C

126 sequences assigned
6 (4.8%) exact matches, in which:
6 unique CDR3
5 unique J



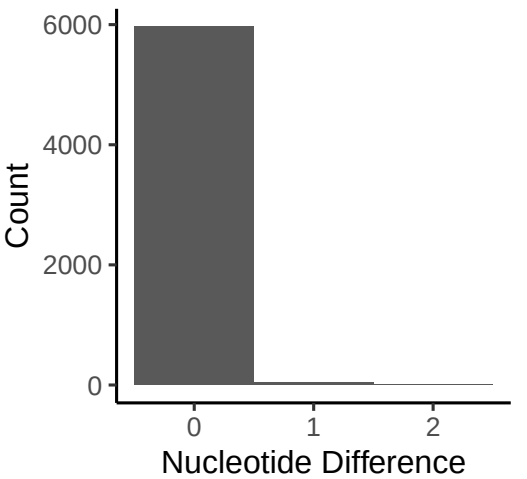
TRBV7−4*ap01

275 sequences assigned
258 (93.8%) exact matches, in which:
255 unique CDR3
13 unique J



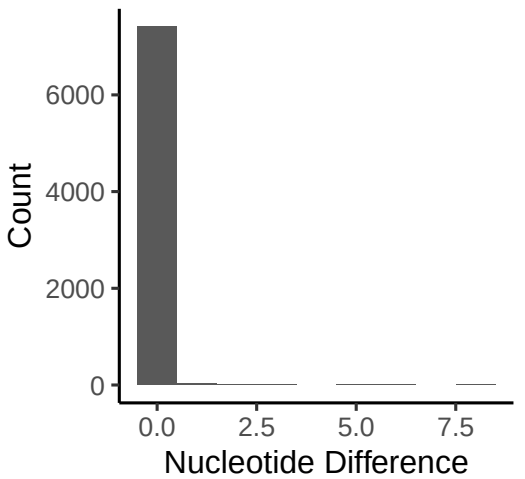
TRBV6−56*ap01

6015 sequences assigned
5965 (99.2%) exact matches, in which:
5836 unique CDR3
13 unique J



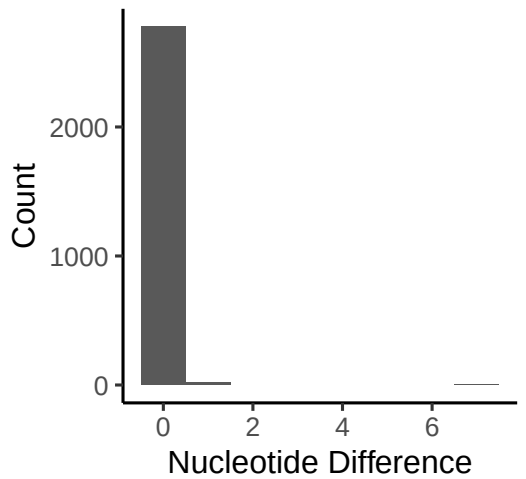
TRBV7−2*ap01

7460 sequences assigned
7410 (99.3%) exact matches, in which:
7319 unique CDR3
13 unique J



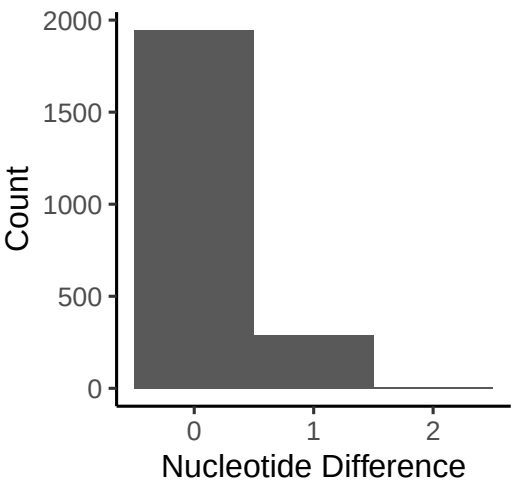
TRBV7−6*ap01

2796 sequences assigned
2777 (99.3%) exact matches, in which:
2731 unique CDR3
13 unique J



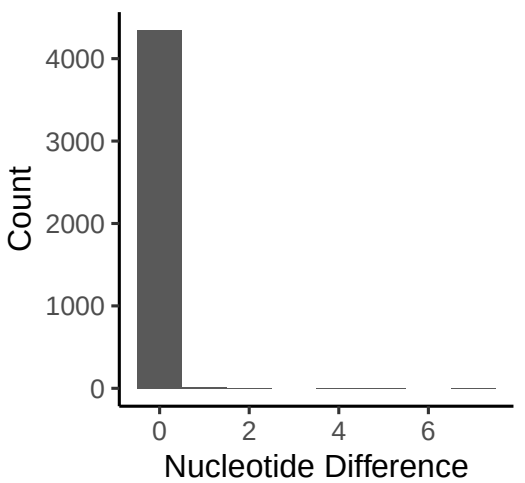
TRBV6−56*ap02

2242 sequences assigned
1946 (86.8%) exact matches, in which:
1903 unique CDR3
13 unique J



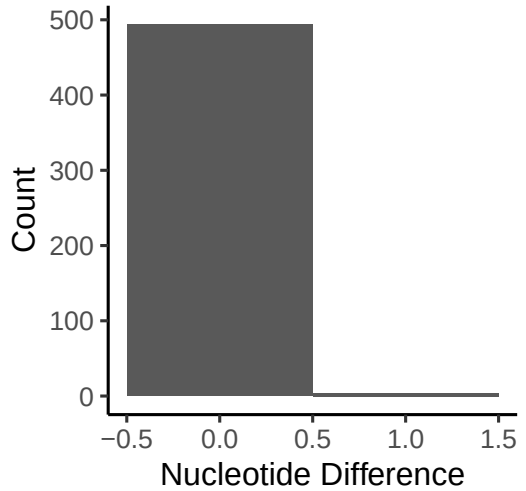
TRBV7−3*ap01

4369 sequences assigned
4347 (99.5%) exact matches, in which:
4296 unique CDR3
13 unique J



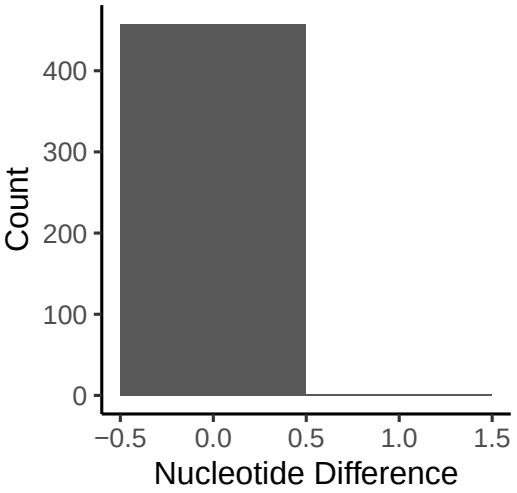
TRBV7−7*ap01

498 sequences assigned
494 (99.2%) exact matches, in which:
486 unique CDR3
13 unique J



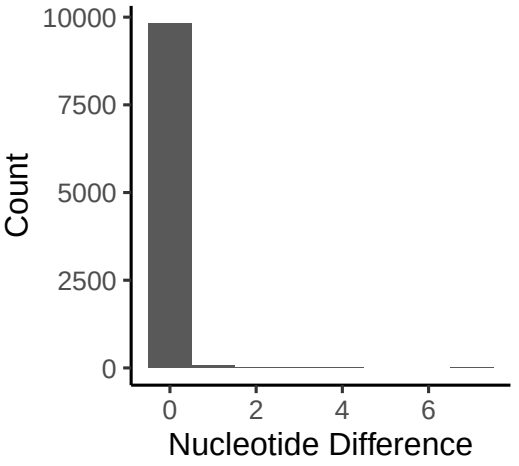
TRBV7−7*ap01_C315T

460 sequences assigned
458 (99.6%) exact matches, in which:
451 unique CDR3
13 unique J



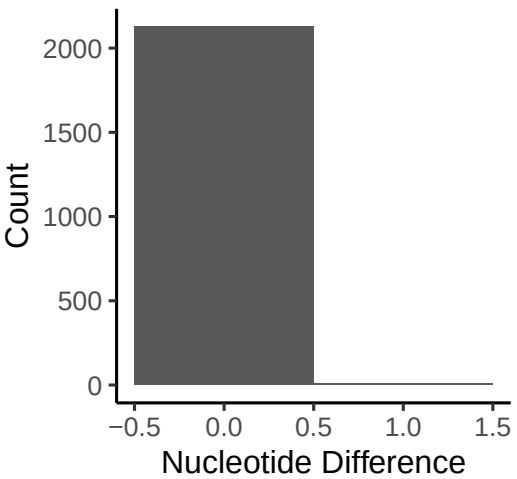
TRBV7−9*ap01

9900 sequences assigned
9829 (99.3%) exact matches, in which:
9684 unique CDR3
13 unique J



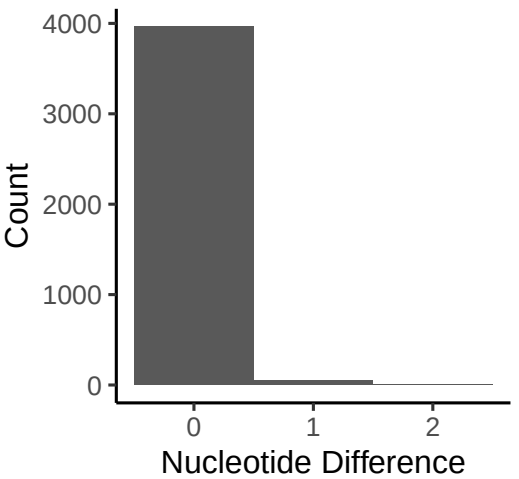
TRBV7−8*ap01

2138 sequences assigned
2127 (99.5%) exact matches, in which:
2103 unique CDR3
13 unique J



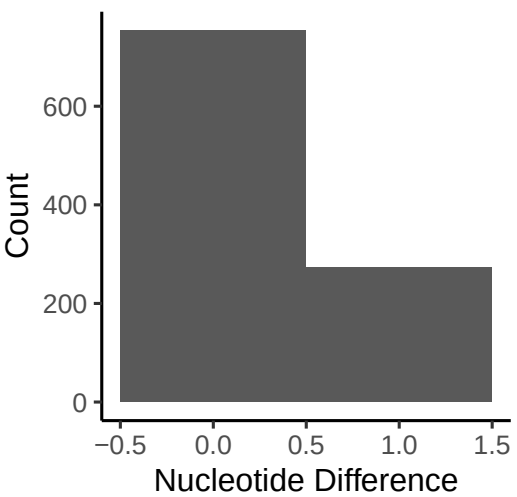
TRBV29−1*ap01

4018 sequences assigned
3963 (98.6%) exact matches, in which:
3850 unique CDR3
13 unique J



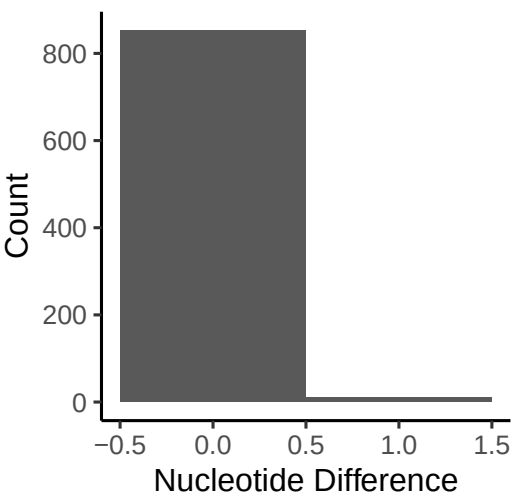
TRBV7−8*ap03

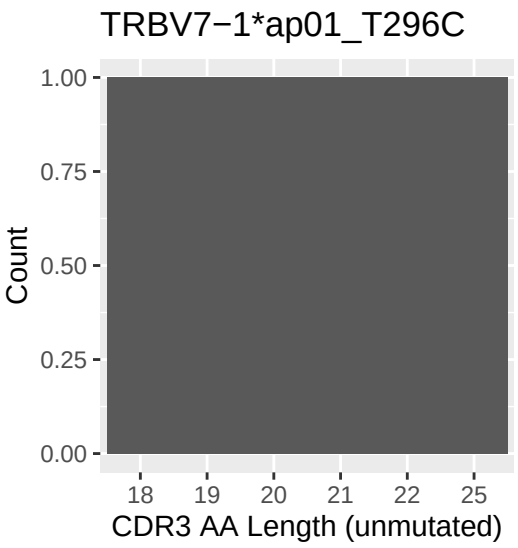
1027 sequences assigned
754 (73.4%) exact matches, in which:
744 unique CDR3
13 unique J

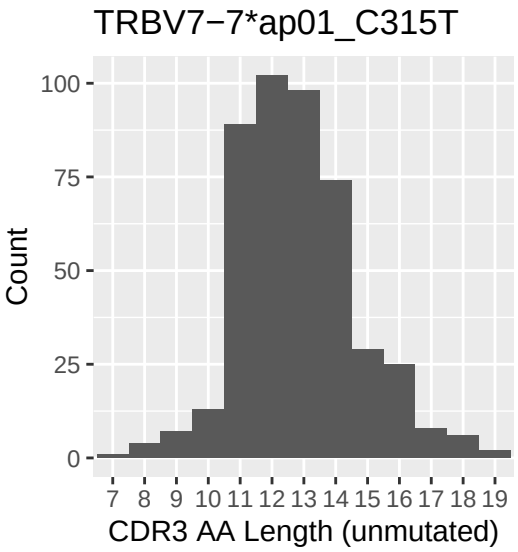


TRBV29−1*ap02

864 sequences assigned
853 (98.7%) exact matches, in which:
828 unique CDR3
13 unique J




TRBV7−1*ap01_T296C
1.00
0.75
0.50
0.25
0.00
Count
18
19
20
21
22
25
CDR3 AA Length (unmutated)


TRBV7−7*ap01_C315T
100
75
50
25
0
Count
7
8
9
10
11
12
13
14
15
16
17
18
19
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.