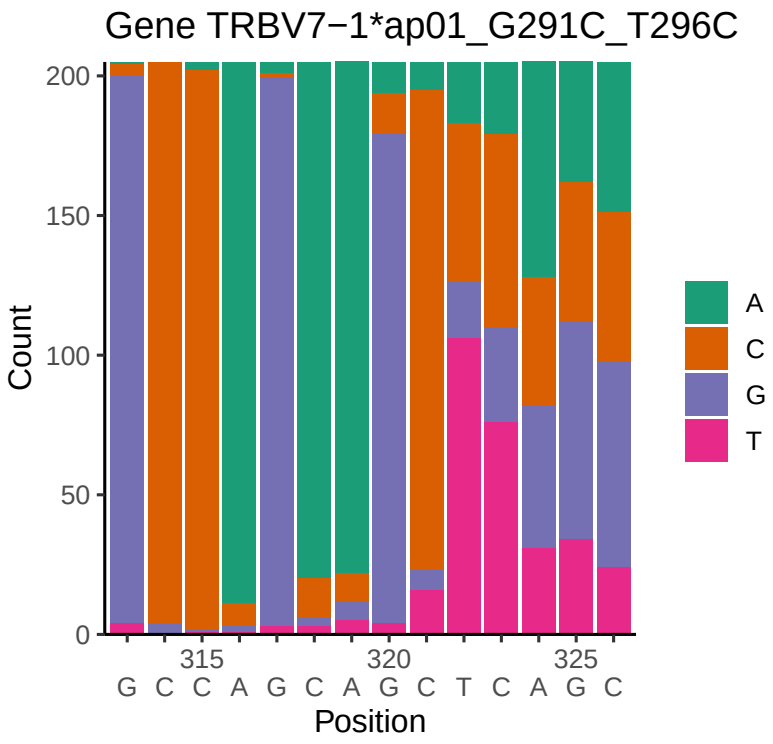
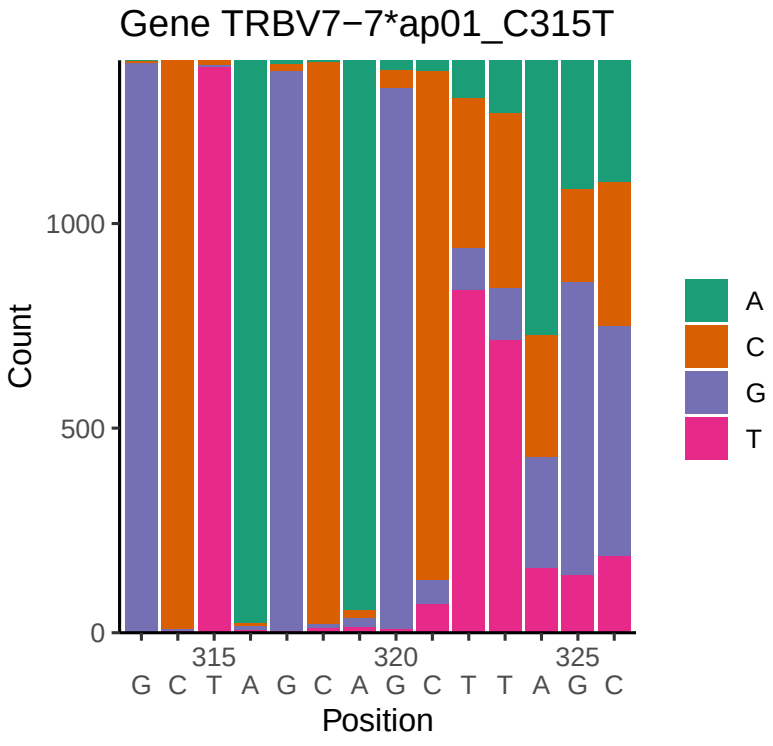
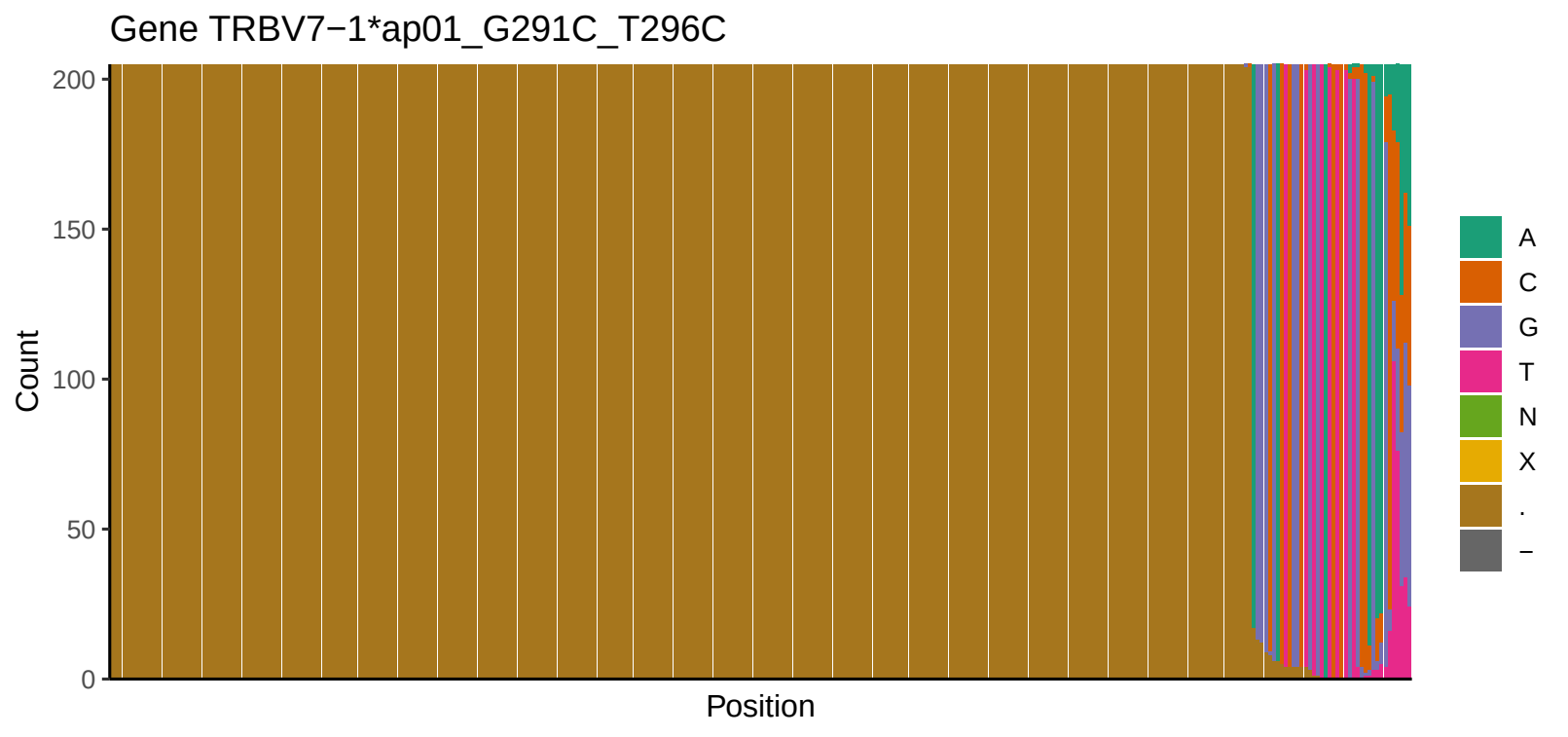
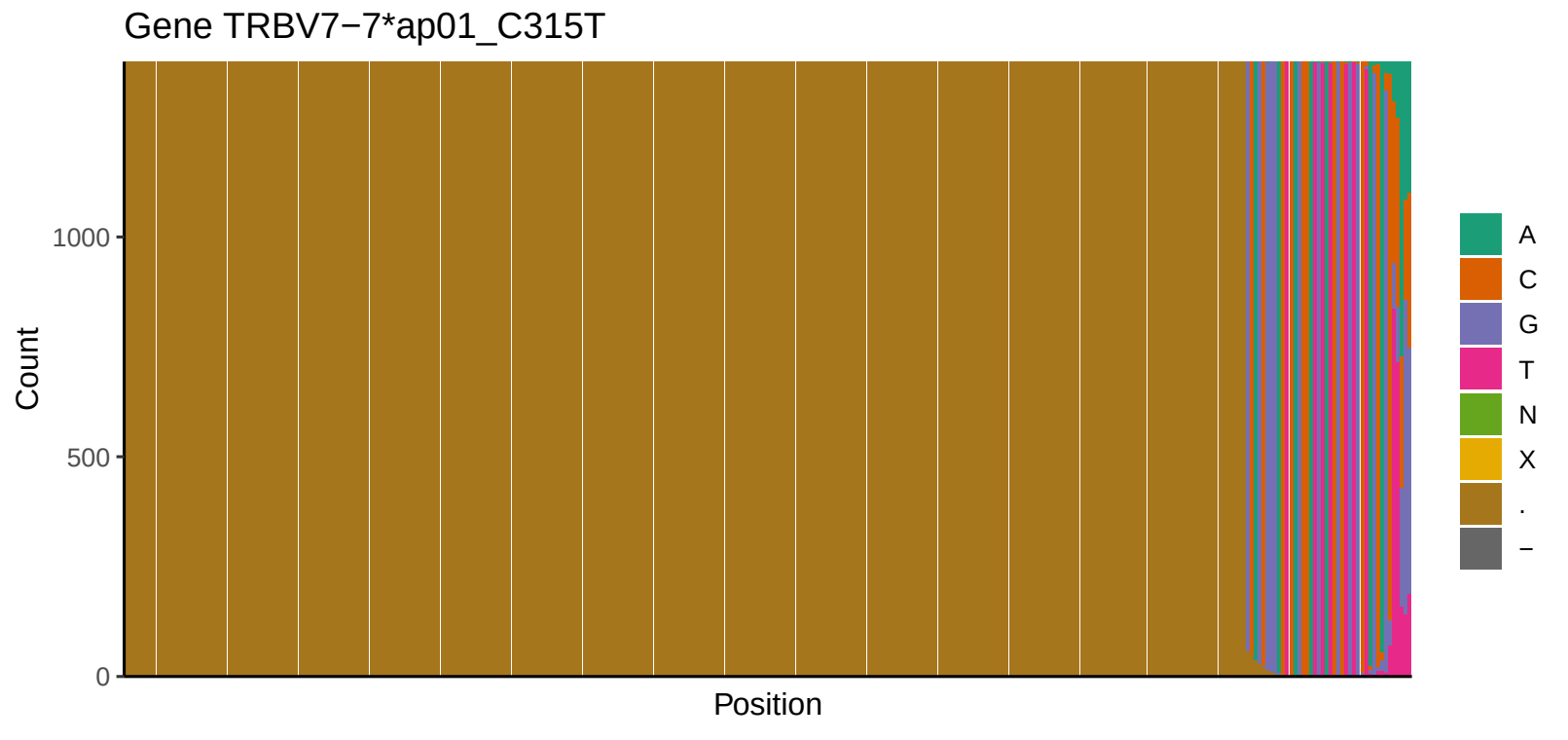
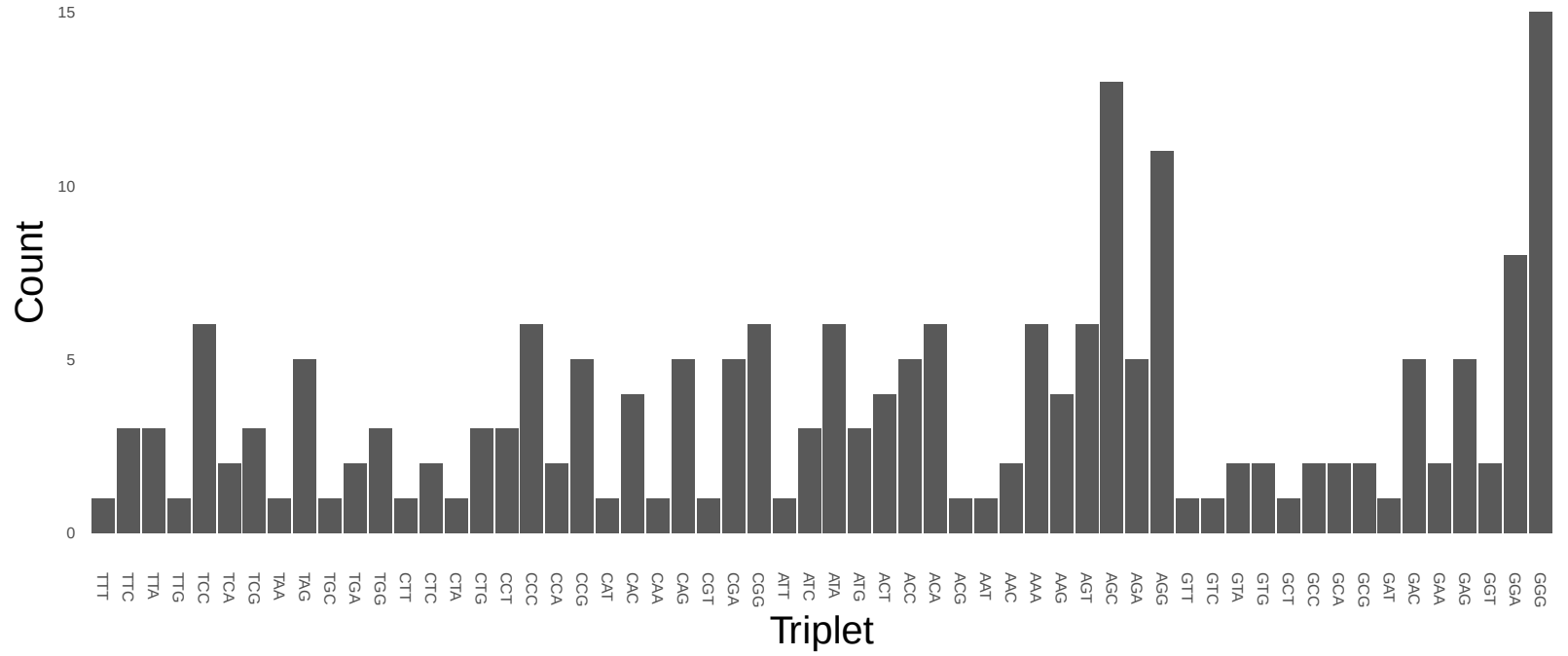

Gene TRBV7−1*ap01_G291C_T296C
Count
200
150
100
50
0
315
320
325
G C C A G C A G C T C A G C
Position
A
C
G
T


Gene TRBV7−7*ap01_C315T
Count
1000
500
0
315
320
325
G C T A G C A G C T T A G C
Position
A
C
G
T

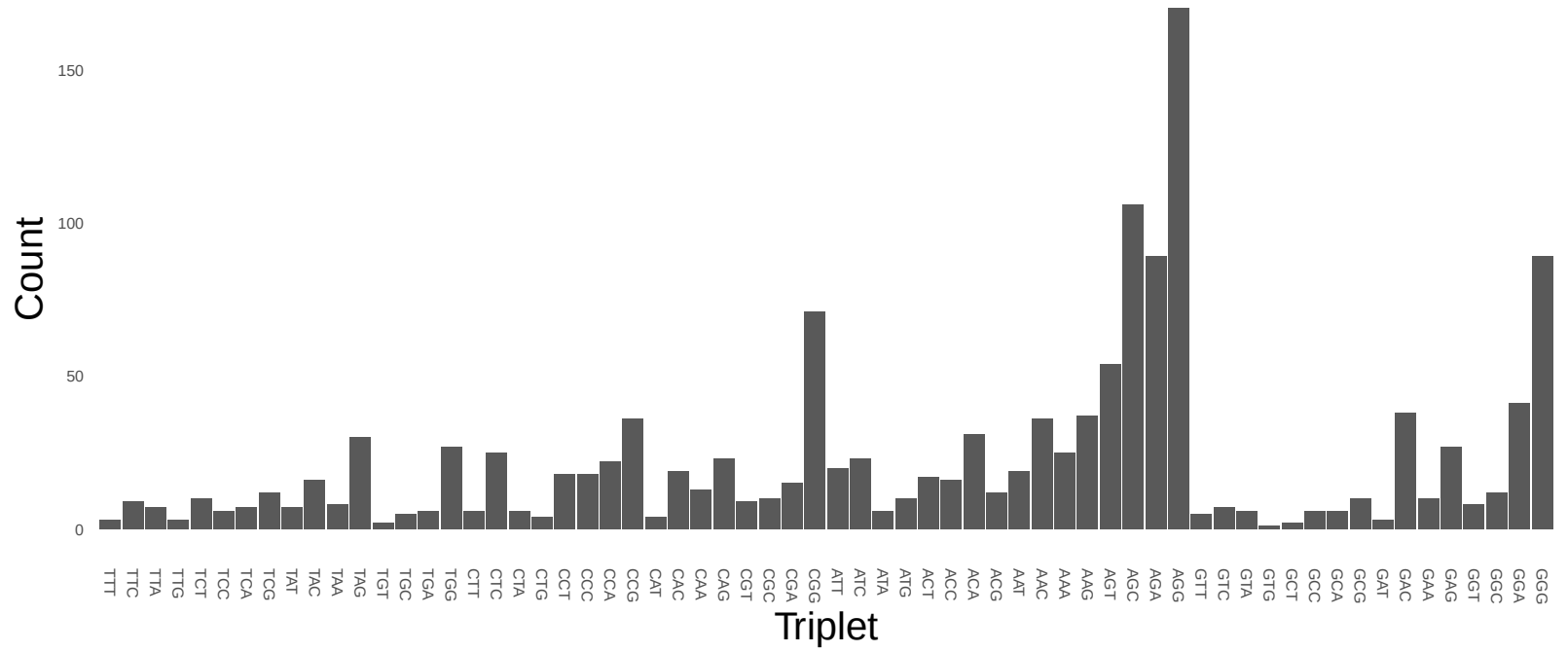

Gene TRBV7−1*ap01_G291C_T296C
200
150
100
50
0
Count
Position
A
C
G
T
N
X
.
–


Gene TRBV7−7*ap01_C315T
1000
500
0
Count
Position
A
C
G
T
N
X
.
–

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

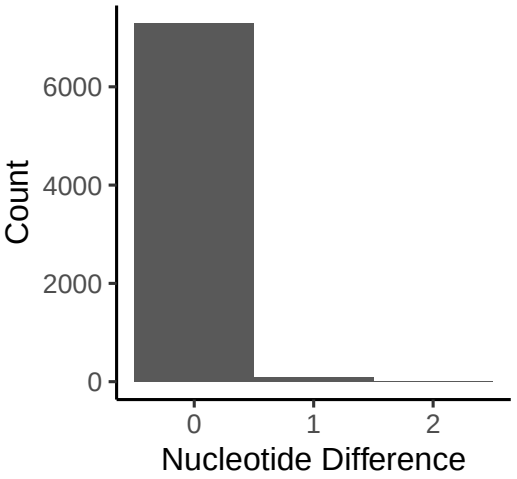


TRBV7−7*ap01_C315T− Final 3 nucleotides as a triplet



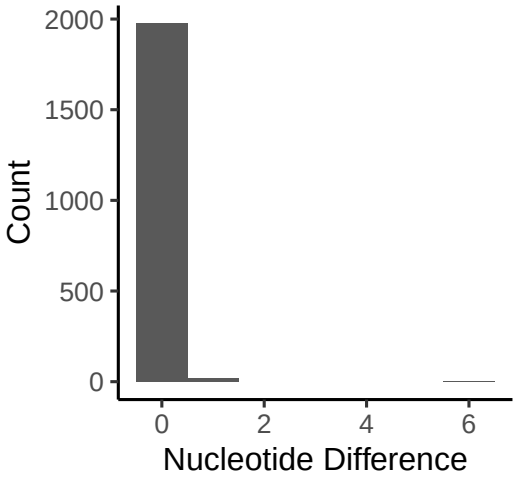
TRBV20−1*ap01

7385 sequences assigned
7290 (98.7%) exact matches, in which:
7122 unique CDR3
13 unique J



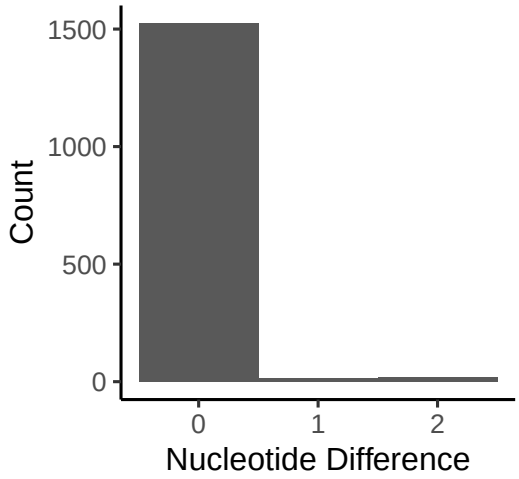
TRBV10−2*ap01

1995 sequences assigned
1976 (99%) exact matches, in which:
1925 unique CDR3
13 unique J



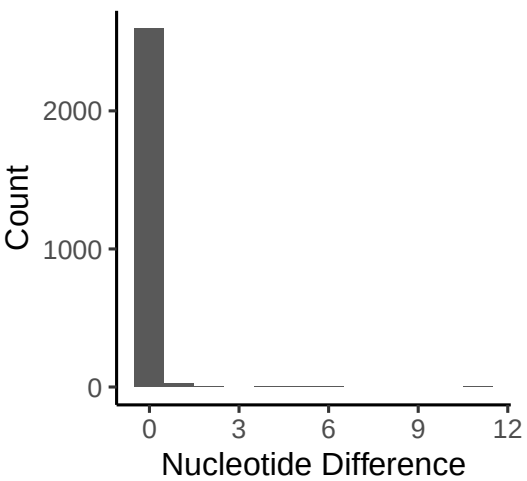
TRBV13*ap01

1559 sequences assigned
1524 (97.8%) exact matches, in which:
1487 unique CDR3
13 unique J



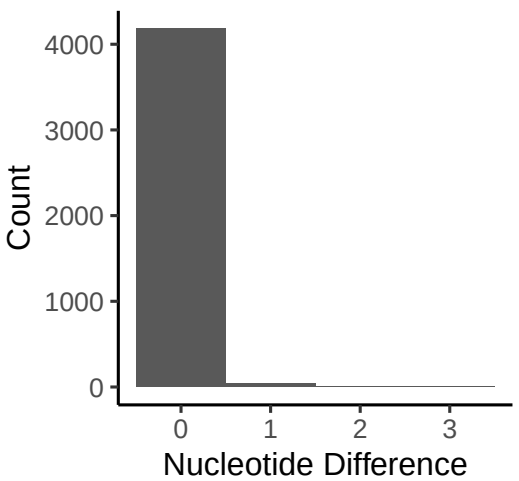
TRBV10−1*ap01

2624 sequences assigned
2595 (98.9%) exact matches, in which:
2524 unique CDR3
13 unique J



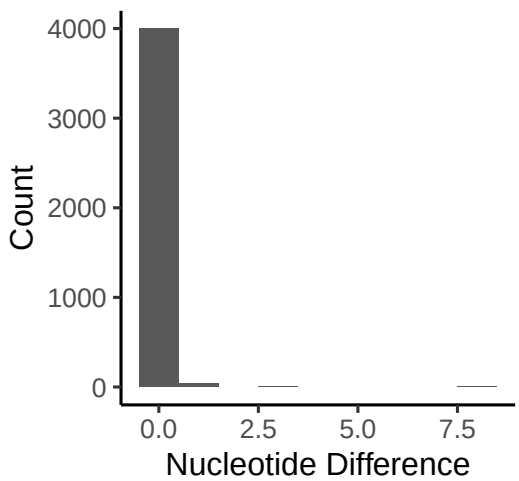
TRBV10−3*ap01

4229 sequences assigned
4181 (98.9%) exact matches, in which:
4056 unique CDR3
13 unique J



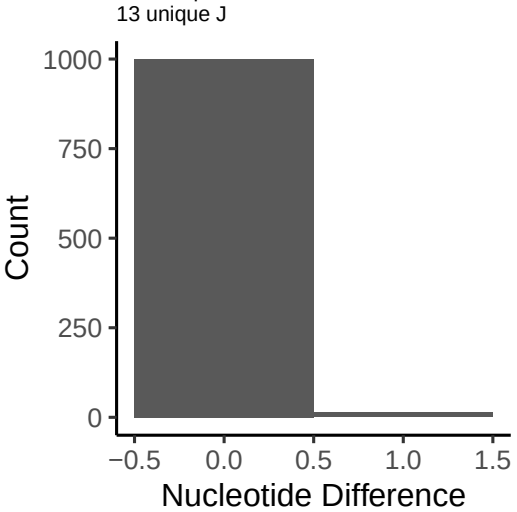
TRBV14*ap01

4037 sequences assigned
3998 (99%) exact matches, in which:
3902 unique CDR3
13 unique J



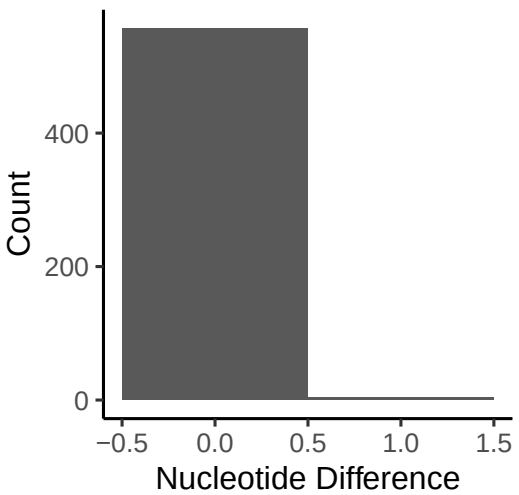
TRBV20−1*ap02

1013 sequences assigned
1000 (98.7%) exact matches, in which:
976 unique CDR3
13 unique J



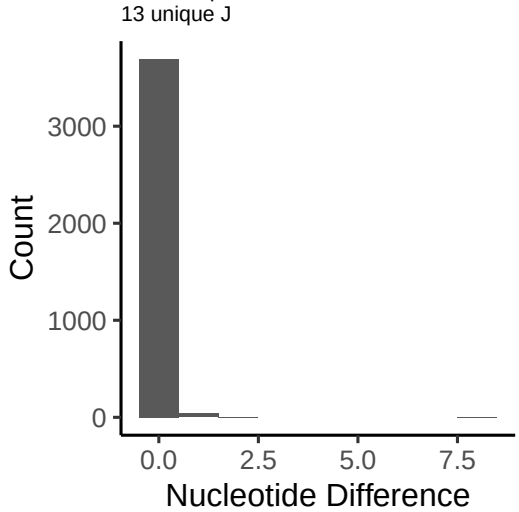
TRBV1*ap01

561 sequences assigned
557 (99.3%) exact matches, in which:
543 unique CDR3
13 unique J



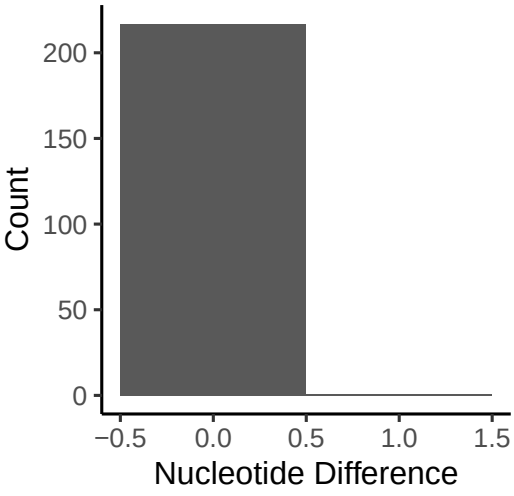
TRBV15*ap02

3733 sequences assigned
3692 (98.9%) exact matches, in which:
3593 unique CDR3
13 unique J



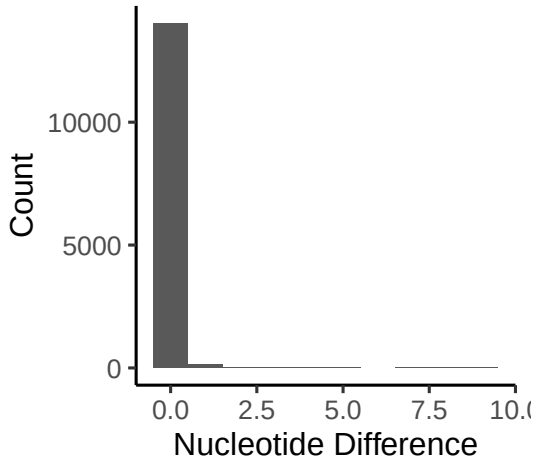
TRBV16*ap01

218 sequences assigned
217 (99.5%) exact matches, in which:
213 unique CDR3
13 unique J



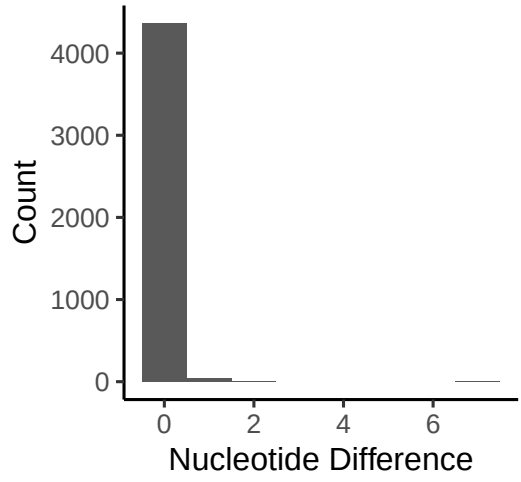
TRBV19*ap01

14209 sequences assigned
14030 (98.7%) exact matches, in which:
13817 unique CDR3
13 unique J



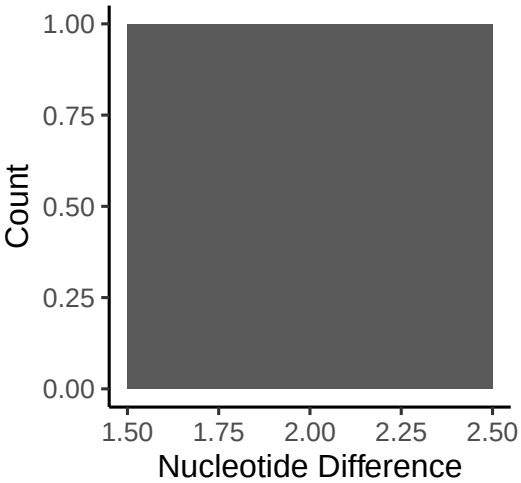
TRBV28*ap01

4409 sequences assigned
4362 (98.9%) exact matches, in which:
4250 unique CDR3
13 unique J



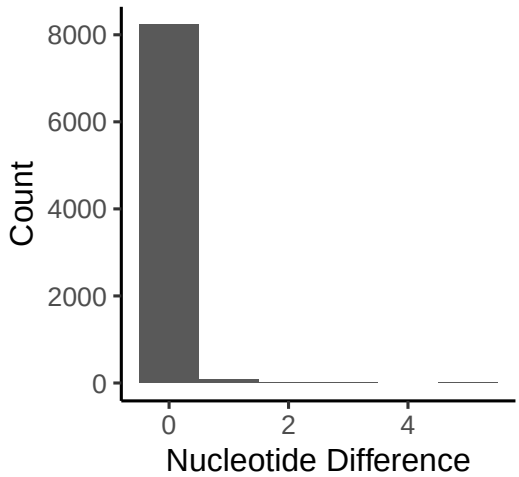
TRBV17*ap01

1 sequences assigned
No exact matches.



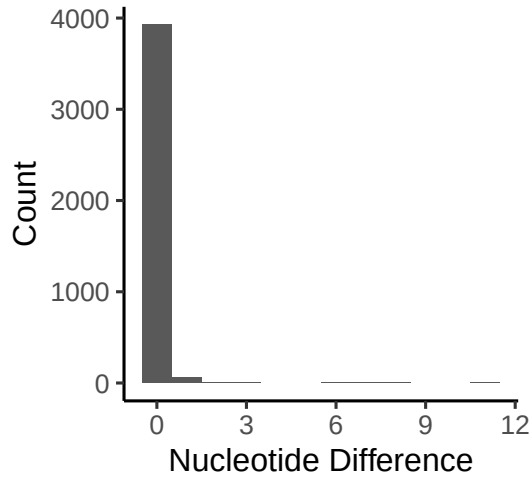
TRBV2*ap01

8327 sequences assigned
8231 (98.8%) exact matches, in which:
8053 unique CDR3
13 unique J



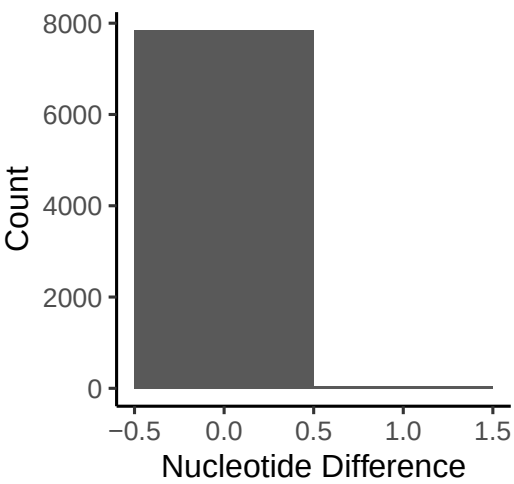
TRBV30*ap02

3997 sequences assigned
3927 (98.2%) exact matches, in which:
3865 unique CDR3
13 unique J



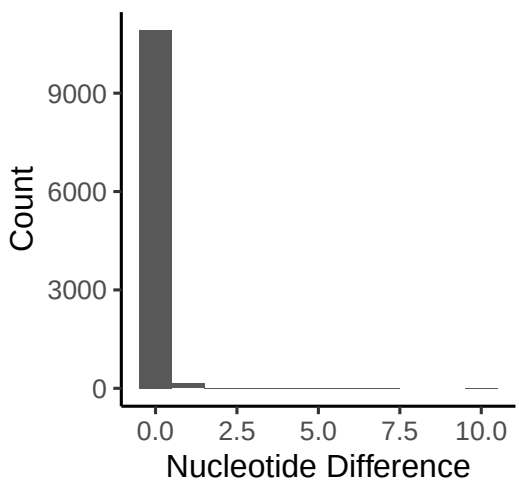
TRBV18*ap01

7896 sequences assigned
7850 (99.4%) exact matches, in which:
7692 unique CDR3
13 unique J



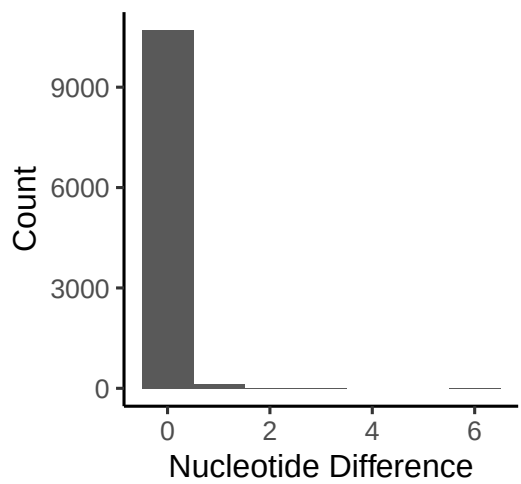
TRBV27*ap01

11085 sequences assigned
10925 (98.6%) exact matches, in which:
10660 unique CDR3
13 unique J



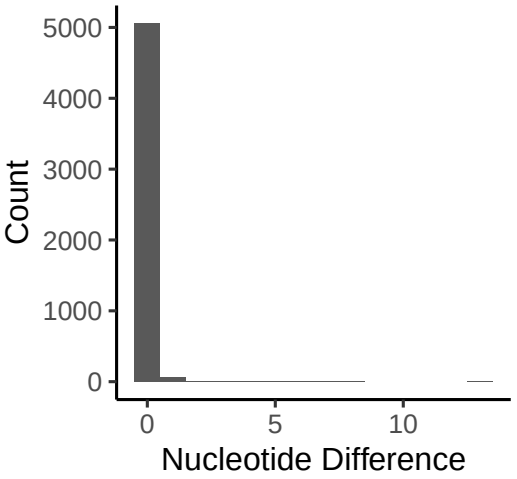
TRBV9*ap01

10835 sequences assigned
10708 (98.8%) exact matches, in which:
10470 unique CDR3
13 unique J



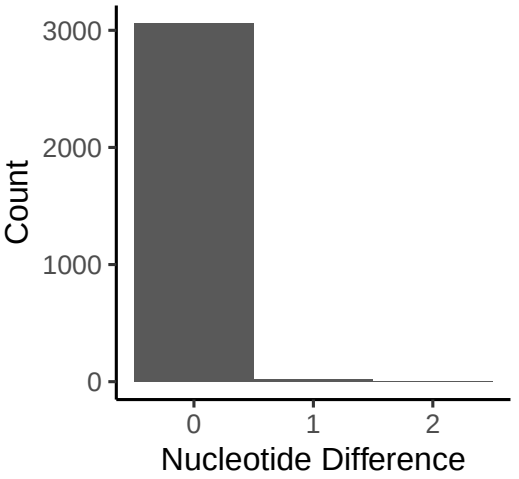
TRBV21−1*ap01

5138 sequences assigned
5057 (98.4%) exact matches, in which:
4948 unique CDR3
13 unique J



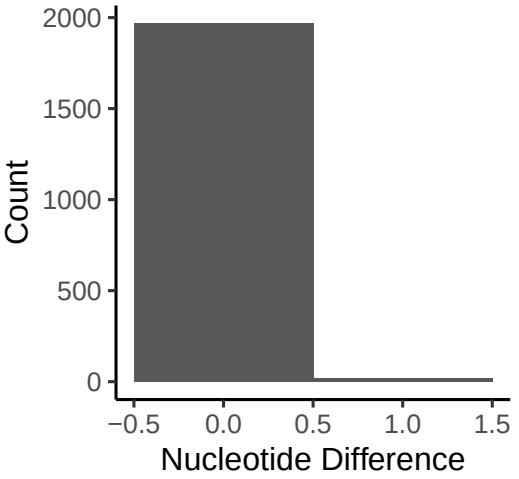
TRBV11−3*ap01

3084 sequences assigned
3059 (99.2%) exact matches, in which:
2986 unique CDR3
13 unique J



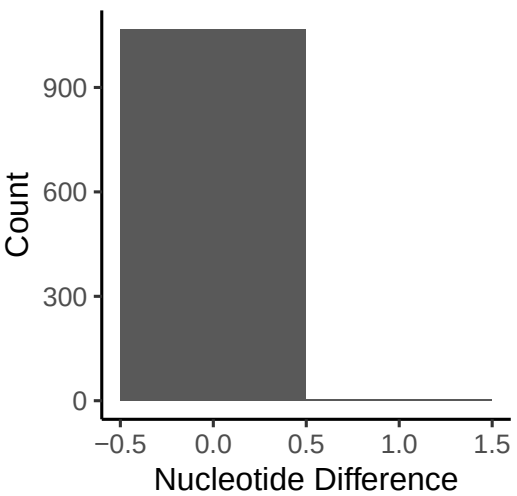
TRBV12−5*ap01

1988 sequences assigned
1968 (99%) exact matches, in which:
1921 unique CDR3
13 unique J



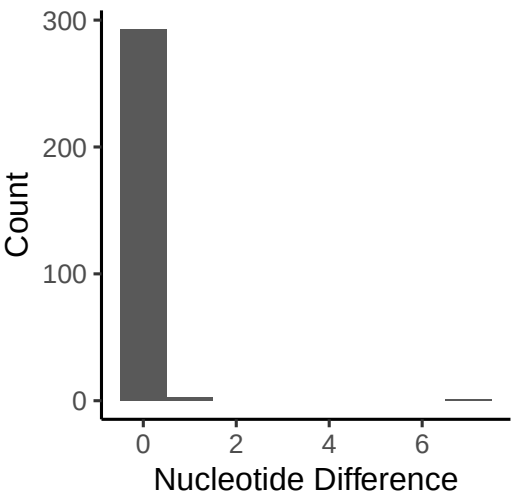
TRBV11−1*ap01

1072 sequences assigned
1068 (99.6%) exact matches, in which:
1046 unique CDR3
13 unique J



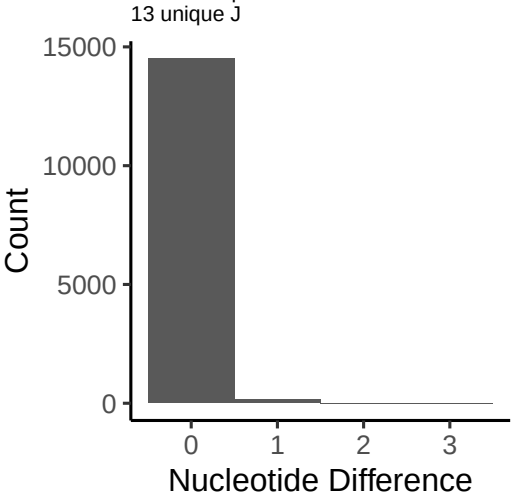
TRBV12−1*ap01

297 sequences assigned
293 (98.7%) exact matches, in which:
286 unique CDR3
13 unique J



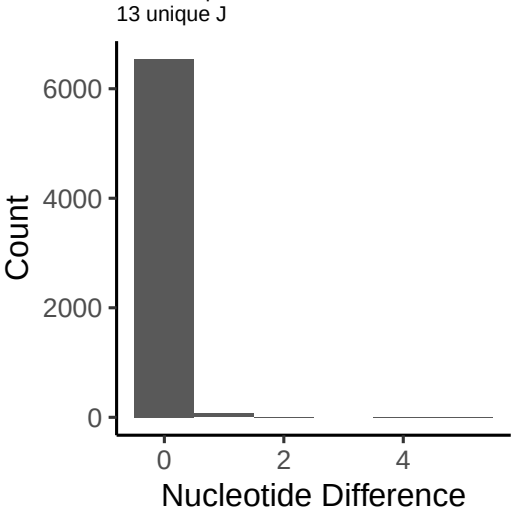
TRBV12−34*ap01

14680 sequences assigned
14512 (98.9%) exact matches, in which:
14193 unique CDR3
13 unique J



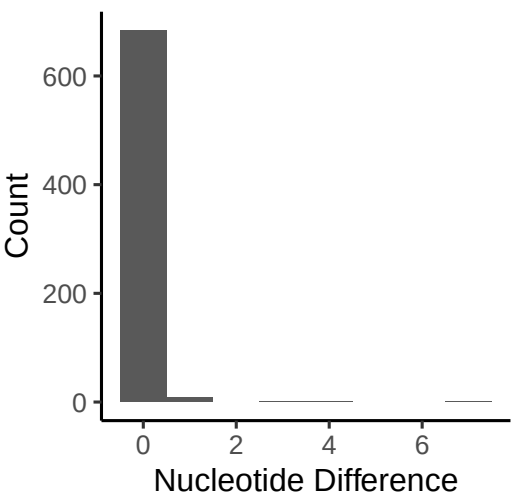
TRBV11−2*ap01

6617 sequences assigned
6542 (98.9%) exact matches, in which:
6383 unique CDR3
13 unique J



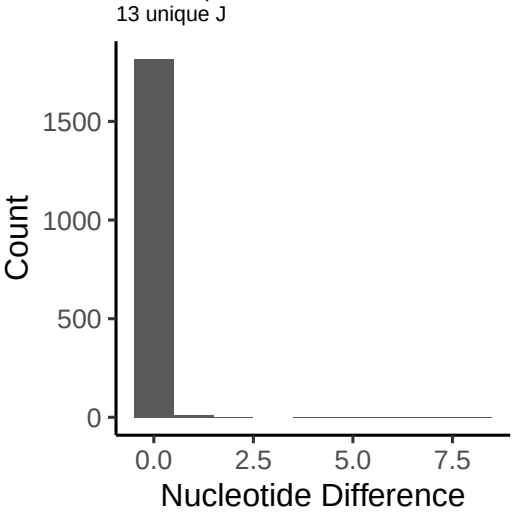
TRBV12−2*ap01

696 sequences assigned
684 (98.3%) exact matches, in which:
676 unique CDR3
13 unique J



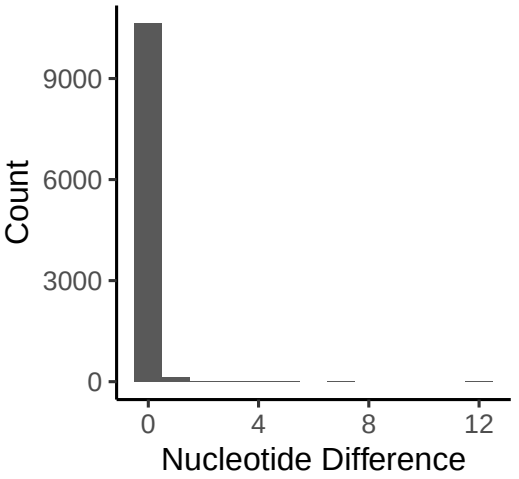
TRBV23−1*ap01

1836 sequences assigned
1816 (98.9%) exact matches, in which:
1765 unique CDR3
13 unique J



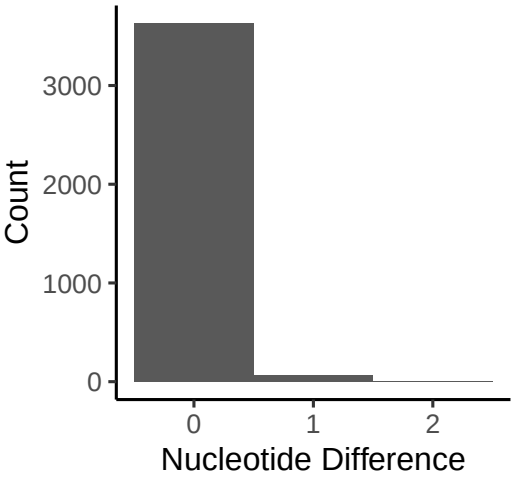
TRBV3−12*ap01

10776 sequences assigned
10636 (98.7%) exact matches, in which:
10381 unique CDR3
13 unique J



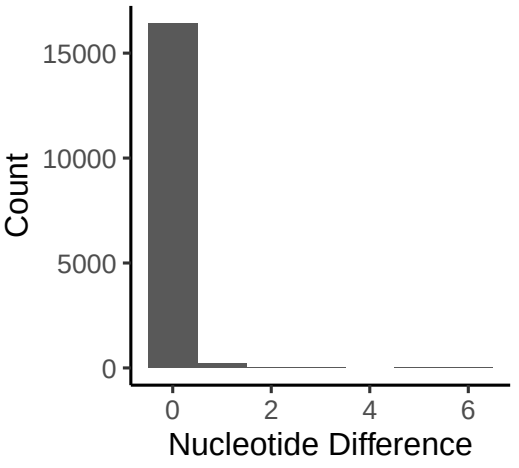
TRBV4−2*ap01

3691 sequences assigned
3629 (98.3%) exact matches, in which:
3543 unique CDR3
13 unique J



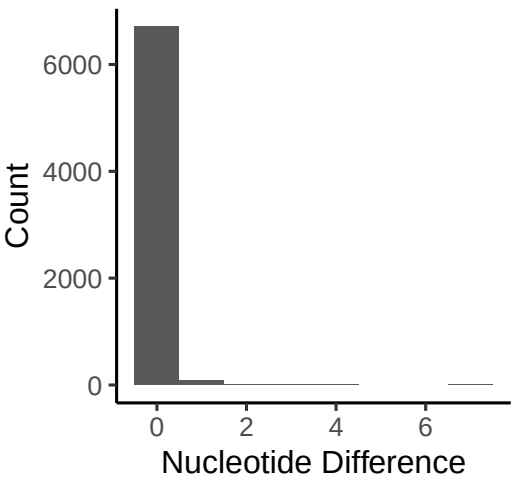
TRBV5−1*ap01

16630 sequences assigned
16429 (98.8%) exact matches, in which:
15986 unique CDR3
13 unique J



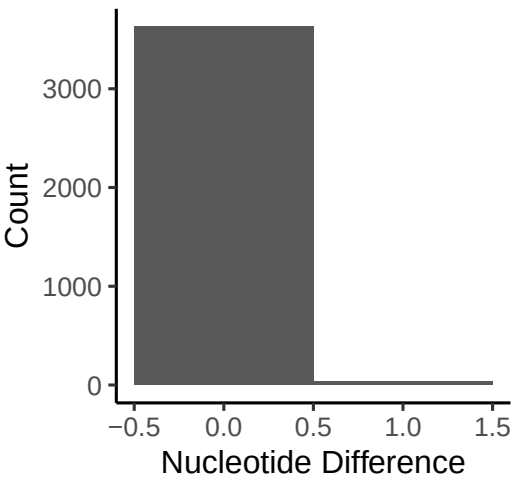
TRBV24−1*ap01

6811 sequences assigned
6707 (98.5%) exact matches, in which:
6598 unique CDR3
14 unique J



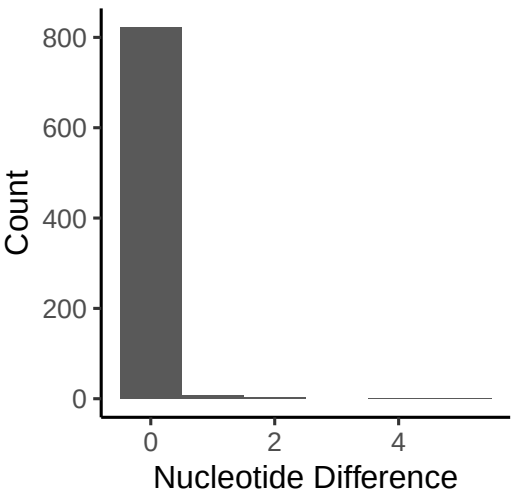
TRBV4−3*ap01

3668 sequences assigned
3628 (98.9%) exact matches, in which:
3552 unique CDR3
13 unique J



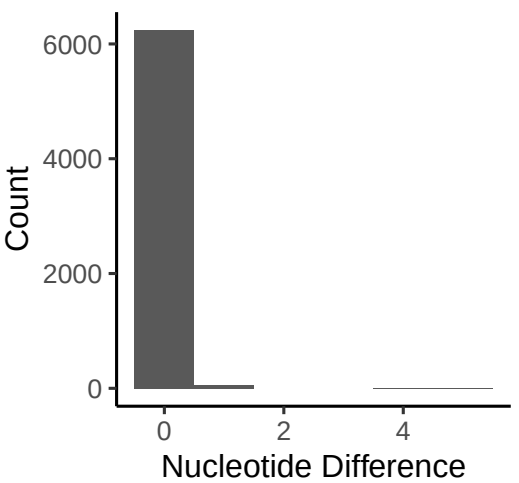
TRBV5−3*ap01

836 sequences assigned
823 (98.4%) exact matches, in which:
807 unique CDR3
13 unique J



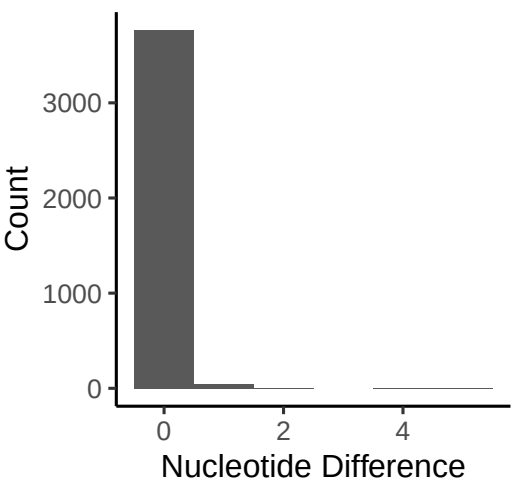
TRBV4−1*ap01

6301 sequences assigned
6242 (99.1%) exact matches, in which:
6112 unique CDR3
13 unique J



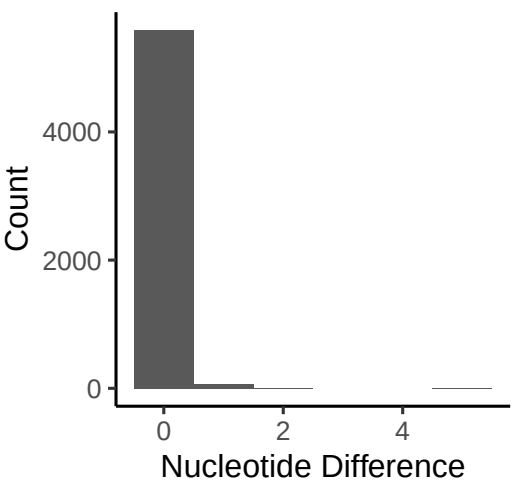
TRBV25−1*ap01

3815 sequences assigned
3765 (98.7%) exact matches, in which:
3700 unique CDR3
13 unique J



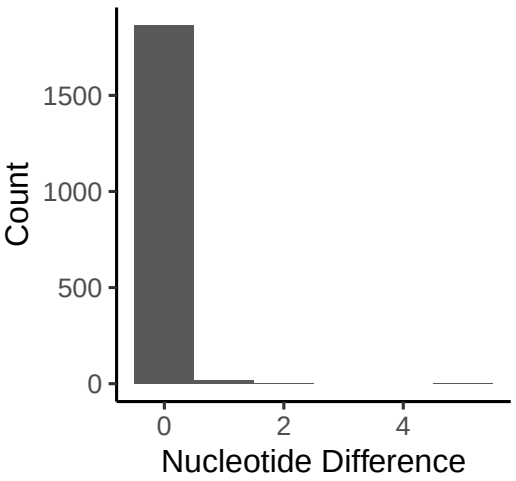
TRBV5−4*ap01

5658 sequences assigned
5589 (98.8%) exact matches, in which:
5456 unique CDR3
13 unique J



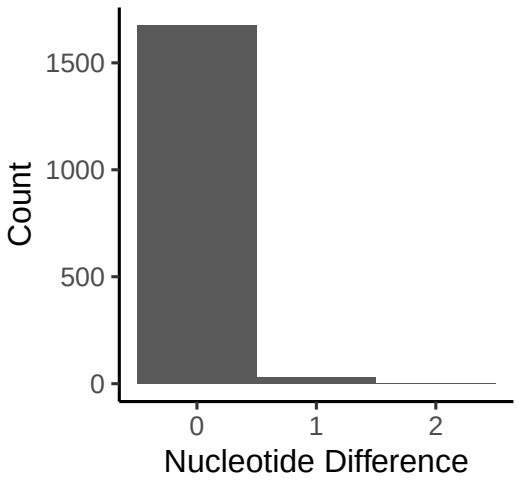
TRBV5−5*ap01

1885 sequences assigned
1864 (98.9%) exact matches, in which:
1838 unique CDR3
13 unique J



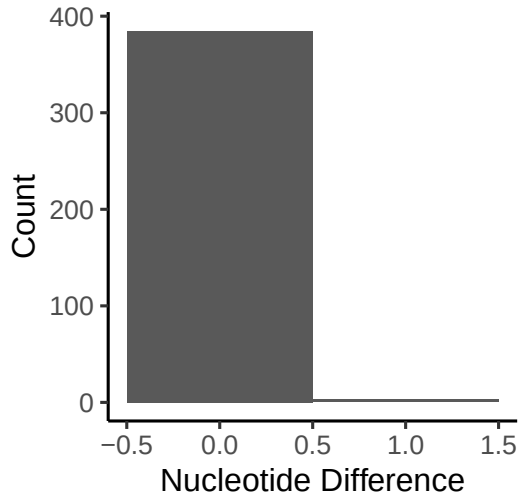
TRBV5−8*ap01

1706 sequences assigned
1675 (98.2%) exact matches, in which:
1634 unique CDR3
13 unique J



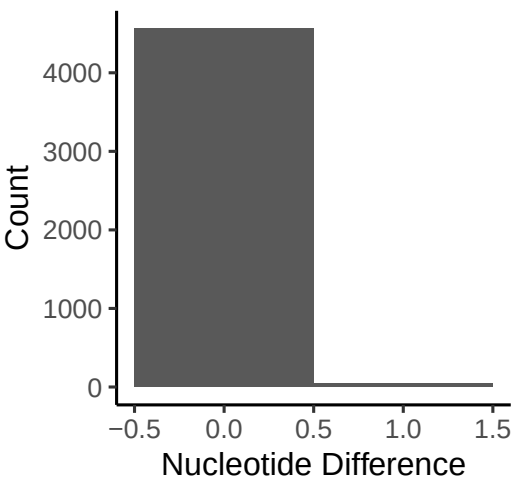
TRBV6−7*ap01

388 sequences assigned
385 (99.2%) exact matches, in which:
375 unique CDR3
13 unique J



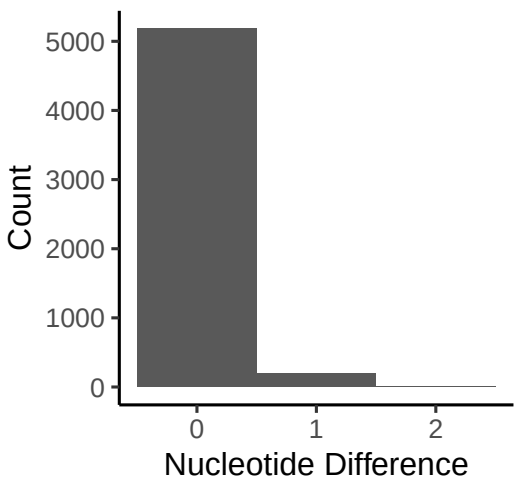
TRBV5−6*ap01

4607 sequences assigned
4561 (99%) exact matches, in which:
4461 unique CDR3
13 unique J



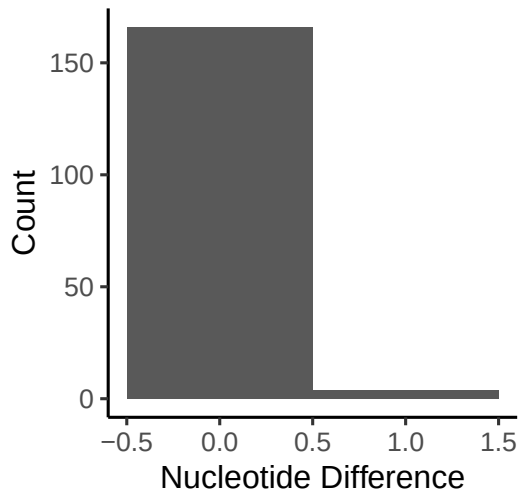
TRBV6−1*ap01

5387 sequences assigned
5182 (96.2%) exact matches, in which:
5042 unique CDR3
13 unique J



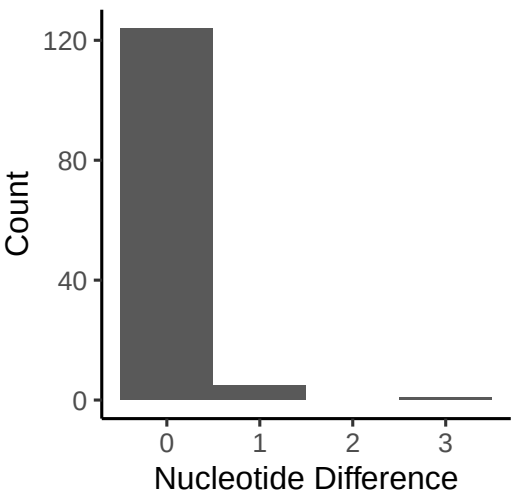
TRBV6−8*ap01

170 sequences assigned
166 (97.6%) exact matches, in which:
161 unique CDR3
13 unique J



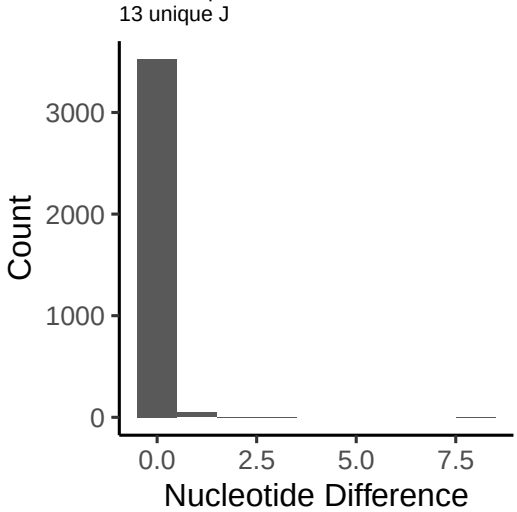
TRBV5−7*ap01

130 sequences assigned
124 (95.4%) exact matches, in which:
120 unique CDR3
13 unique J



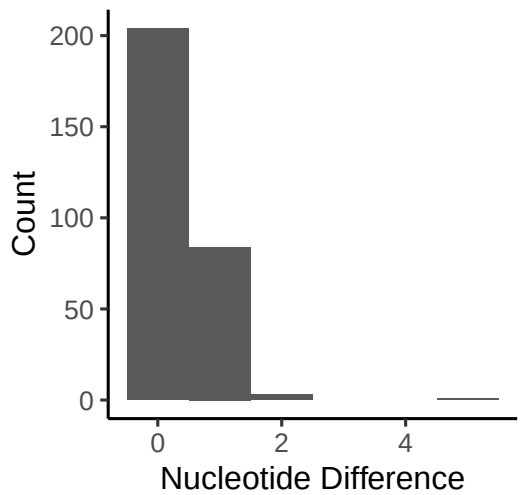
TRBV6−4*ap01

3584 sequences assigned
3526 (98.4%) exact matches, in which:
3465 unique CDR3
13 unique J



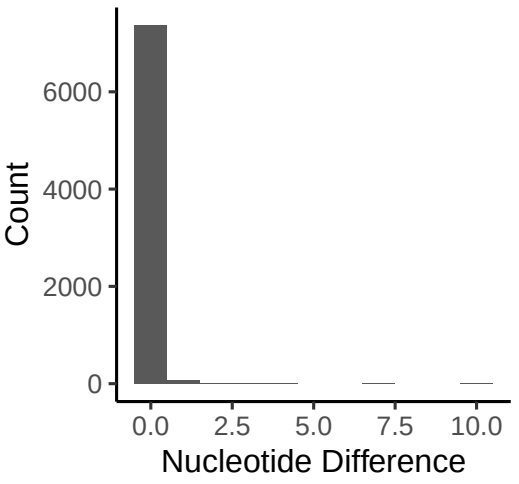
TRBV6−9*ap01

292 sequences assigned
204 (69.9%) exact matches, in which:
201 unique CDR3
13 unique J



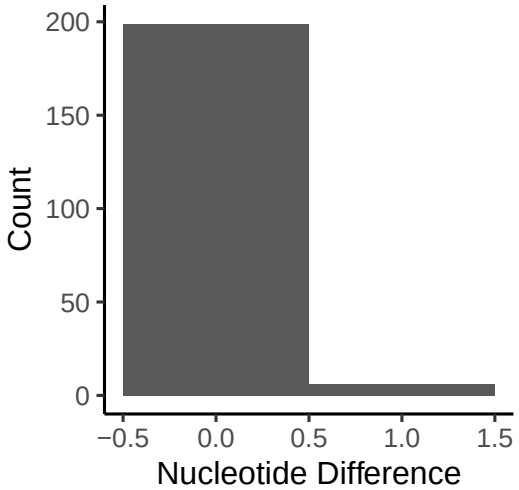
TRBV6−23*ap01

7442 sequences assigned
7365 (99%) exact matches, in which:
7217 unique CDR3
13 unique J



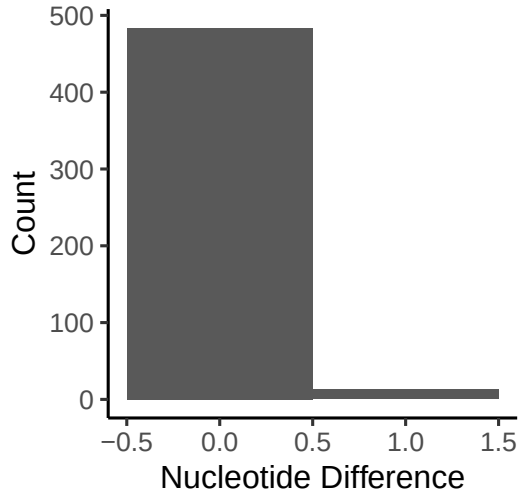
TRBV7−1*ap01_G291C_

205 sequences assigned
199 (97.1%) exact matches, in which:
194 unique CDR3
13 unique J



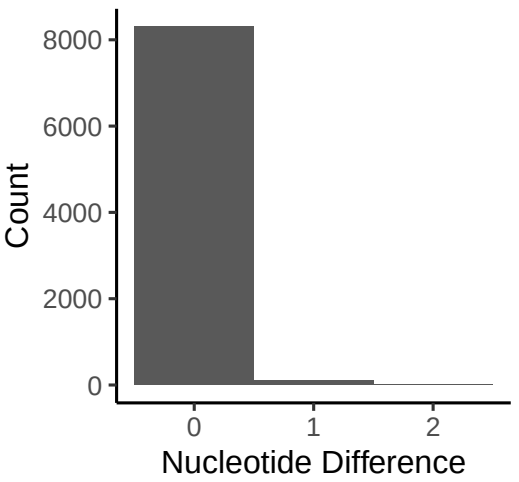
TRBV7−4*ap01

497 sequences assigned
484 (97.4%) exact matches, in which:
468 unique CDR3
13 unique J



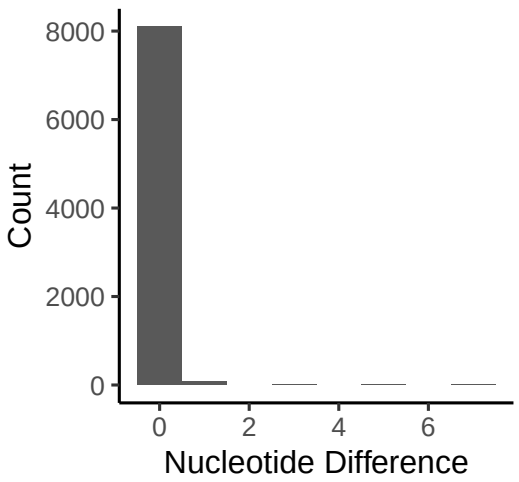
TRBV6−56*ap01

8407 sequences assigned
8303 (98.8%) exact matches, in which:
8080 unique CDR3
13 unique J



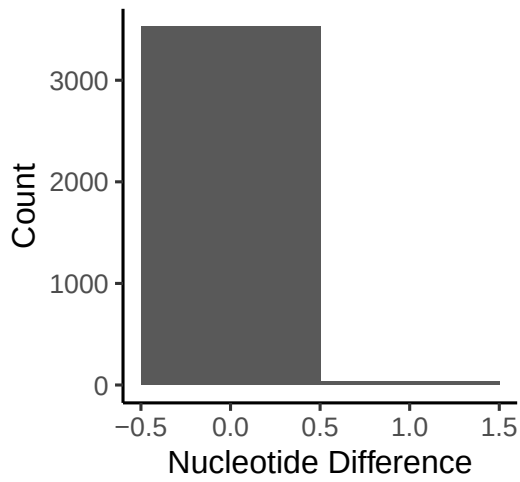
TRBV7−2*ap01

8183 sequences assigned
8098 (99%) exact matches, in which:
7931 unique CDR3
13 unique J



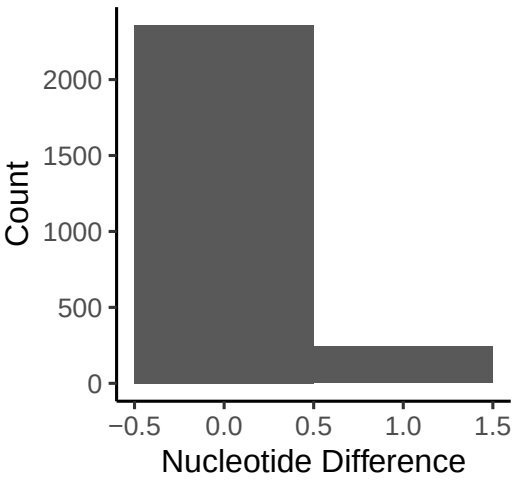
TRBV7−6*ap01

3558 sequences assigned
3527 (99.1%) exact matches, in which:
3432 unique CDR3
13 unique J



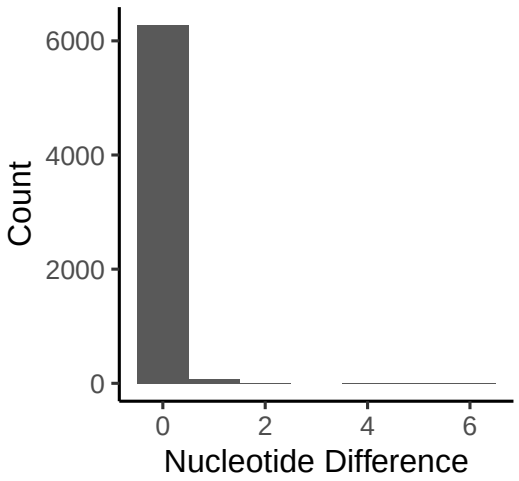
TRBV6−56*ap02

2602 sequences assigned
2359 (90.7%) exact matches, in which:
2302 unique CDR3
13 unique J



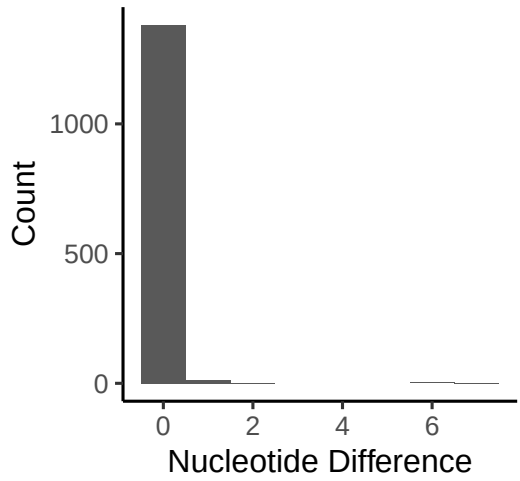
TRBV7−3*ap01

6354 sequences assigned
6277 (98.8%) exact matches, in which:
6177 unique CDR3
13 unique J



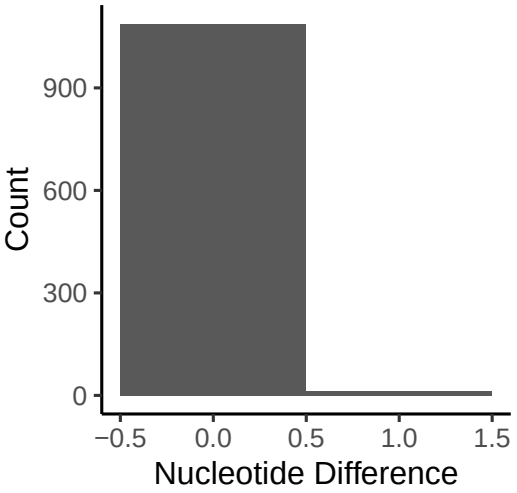
TRBV7−7*ap01_C315T

1399 sequences assigned
1381 (98.7%) exact matches, in which:
1343 unique CDR3
13 unique J



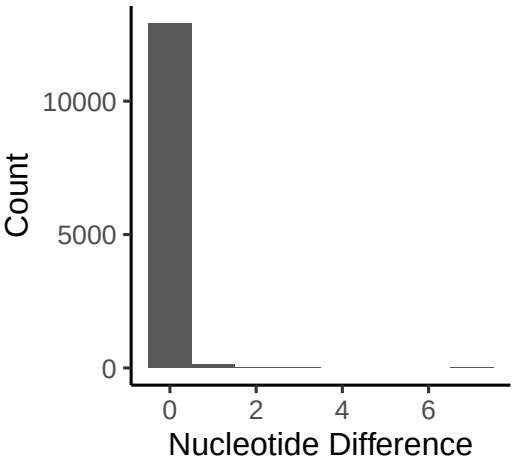
TRBV7−8*ap01

1101 sequences assigned
1088 (98.8%) exact matches, in which:
1064 unique CDR3
13 unique J



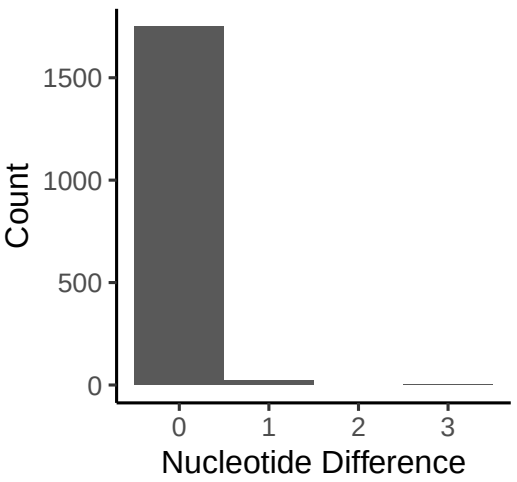
TRBV7−9*ap01

13052 sequences assigned
12924 (99%) exact matches, in which:
12701 unique CDR3
13 unique J



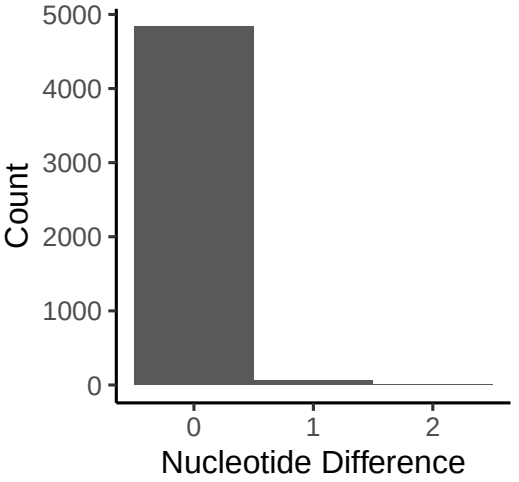
TRBV7−8*ap02

1771 sequences assigned
1749 (98.8%) exact matches, in which:
1703 unique CDR3
13 unique J



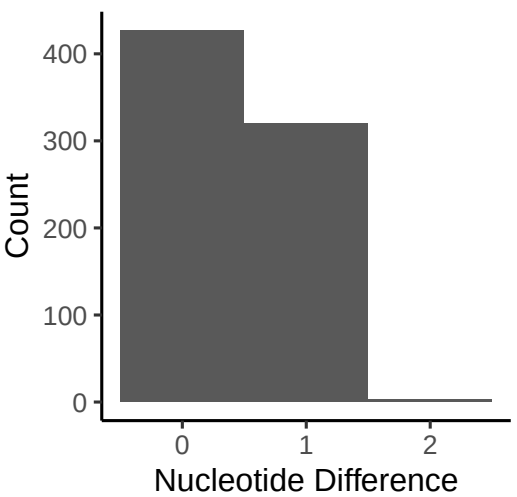
TRBV29−1*ap01

4891 sequences assigned
4834 (98.8%) exact matches, in which:
4742 unique CDR3
13 unique J



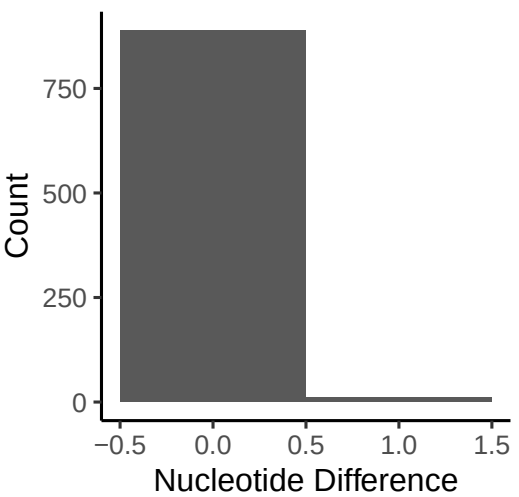
TRBV7−8*ap03

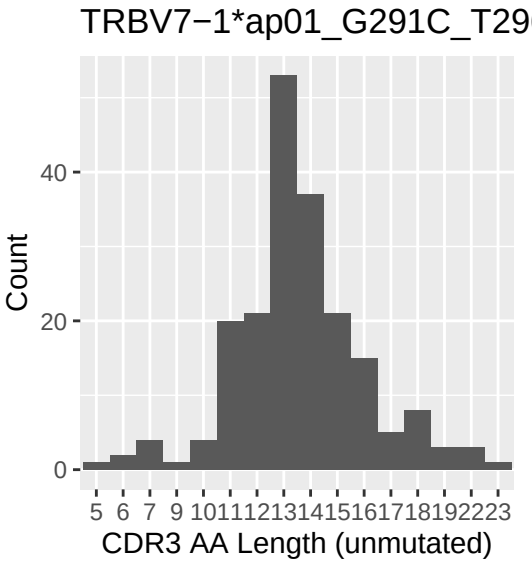
750 sequences assigned
427 (56.9%) exact matches, in which:
417 unique CDR3
13 unique J

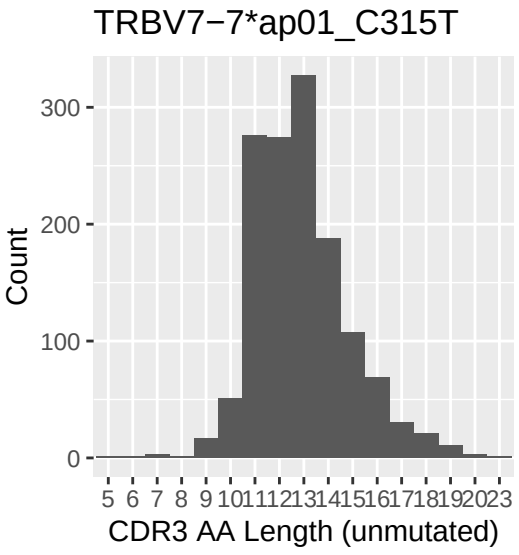


TRBV29−1*ap02

899 sequences assigned
889 (98.9%) exact matches, in which:
870 unique CDR3
13 unique J




TRBV7−1*ap01_G291C_T296C
Count
0
20
40
5 6 7 9 10 11 12 13 14 15 16 17 18 19 22 23
CDR3 AA Length (unmutated)


TRBV7−7*ap01_C315T
Count
0
100
200
300
5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 23
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.