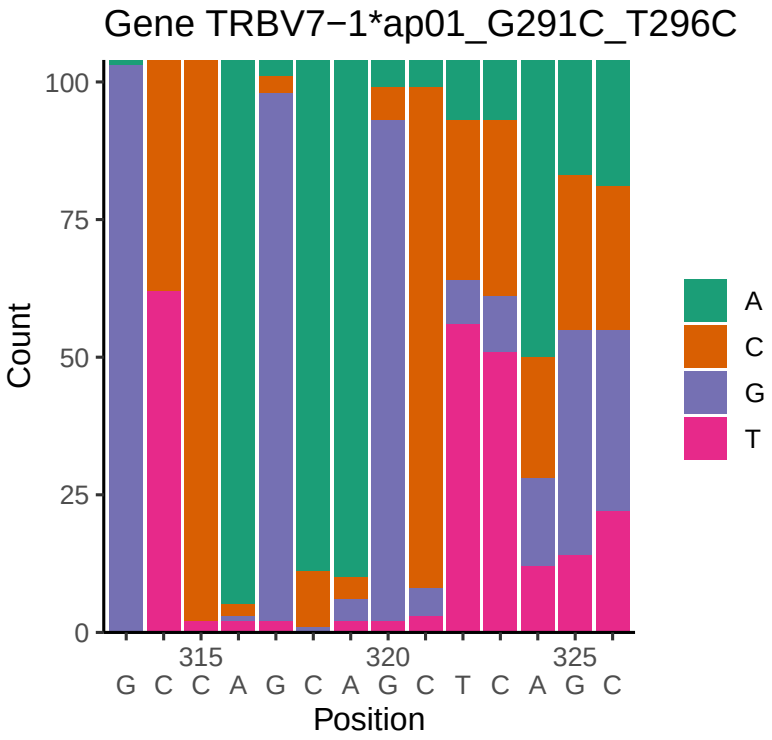
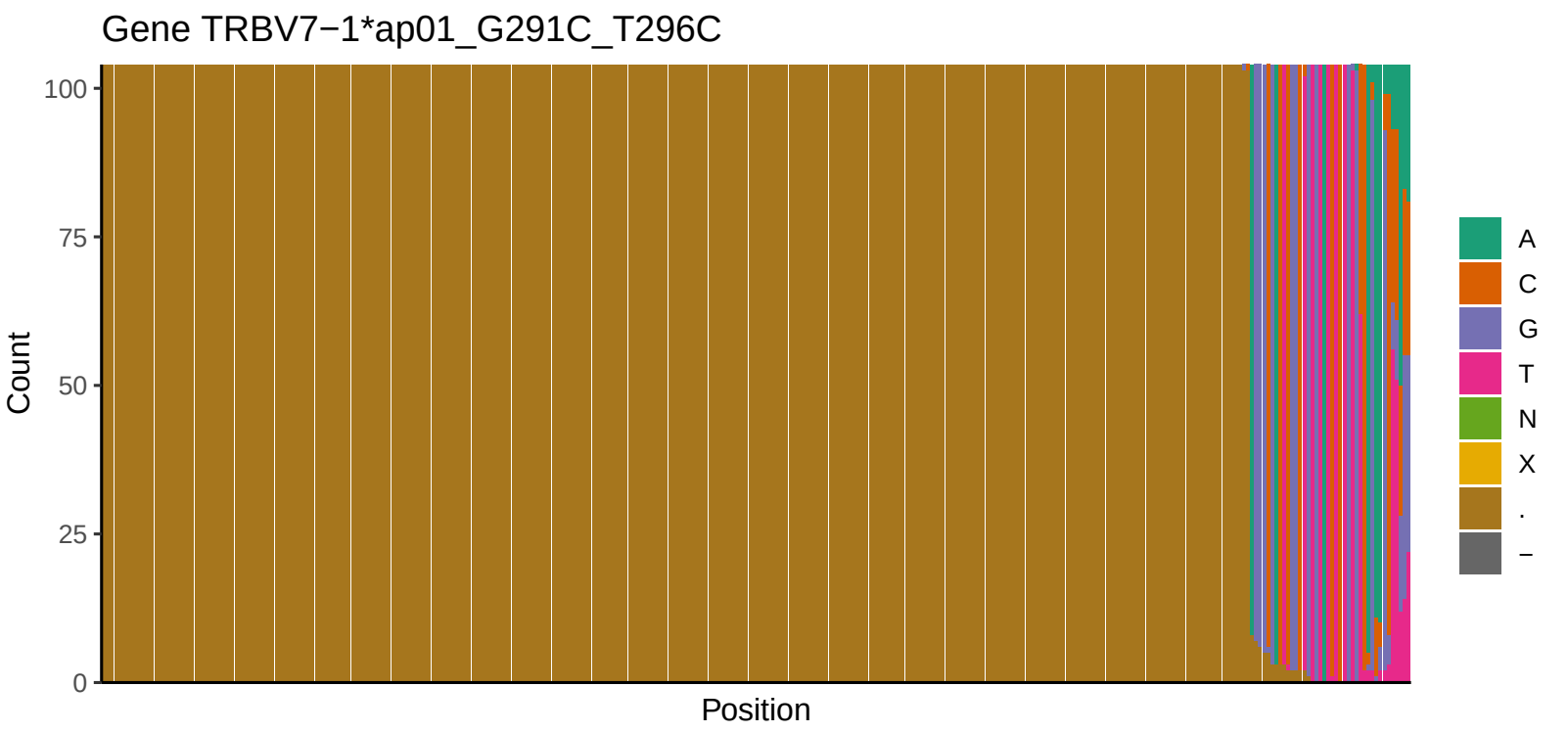
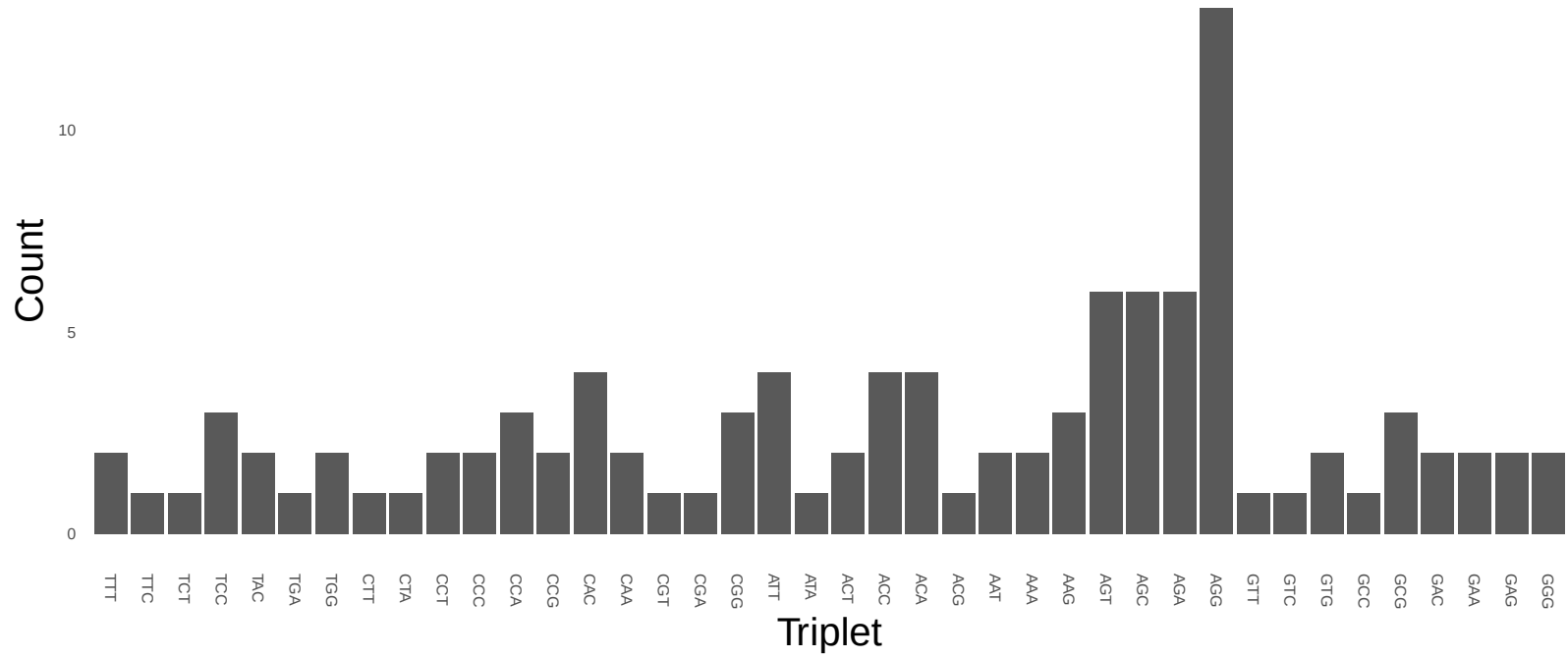

Gene TRBV7−1*ap01_G291C_T296C
Count
100
75
50
25
0
315
320
325
G C C A G C A G C T C A G C
Position
A
C
G
T

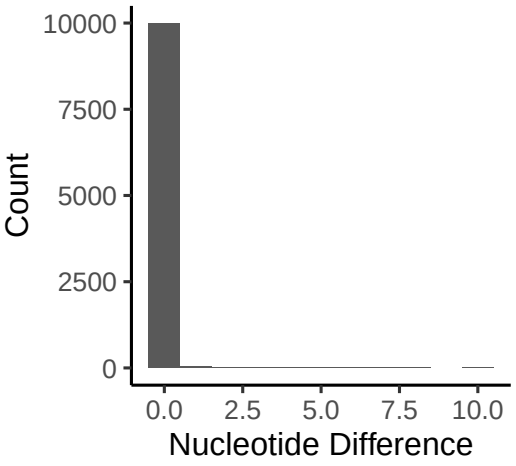

Gene TRBV7−1*ap01_G291C_T296C
Count
100
75
50
25
0
Position
A
C
G
T
N
X
.
–

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



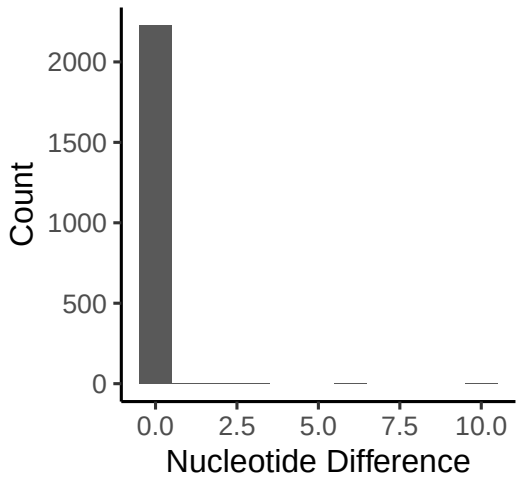
TRBV20−1*ap01

10045 sequences assigned
9997 (99.5%) exact matches, in which:
9980 unique CDR3
14 unique J



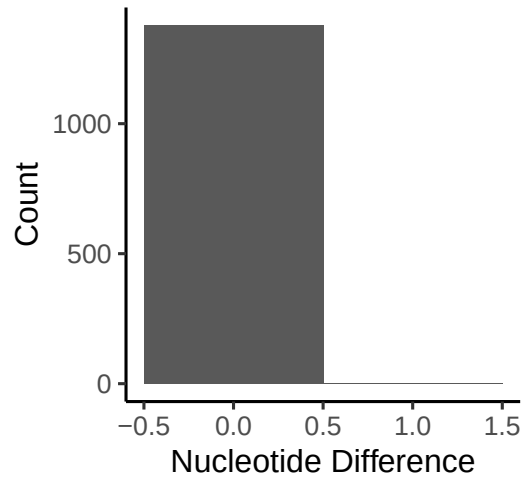
TRBV10−3*ap01

2236 sequences assigned
2227 (99.6%) exact matches, in which:
2227 unique CDR3
14 unique J



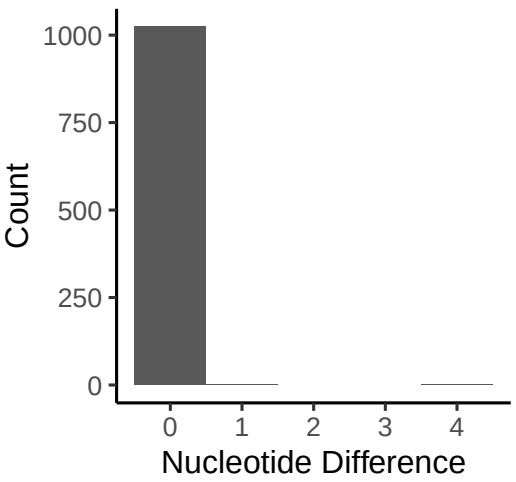
TRBV14*ap01

1379 sequences assigned
1378 (99.9%) exact matches, in which:
1377 unique CDR3
14 unique J



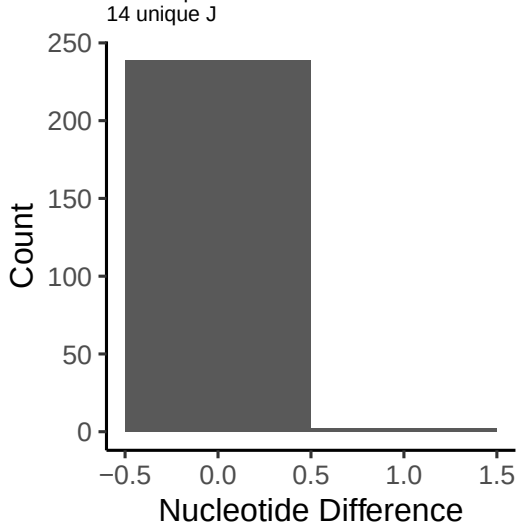
TRBV10−1*ap01

1027 sequences assigned
1024 (99.7%) exact matches, in which:
1024 unique CDR3
14 unique J



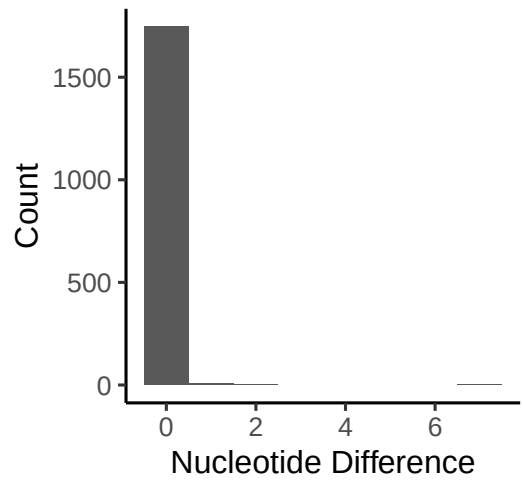
TRBV1*ap01

241 sequences assigned
239 (99.2%) exact matches, in which:
237 unique CDR3
14 unique J



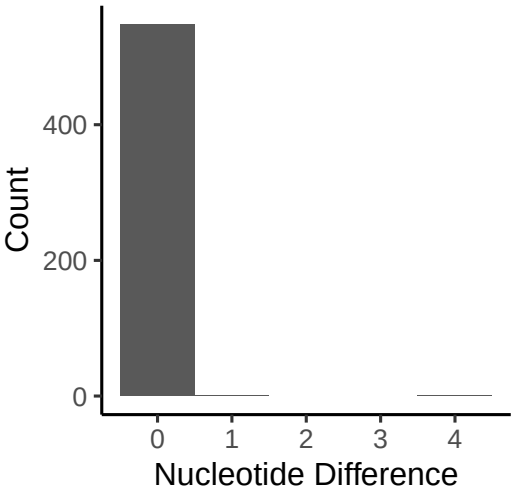
TRBV15*ap02

1754 sequences assigned
1746 (99.5%) exact matches, in which:
1740 unique CDR3
14 unique J



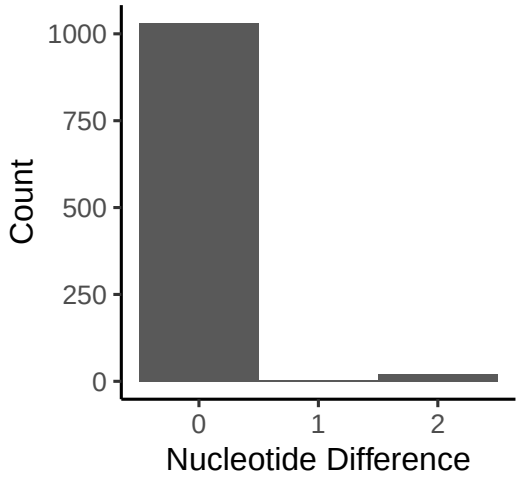
TRBV10−2*ap01

550 sequences assigned
548 (99.6%) exact matches, in which:
547 unique CDR3
14 unique J



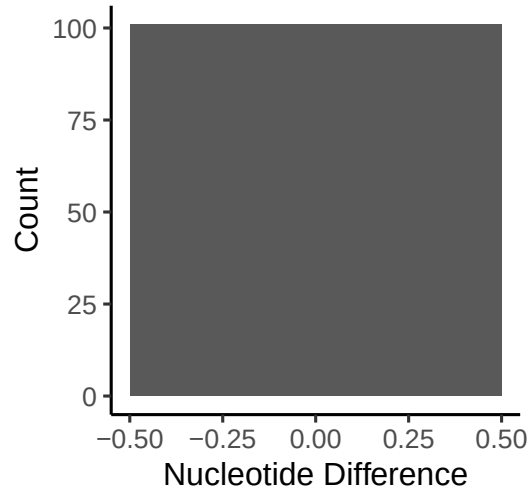
TRBV13*ap01

1055 sequences assigned
1031 (97.7%) exact matches, in which:
1026 unique CDR3
14 unique J



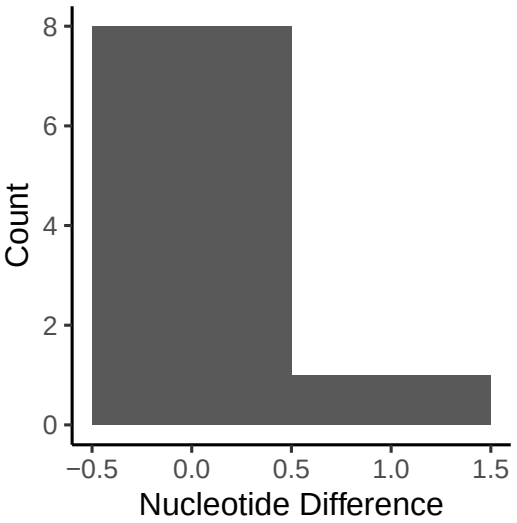
TRBV16*ap01

101 sequences assigned
101 (100%) exact matches, in which:
101 unique CDR3
14 unique J



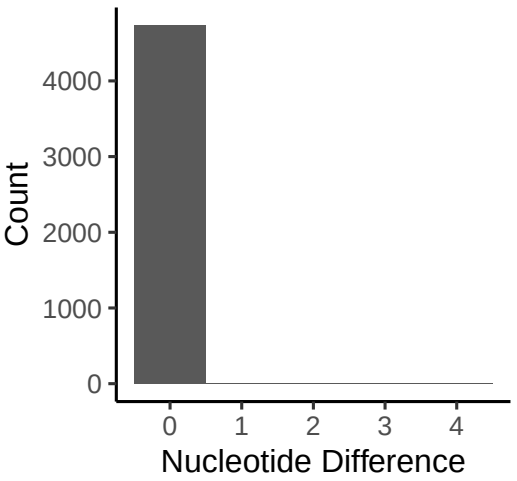
TRBV17*ap01

9 sequences assigned
8 (88.9%) exact matches, in which:
8 unique CDR3
5 unique J



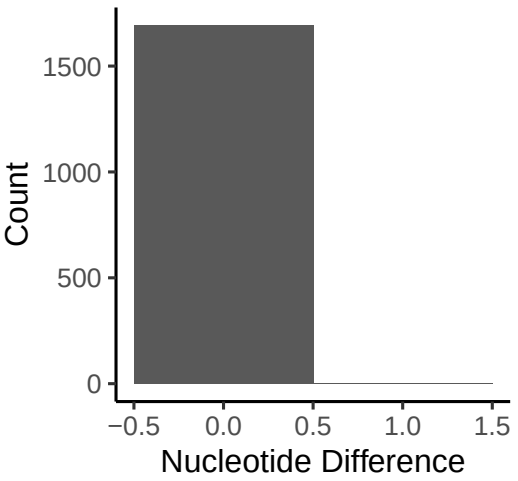
TRBV2*ap01

4750 sequences assigned
4733 (99.6%) exact matches, in which:
4720 unique CDR3
14 unique J



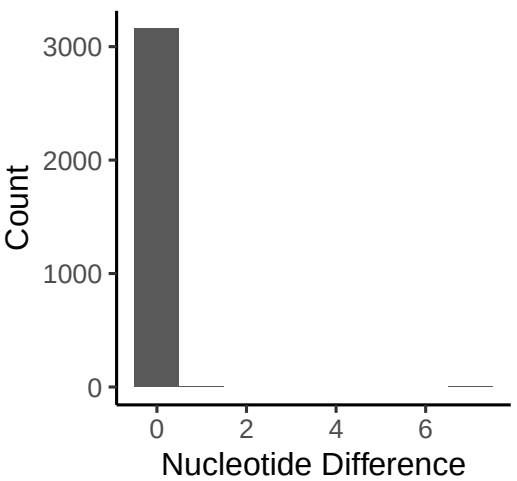
TRBV28*ap01

1695 sequences assigned
1692 (99.8%) exact matches, in which:
1691 unique CDR3
14 unique J



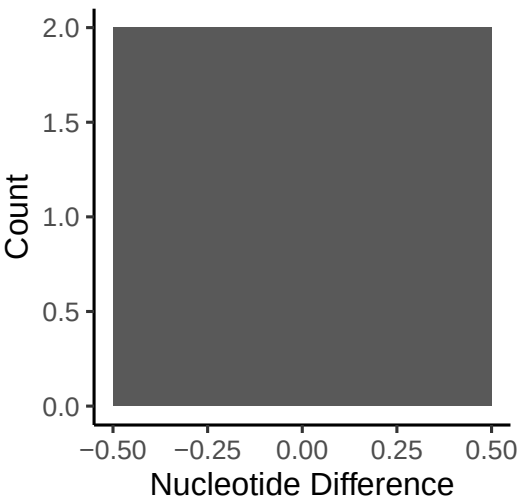
TRBV18*ap01

3163 sequences assigned
3158 (99.8%) exact matches, in which:
3155 unique CDR3
14 unique J



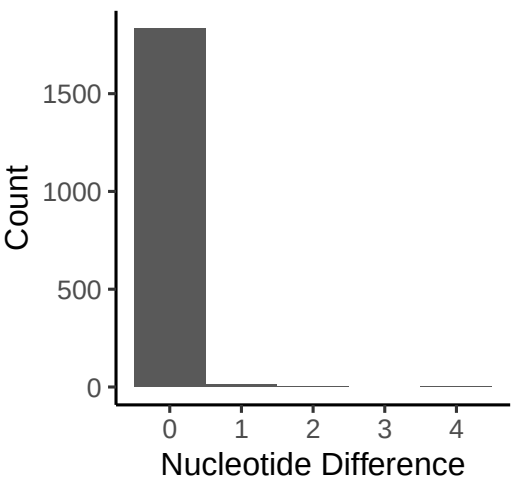
TRBV26*ap01

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



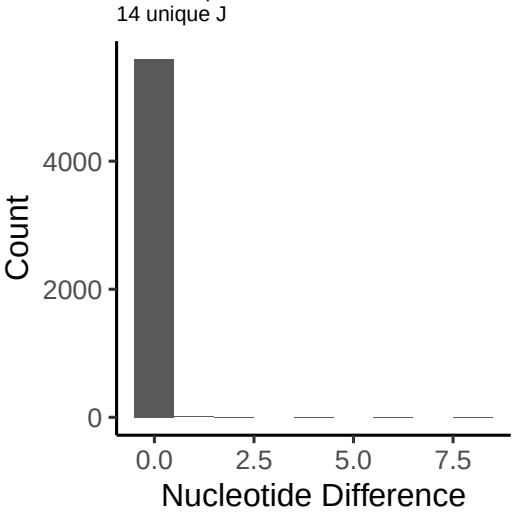
TRBV30*ap02

1848 sequences assigned
1832 (99.1%) exact matches, in which:
1828 unique CDR3
14 unique J



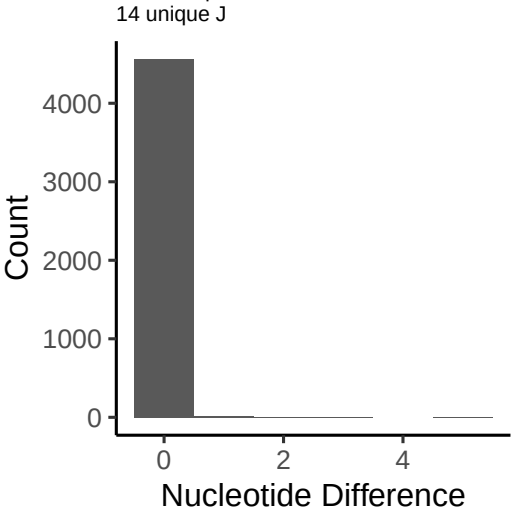
TRBV19*ap01

5615 sequences assigned
5595 (99.6%) exact matches, in which:
5594 unique CDR3
14 unique J



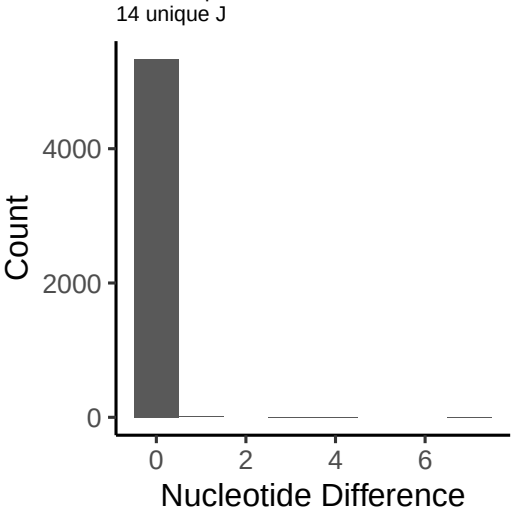
TRBV27*ap01

4585 sequences assigned
4563 (99.5%) exact matches, in which:
4546 unique CDR3
14 unique J



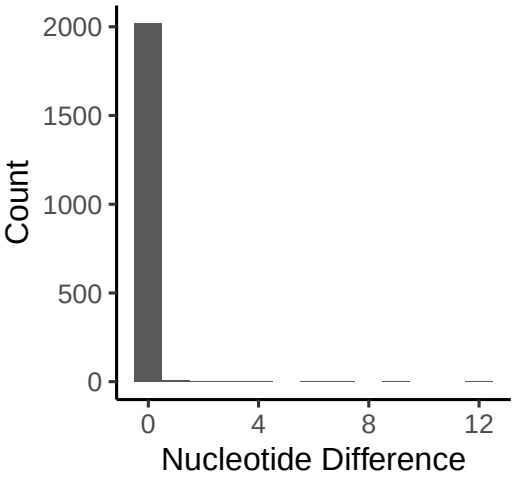
TRBV9*ap01

5348 sequences assigned
5335 (99.8%) exact matches, in which:
5324 unique CDR3
14 unique J



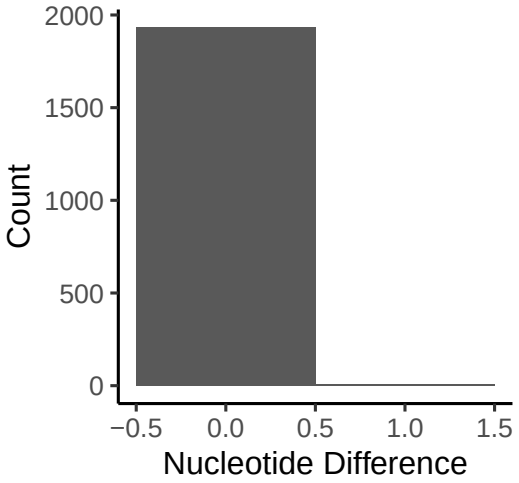
TRBV21−1*ap01

2044 sequences assigned
2019 (98.8%) exact matches, in which:
2017 unique CDR3
15 unique J



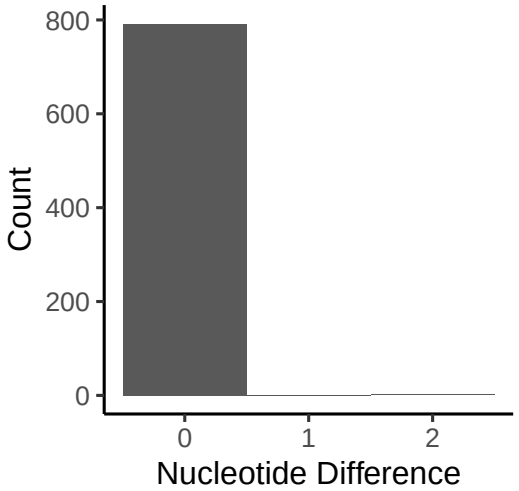
TRBV11−3*ap01

1939 sequences assigned
1933 (99.7%) exact matches, in which:
1932 unique CDR3
14 unique J



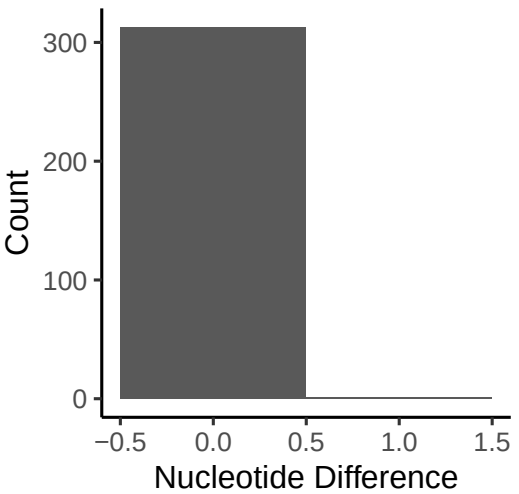
TRBV12−5*ap01

795 sequences assigned
792 (99.6%) exact matches, in which:
792 unique CDR3
14 unique J



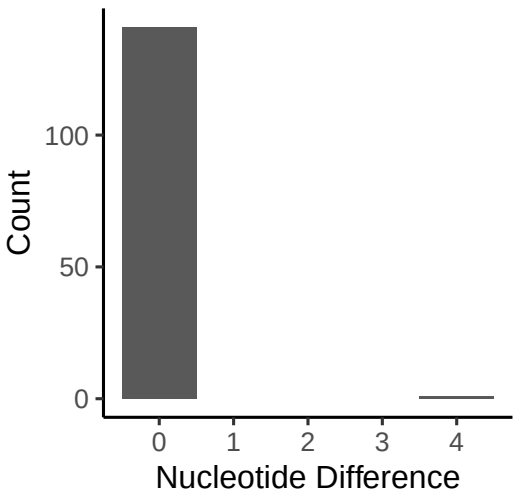
TRBV11−1*ap01

314 sequences assigned
313 (99.7%) exact matches, in which:
313 unique CDR3
14 unique J



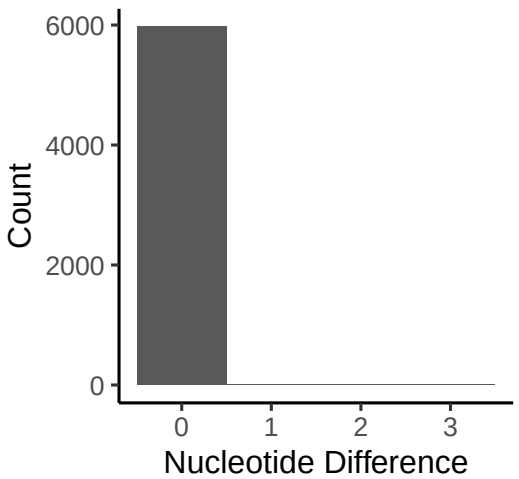
TRBV12−1*ap01

142 sequences assigned
141 (99.3%) exact matches, in which:
141 unique CDR3
14 unique J



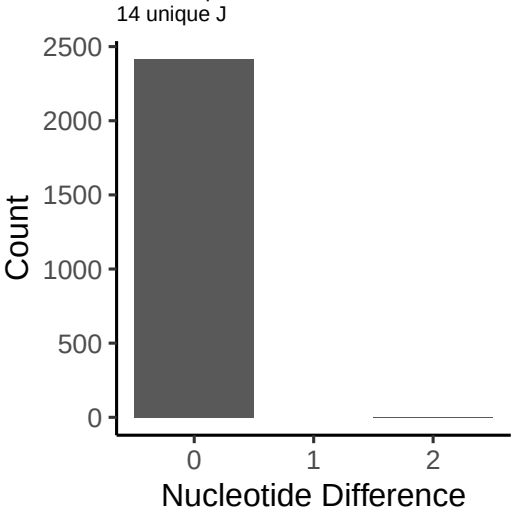
TRBV12−34*ap01

5986 sequences assigned
5972 (99.8%) exact matches, in which:
5966 unique CDR3
14 unique J



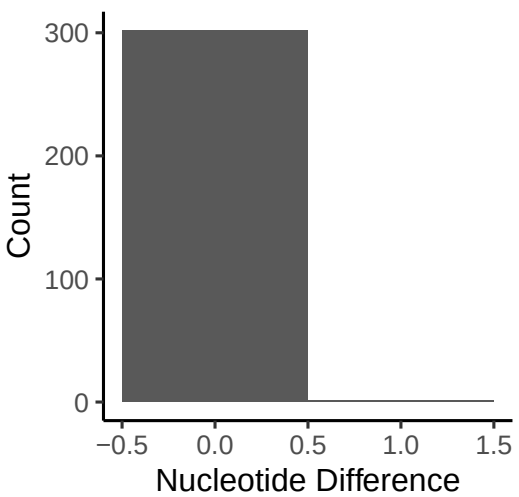
TRBV11−2*ap01

2417 sequences assigned
2416 (100%) exact matches, in which:
2413 unique CDR3
14 unique J



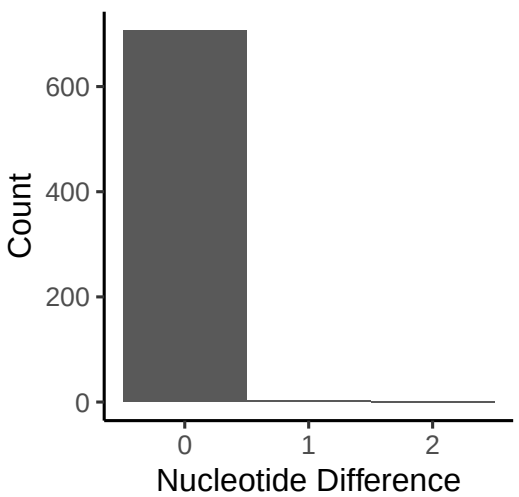
TRBV12−2*ap01

303 sequences assigned
302 (99.7%) exact matches, in which:
302 unique CDR3
14 unique J



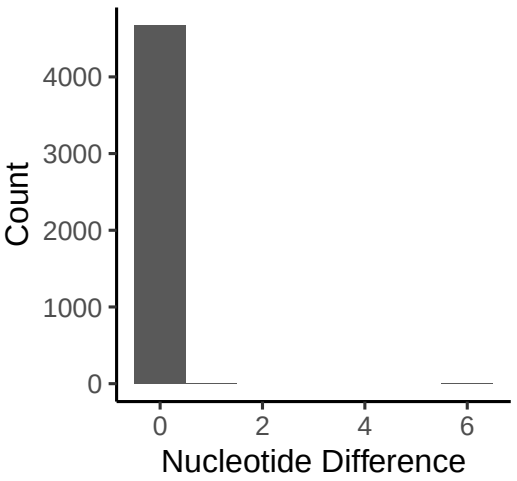
TRBV23−1*ap01

712 sequences assigned
707 (99.3%) exact matches, in which:
706 unique CDR3
14 unique J



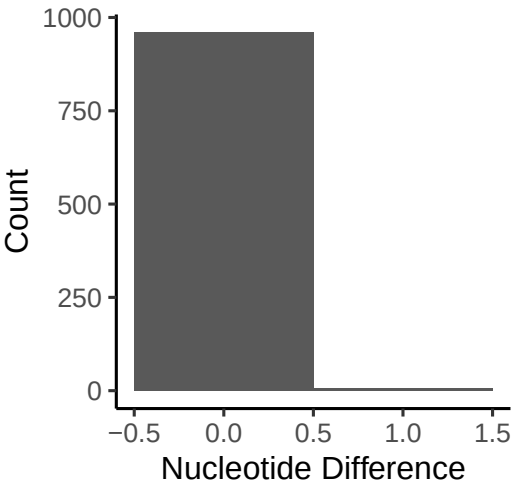
TRBV3−12*ap01

4685 sequences assigned
4671 (99.7%) exact matches, in which:
4659 unique CDR3
14 unique J



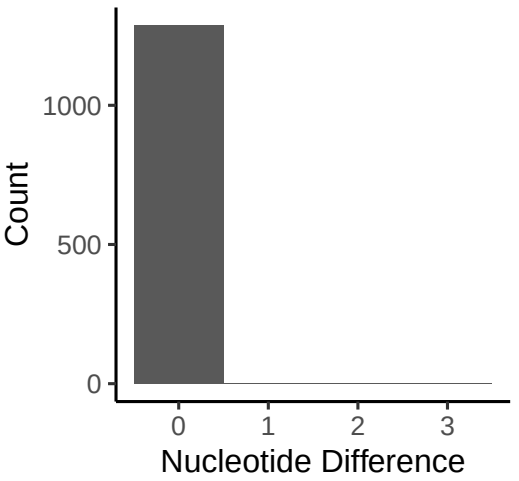
TRBV4−2*ap01

967 sequences assigned
960 (99.3%) exact matches, in which:
959 unique CDR3
14 unique J



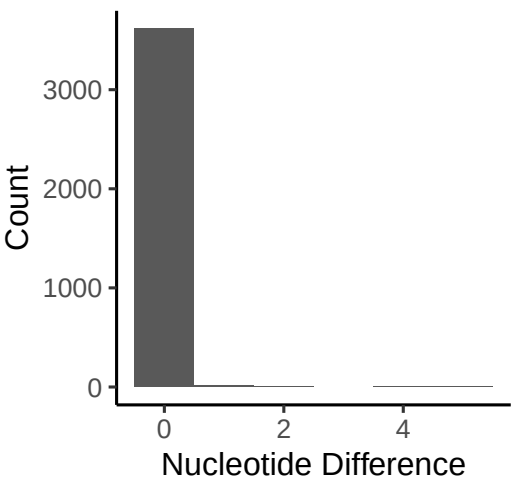
TRBV25−1*ap01

1292 sequences assigned
1287 (99.6%) exact matches, in which:
1286 unique CDR3
14 unique J



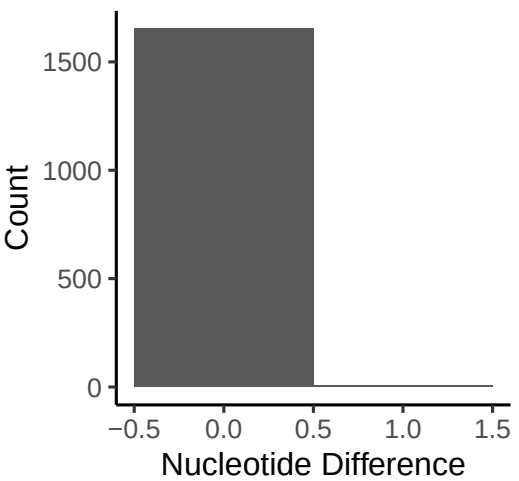
TRBV24−1*ap01

3633 sequences assigned
3615 (99.5%) exact matches, in which:
3609 unique CDR3
14 unique J



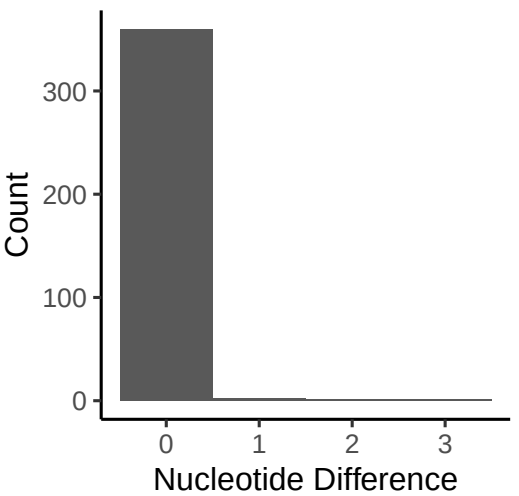
TRBV4−3*ap01

1659 sequences assigned
1653 (99.6%) exact matches, in which:
1653 unique CDR3
13 unique J



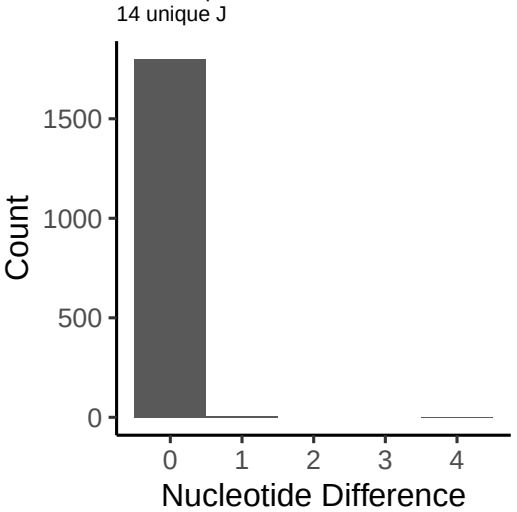
TRBV5−3*ap01

364 sequences assigned
360 (98.9%) exact matches, in which:
360 unique CDR3
14 unique J



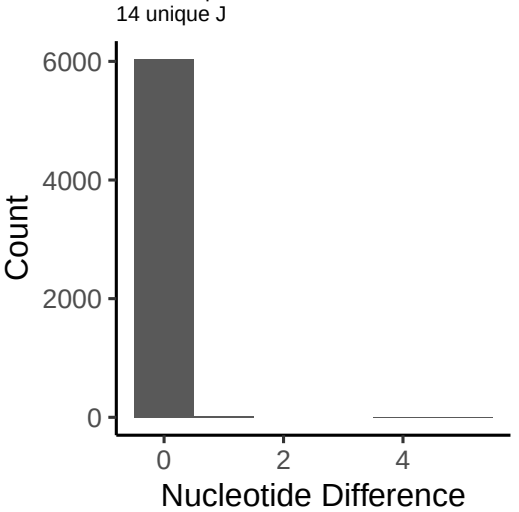
TRBV4−1*ap01

1807 sequences assigned
1800 (99.6%) exact matches, in which:
1800 unique CDR3
14 unique J



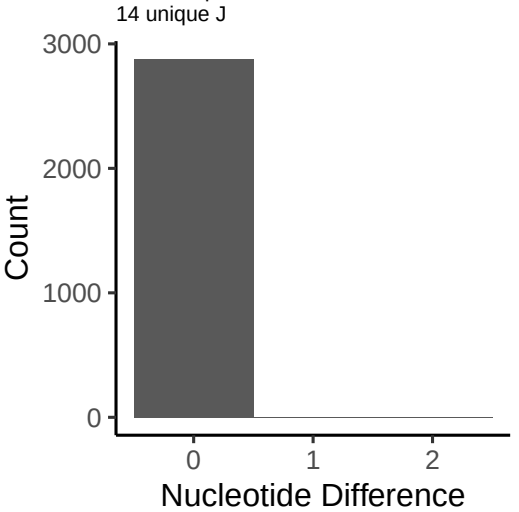
TRBV5−1*ap01

6066 sequences assigned
6039 (99.6%) exact matches, in which:
6018 unique CDR3
14 unique J



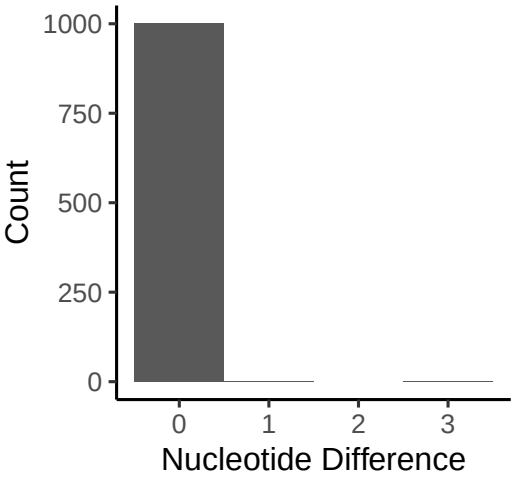
TRBV5−4*ap01

2883 sequences assigned
2878 (99.8%) exact matches, in which:
2877 unique CDR3
14 unique J



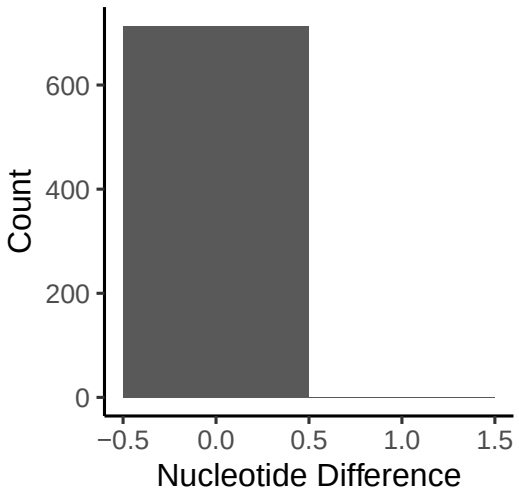
TRBV5−5*ap01

1004 sequences assigned
1001 (99.7%) exact matches, in which:
1000 unique CDR3
14 unique J



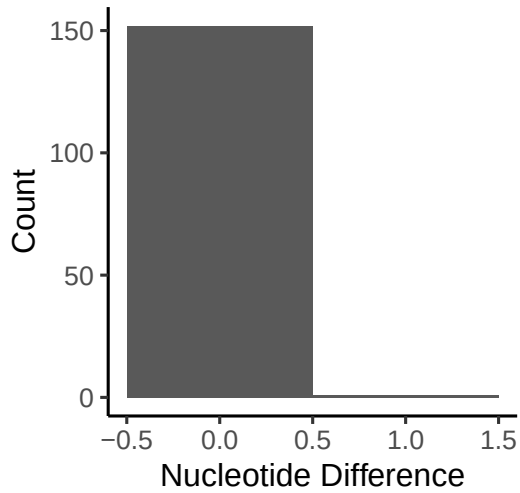
TRBV5−8*ap01

715 sequences assigned
714 (99.9%) exact matches, in which:
714 unique CDR3
14 unique J



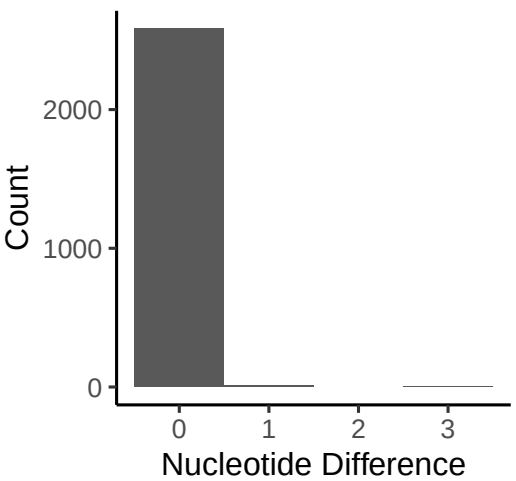
TRBV6−7*ap01

153 sequences assigned
152 (99.3%) exact matches, in which:
152 unique CDR3
13 unique J



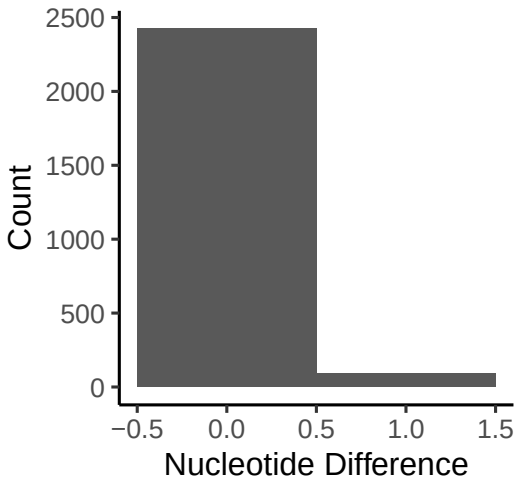
TRBV5−6*ap01

2593 sequences assigned
2583 (99.6%) exact matches, in which:
2574 unique CDR3
14 unique J



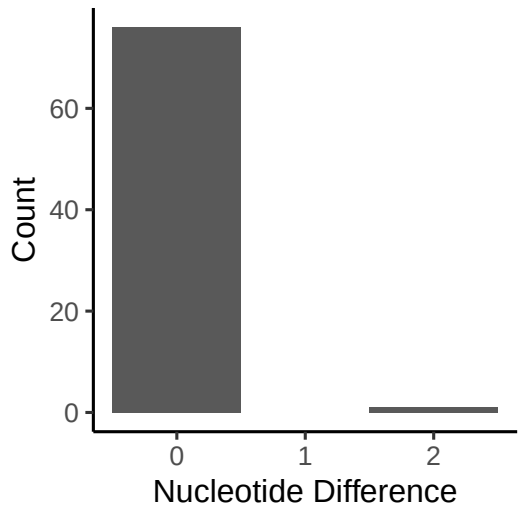
TRBV6−1*ap01

2512 sequences assigned
2424 (96.5%) exact matches, in which:
2419 unique CDR3
14 unique J



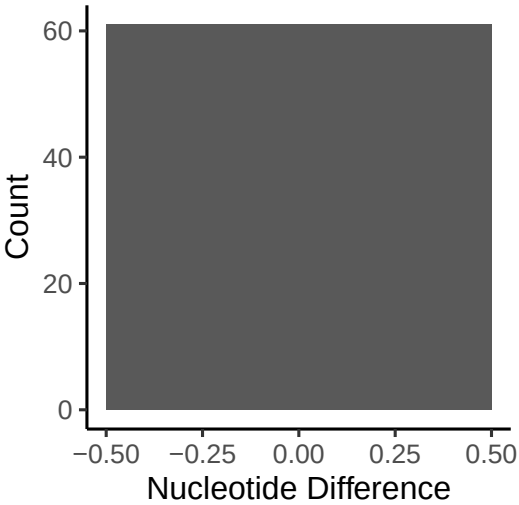
TRBV6−8*ap01

77 sequences assigned
76 (98.7%) exact matches, in which:
76 unique CDR3
14 unique J



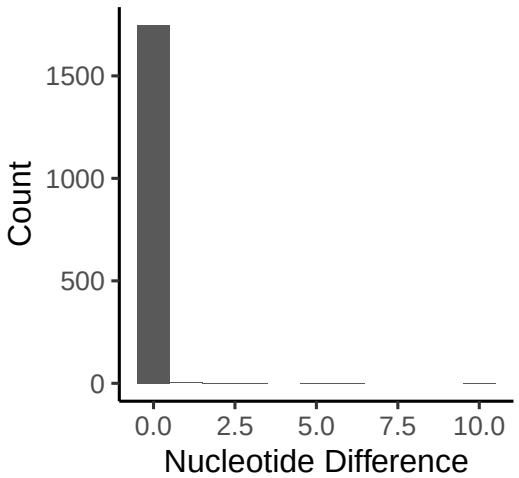
TRBV5−7*ap01

61 sequences assigned
61 (100%) exact matches, in which:
61 unique CDR3
14 unique J



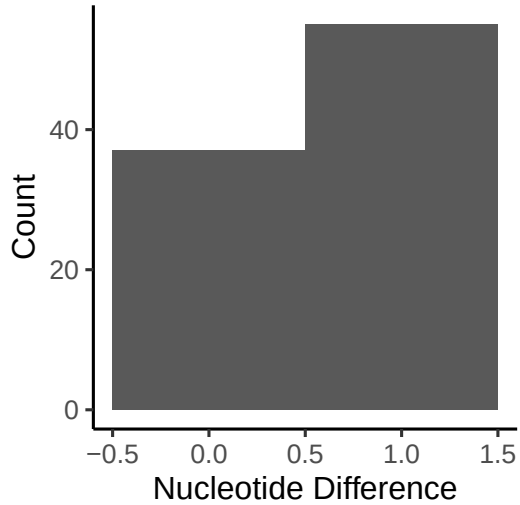
TRBV6−4*ap01

1760 sequences assigned
1748 (99.3%) exact matches, in which:
1747 unique CDR3
14 unique J



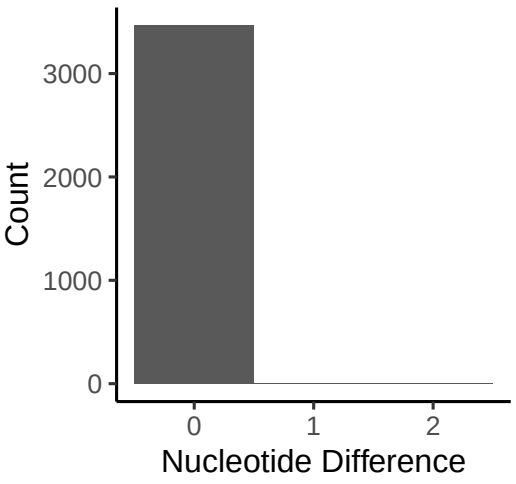
TRBV6−9*ap01

92 sequences assigned
37 (40.2%) exact matches, in which:
37 unique CDR3
11 unique J



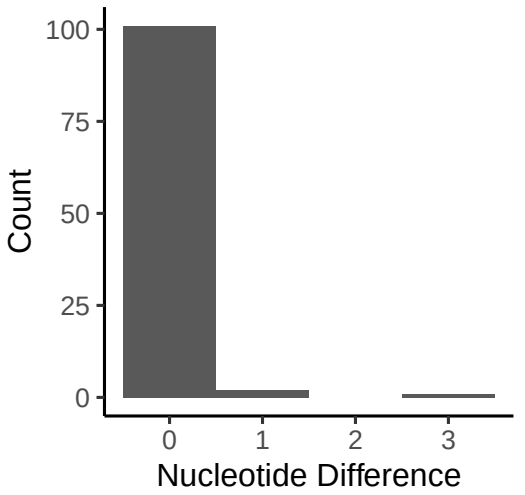
TRBV6−23*ap01

3475 sequences assigned
3466 (99.7%) exact matches, in which:
3456 unique CDR3
14 unique J



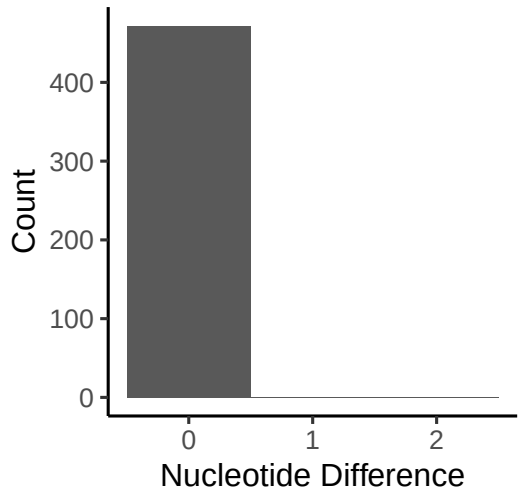
TRBV7−1*ap01_G291C_

104 sequences assigned
101 (97.1%) exact matches, in which:
101 unique CDR3
13 unique J



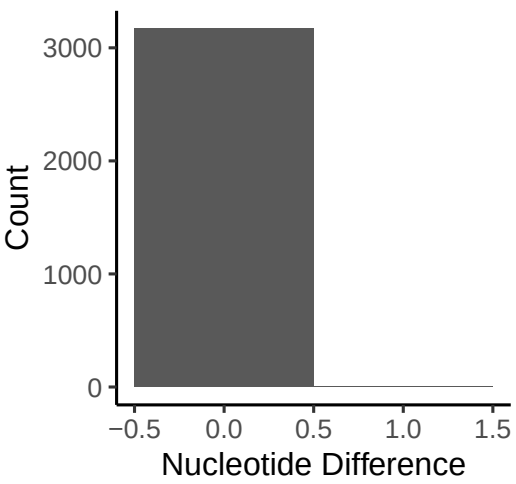
TRBV7−3*ap02

474 sequences assigned
472 (99.6%) exact matches, in which:
472 unique CDR3
12 unique J



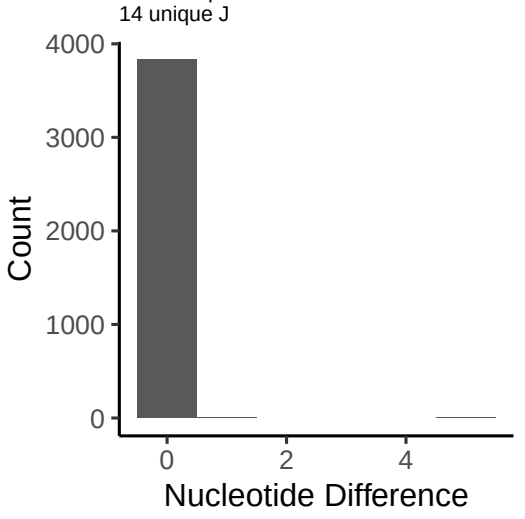
TRBV6−56*ap01

3177 sequences assigned
3169 (99.7%) exact matches, in which:
3164 unique CDR3
14 unique J



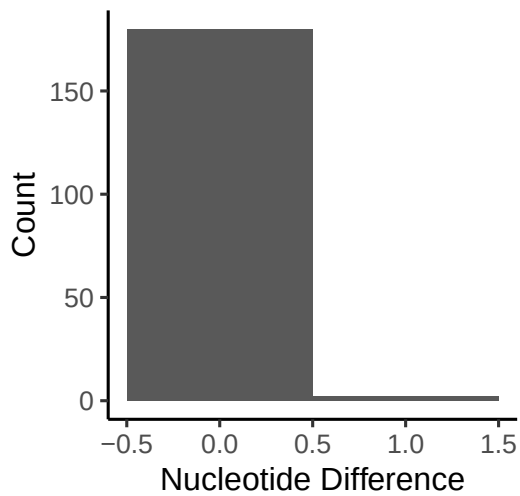
TRBV7−2*ap01

3835 sequences assigned
3830 (99.9%) exact matches, in which:
3828 unique CDR3
14 unique J



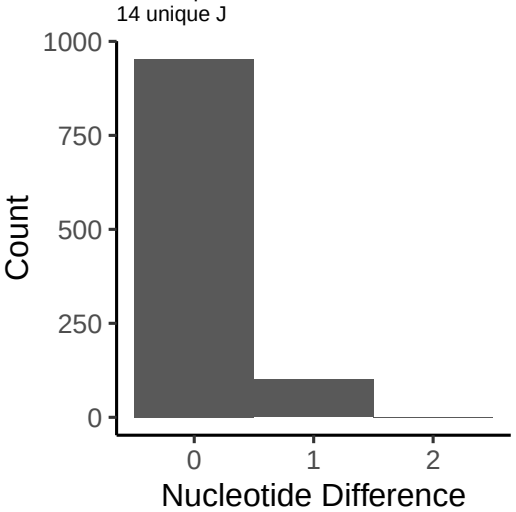
TRBV7−4*ap01

182 sequences assigned
180 (98.9%) exact matches, in which:
179 unique CDR3
14 unique J



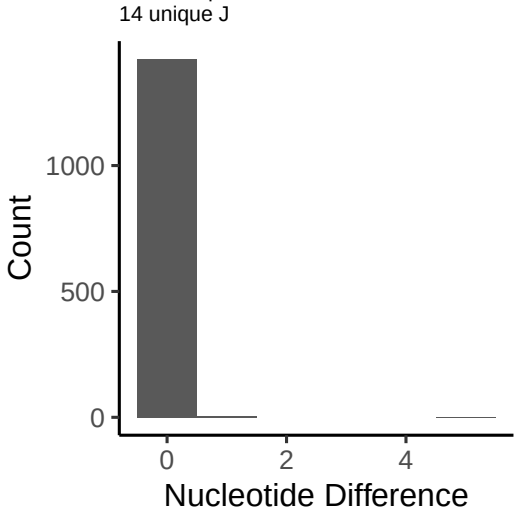
TRBV6−56*ap02

1055 sequences assigned
953 (90.3%) exact matches, in which:
949 unique CDR3
14 unique J



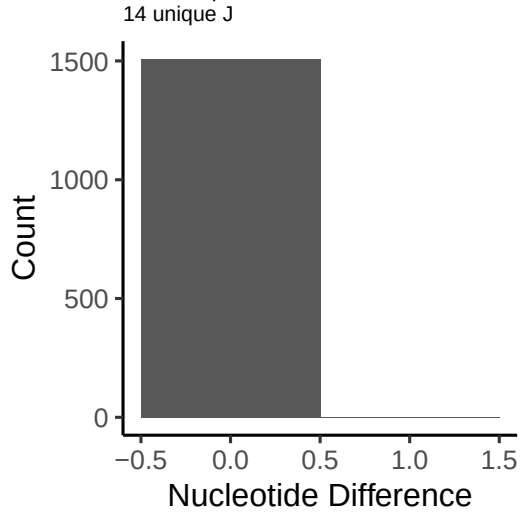
TRBV7−3*ap01

1428 sequences assigned
1423 (99.6%) exact matches, in which:
1422 unique CDR3
14 unique J



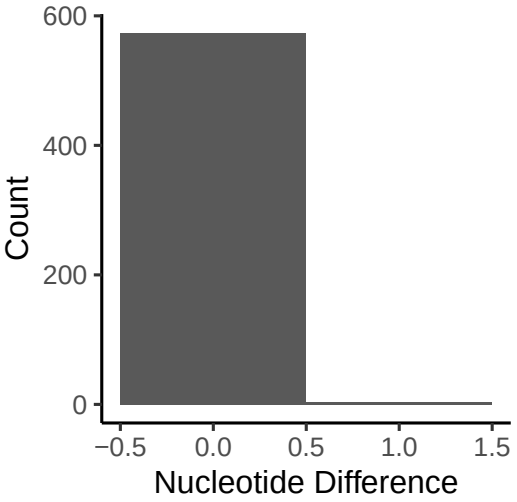
TRBV7−6*ap01

1509 sequences assigned
1508 (99.9%) exact matches, in which:
1505 unique CDR3
14 unique J



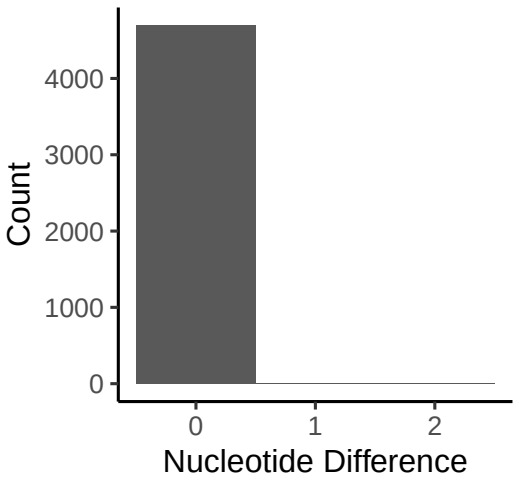
TRBV7−7*ap01

578 sequences assigned
574 (99.3%) exact matches, in which:
572 unique CDR3
14 unique J



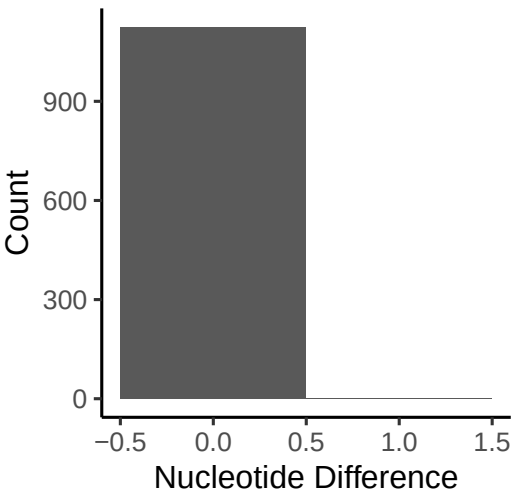
TRBV7−9*ap01

4703 sequences assigned
4695 (99.8%) exact matches, in which:
4694 unique CDR3
14 unique J



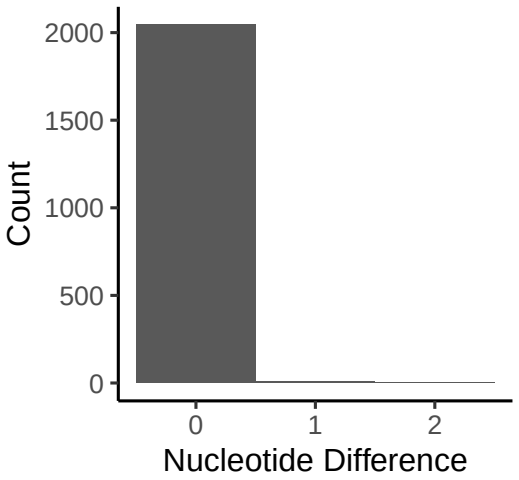
TRBV7−8*ap01

1127 sequences assigned
1125 (99.8%) exact matches, in which:
1125 unique CDR3
14 unique J



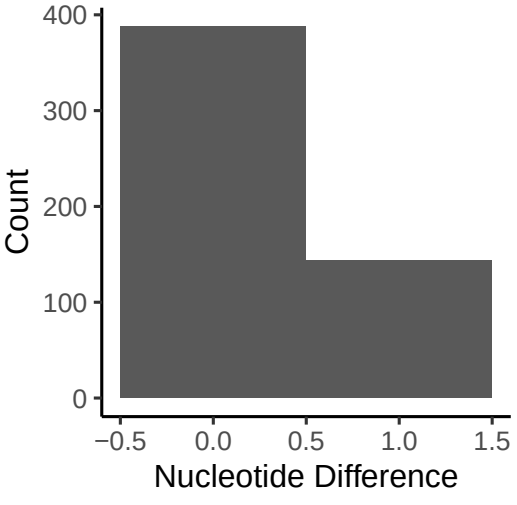
TRBV29−1*ap01

2054 sequences assigned
2045 (99.6%) exact matches, in which:
2042 unique CDR3
14 unique J



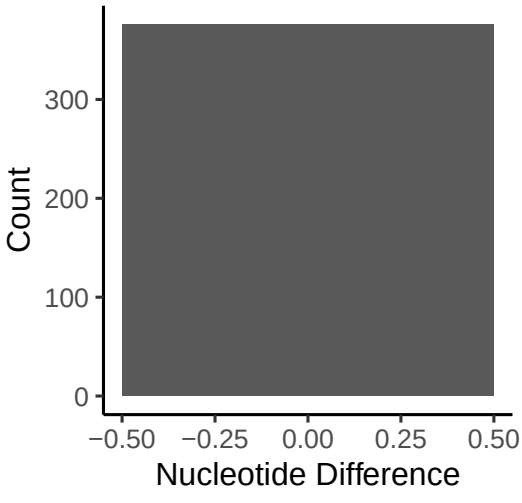
TRBV7−8*ap03

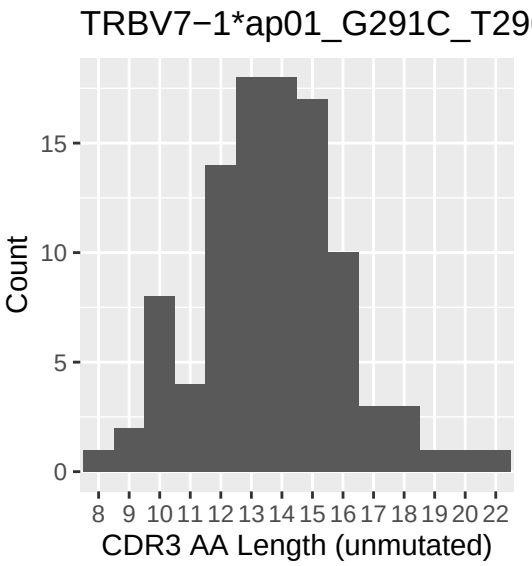
532 sequences assigned
388 (72.9%) exact matches, in which:
388 unique CDR3
14 unique J

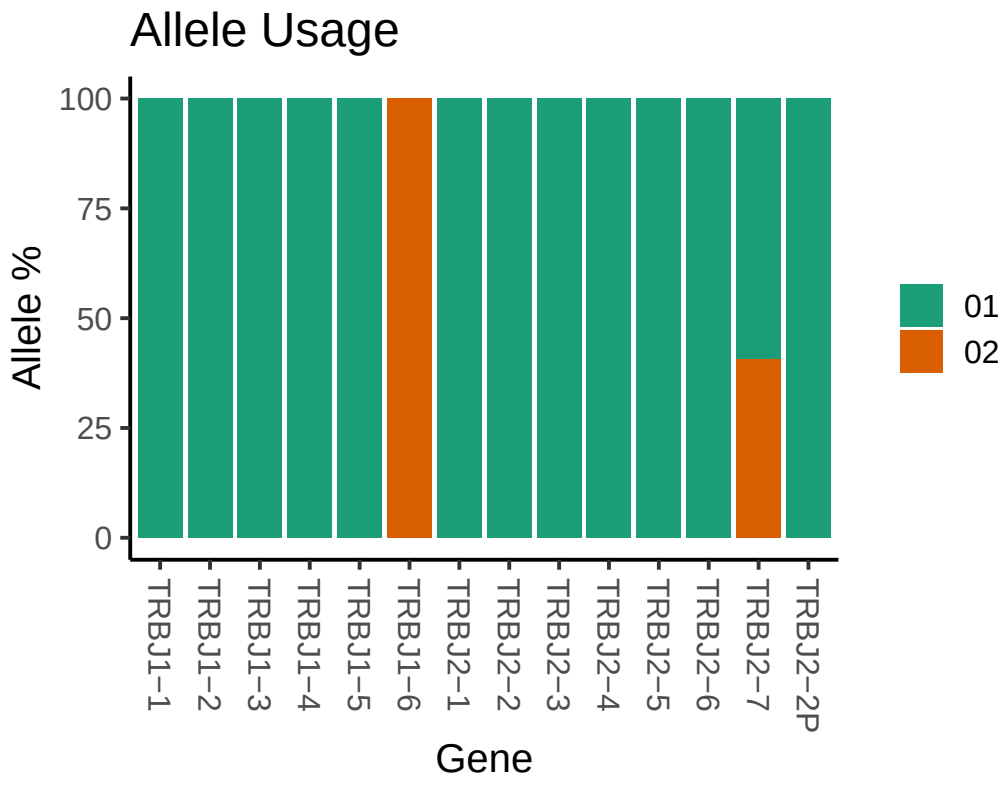


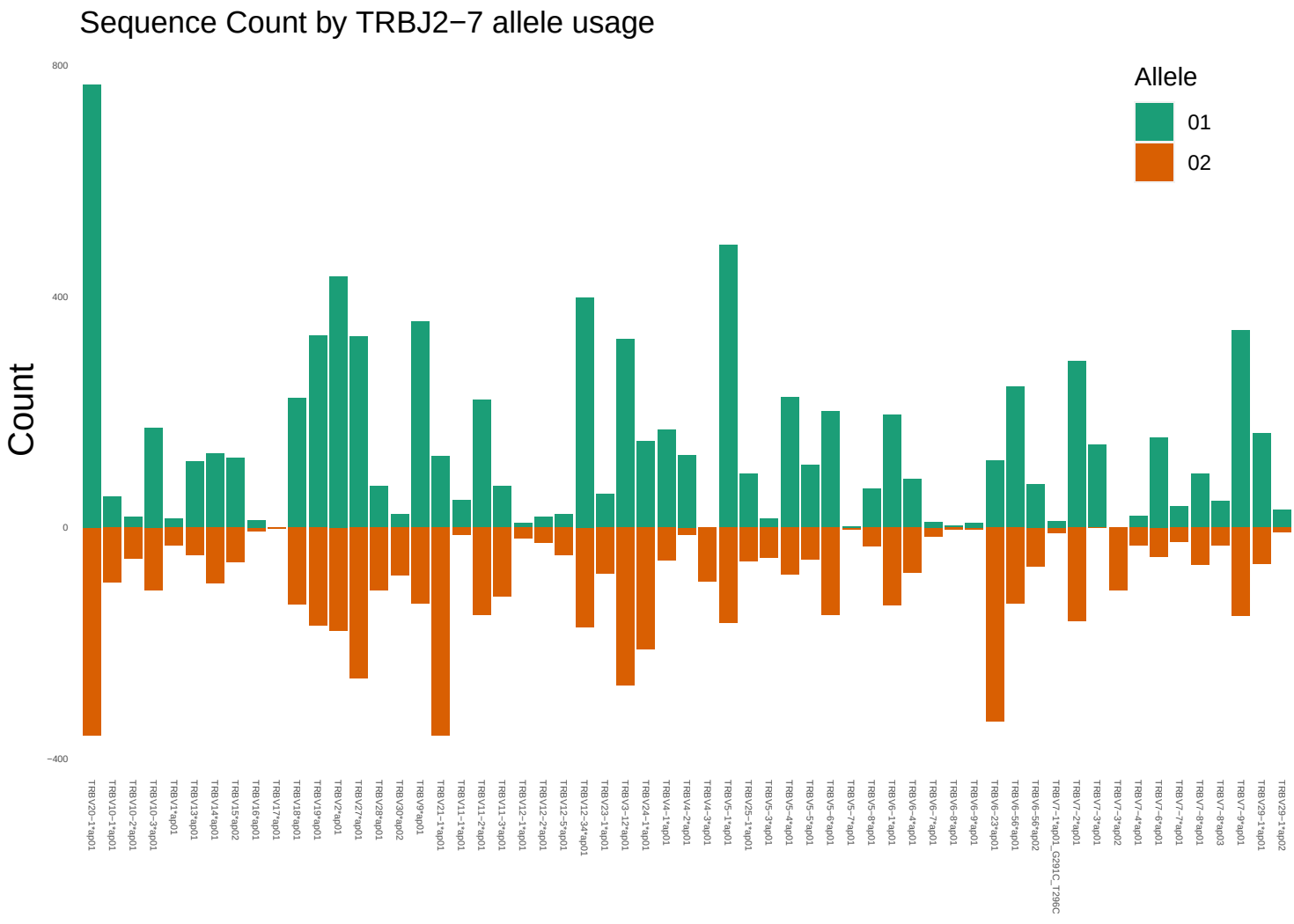
TRBV29−1*ap02

376 sequences assigned
376 (100%) exact matches, in which:
376 unique CDR3
14 unique J




TRBV7−1*ap01_G291C_T296C
Count
0
5
10
15
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
TRBJ2−2P
Gene
01
02


Sequence Count by TRBJ2−7 allele usage
Count
800
400
0
−400
Allele
01
02
TRBV20−1*ap01
TRBV10−1*ap01
TRBV10−2*ap01
TRBV10−3*ap01
TRBV1*ap01
TRBV13*ap01
TRBV14*ap01
TRBV15*ap02
TRBV16*ap01
TRBV17*ap01
TRBV18*ap01
TRBV19*ap01
TRBV2*ap01
TRBV27*ap01
TRBV28*ap01
TRBV30*ap02
TRBV9*ap01
TRBV21−1*ap01
TRBV11−1*ap01
TRBV11−2*ap01
TRBV11−3*ap01
TRBV12−1*ap01
TRBV12−2*ap01
TRBV12−5*ap01
TRBV12−34*ap01
TRBV23−1*ap01
TRBV3−12*ap01
TRBV24−1*ap01
TRBV4−1*ap01
TRBV4−2*ap01
TRBV4−3*ap01
TRBV5−1*ap01
TRBV25−1*ap01
TRBV5−3*ap01
TRBV5−4*ap01
TRBV5−5*ap01
TRBV5−6*ap01
TRBV5−7*ap01
TRBV5−8*ap01
TRBV6−1*ap01
TRBV6−4*ap01
TRBV6−7*ap01
TRBV6−8*ap01
TRBV6−9*ap01
TRBV6−23*ap01
TRBV6−56*ap01
TRBV6−56*ap02
TRBV7−1*ap01_G291C_T296C
TRBV7−2*ap01
TRBV7−3*ap01
TRBV7−3*ap02
TRBV7−4*ap01
TRBV7−6*ap01
TRBV7−7*ap01
TRBV7−8*ap01
TRBV7−8*ap03
TRBV7−9*ap01
TRBV29−1*ap01
TRBV29−1*ap02

Warning − no inferred sequences found.

Warning − no inferred sequences found.

Warning − no inferred sequences found.