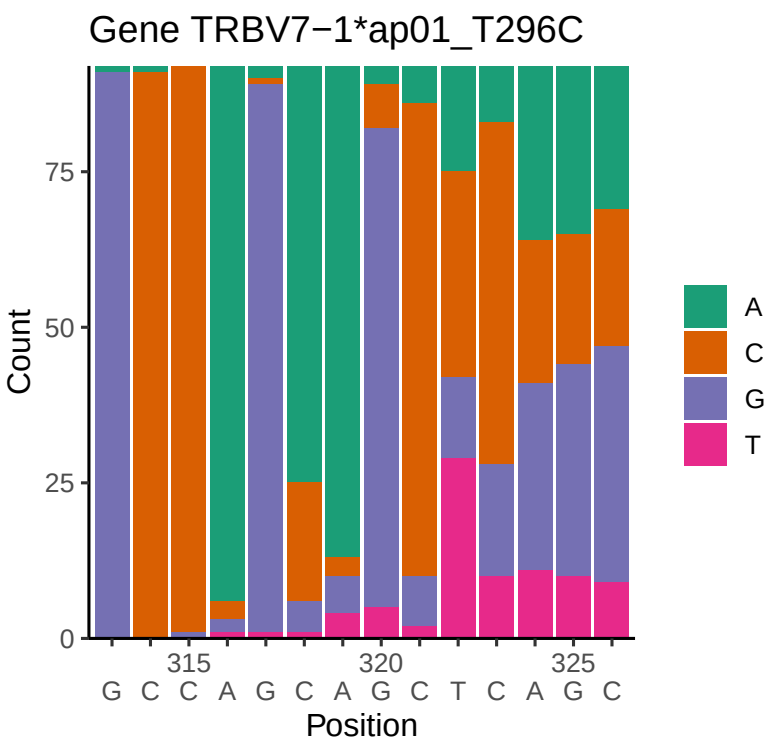
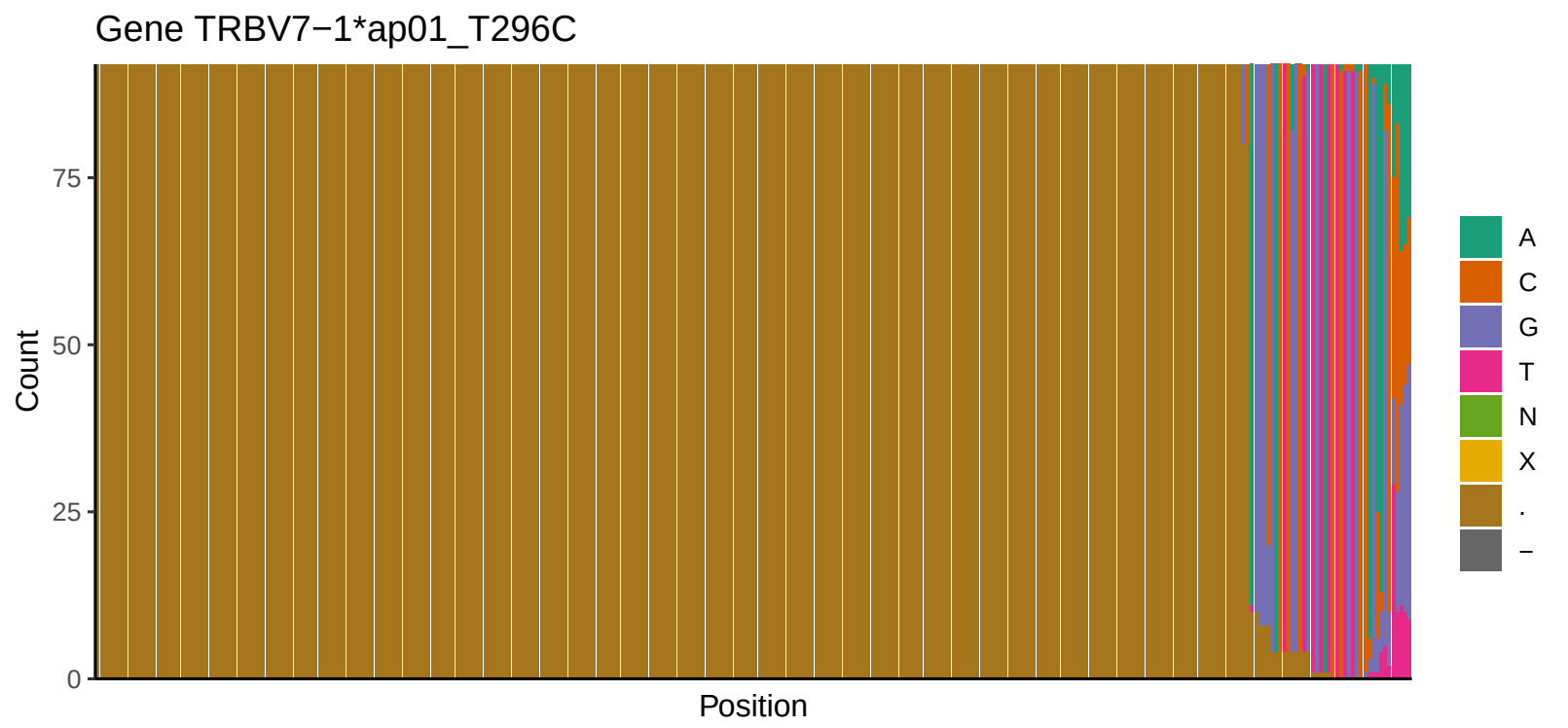
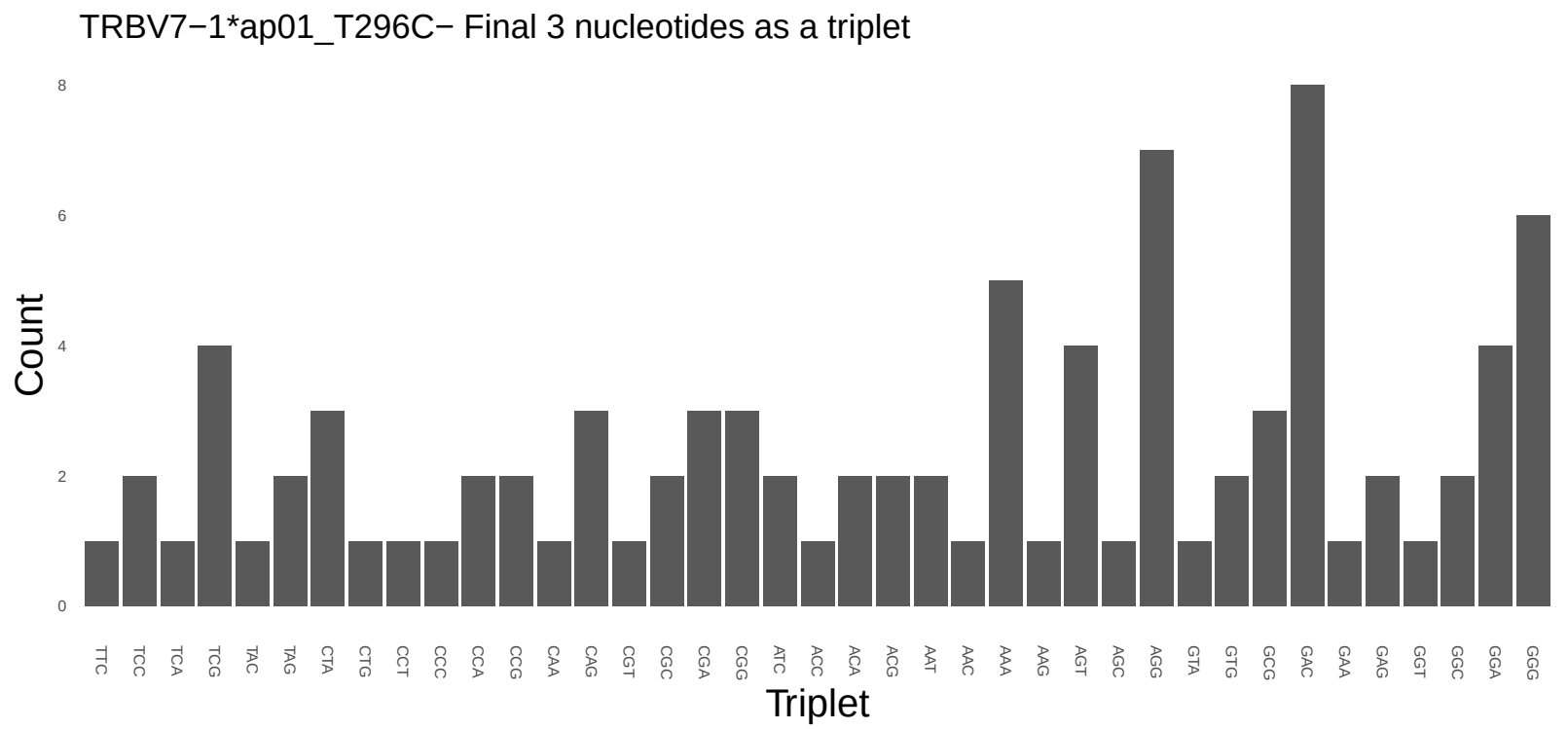
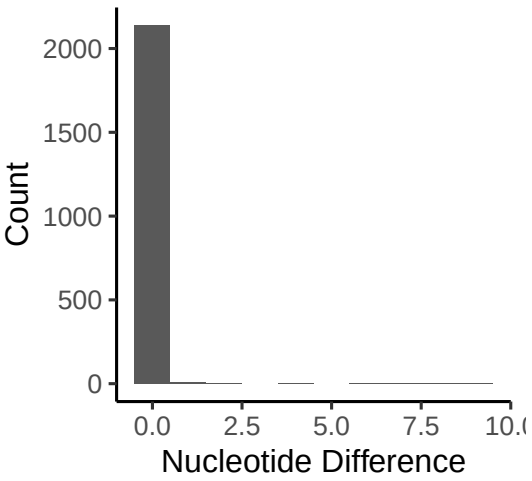

Gene TRBV7−1*ap01_T296C
Count
75
50
25
0
315
320
325
G C C A G C A G C T C A G C
Position
A
C
G
T


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


TRBV7−1*ap01_T296C− Final 3 nucleotides as a triplet
Count
0
2
4
6
8
TTC
TCC
TCA
TCG
TAC
TAG
CTA
CTG
CCT
CCC
CCA
CCG
CAA
CAG
CGT
CGC
CGA
CGG
ATC
ACC
ACA
ACG
AAT
AAC
AAA
AAG
AGT
AGC
AGG
GTA
GTG
GCG
GAC
GAA
GAG
GGT
GGC
GGA
GGG
Triplet

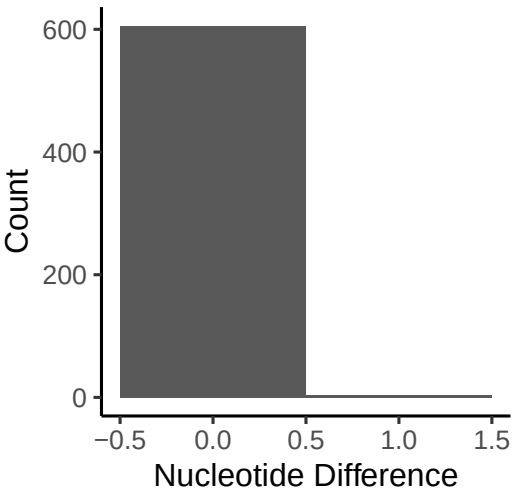
TRBV10−1*ap01

2157 sequences assigned
2138 (99.1%) exact matches, in which:
2125 unique CDR3
13 unique J



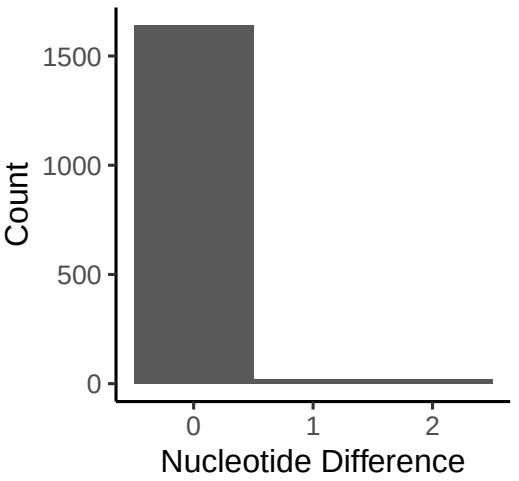
TRBV10−2*ap01

610 sequences assigned
606 (99.3%) exact matches, in which:
603 unique CDR3
13 unique J



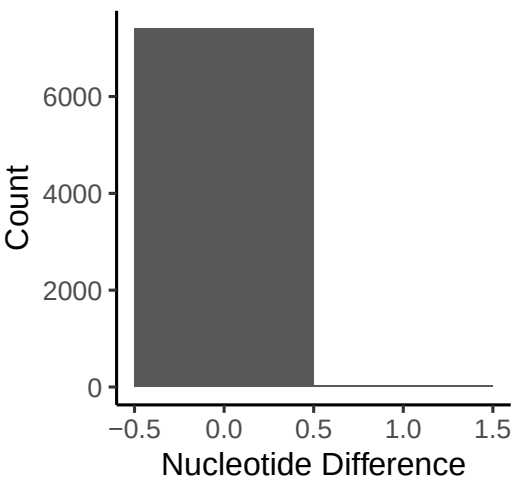
TRBV13*ap01

1682 sequences assigned
1640 (97.5%) exact matches, in which:
1626 unique CDR3
13 unique J



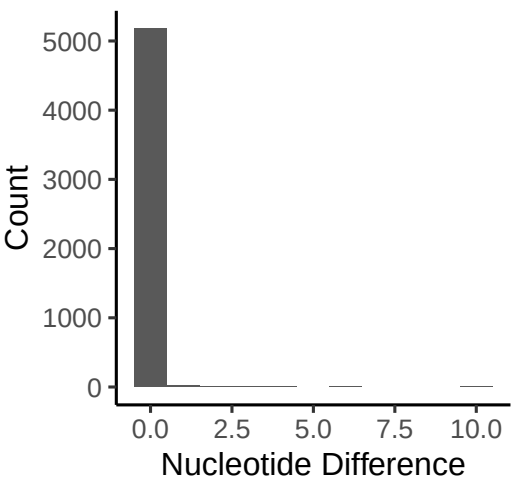
TRBV20−1*ap01

7429 sequences assigned
7401 (99.6%) exact matches, in which:
7364 unique CDR3
13 unique J



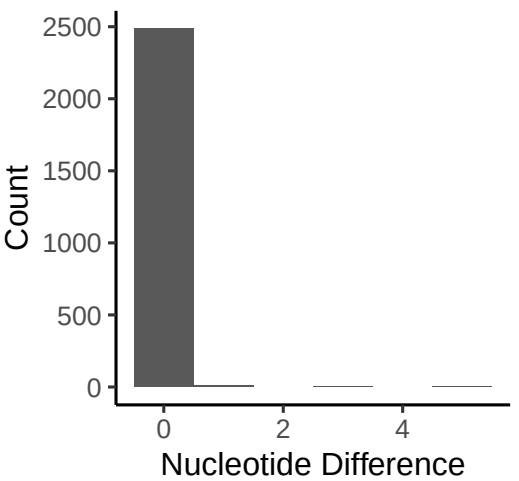
TRBV10−3*ap01

5212 sequences assigned
5177 (99.3%) exact matches, in which:
5149 unique CDR3
13 unique J



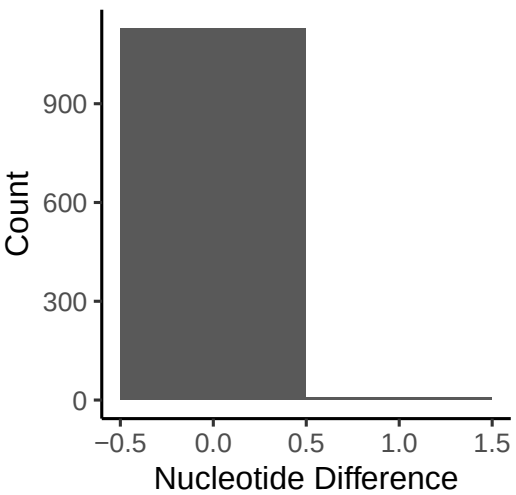
TRBV14*ap01

2499 sequences assigned
2486 (99.5%) exact matches, in which:
2475 unique CDR3
13 unique J



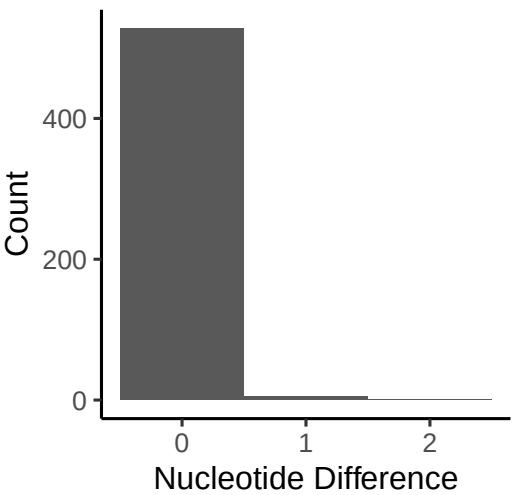
TRBV20−1*ap02

1136 sequences assigned
1129 (99.4%) exact matches, in which:
1121 unique CDR3
13 unique J



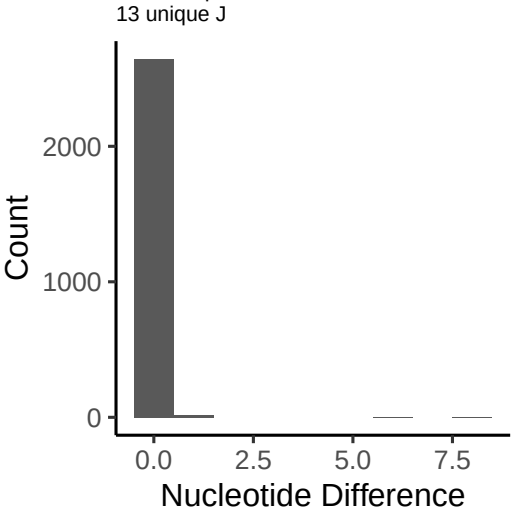
TRBV1*ap01

534 sequences assigned
528 (98.9%) exact matches, in which:
517 unique CDR3
13 unique J



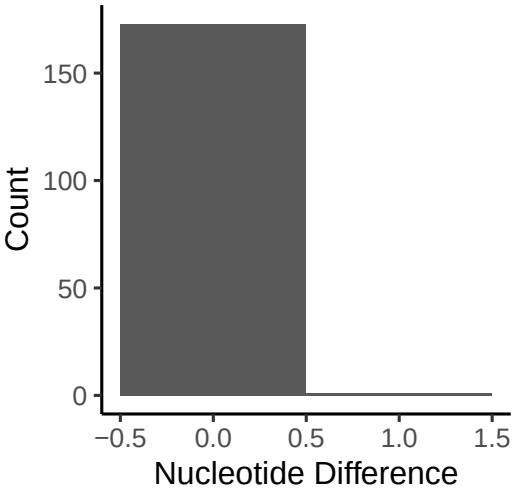
TRBV15*ap02

2662 sequences assigned
2644 (99.3%) exact matches, in which:
2630 unique CDR3
13 unique J



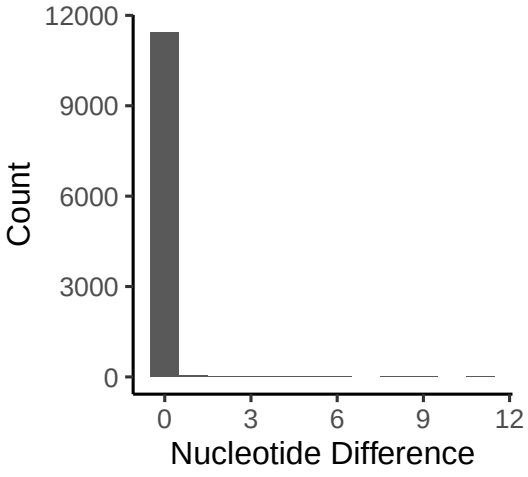
TRBV16*ap01

174 sequences assigned
173 (99.4%) exact matches, in which:
173 unique CDR3
12 unique J



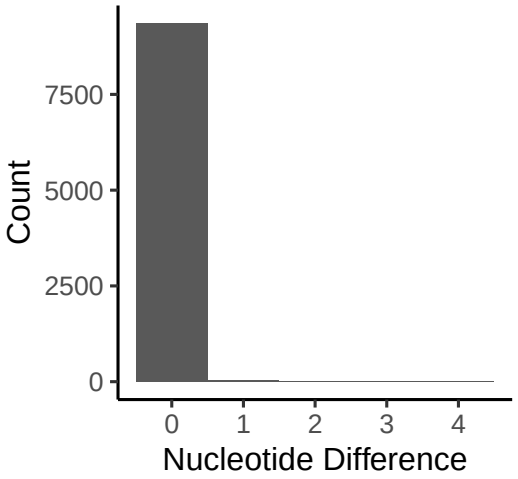
TRBV19*ap01

11502 sequences assigned
11443 (99.5%) exact matches, in which:
11416 unique CDR3
13 unique J



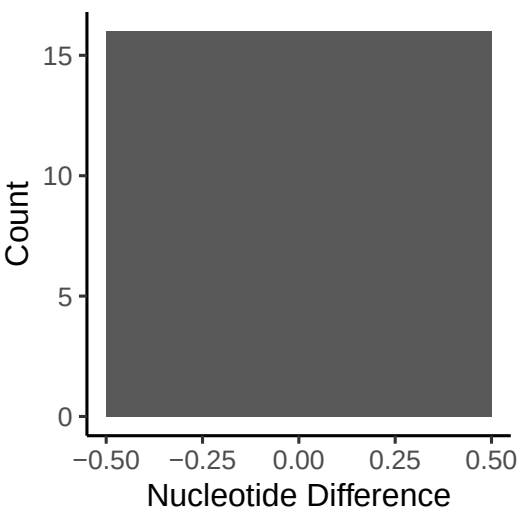
TRBV28*ap01

9397 sequences assigned
9353 (99.5%) exact matches, in which:
9313 unique CDR3
13 unique J



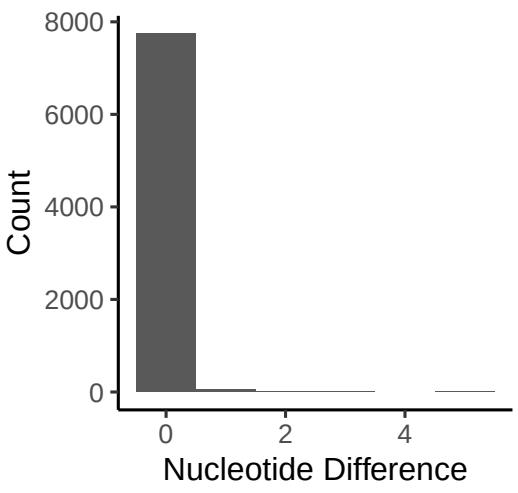
TRBV17*ap01

16 sequences assigned
16 (100%) exact matches, in which:
16 unique CDR3
10 unique J



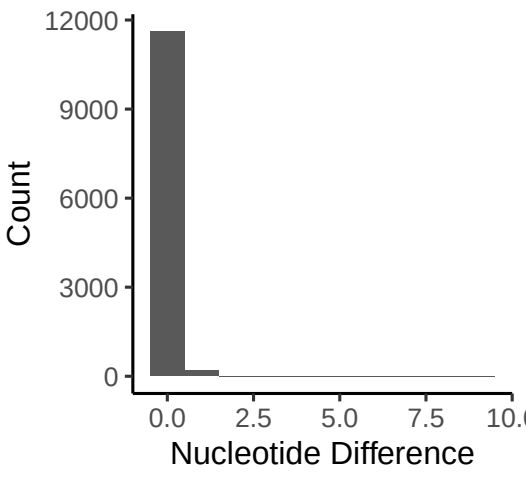
TRBV2*ap01

7804 sequences assigned
7743 (99.2%) exact matches, in which:
7699 unique CDR3
13 unique J



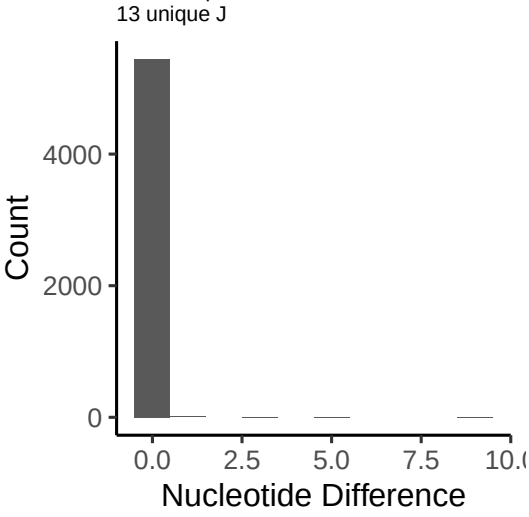
TRBV30*ap01

11832 sequences assigned
11615 (98.2%) exact matches, in which:
11442 unique CDR3
13 unique J



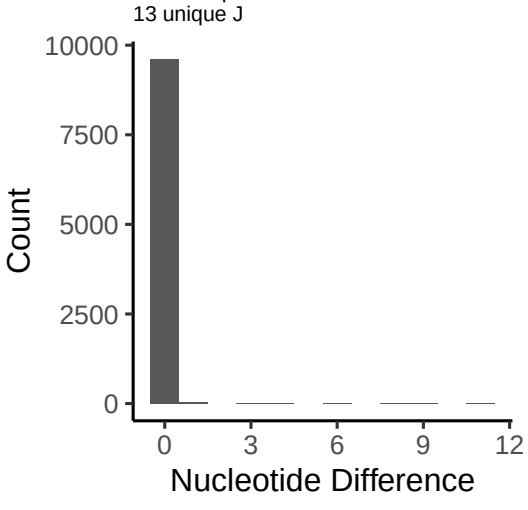
TRBV18*ap01

5461 sequences assigned
5444 (99.7%) exact matches, in which:
5431 unique CDR3
13 unique J



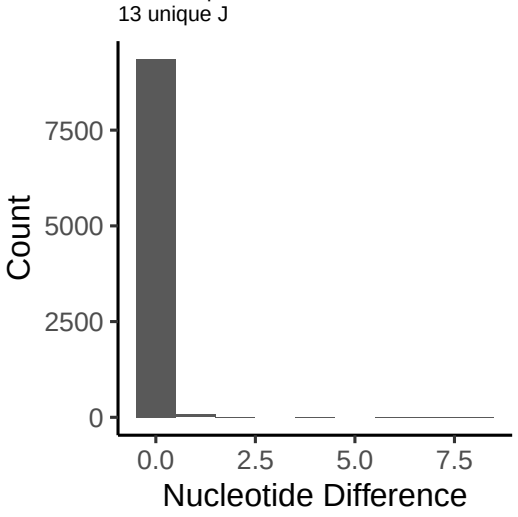
TRBV27*ap01

9670 sequences assigned
9620 (99.5%) exact matches, in which:
9575 unique CDR3
13 unique J



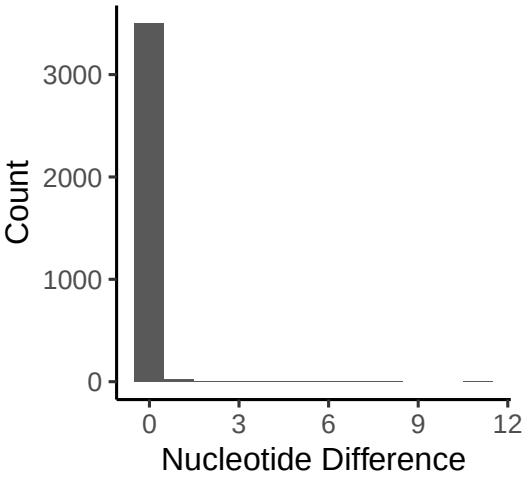
TRBV9*ap01

9439 sequences assigned
9357 (99.1%) exact matches, in which:
9314 unique CDR3
13 unique J



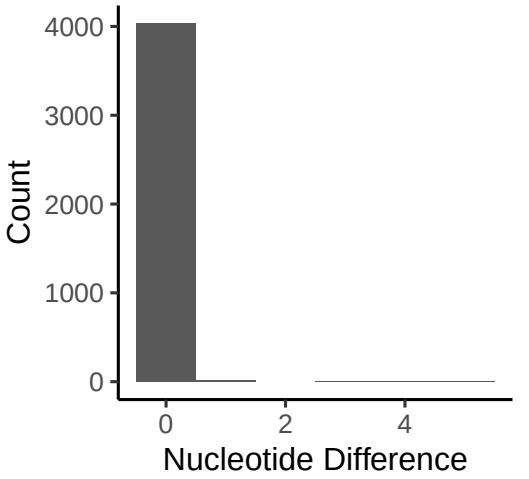
TRBV21−1*ap01

3558 sequences assigned
3500 (98.4%) exact matches, in which:
3491 unique CDR3
13 unique J



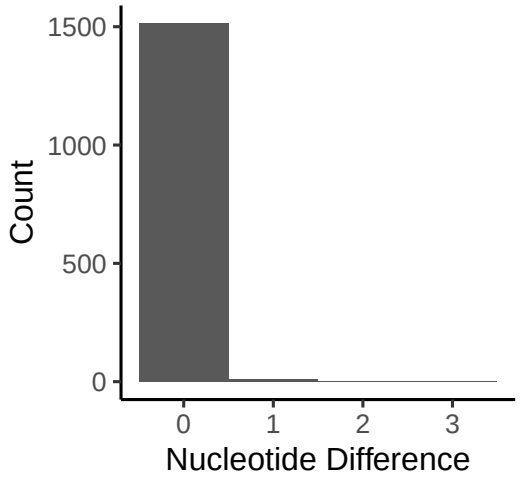
TRBV11−3*ap01

4054 sequences assigned
4034 (99.5%) exact matches, in which:
4020 unique CDR3
13 unique J



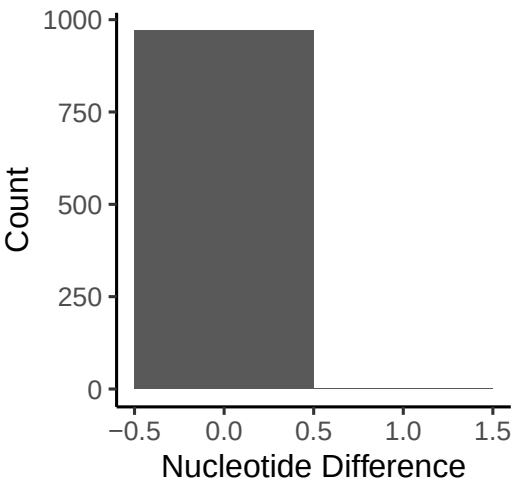
TRBV12−5*ap01

1528 sequences assigned
1514 (99.1%) exact matches, in which:
1509 unique CDR3
13 unique J



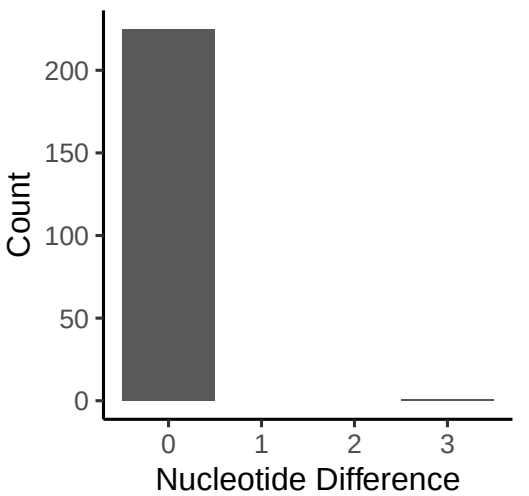
TRBV11−1*ap01

972 sequences assigned
970 (99.8%) exact matches, in which:
970 unique CDR3
14 unique J



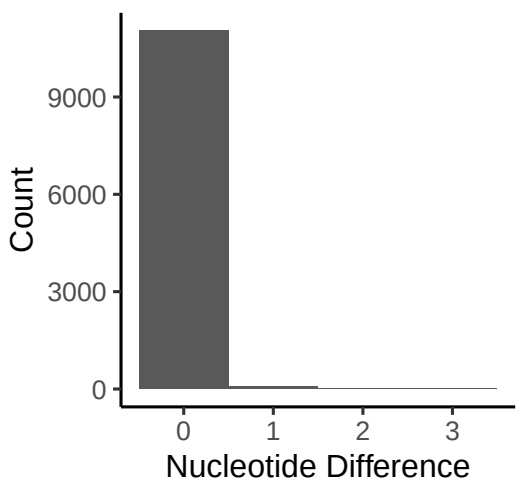
TRBV12−1*ap01

226 sequences assigned
225 (99.6%) exact matches, in which:
224 unique CDR3
13 unique J



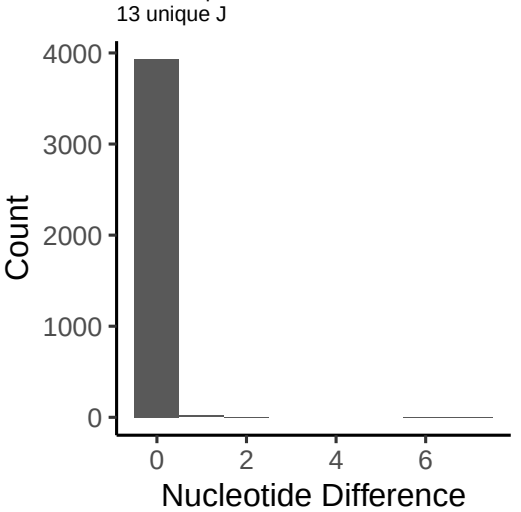
TRBV12−34*ap01

11117 sequences assigned
11043 (99.3%) exact matches, in which:
10988 unique CDR3
13 unique J



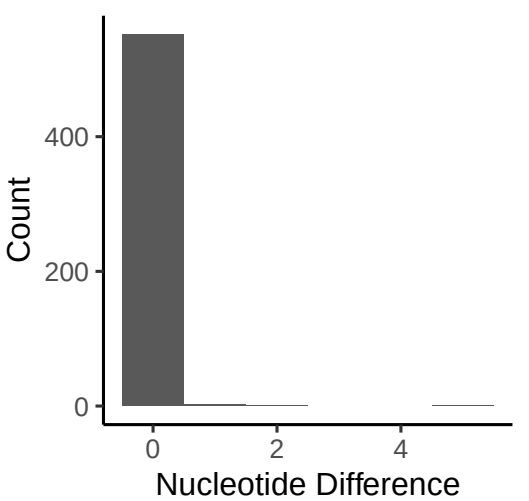
TRBV11−2*ap01

3956 sequences assigned
3933 (99.4%) exact matches, in which:
3916 unique CDR3
13 unique J



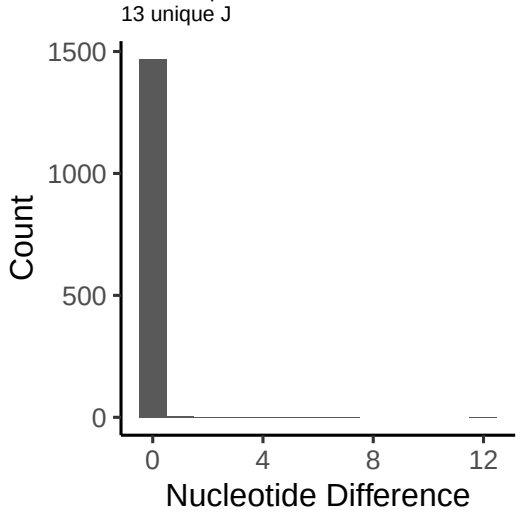
TRBV12−2*ap01

556 sequences assigned
552 (99.3%) exact matches, in which:
550 unique CDR3
13 unique J



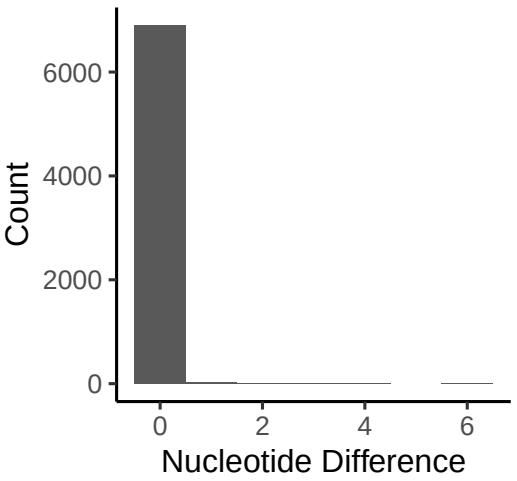
TRBV23−1*ap01

1484 sequences assigned
1469 (99%) exact matches, in which:
1462 unique CDR3
13 unique J



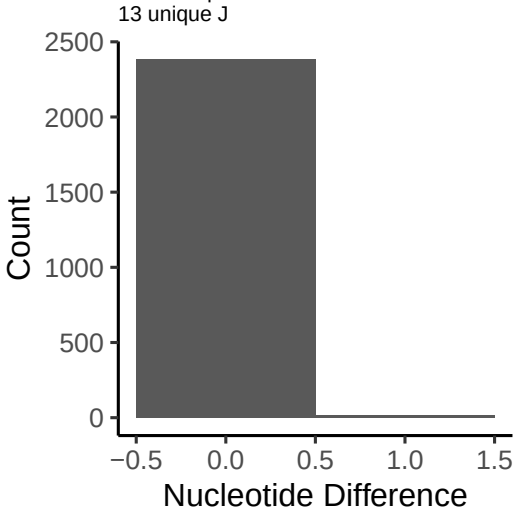
TRBV3−12*ap01

6932 sequences assigned
6898 (99.5%) exact matches, in which:
6876 unique CDR3
13 unique J



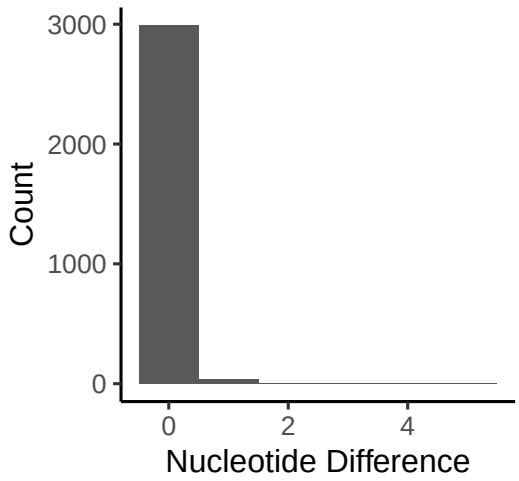
TRBV4−2*ap01

2401 sequences assigned
2383 (99.3%) exact matches, in which:
2371 unique CDR3
13 unique J



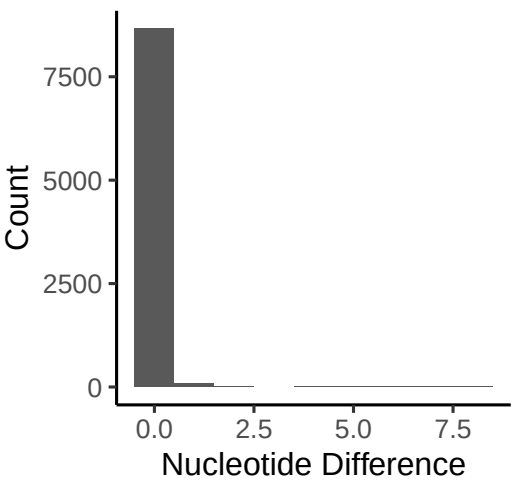
TRBV25−1*ap01

3035 sequences assigned
2990 (98.5%) exact matches, in which:
2943 unique CDR3
13 unique J



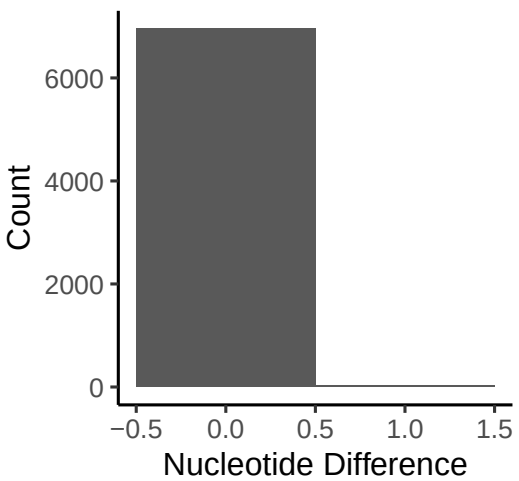
TRBV24−1*ap01

8749 sequences assigned
8661 (99%) exact matches, in which:
8611 unique CDR3
13 unique J



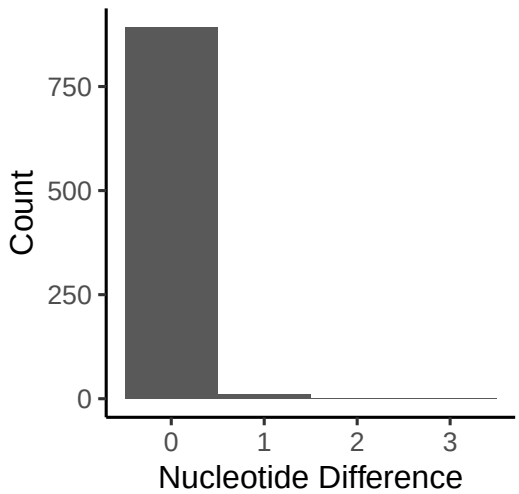
TRBV4−3*ap01

6992 sequences assigned
6955 (99.5%) exact matches, in which:
6917 unique CDR3
13 unique J



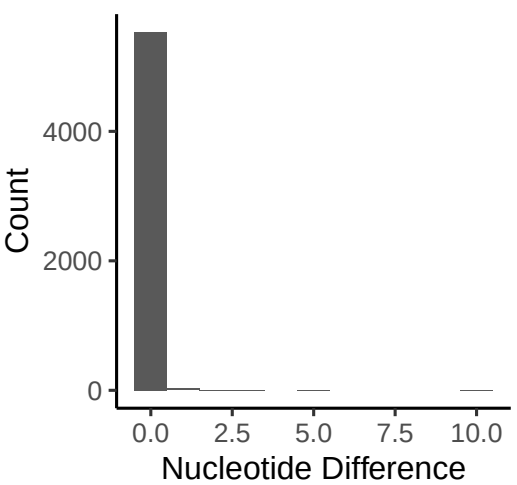
TRBV5−3*ap01

907 sequences assigned
893 (98.5%) exact matches, in which:
885 unique CDR3
13 unique J



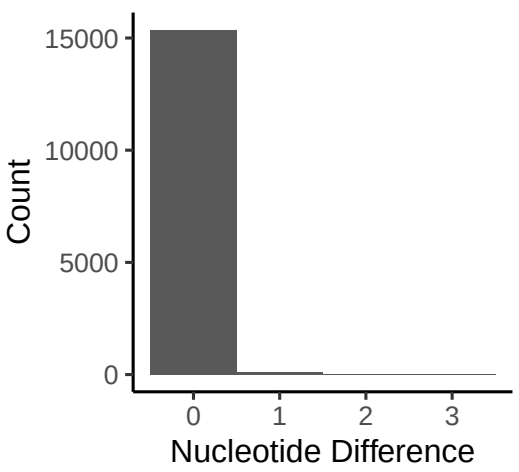
TRBV4−1*ap01

5565 sequences assigned
5534 (99.4%) exact matches, in which:
5499 unique CDR3
13 unique J



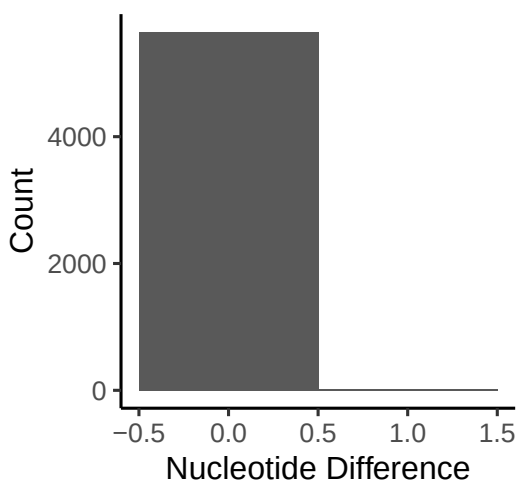
TRBV5−1*ap01

15487 sequences assigned
15366 (99.2%) exact matches, in which:
15254 unique CDR3
13 unique J



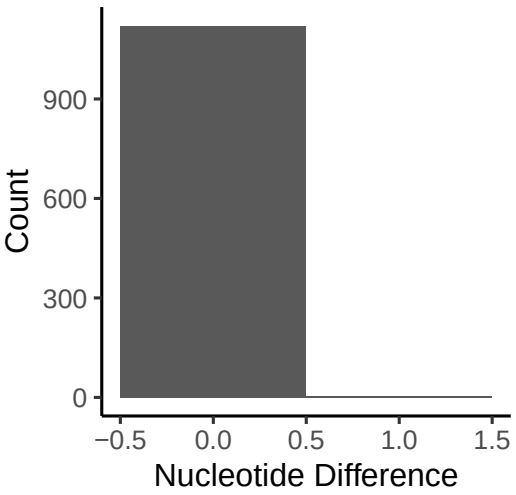
TRBV5−4*ap01

5672 sequences assigned
5650 (99.6%) exact matches, in which:
5601 unique CDR3
13 unique J



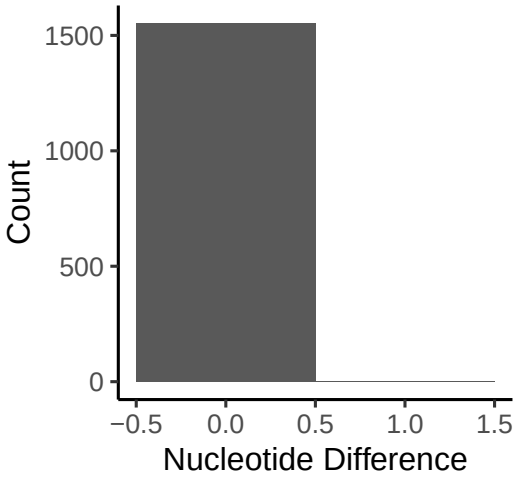
TRBV5−5*ap01

1126 sequences assigned
1121 (99.6%) exact matches, in which:
1118 unique CDR3
13 unique J



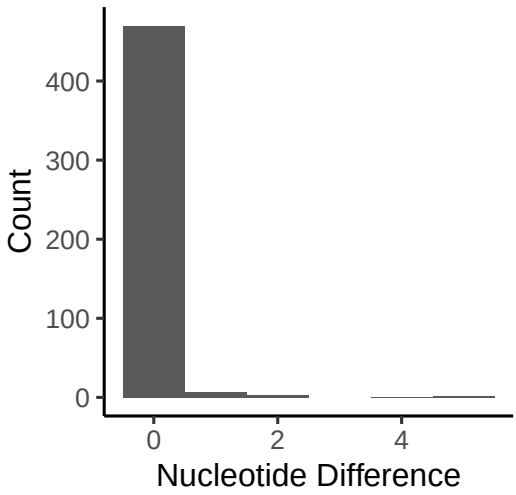
TRBV5−8*ap01

1554 sequences assigned
1552 (99.9%) exact matches, in which:
1545 unique CDR3
13 unique J



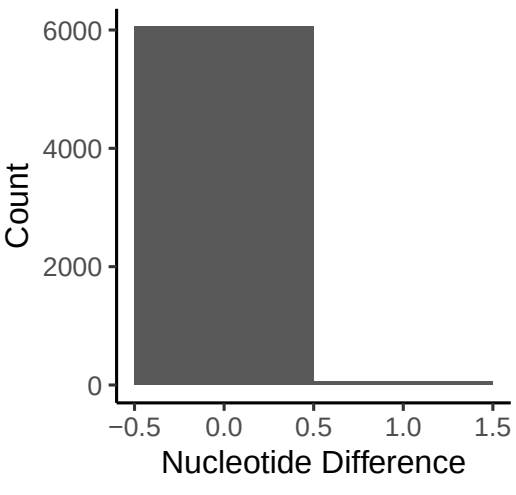
TRBV6−7*ap01

483 sequences assigned
470 (97.3%) exact matches, in which:
466 unique CDR3
13 unique J



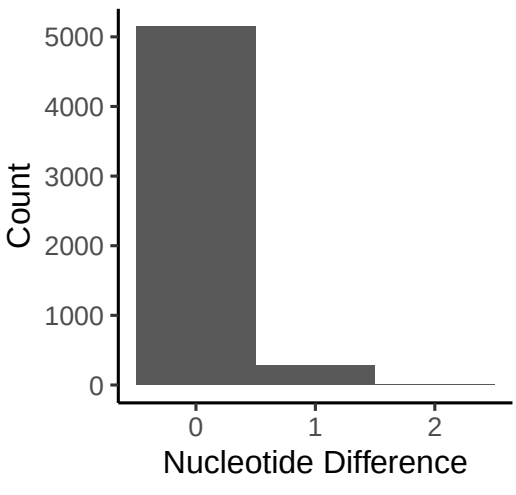
TRBV5−6*ap01

6109 sequences assigned
6055 (99.1%) exact matches, in which:
5984 unique CDR3
13 unique J



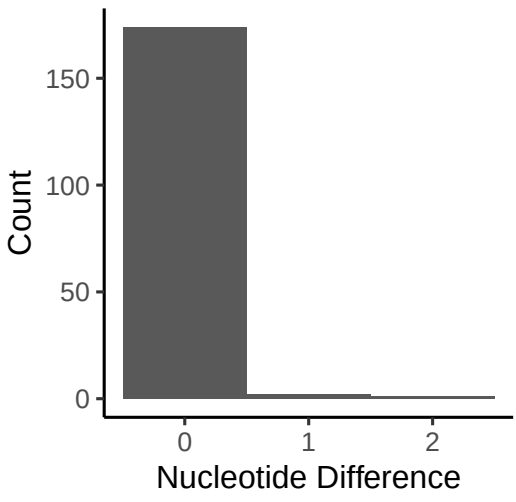
TRBV6−1*ap01

5428 sequences assigned
5145 (94.8%) exact matches, in which:
5097 unique CDR3
13 unique J



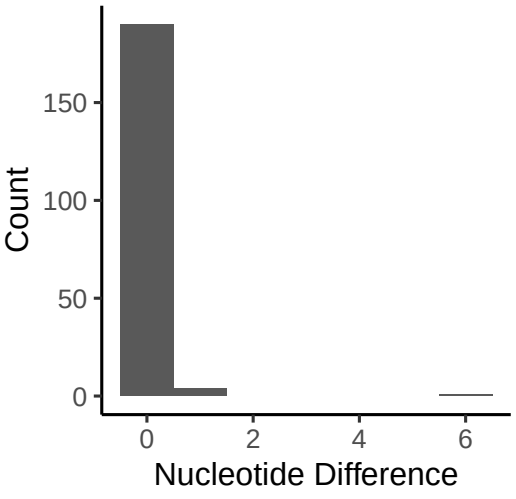
TRBV6−8*ap01

177 sequences assigned
174 (98.3%) exact matches, in which:
170 unique CDR3
13 unique J



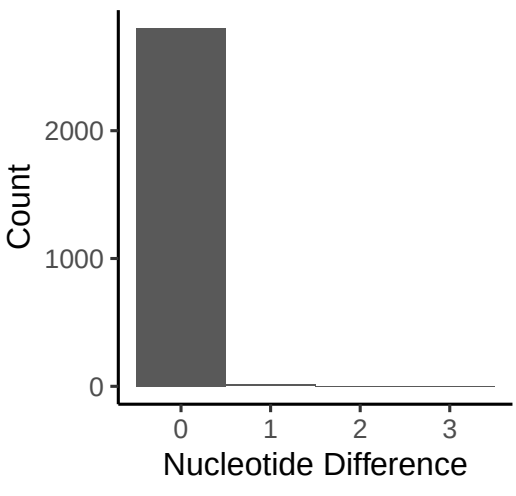
TRBV5−7*ap01

195 sequences assigned
190 (97.4%) exact matches, in which:
188 unique CDR3
13 unique J



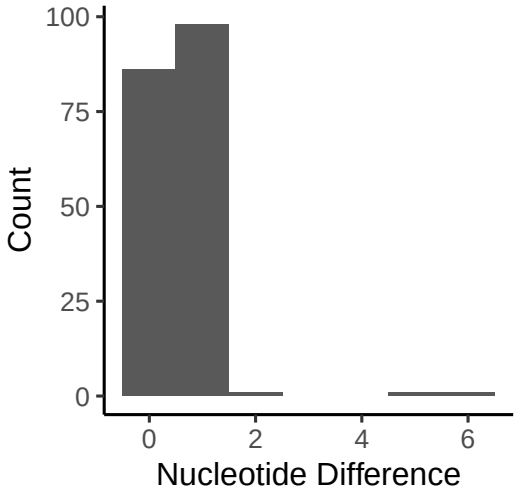
TRBV6−4*ap01

2823 sequences assigned
2803 (99.3%) exact matches, in which:
2793 unique CDR3
13 unique J



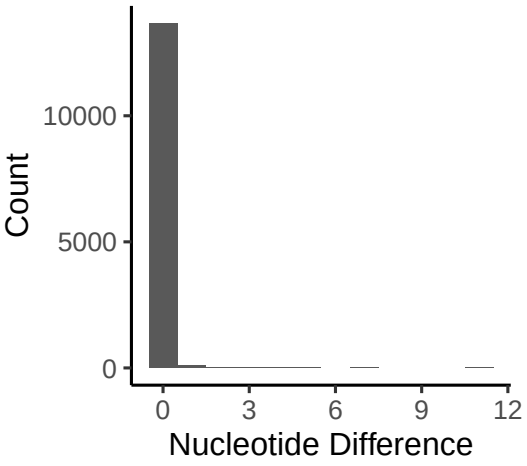
TRBV6−9*ap01

187 sequences assigned
86 (46%) exact matches, in which:
86 unique CDR3
12 unique J



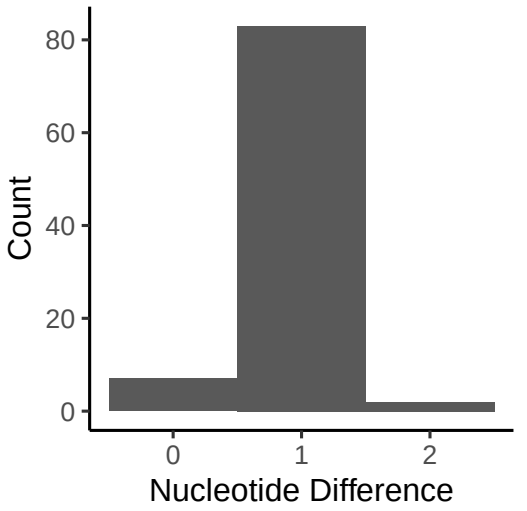
TRBV6−23*ap01

13791 sequences assigned
13673 (99.1%) exact matches, in which:
13510 unique CDR3
13 unique J



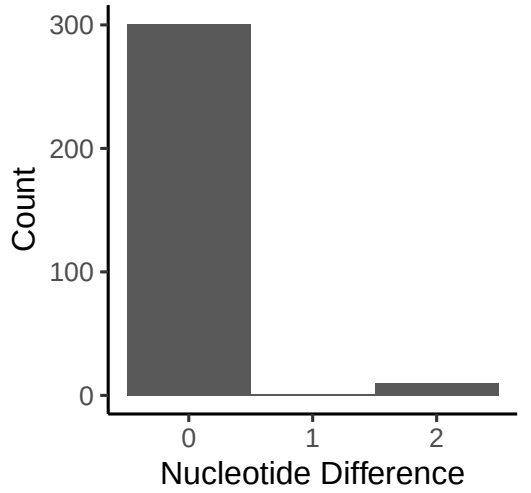
TRBV7−1*ap01_T296C

92 sequences assigned
7 (7.6%) exact matches, in which:
7 unique CDR3
5 unique J



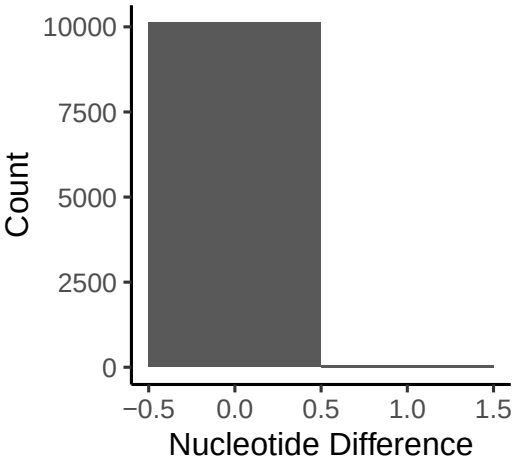
TRBV7−4*ap01

312 sequences assigned
301 (96.5%) exact matches, in which:
299 unique CDR3
13 unique J



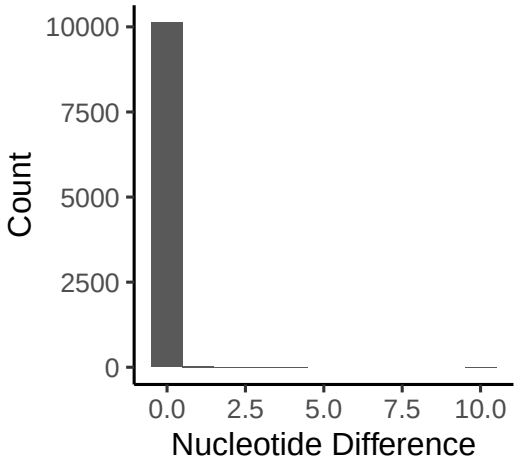
TRBV6−56*ap01

10201 sequences assigned
10129 (99.3%) exact matches, in which:
9998 unique CDR3
13 unique J



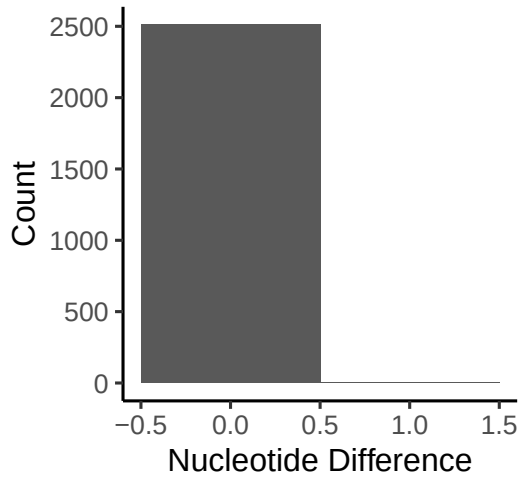
TRBV7−2*ap01

10168 sequences assigned
10129 (99.6%) exact matches, in which:
10083 unique CDR3
13 unique J



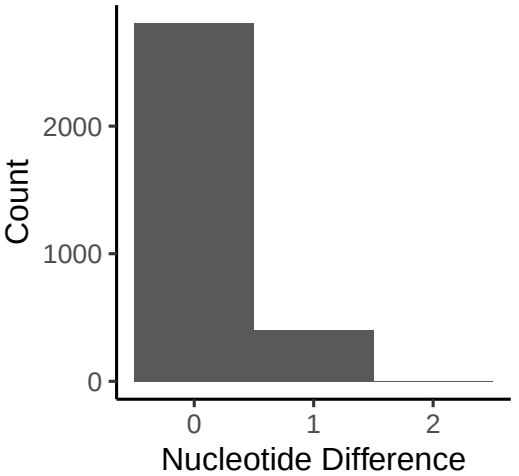
TRBV7−6*ap01

2517 sequences assigned
2511 (99.8%) exact matches, in which:
2497 unique CDR3
13 unique J



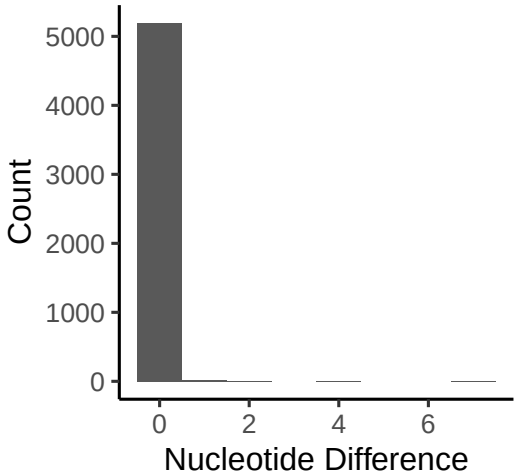
TRBV6−56*ap02

3212 sequences assigned
2808 (87.4%) exact matches, in which:
2782 unique CDR3
13 unique J



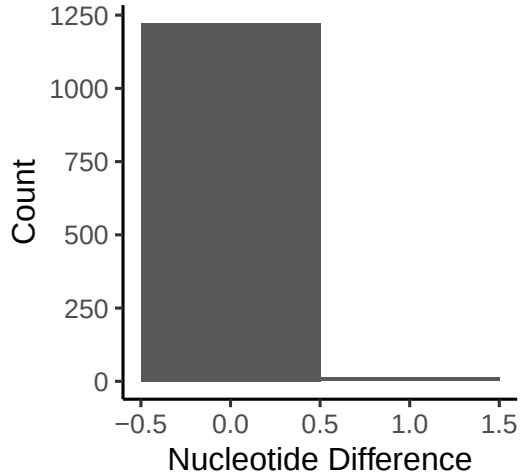
TRBV7−3*ap01

5219 sequences assigned
5193 (99.5%) exact matches, in which:
5174 unique CDR3
13 unique J



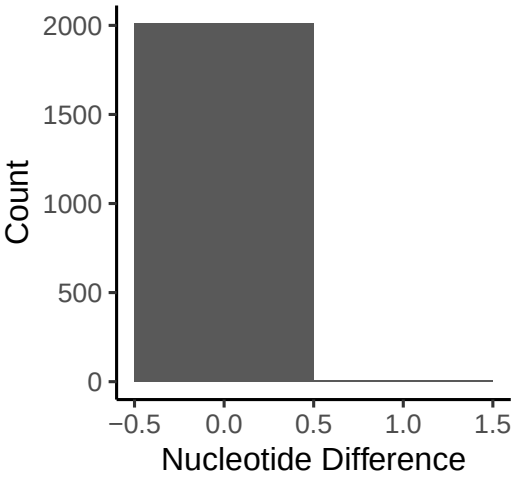
TRBV7−7*ap01

1236 sequences assigned
1223 (98.9%) exact matches, in which:
1218 unique CDR3
13 unique J



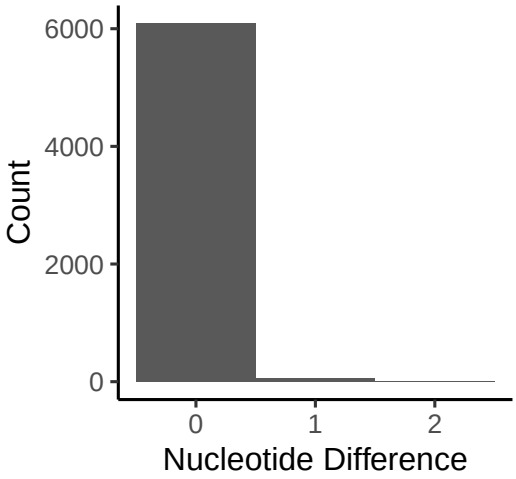
TRBV7−8*ap01

2017 sequences assigned
2011 (99.7%) exact matches, in which:
2003 unique CDR3
13 unique J



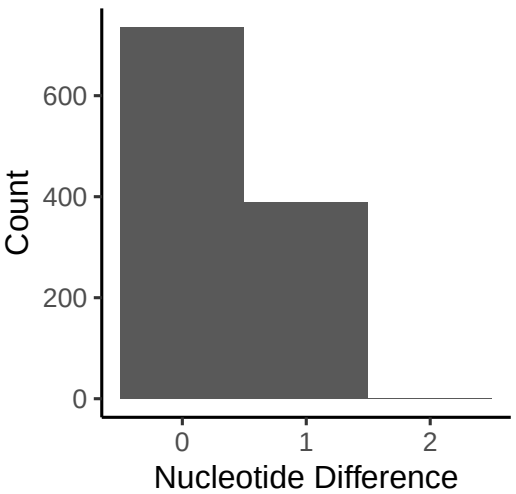
TRBV29−1*ap01

6150 sequences assigned
6090 (99%) exact matches, in which:
5975 unique CDR3
13 unique J



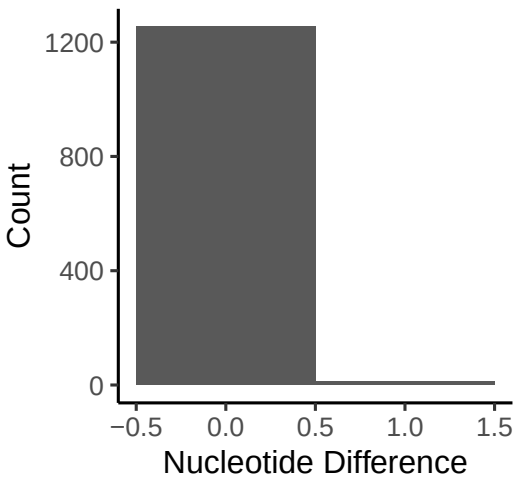
TRBV7−8*ap03

1127 sequences assigned
736 (65.3%) exact matches, in which:
733 unique CDR3
13 unique J



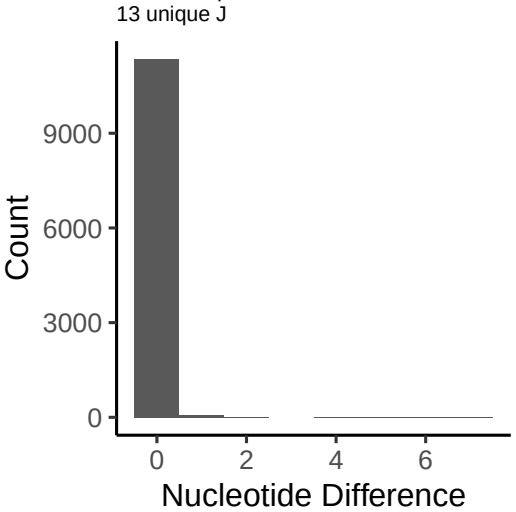
TRBV29−1*ap02

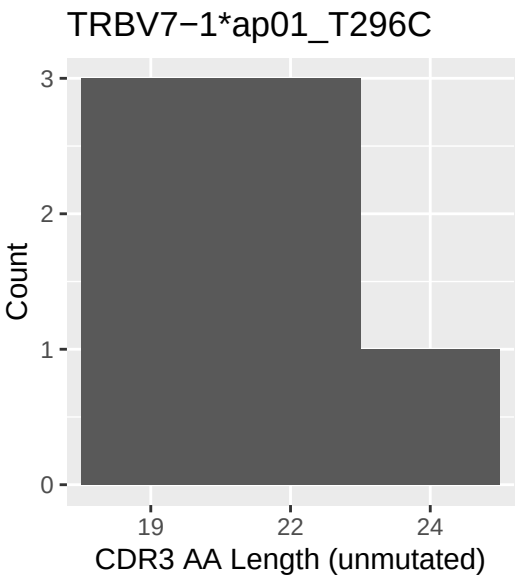
1267 sequences assigned
1254 (99%) exact matches, in which:
1239 unique CDR3
13 unique J



TRBV7−9*ap01

11423 sequences assigned
11350 (99.4%) exact matches, in which:
11296 unique CDR3
13 unique J




TRBV7−1*ap01_T296C
Count
3
2
1
0
19
22
24
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.