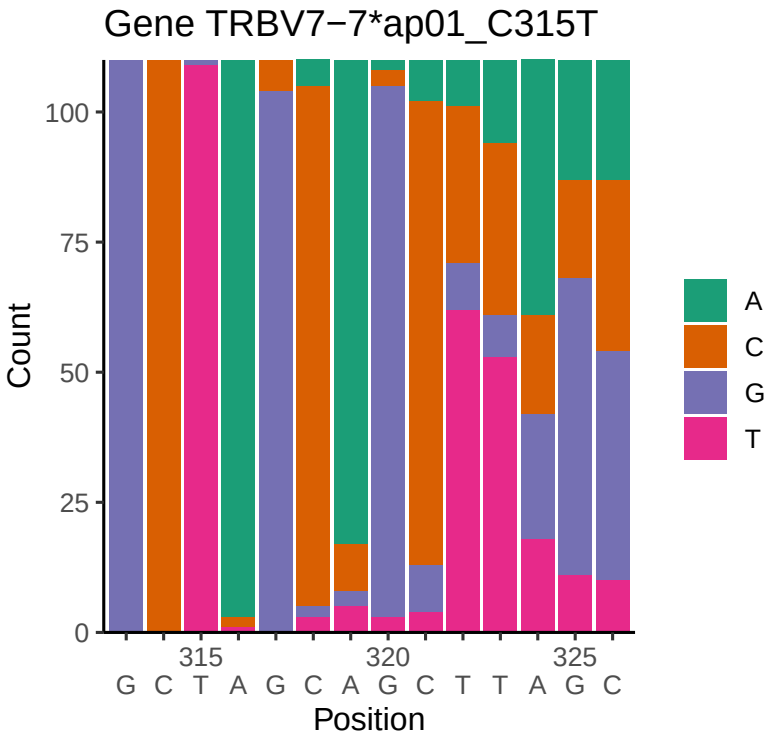
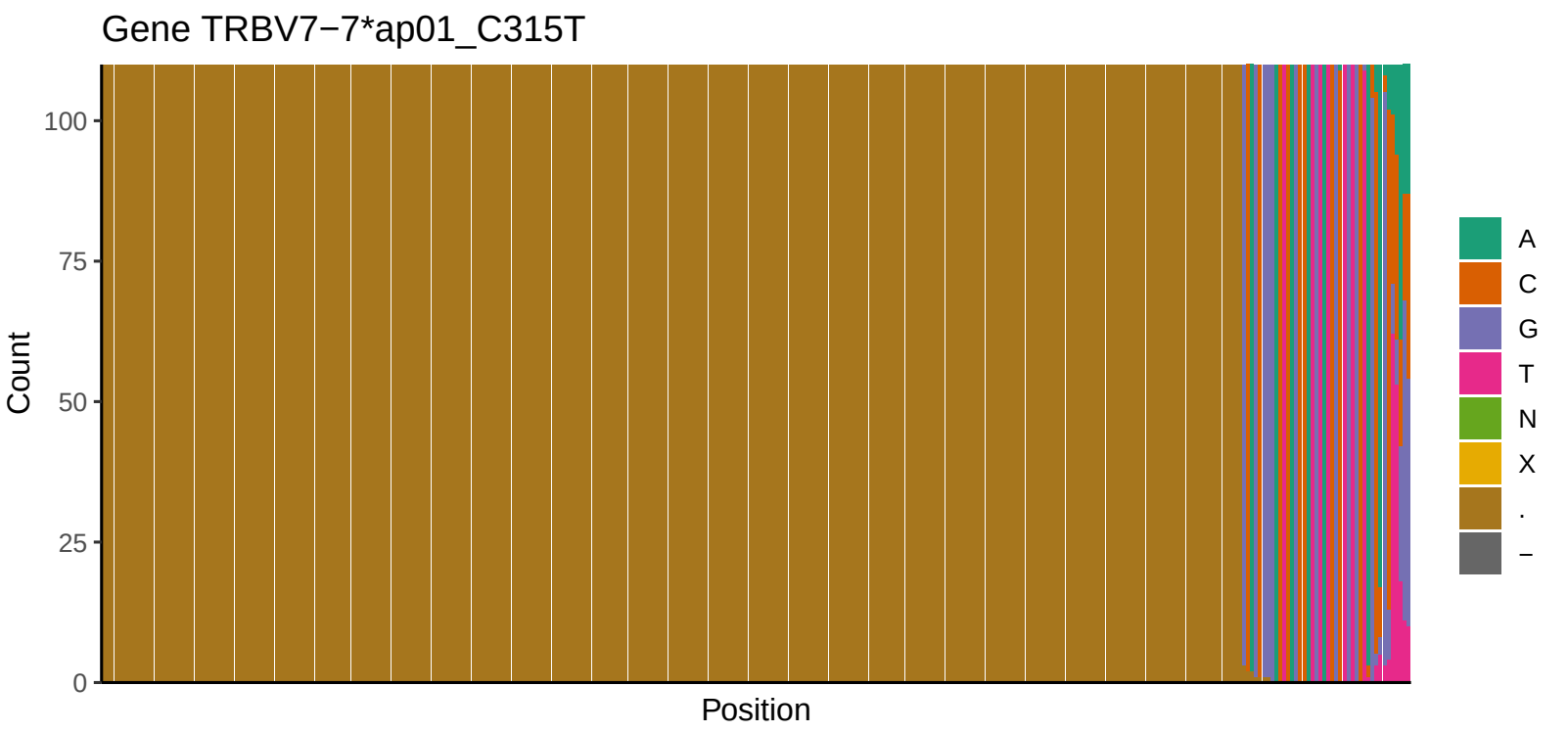
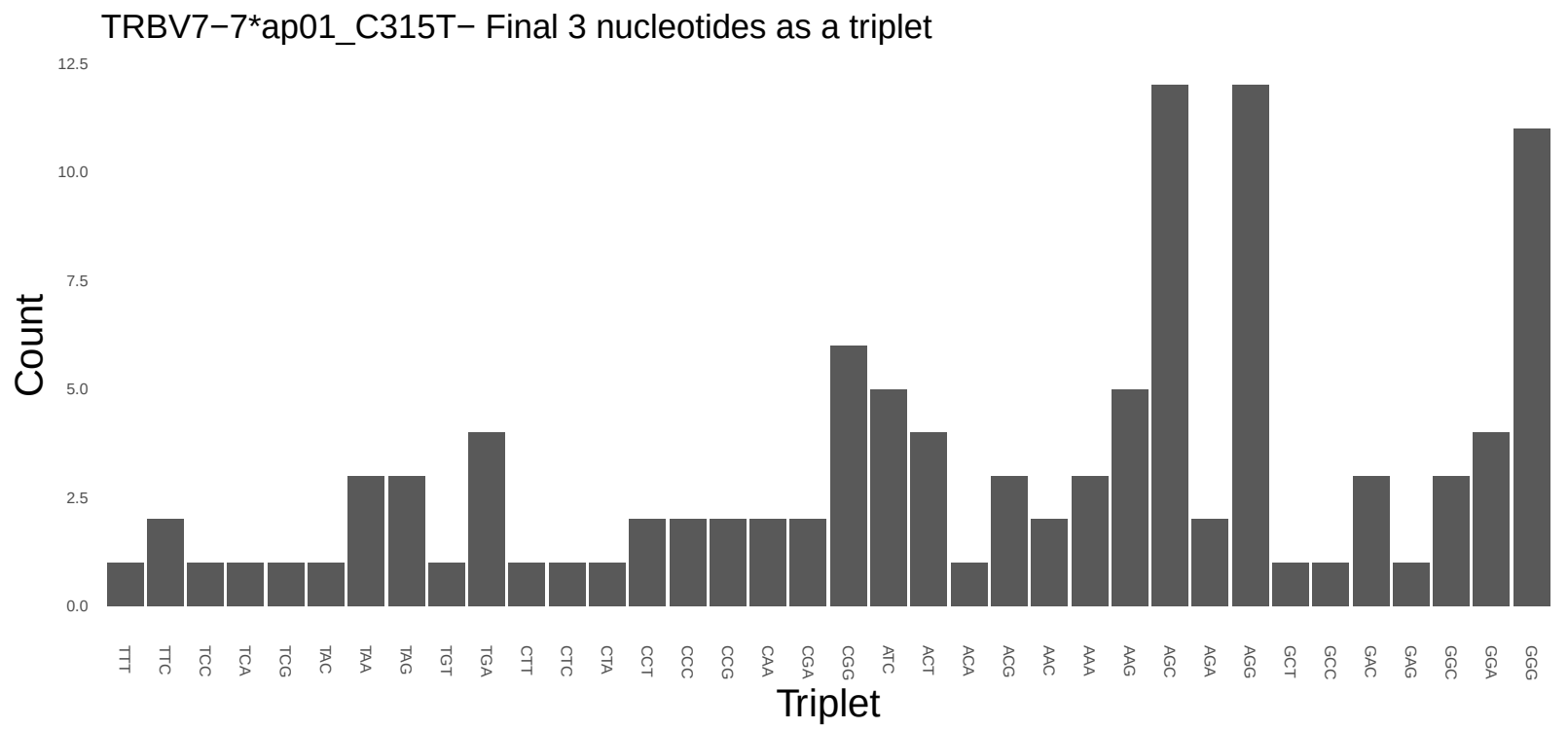
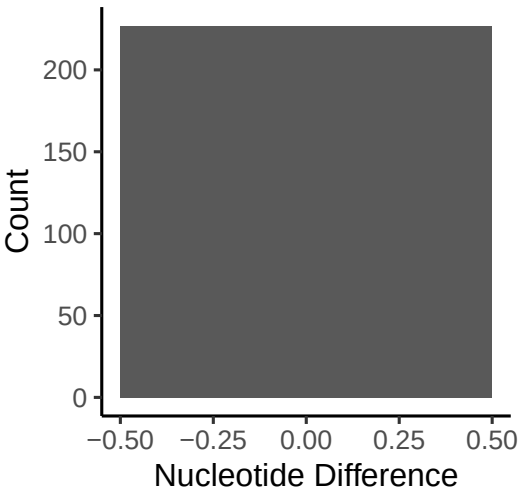

Gene TRBV7−7*ap01_C315T
Count
100
75
50
25
0
315
320
325
G C T A G C A G C T T A G C
Position
A
C
G
T


Gene TRBV7−7*ap01_C315T
Count
100
75
50
25
0
Position
A
C
G
T
N
X
.
–


TRBV7−7*ap01_C315T− Final 3 nucleotides as a triplet
Count
12.5
10.0
7.5
5.0
2.5
0.0
TTT
TTC
TCC
TCA
TCG
TAC
TAA
TAG
TGT
TGA
CTT
CTC
CTA
CCT
CCC
CCG
CAA
CGA
CGG
ATC
ACT
ACA
ACG
AAC
AAA
AAG
AGC
AGA
AGG
GCT
GCC
GAC
GAG
GGC
GGA
GGG
Triplet

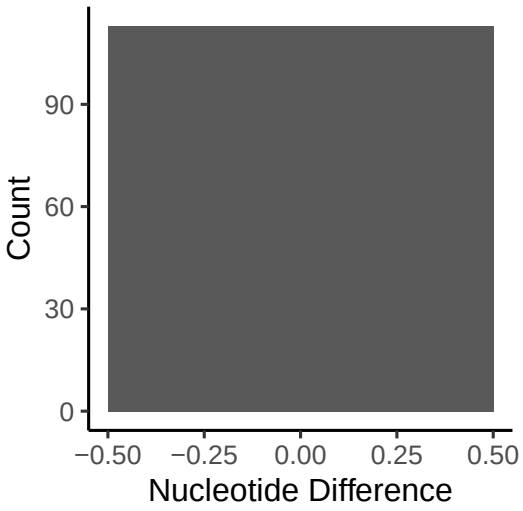
TRBV10−1*ap01

227 sequences assigned
227 (100%) exact matches, in which:
224 unique CDR3
13 unique J



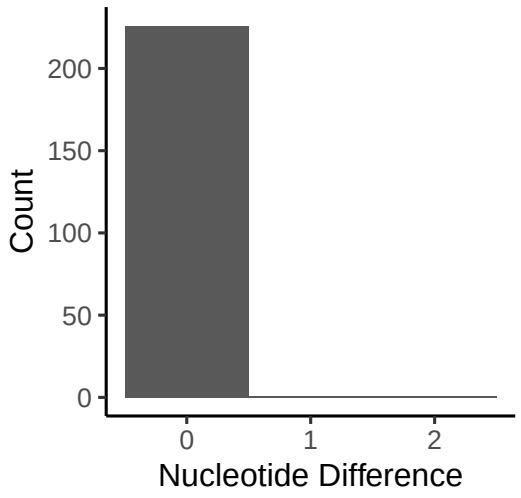
TRBV10−2*ap01

113 sequences assigned
113 (100%) exact matches, in which:
110 unique CDR3
11 unique J



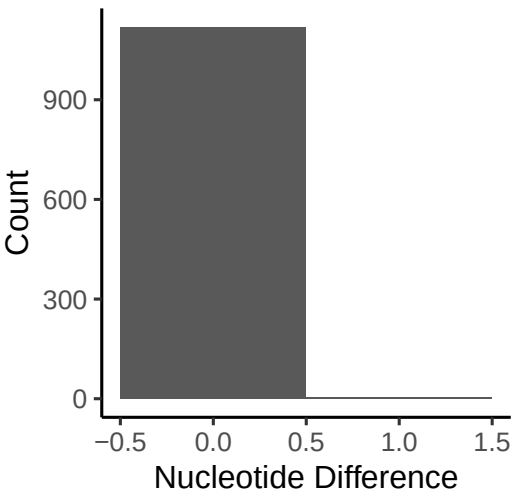
TRBV13*ap01

228 sequences assigned
226 (99.1%) exact matches, in which:
222 unique CDR3
12 unique J



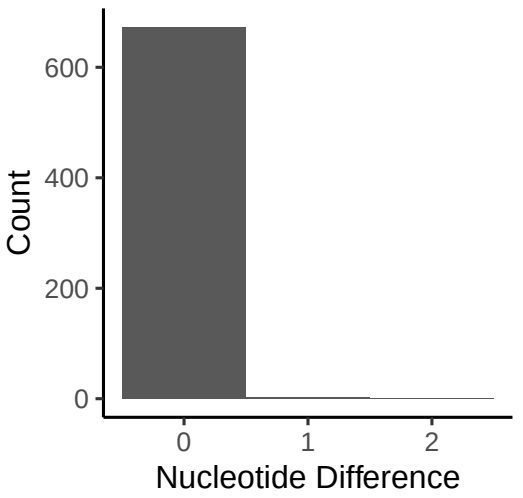
TRBV20−1*ap01

1124 sequences assigned
1119 (99.6%) exact matches, in which:
1098 unique CDR3
13 unique J



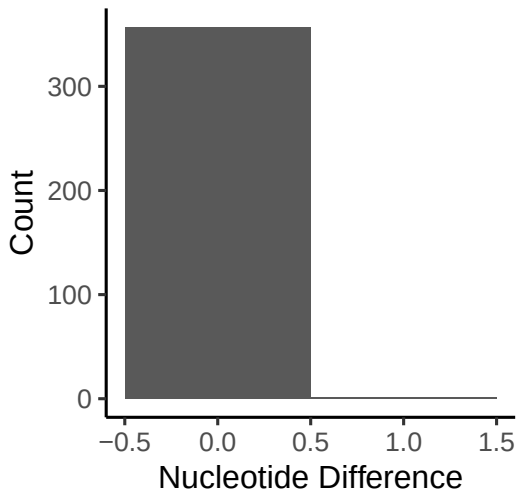
TRBV10−3*ap01

676 sequences assigned
673 (99.6%) exact matches, in which:
668 unique CDR3
12 unique J



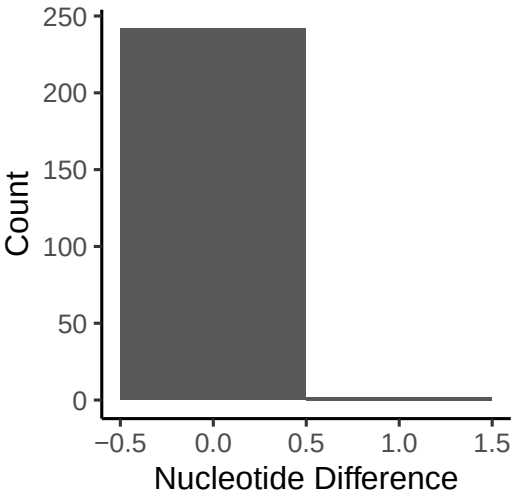
TRBV14*ap01

358 sequences assigned
357 (99.7%) exact matches, in which:
355 unique CDR3
13 unique J



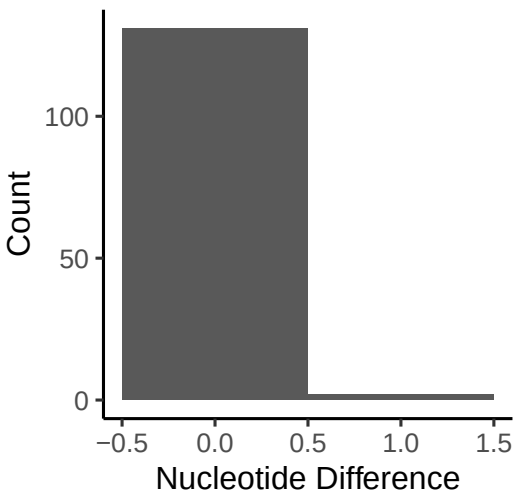
TRBV20−1*ap02

244 sequences assigned
242 (99.2%) exact matches, in which:
235 unique CDR3
12 unique J



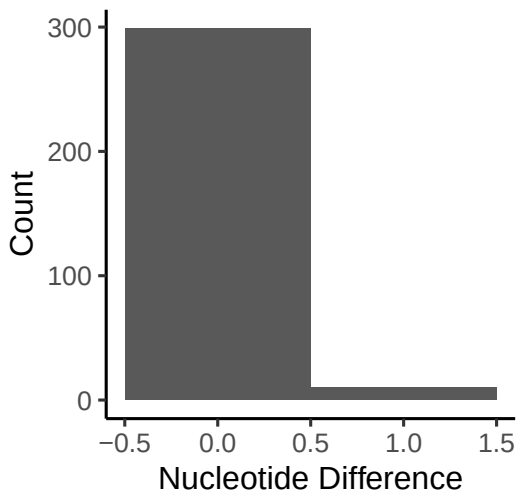
TRBV1*ap01

133 sequences assigned
131 (98.5%) exact matches, in which:
128 unique CDR3
10 unique J



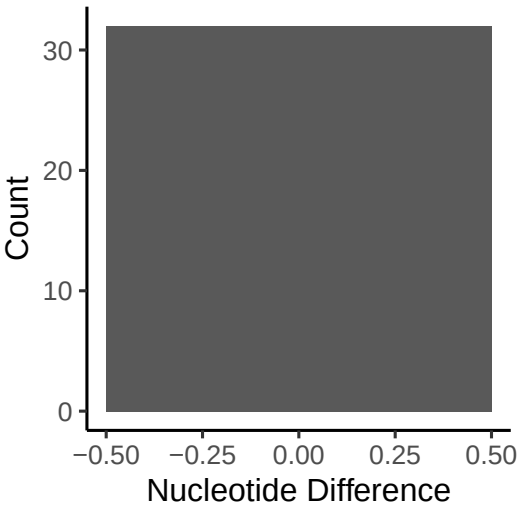
TRBV15*ap02

309 sequences assigned
299 (96.8%) exact matches, in which:
294 unique CDR3
12 unique J



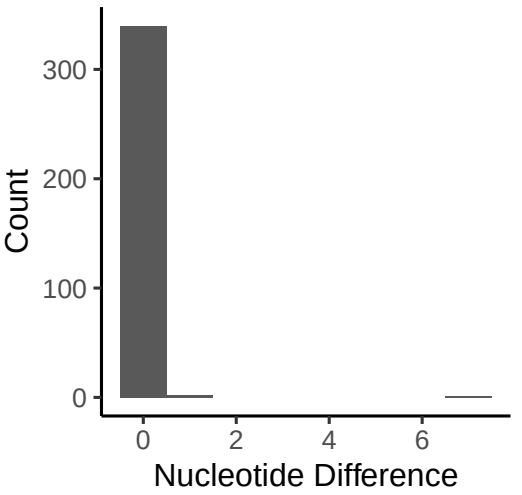
TRBV16*ap01

32 sequences assigned
32 (100%) exact matches, in which:
32 unique CDR3
10 unique J



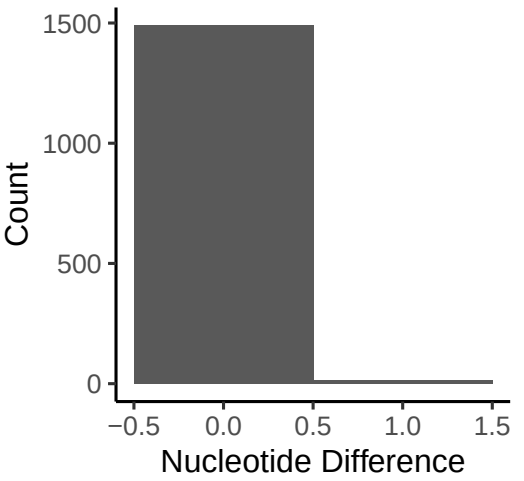
TRBV2*ap01

343 sequences assigned
340 (99.1%) exact matches, in which:
338 unique CDR3
12 unique J



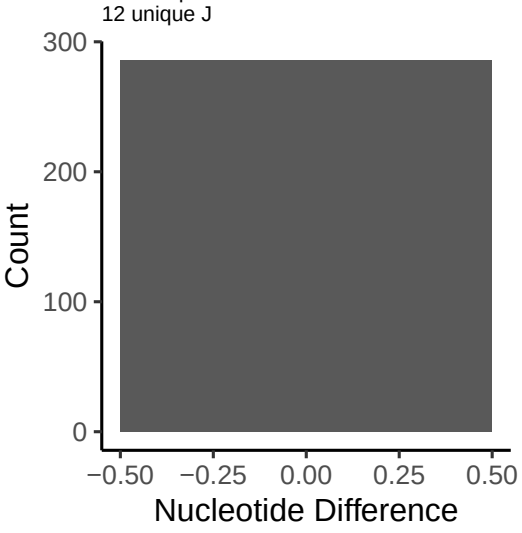
TRBV30*ap01

1504 sequences assigned
1490 (99.1%) exact matches, in which:
1453 unique CDR3
13 unique J



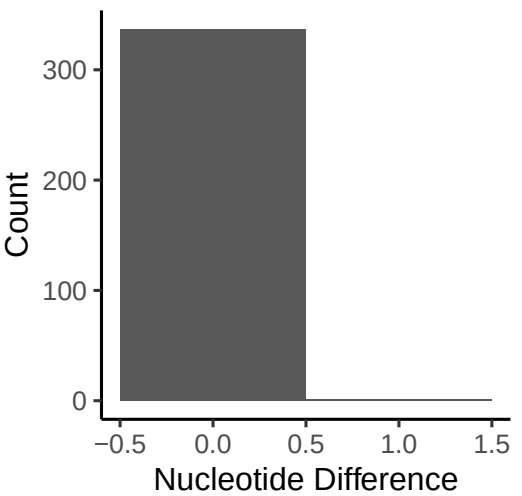
TRBV18*ap01

286 sequences assigned
286 (100%) exact matches, in which:
284 unique CDR3
12 unique J



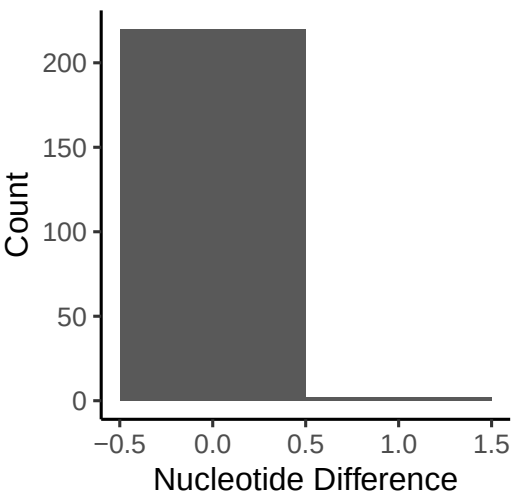
TRBV27*ap01

338 sequences assigned
337 (99.7%) exact matches, in which:
333 unique CDR3
12 unique J



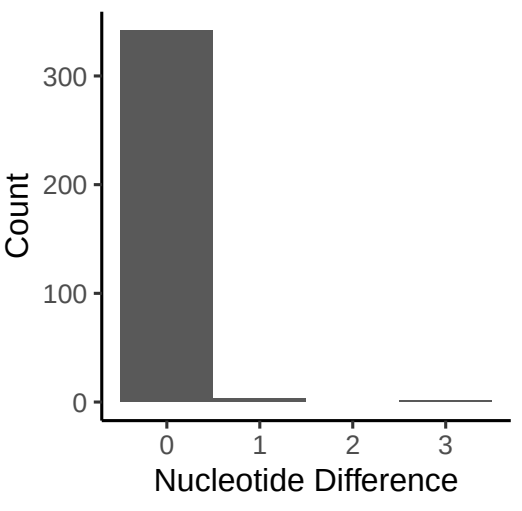
TRBV30*ap03

222 sequences assigned
220 (99.1%) exact matches, in which:
216 unique CDR3
13 unique J



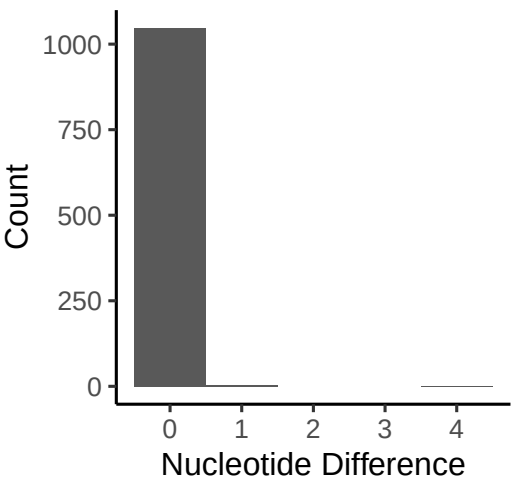
TRBV19*ap01

346 sequences assigned
342 (98.8%) exact matches, in which:
342 unique CDR3
12 unique J



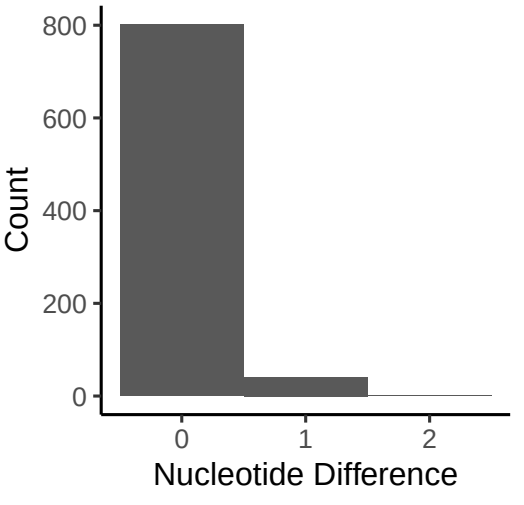
TRBV28*ap01

1052 sequences assigned
1047 (99.5%) exact matches, in which:
1044 unique CDR3
13 unique J



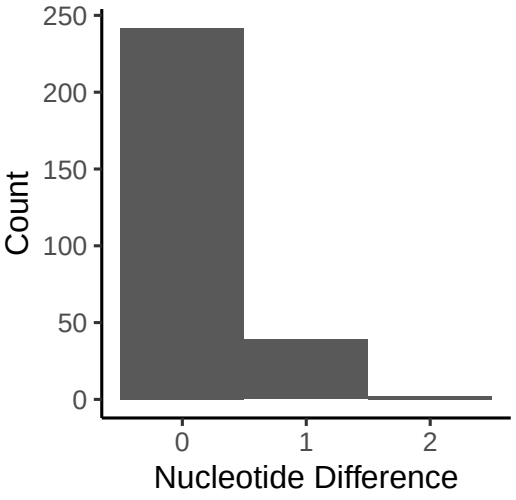
TRBV9*ap01

845 sequences assigned
802 (94.9%) exact matches, in which:
794 unique CDR3
12 unique J



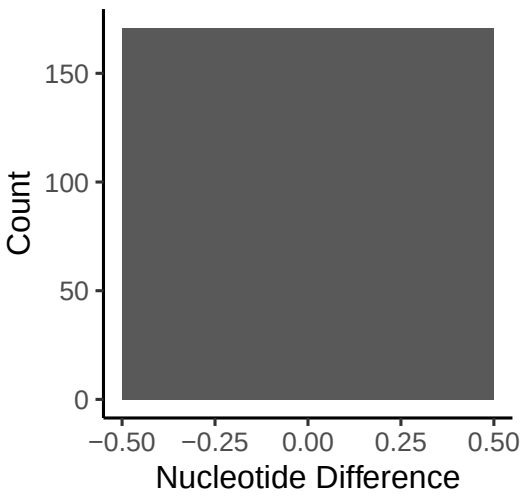
TRBV21−1*ap01

283 sequences assigned
242 (85.5%) exact matches, in which:
240 unique CDR3
13 unique J



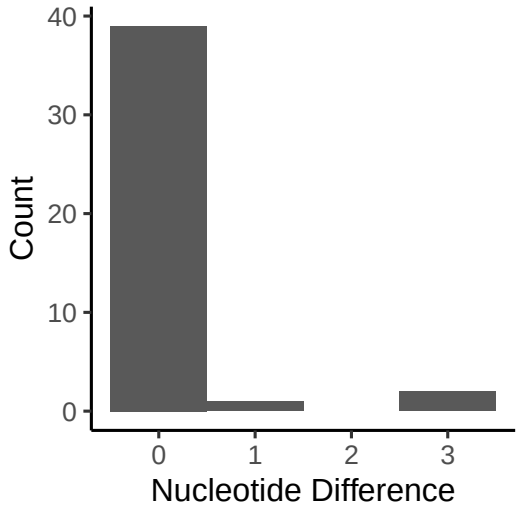
TRBV11−3*ap01

171 sequences assigned
171 (100%) exact matches, in which:
171 unique CDR3
12 unique J



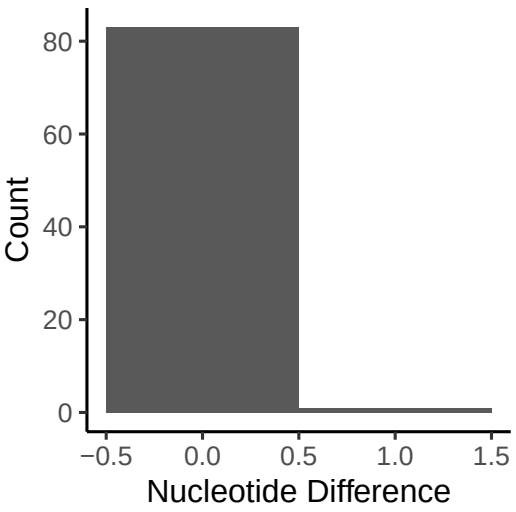
TRBV12−5*ap01

42 sequences assigned
39 (92.9%) exact matches, in which:
39 unique CDR3
11 unique J



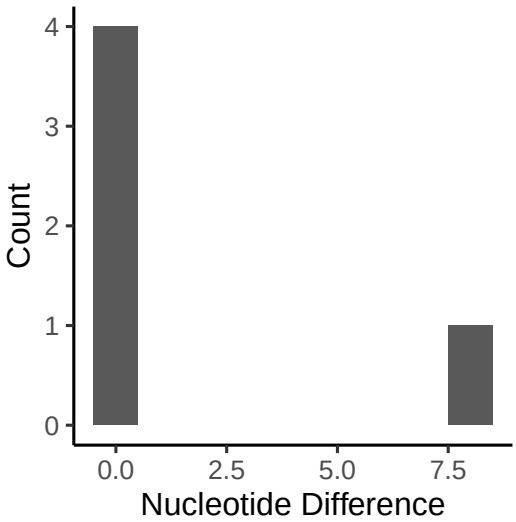
TRBV11−1*ap01

84 sequences assigned
83 (98.8%) exact matches, in which:
83 unique CDR3
12 unique J



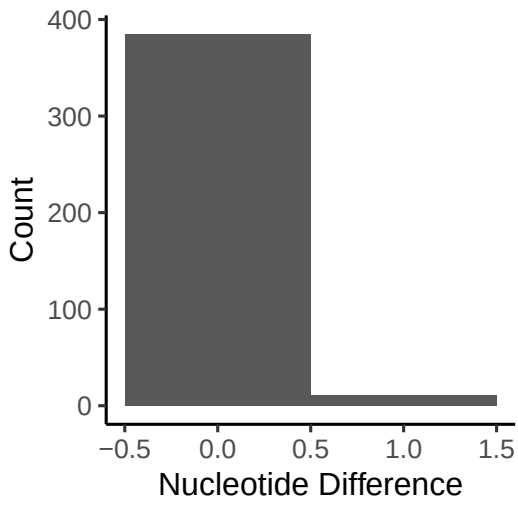
TRBV12−1*ap01

5 sequences assigned
4 (80%) exact matches, in which:
4 unique CDR3
3 unique J



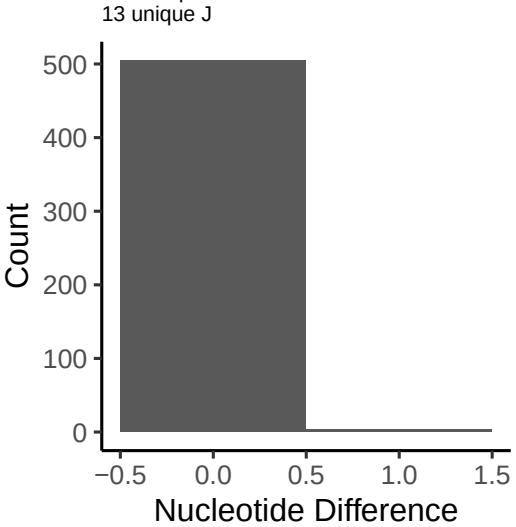
TRBV12−34*ap01

396 sequences assigned
385 (97.2%) exact matches, in which:
380 unique CDR3
13 unique J



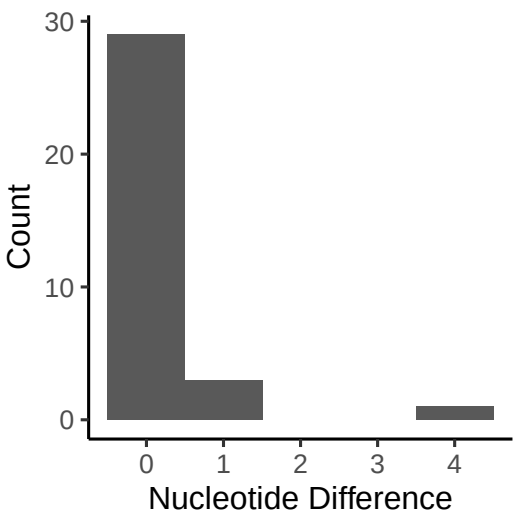
TRBV11−2*ap01

508 sequences assigned
505 (99.4%) exact matches, in which:
501 unique CDR3
13 unique J



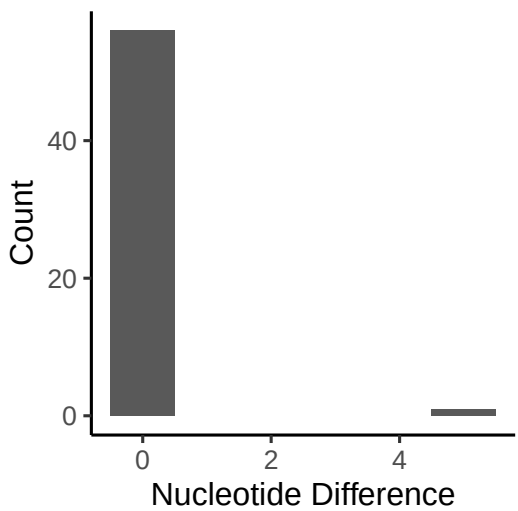
TRBV12−2*ap01

33 sequences assigned
29 (87.9%) exact matches, in which:
27 unique CDR3
8 unique J



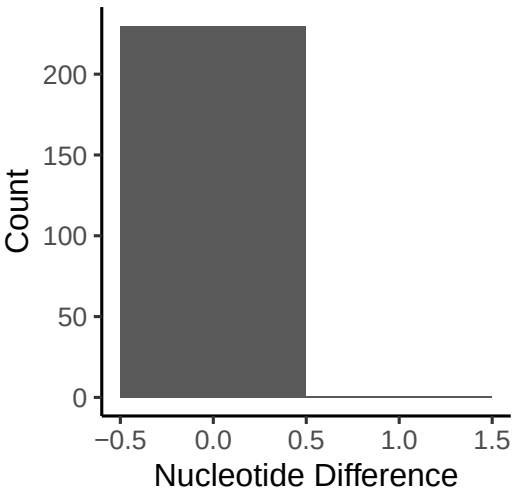
TRBV23−1*ap01

57 sequences assigned
56 (98.2%) exact matches, in which:
55 unique CDR3
11 unique J



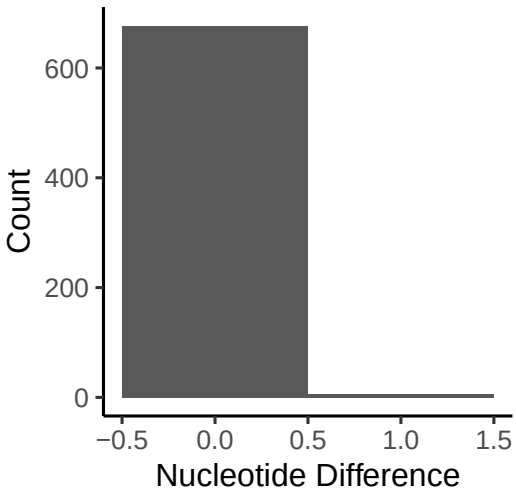
TRBV3−12*ap01

231 sequences assigned
230 (99.6%) exact matches, in which:
230 unique CDR3
12 unique J



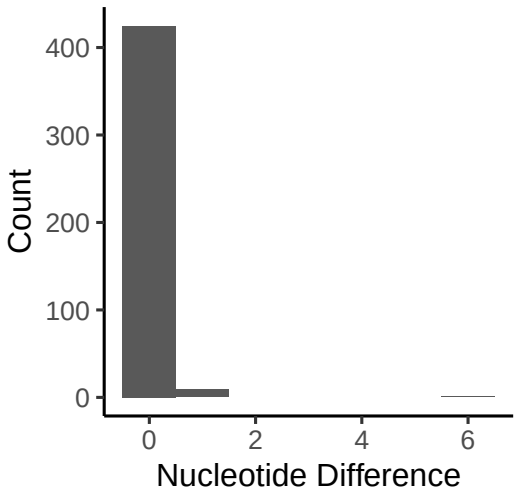
TRBV4−2*ap01

683 sequences assigned
677 (99.1%) exact matches, in which:
671 unique CDR3
13 unique J



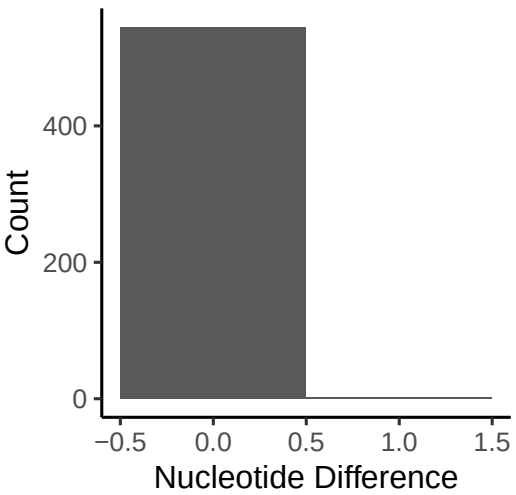
TRBV25−1*ap01

435 sequences assigned
425 (97.7%) exact matches, in which:
417 unique CDR3
13 unique J



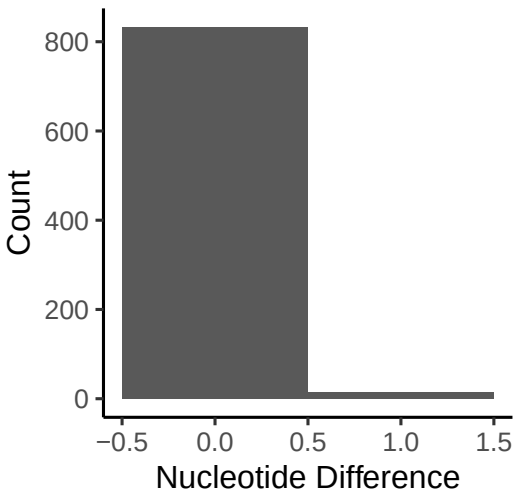
TRBV24−1*ap01

547 sequences assigned
545 (99.6%) exact matches, in which:
530 unique CDR3
12 unique J



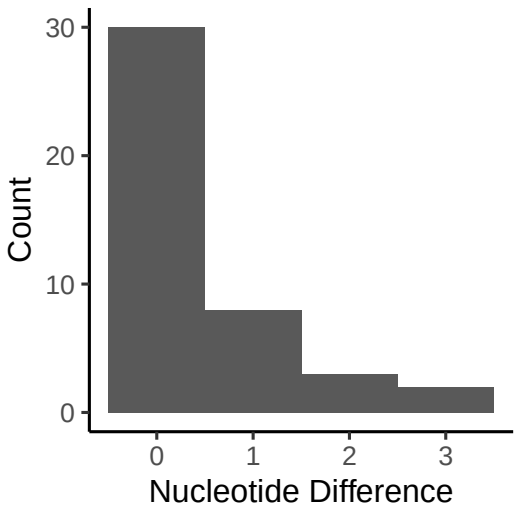
TRBV4−3*ap01

847 sequences assigned
833 (98.3%) exact matches, in which:
821 unique CDR3
12 unique J



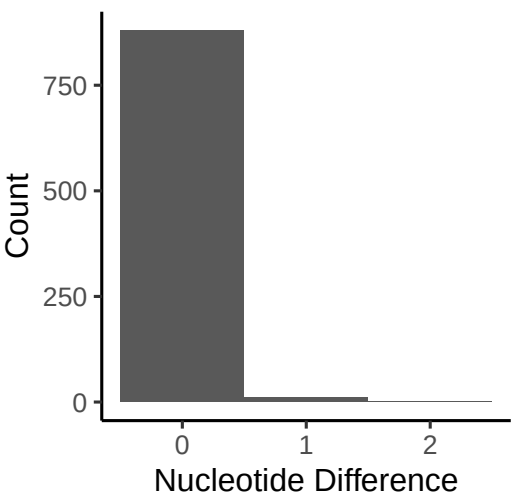
TRBV5−3*ap01

43 sequences assigned
30 (69.8%) exact matches, in which:
26 unique CDR3
10 unique J



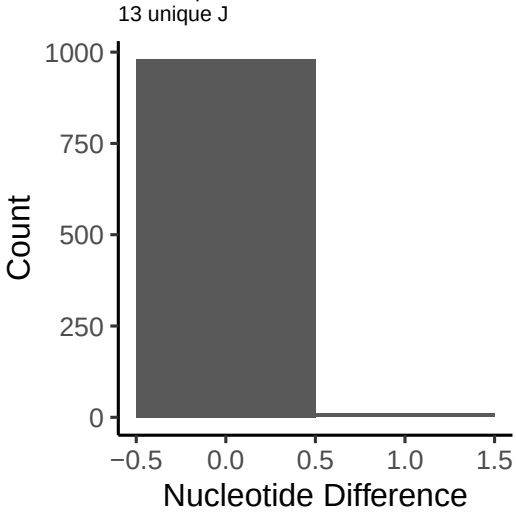
TRBV4−1*ap01

891 sequences assigned
880 (98.8%) exact matches, in which:
868 unique CDR3
13 unique J



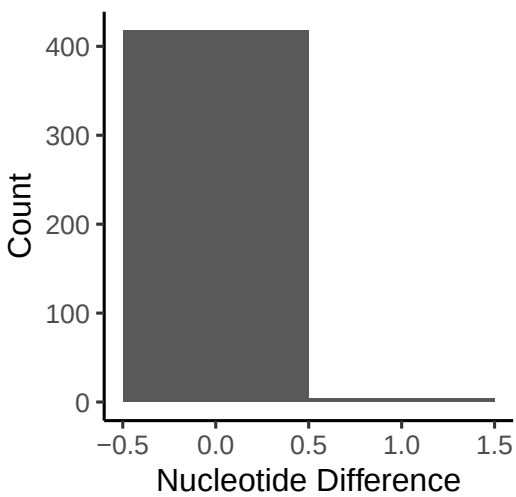
TRBV5−1*ap01

991 sequences assigned
981 (99%) exact matches, in which:
973 unique CDR3
13 unique J



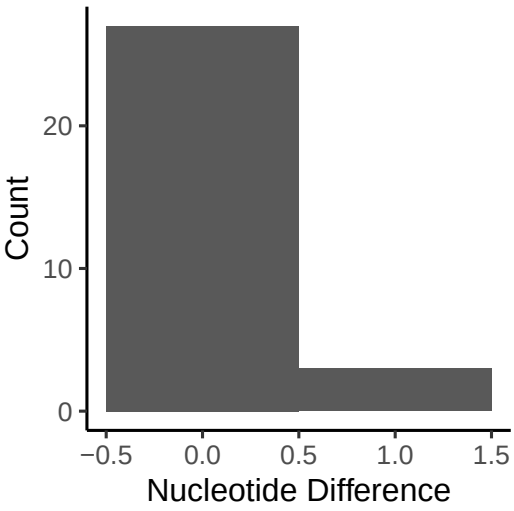
TRBV5−4*ap01

422 sequences assigned
418 (99.1%) exact matches, in which:
413 unique CDR3
13 unique J



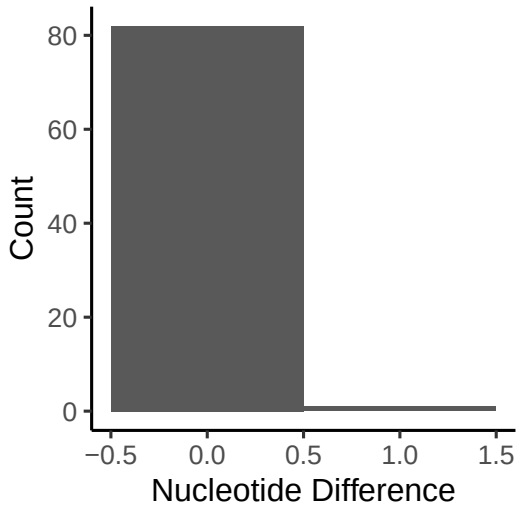
TRBV5−5*ap01

30 sequences assigned
27 (90%) exact matches, in which:
27 unique CDR3
9 unique J



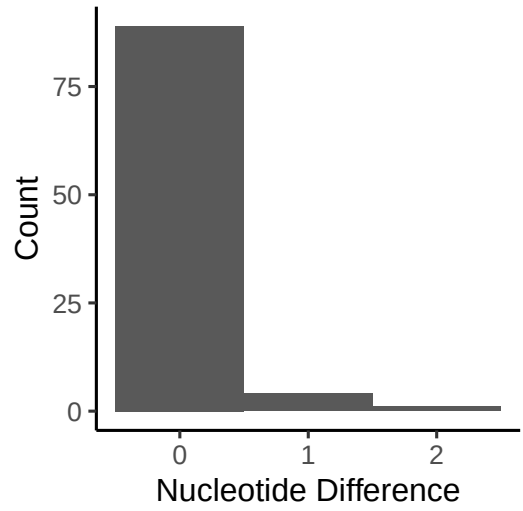
TRBV5−8*ap01

83 sequences assigned
82 (98.8%) exact matches, in which:
82 unique CDR3
11 unique J



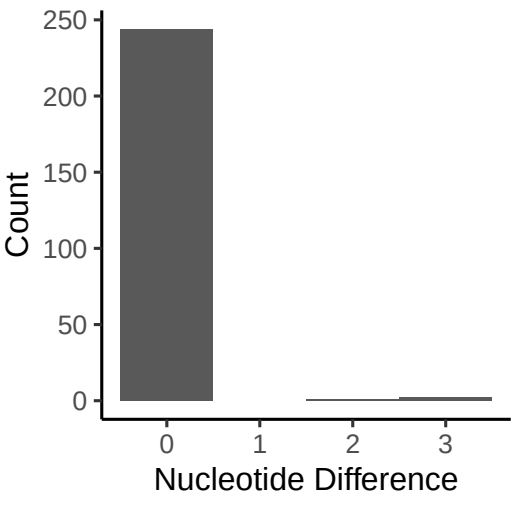
TRBV6−7*ap01

94 sequences assigned
89 (94.7%) exact matches, in which:
87 unique CDR3
12 unique J



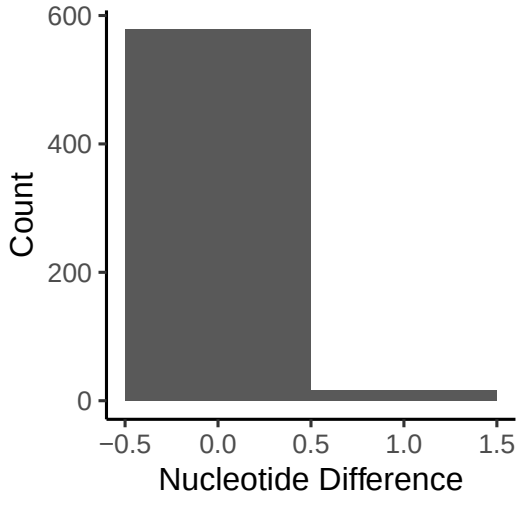
TRBV5−6*ap01

247 sequences assigned
244 (98.8%) exact matches, in which:
242 unique CDR3
12 unique J



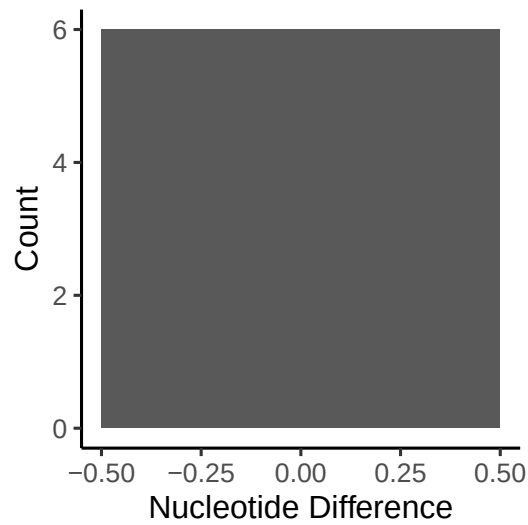
TRBV6−1*ap01

595 sequences assigned
579 (97.3%) exact matches, in which:
575 unique CDR3
12 unique J



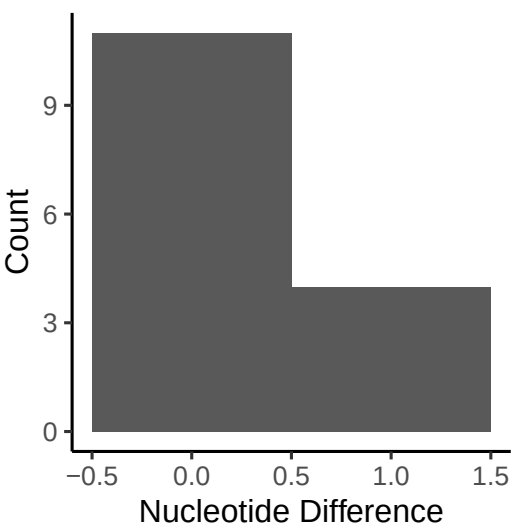
TRBV6−8*ap01

6 sequences assigned
6 (100%) exact matches, in which:
6 unique CDR3
6 unique J



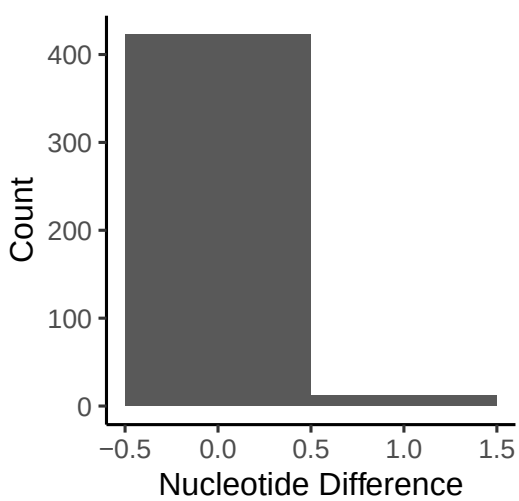
TRBV5−7*ap01

15 sequences assigned
11 (73.3%) exact matches, in which:
10 unique CDR3
5 unique J



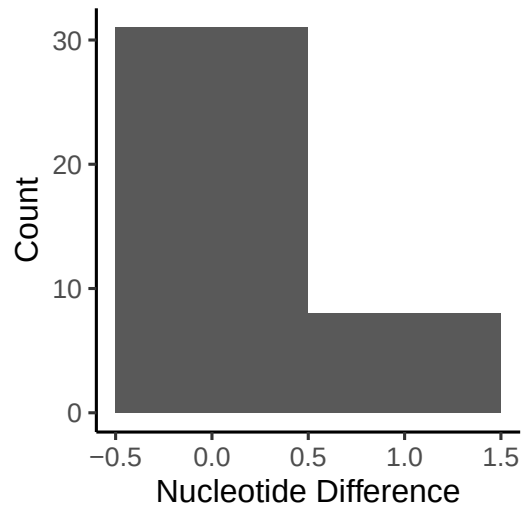
TRBV6−4*ap01

435 sequences assigned
423 (97.2%) exact matches, in which:
414 unique CDR3
13 unique J



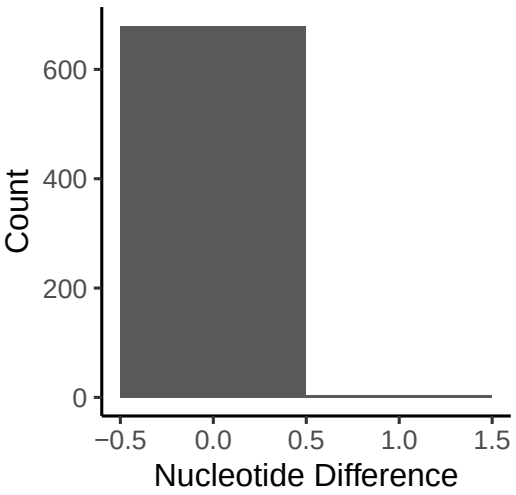
TRBV6−9*ap01

39 sequences assigned
31 (79.5%) exact matches, in which:
31 unique CDR3
10 unique J



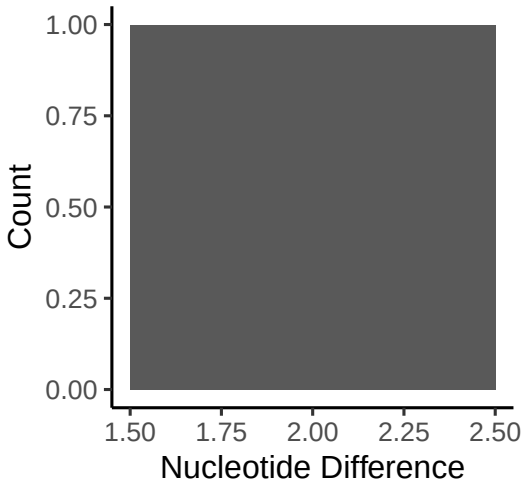
TRBV6−23*ap01

685 sequences assigned
680 (99.3%) exact matches, in which:
678 unique CDR3
12 unique J



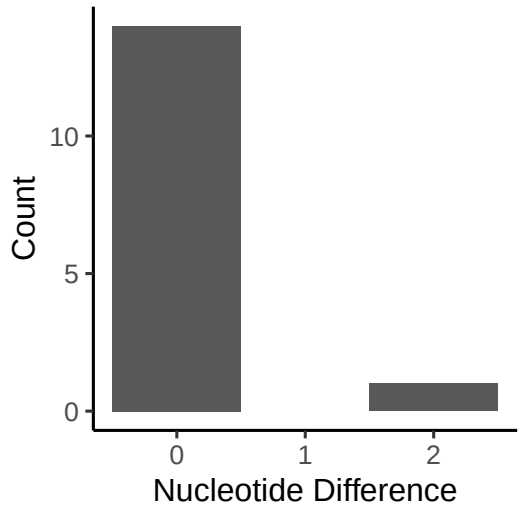
TRBV7−1*ap01

1 sequences assigned
No exact matches.



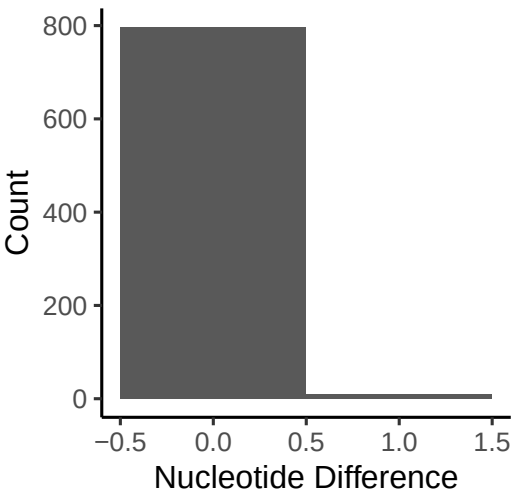
TRBV7−4*ap01

15 sequences assigned
14 (93.3%) exact matches, in which:
14 unique CDR3
7 unique J



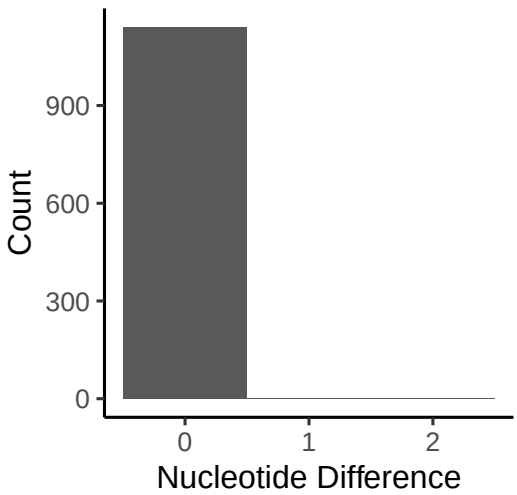
TRBV6−56*ap01

806 sequences assigned
797 (98.9%) exact matches, in which:
793 unique CDR3
13 unique J



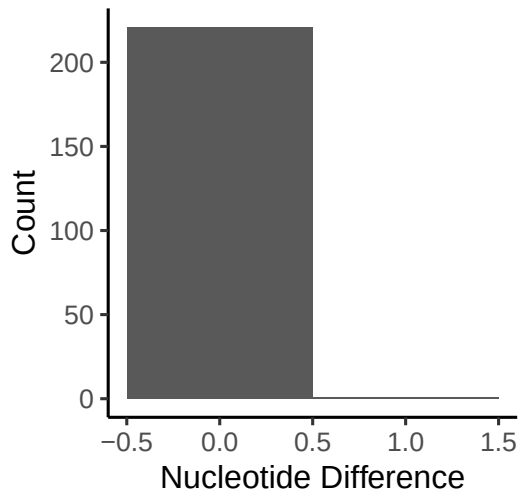
TRBV7−2*ap01

1144 sequences assigned
1141 (99.7%) exact matches, in which:
1133 unique CDR3
13 unique J



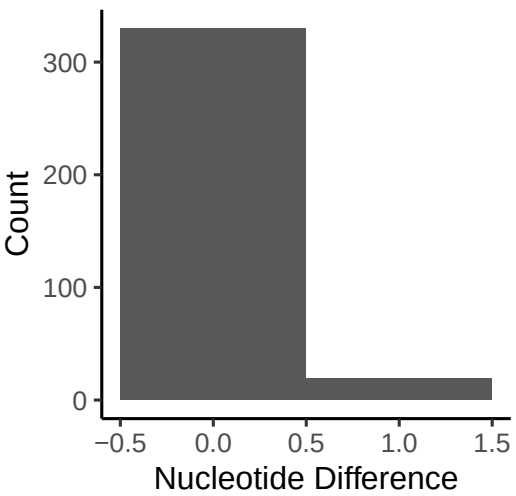
TRBV7−6*ap01

222 sequences assigned
221 (99.5%) exact matches, in which:
220 unique CDR3
12 unique J



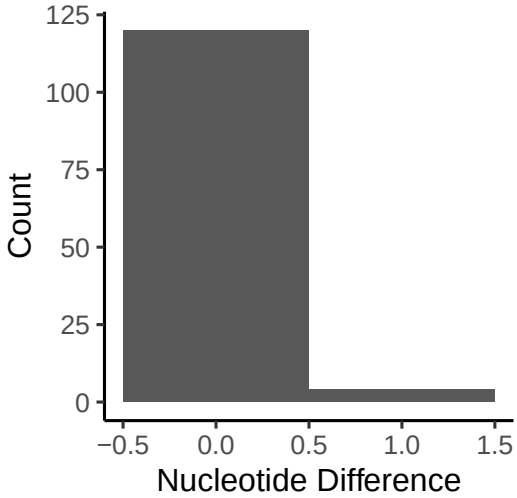
TRBV6−56*ap02

349 sequences assigned
330 (94.6%) exact matches, in which:
330 unique CDR3
13 unique J



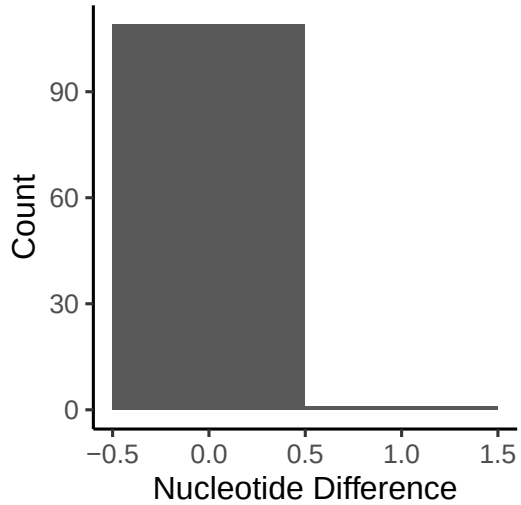
TRBV7−3*ap01

124 sequences assigned
120 (96.8%) exact matches, in which:
118 unique CDR3
11 unique J



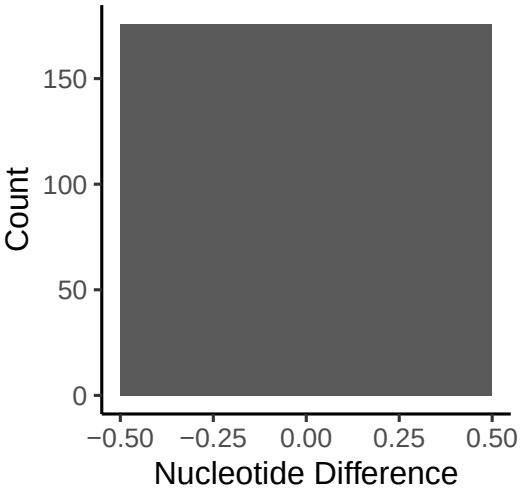
TRBV7−7*ap01_C315T

110 sequences assigned
109 (99.1%) exact matches, in which:
106 unique CDR3
10 unique J



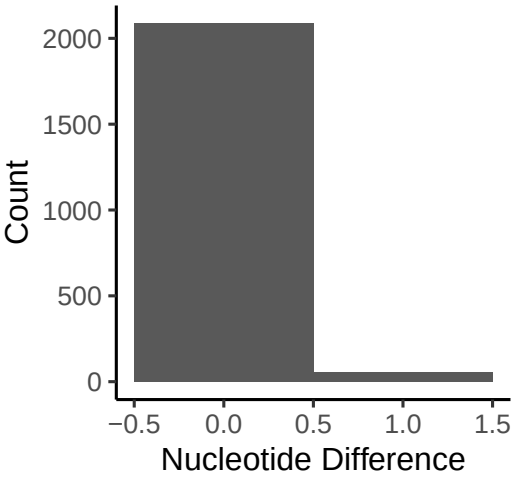
TRBV7−8*ap01

176 sequences assigned
176 (100%) exact matches, in which:
176 unique CDR3
12 unique J



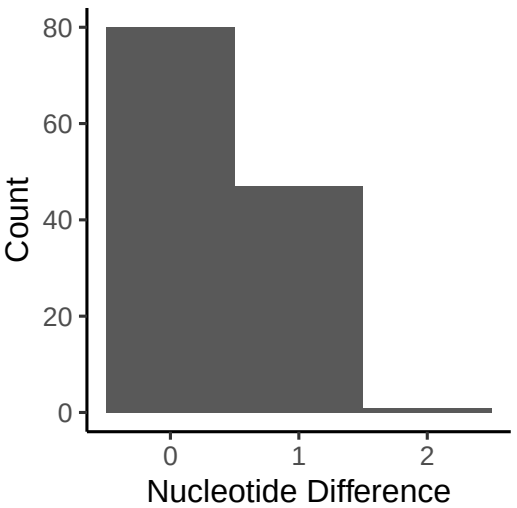
TRBV29−1*ap01

2141 sequences assigned
2087 (97.5%) exact matches, in which:
2021 unique CDR3
12 unique J



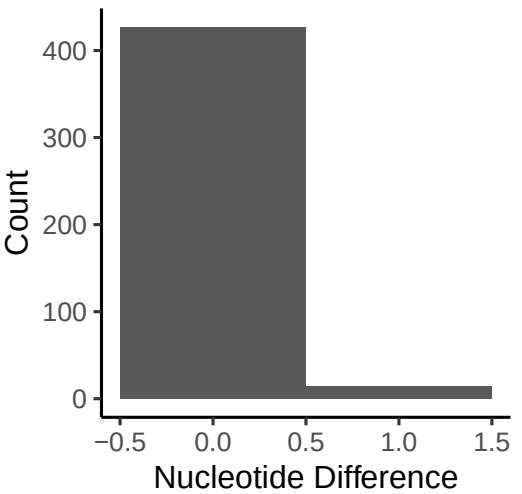
TRBV7−8*ap03

128 sequences assigned
80 (62.5%) exact matches, in which:
79 unique CDR3
11 unique J



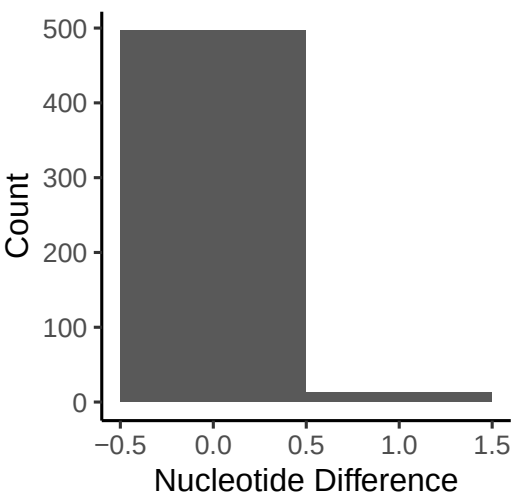
TRBV29−1*ap02

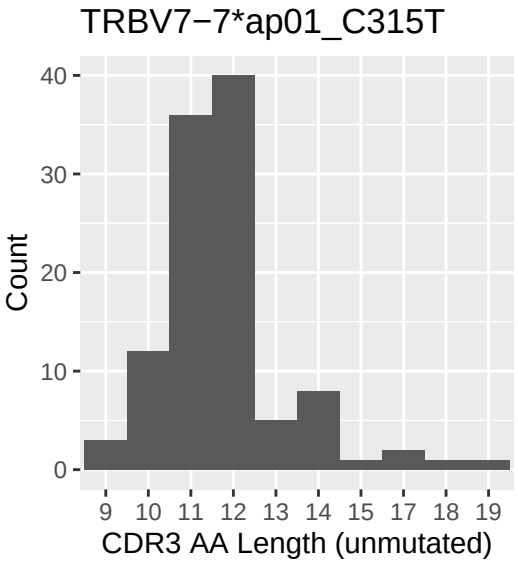
441 sequences assigned
427 (96.8%) exact matches, in which:
421 unique CDR3
12 unique J

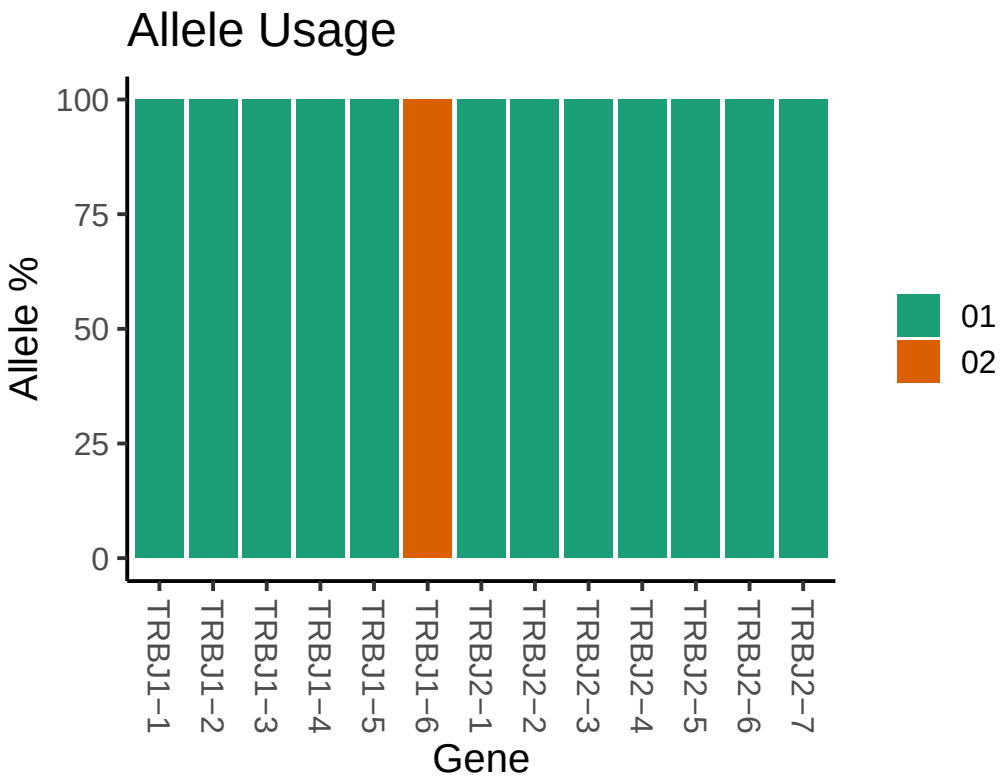


TRBV7−9*ap01

510 sequences assigned
497 (97.5%) exact matches, in which:
497 unique CDR3
11 unique J




TRBV7−7*ap01_C315T
Count
40
30
20
10
0
9
10
11
12
13
14
15
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
Gene
01
02

Warning − no inferred sequences found.

Warning − no inferred sequences found.

Warning − no inferred sequences found.