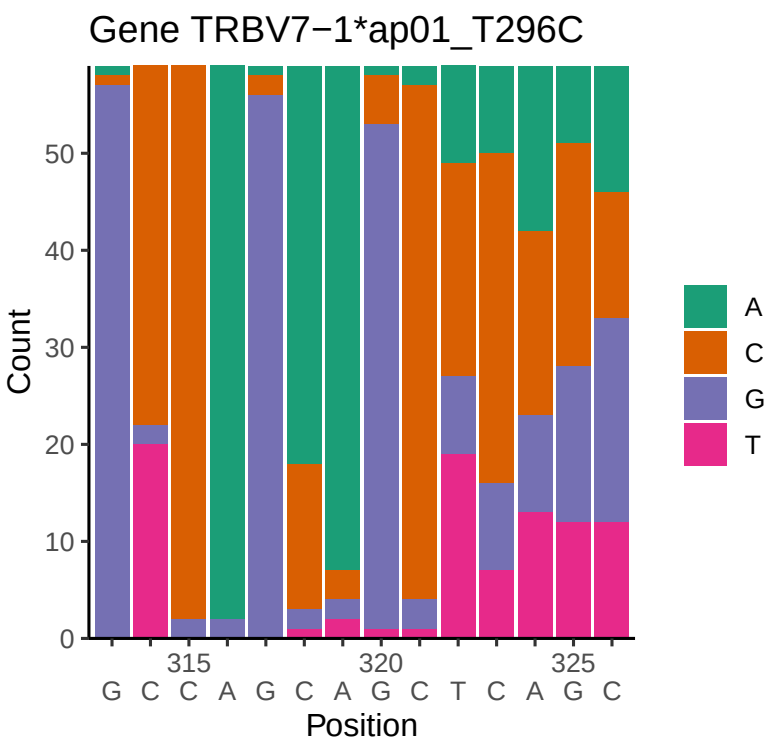
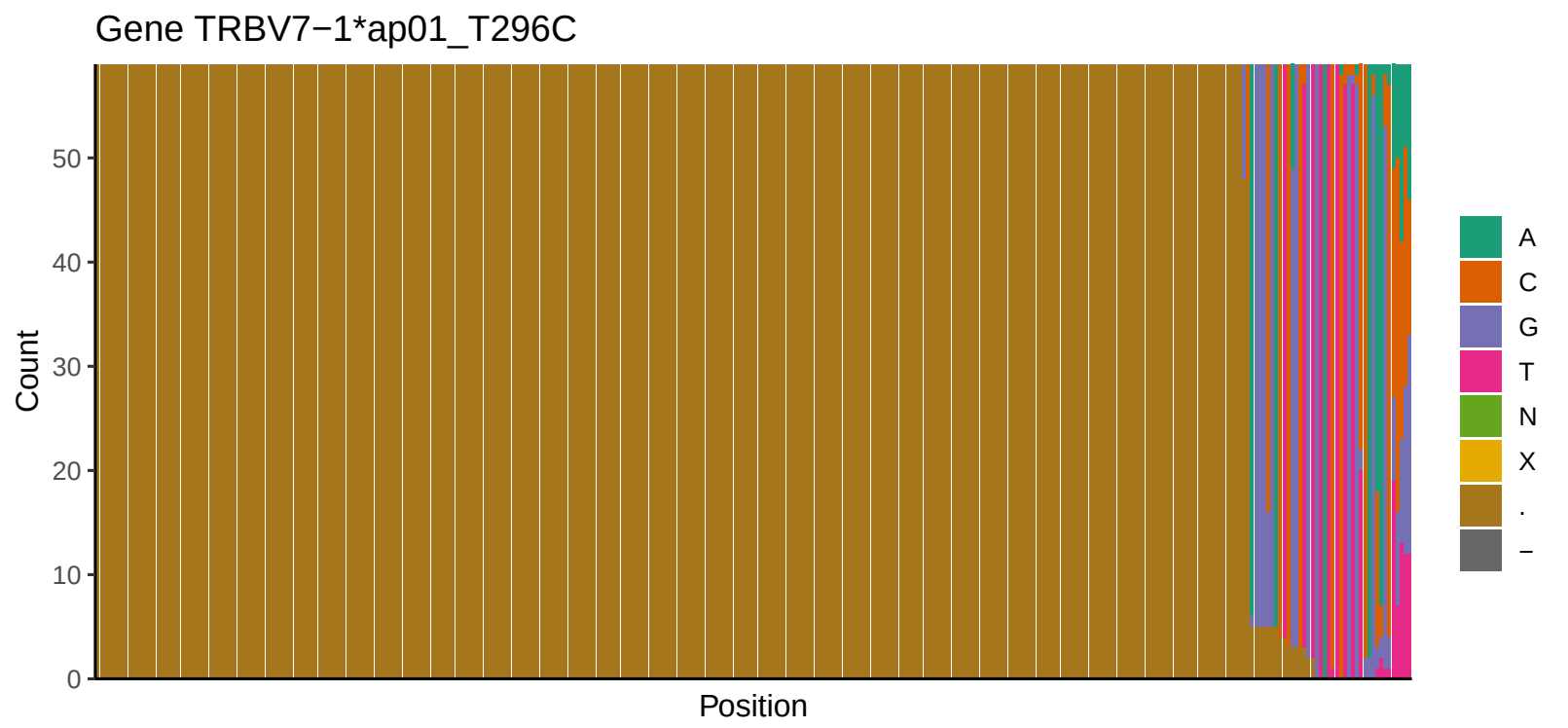
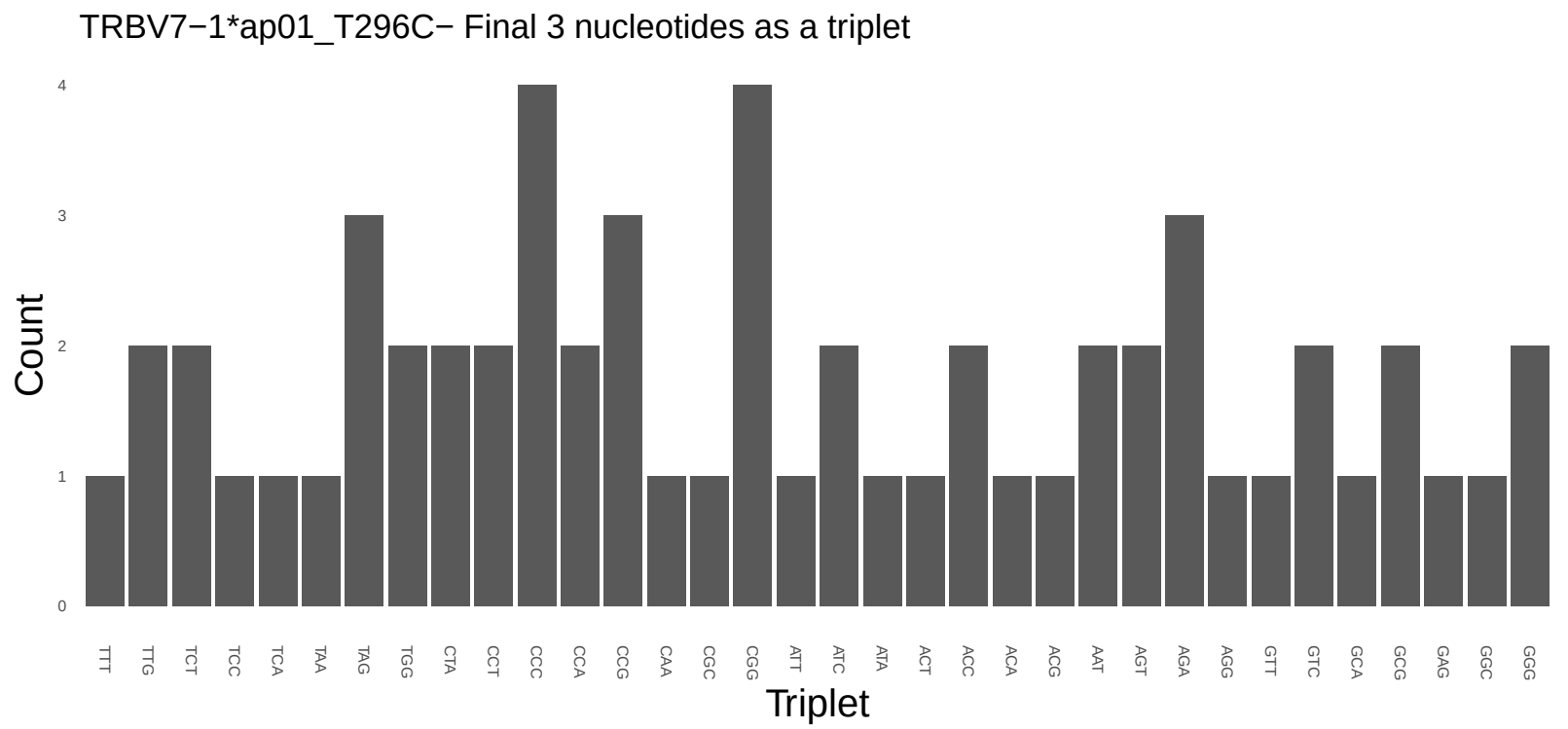
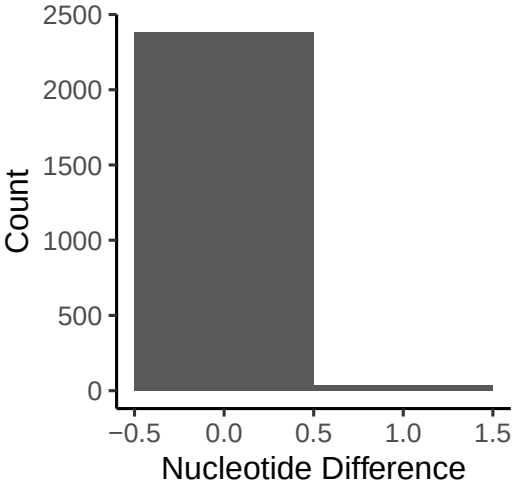

Gene TRBV7−1*ap01_T296C
Count
0
10
20
30
40
50
315
320
325
G C C A G C A G C T C A G C
Position
A
C
G
T


Gene TRBV7−1*ap01_T296C
Count
0
10
20
30
40
50
Position
A
C
G
T
N
X
.
–


TRBV7−1*ap01_T296C− Final 3 nucleotides as a triplet
Count
0
1
2
3
4
TTT
TTG
TCT
TCC
TCA
TAA
TAG
TGG
CTA
CCT
CCC
CCA
CCG
CAA
CGC
CGG
ATT
ATC
ATA
ACT
ACC
ACA
ACG
AAT
AGT
AGA
AGG
GTT
GTC
GCA
GCG
GAG
GGC
GGG
Triplet

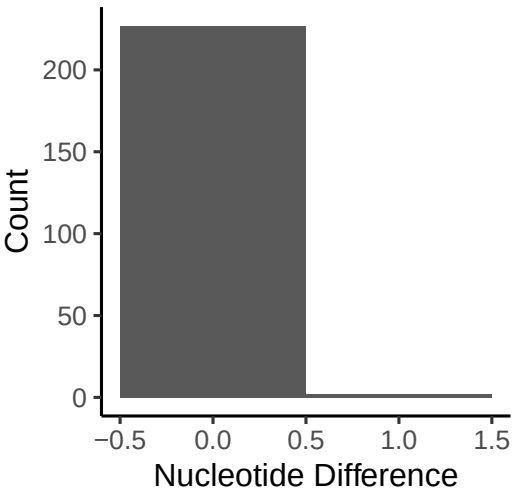
TRBV20−1*ap01

2419 sequences assigned
2381 (98.4%) exact matches, in which:
2338 unique CDR3
13 unique J



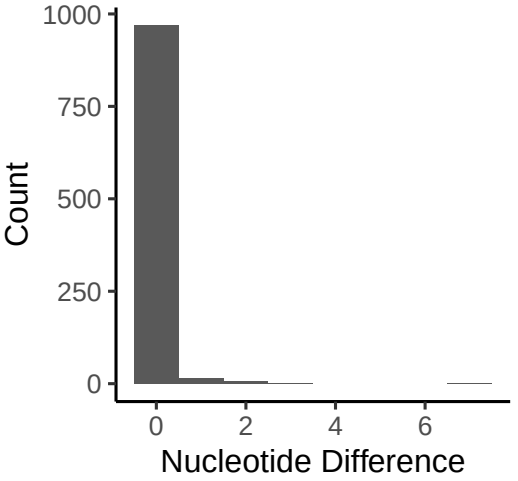
TRBV10−2*ap01

229 sequences assigned
227 (99.1%) exact matches, in which:
223 unique CDR3
13 unique J



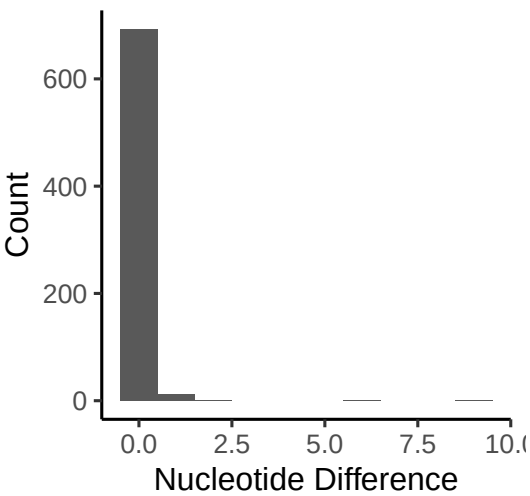
TRBV13*ap01

994 sequences assigned
969 (97.5%) exact matches, in which:
928 unique CDR3
13 unique J



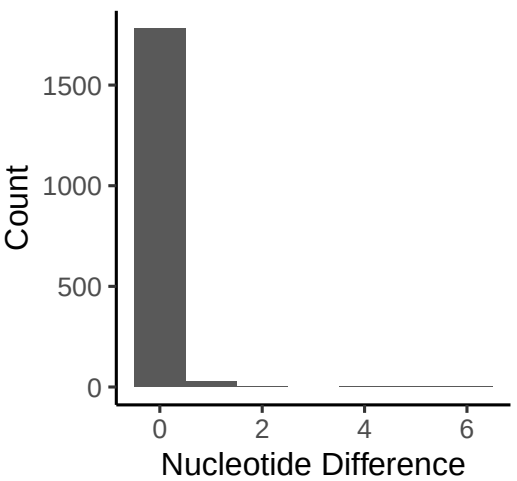
TRBV10−1*ap01

709 sequences assigned
693 (97.7%) exact matches, in which:
670 unique CDR3
13 unique J



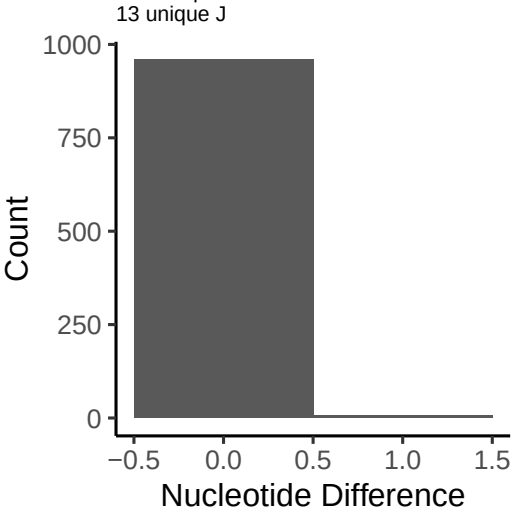
TRBV10−3*ap01

1813 sequences assigned
1780 (98.2%) exact matches, in which:
1727 unique CDR3
13 unique J



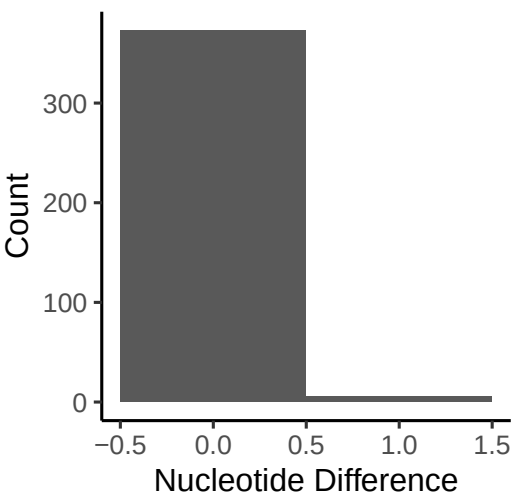
TRBV14*ap01

967 sequences assigned
959 (99.2%) exact matches, in which:
938 unique CDR3
13 unique J



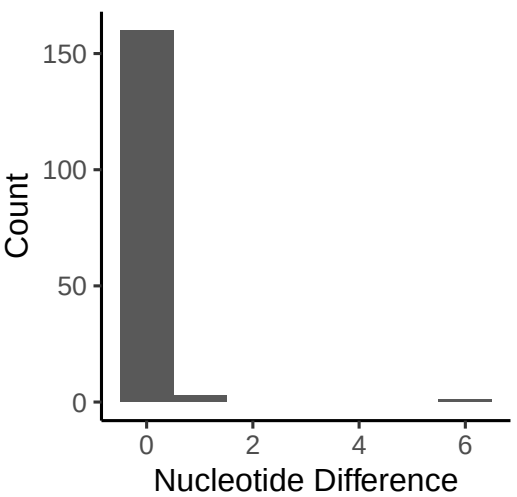
TRBV20−1*ap02

379 sequences assigned
373 (98.4%) exact matches, in which:
364 unique CDR3
13 unique J



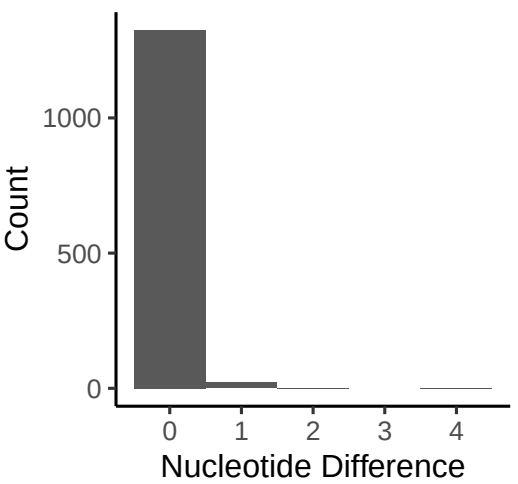
TRBV1*ap01

164 sequences assigned
160 (97.6%) exact matches, in which:
152 unique CDR3
13 unique J



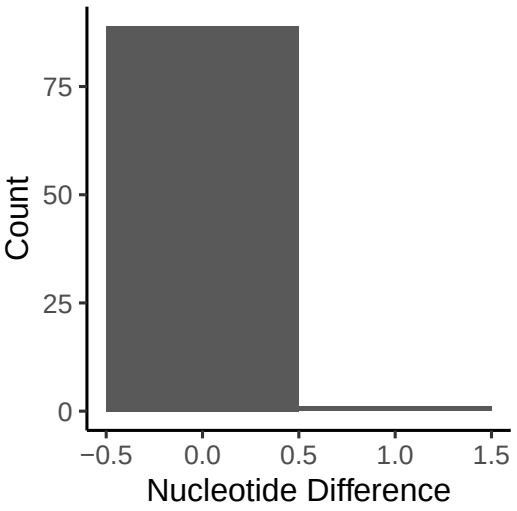
TRBV15*ap02

1348 sequences assigned
1325 (98.3%) exact matches, in which:
1280 unique CDR3
13 unique J



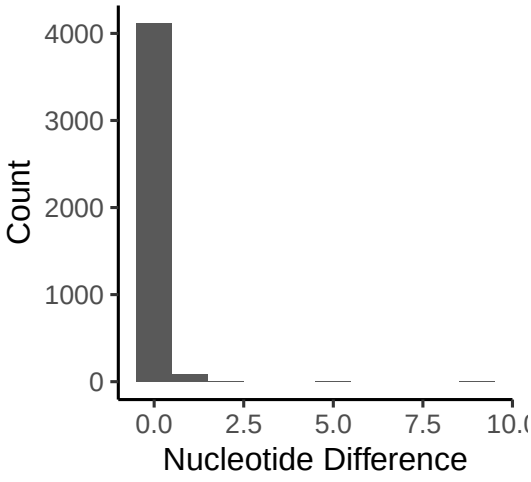
TRBV16*ap01

90 sequences assigned
89 (98.9%) exact matches, in which:
88 unique CDR3
11 unique J



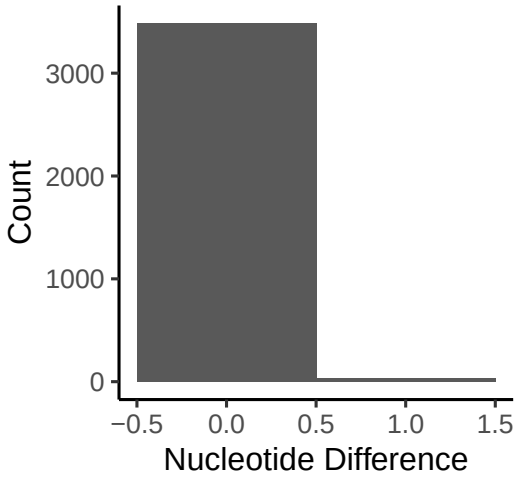
TRBV19*ap01

4201 sequences assigned
4115 (98%) exact matches, in which:
4027 unique CDR3
13 unique J



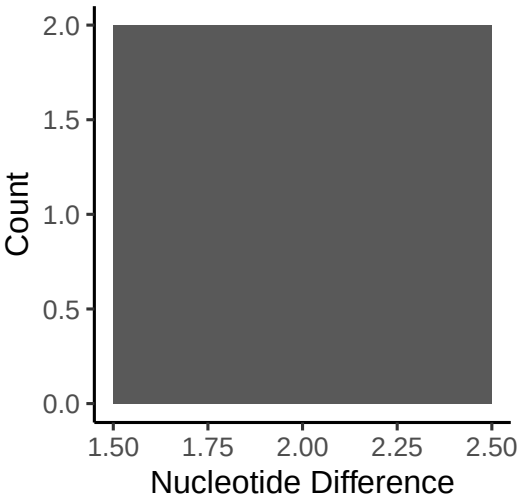
TRBV28*ap01

3520 sequences assigned
3484 (99%) exact matches, in which:
3400 unique CDR3
13 unique J



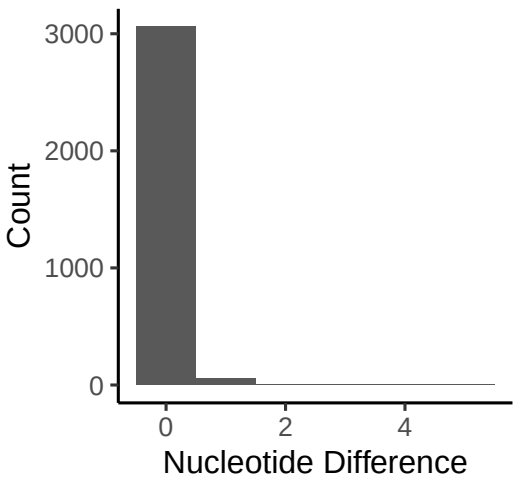
TRBV17*ap01

2 sequences assigned
No exact matches.



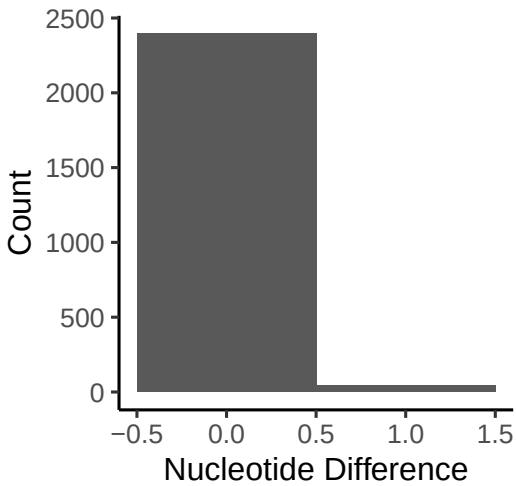
TRBV2*ap01

3118 sequences assigned
3060 (98.1%) exact matches, in which:
2973 unique CDR3
13 unique J



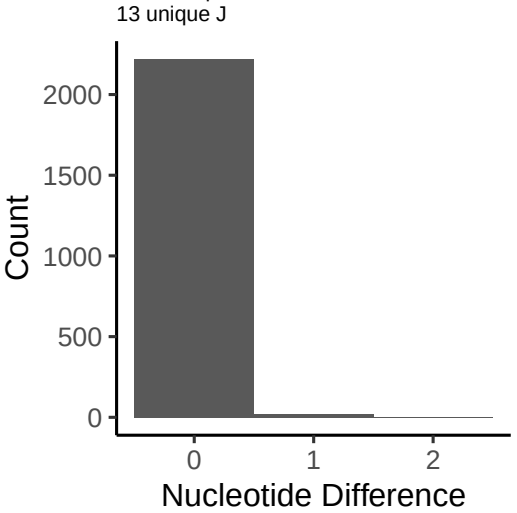
TRBV30*ap01

2436 sequences assigned
2395 (98.3%) exact matches, in which:
2326 unique CDR3
13 unique J



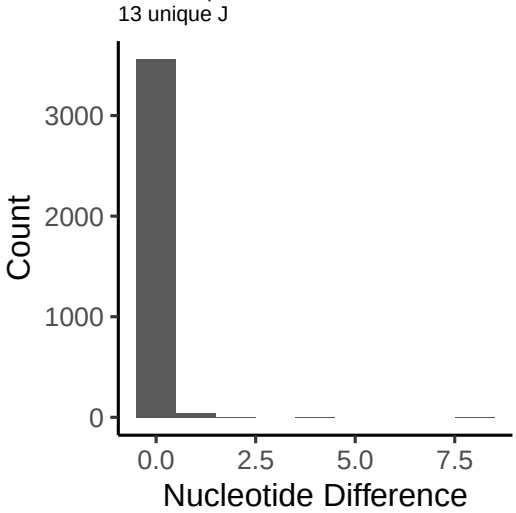
TRBV18*ap01

2242 sequences assigned
2220 (99%) exact matches, in which:
2178 unique CDR3
13 unique J



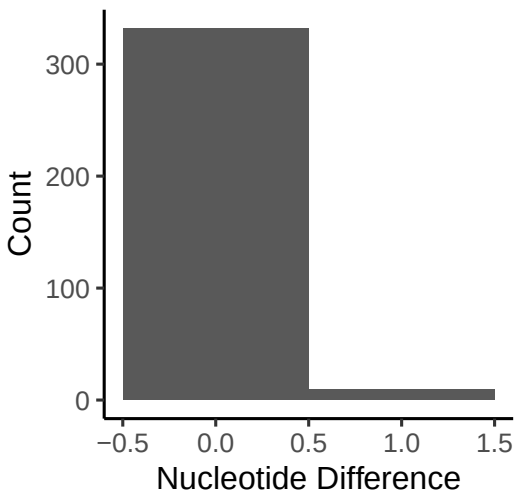
TRBV27*ap01

3613 sequences assigned
3562 (98.6%) exact matches, in which:
3464 unique CDR3
13 unique J



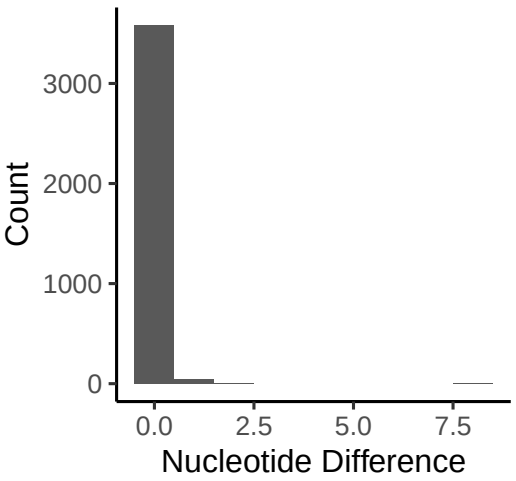
TRBV30*ap03

341 sequences assigned
332 (97.4%) exact matches, in which:
320 unique CDR3
13 unique J



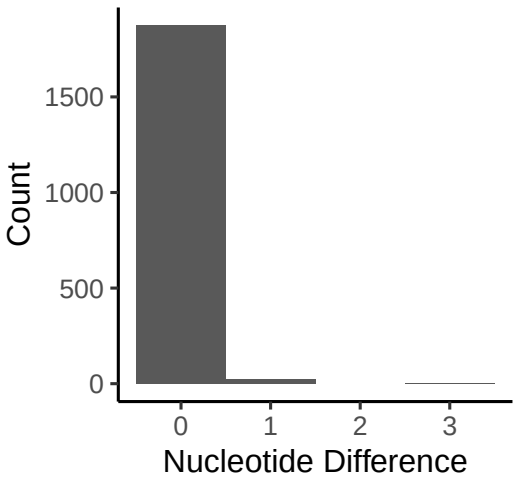
TRBV9*ap01

3627 sequences assigned
3580 (98.7%) exact matches, in which:
3486 unique CDR3
13 unique J



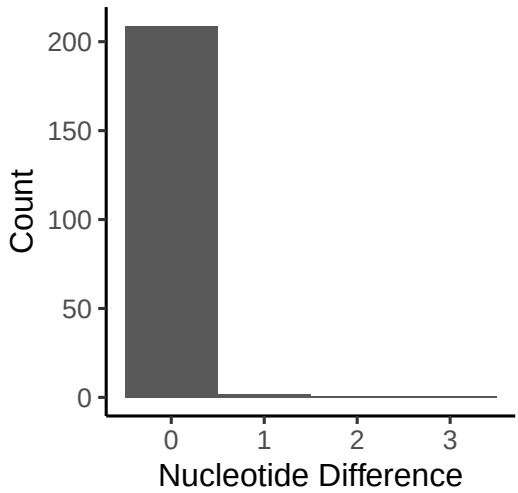
TRBV11−2*ap01

1901 sequences assigned
1874 (98.6%) exact matches, in which:
1818 unique CDR3
13 unique J



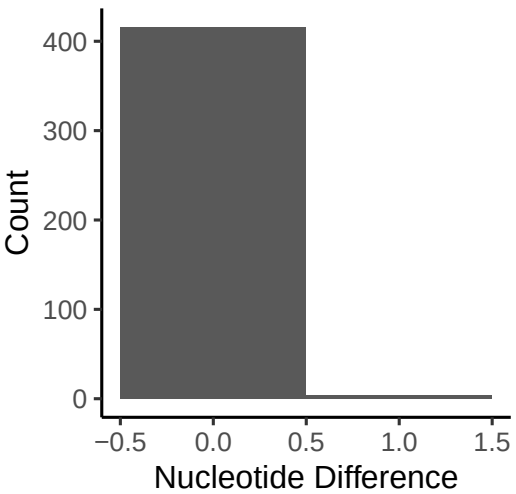
TRBV12−2*ap01

213 sequences assigned
209 (98.1%) exact matches, in which:
203 unique CDR3
13 unique J



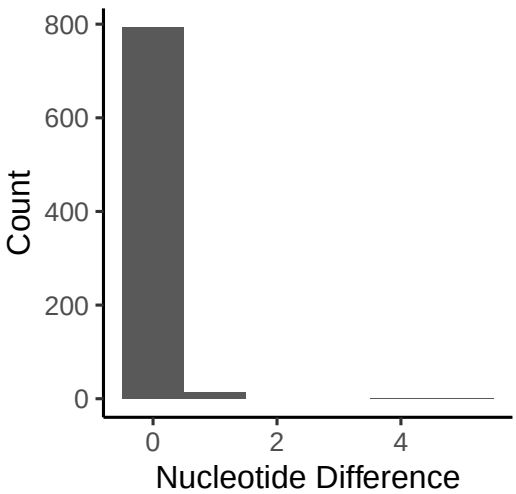
TRBV11−1*ap01

420 sequences assigned
416 (99%) exact matches, in which:
401 unique CDR3
13 unique J



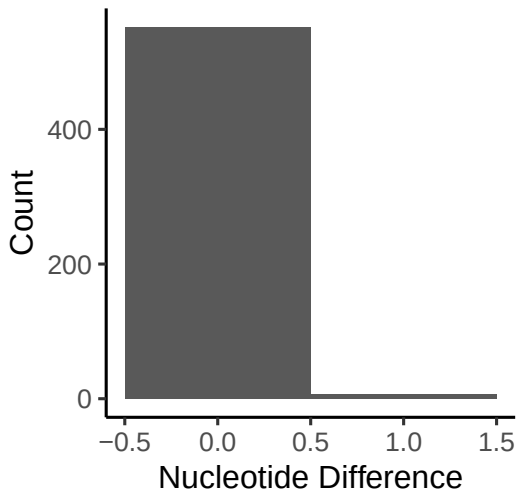
TRBV11−3*ap01

810 sequences assigned
794 (98%) exact matches, in which:
779 unique CDR3
13 unique J



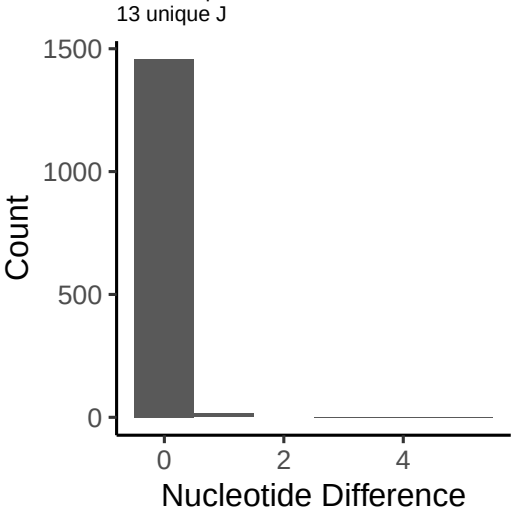
TRBV12−5*ap01

559 sequences assigned
552 (98.7%) exact matches, in which:
540 unique CDR3
13 unique J



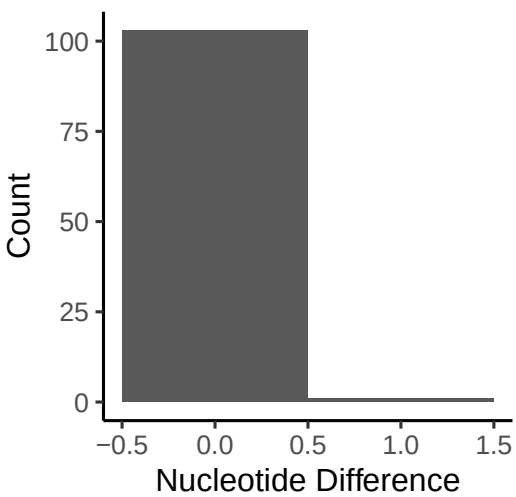
TRBV21−1*ap01

1477 sequences assigned
1458 (98.7%) exact matches, in which:
1429 unique CDR3
13 unique J



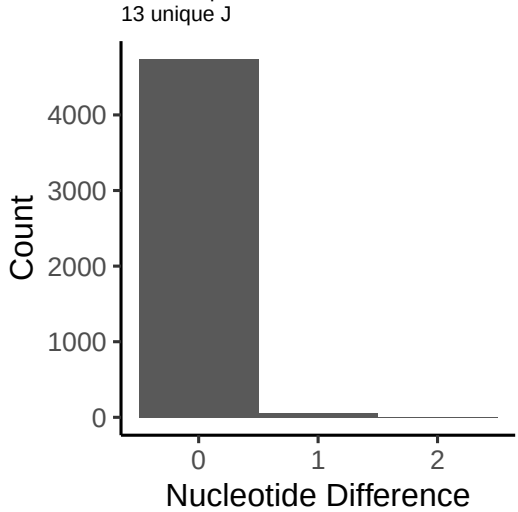
TRBV12−1*ap01

104 sequences assigned
103 (99%) exact matches, in which:
96 unique CDR3
11 unique J



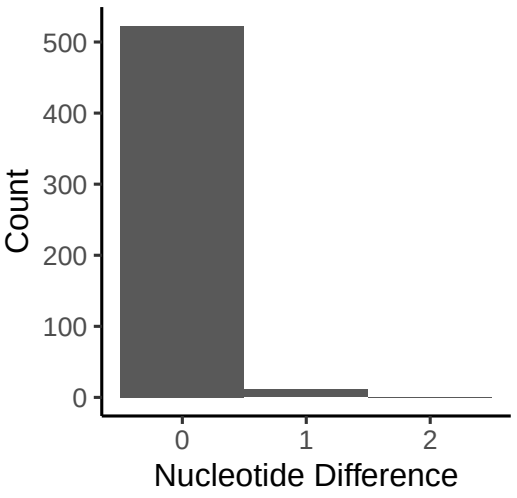
TRBV12−34*ap01

4801 sequences assigned
4739 (98.7%) exact matches, in which:
4618 unique CDR3
13 unique J



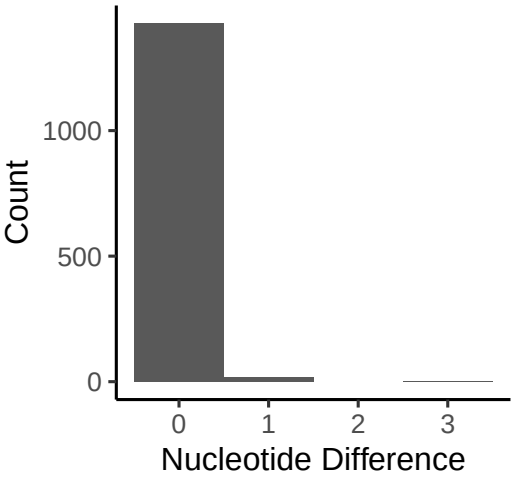
TRBV23−1*ap01

535 sequences assigned
523 (97.8%) exact matches, in which:
515 unique CDR3
13 unique J



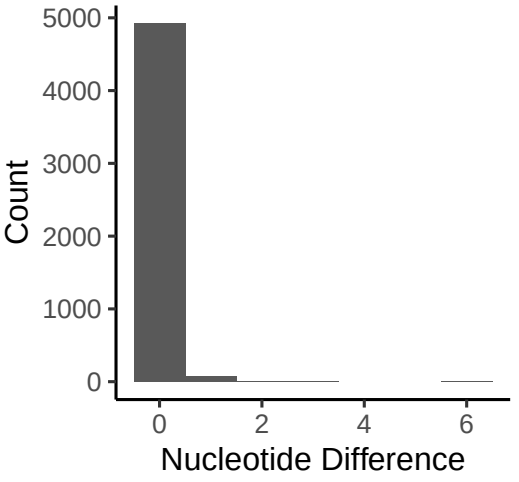
TRBV24−1*ap01

1447 sequences assigned
1427 (98.6%) exact matches, in which:
1398 unique CDR3
13 unique J



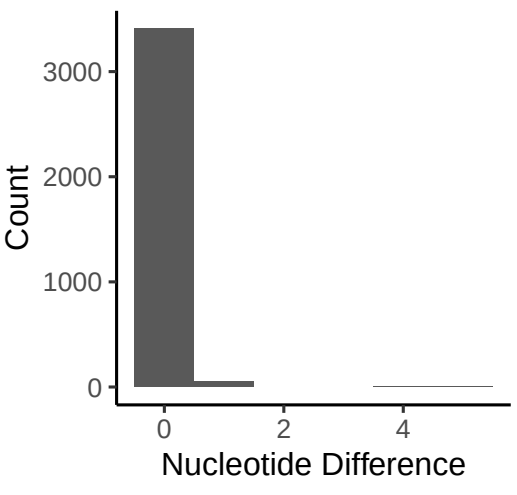
TRBV5−1*ap01

5000 sequences assigned
4923 (98.5%) exact matches, in which:
4732 unique CDR3
13 unique J



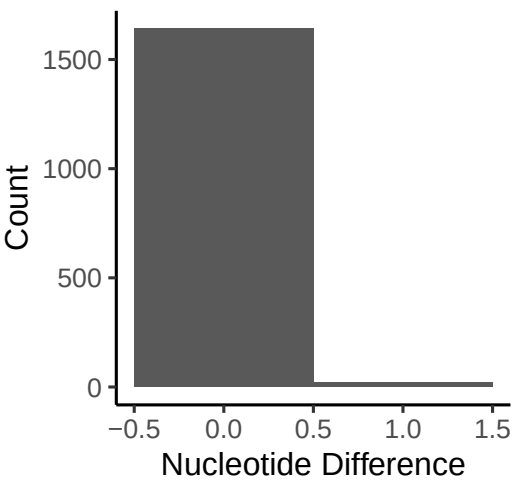
TRBV3−12*ap01

3459 sequences assigned
3408 (98.5%) exact matches, in which:
3318 unique CDR3
13 unique J



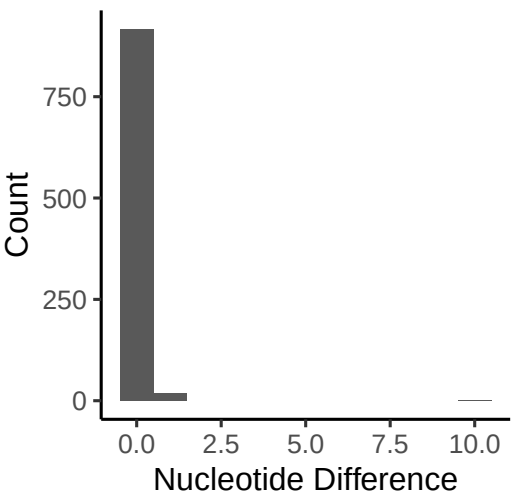
TRBV4−2*ap01

1662 sequences assigned
1641 (98.7%) exact matches, in which:
1596 unique CDR3
13 unique J



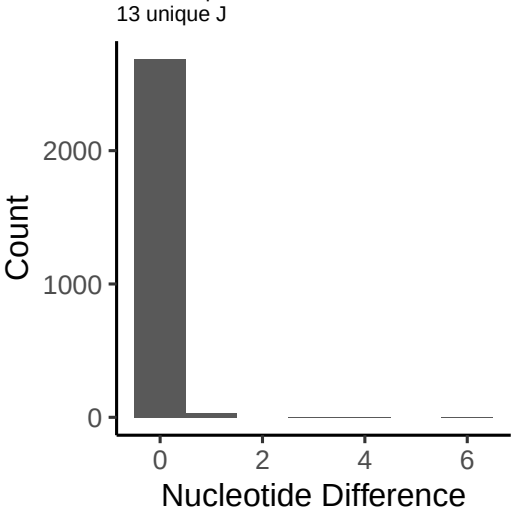
TRBV25−1*ap01

937 sequences assigned
917 (97.9%) exact matches, in which:
884 unique CDR3
13 unique J



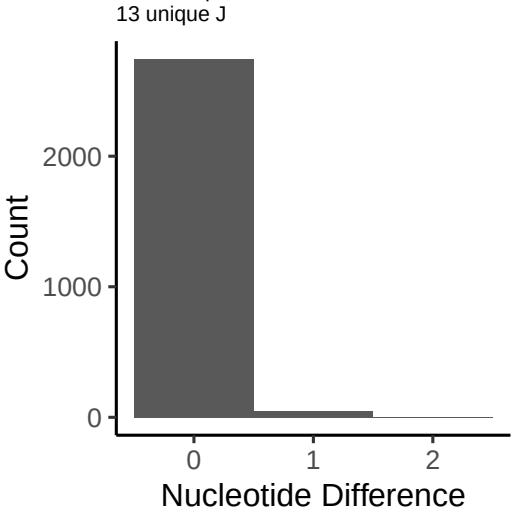
TRBV4−1*ap01

2721 sequences assigned
2687 (98.8%) exact matches, in which:
2578 unique CDR3
13 unique J



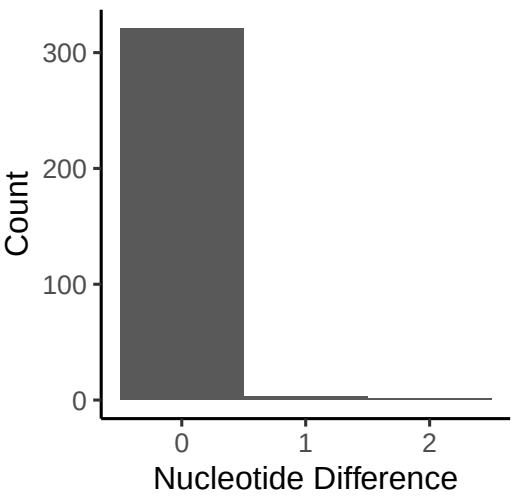
TRBV4−3*ap01

2792 sequences assigned
2744 (98.3%) exact matches, in which:
2670 unique CDR3
13 unique J



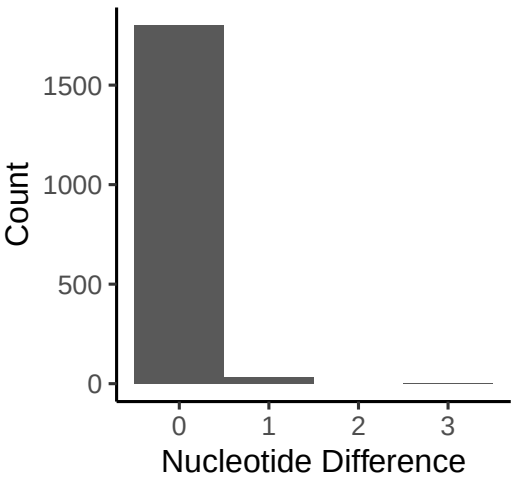
TRBV5−3*ap01

325 sequences assigned
321 (98.8%) exact matches, in which:
309 unique CDR3
13 unique J



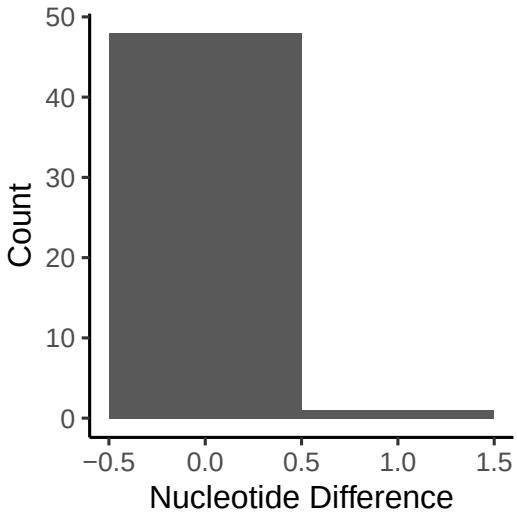
TRBV5−4*ap01

1835 sequences assigned
1800 (98.1%) exact matches, in which:
1745 unique CDR3
13 unique J



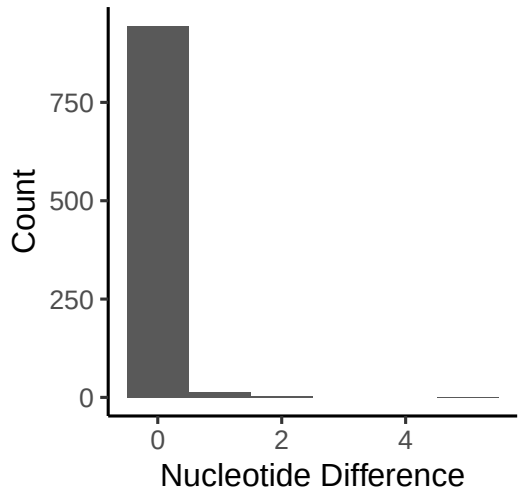
TRBV5−7*ap01

49 sequences assigned
48 (98%) exact matches, in which:
47 unique CDR3
11 unique J



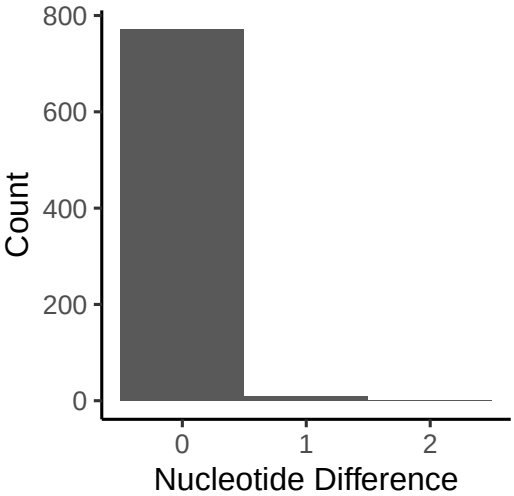
TRBV6−4*ap01

963 sequences assigned
945 (98.1%) exact matches, in which:
930 unique CDR3
13 unique J



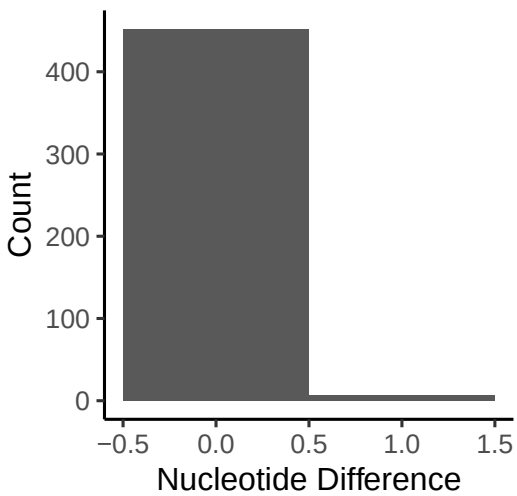
TRBV5−5*ap01

782 sequences assigned
772 (98.7%) exact matches, in which:
754 unique CDR3
13 unique J



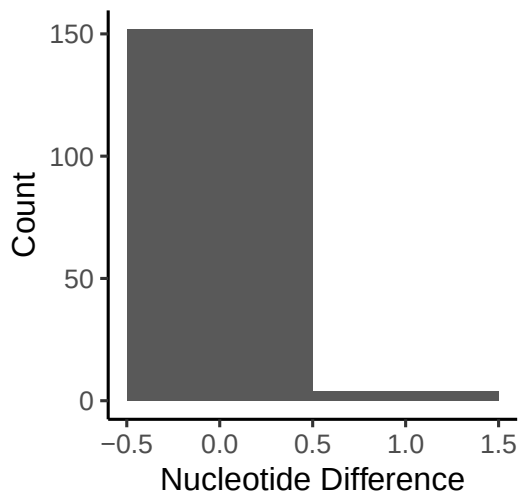
TRBV5−8*ap01

459 sequences assigned
452 (98.5%) exact matches, in which:
440 unique CDR3
13 unique J



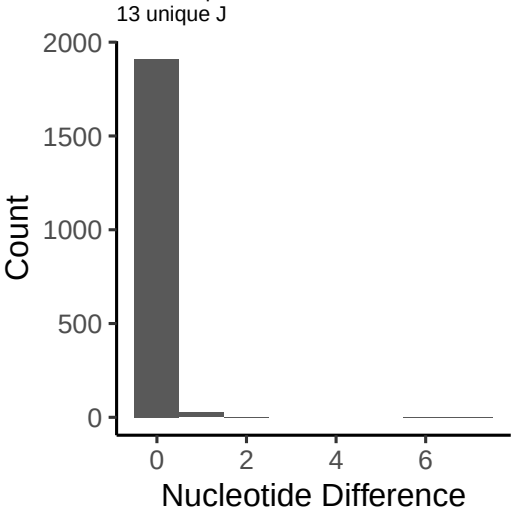
TRBV6−7*ap01

156 sequences assigned
152 (97.4%) exact matches, in which:
148 unique CDR3
13 unique J



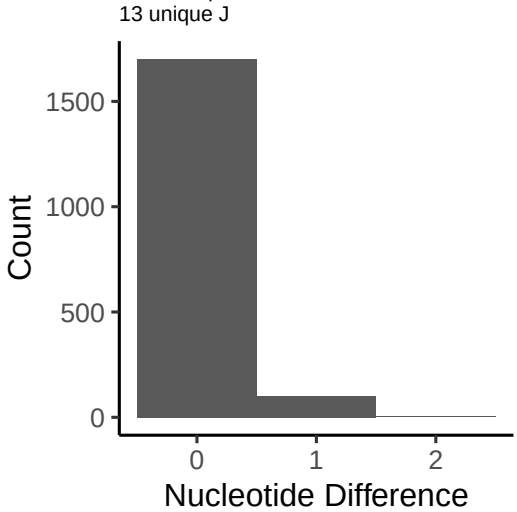
TRBV5−6*ap01

1939 sequences assigned
1910 (98.5%) exact matches, in which:
1839 unique CDR3
13 unique J



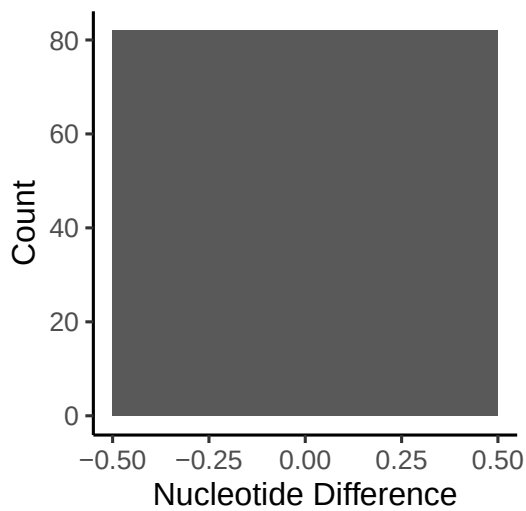
TRBV6−1*ap01

1804 sequences assigned
1701 (94.3%) exact matches, in which:
1636 unique CDR3
13 unique J



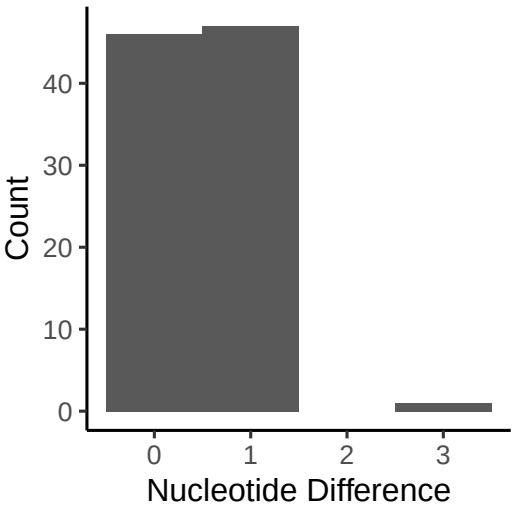
TRBV6−8*ap01

82 sequences assigned
82 (100%) exact matches, in which:
79 unique CDR3
13 unique J



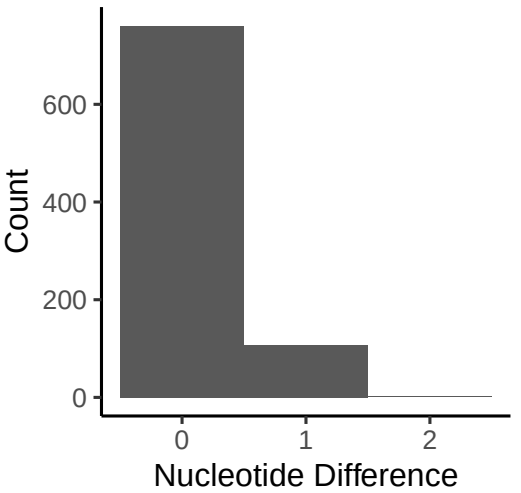
TRBV6−9*ap01

94 sequences assigned
46 (48.9%) exact matches, in which:
46 unique CDR3
10 unique J



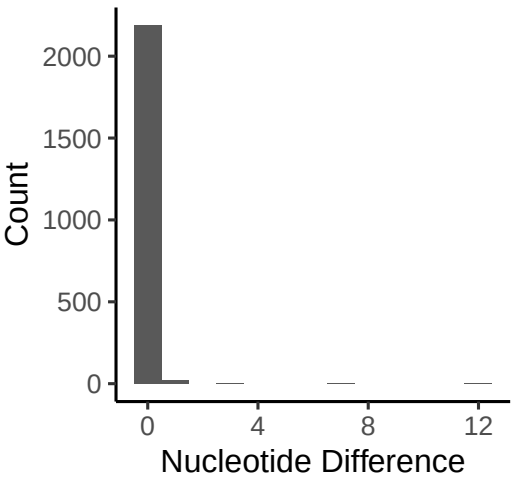
TRBV6−56*ap02

870 sequences assigned
761 (87.5%) exact matches, in which:
735 unique CDR3
13 unique J



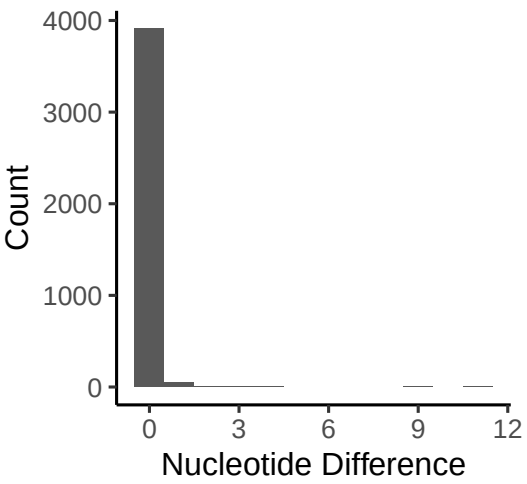
TRBV7−3*ap01

2212 sequences assigned
2188 (98.9%) exact matches, in which:
2133 unique CDR3
13 unique J



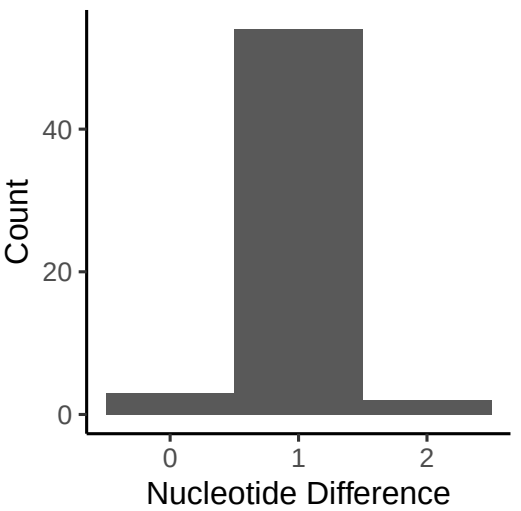
TRBV6−23*ap01

3968 sequences assigned
3910 (98.5%) exact matches, in which:
3768 unique CDR3
13 unique J



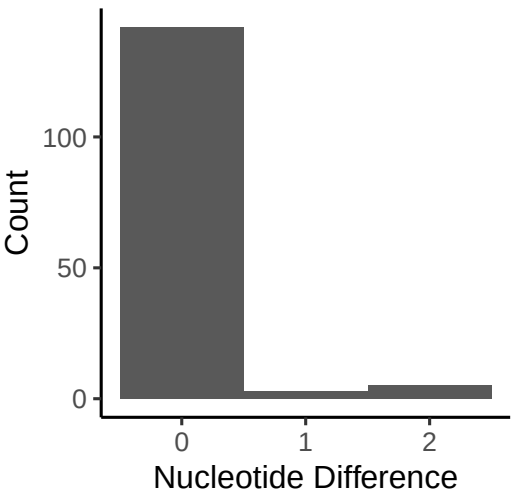
TRBV7−1*ap01_T296C

59 sequences assigned
3 (5.1%) exact matches, in which:
3 unique CDR3
2 unique J



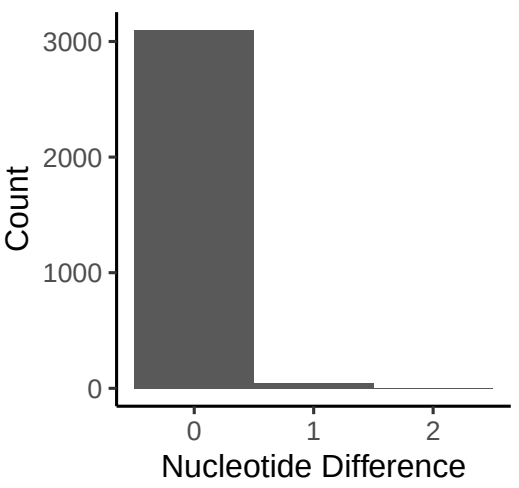
TRBV7−4*ap01

150 sequences assigned
142 (94.7%) exact matches, in which:
139 unique CDR3
13 unique J



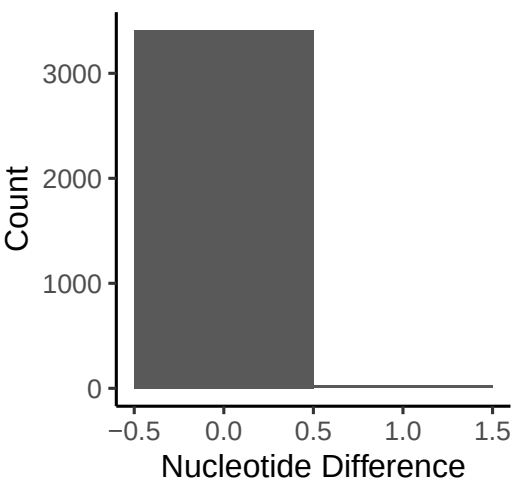
TRBV6−56*ap01

3148 sequences assigned
3099 (98.4%) exact matches, in which:
2988 unique CDR3
13 unique J



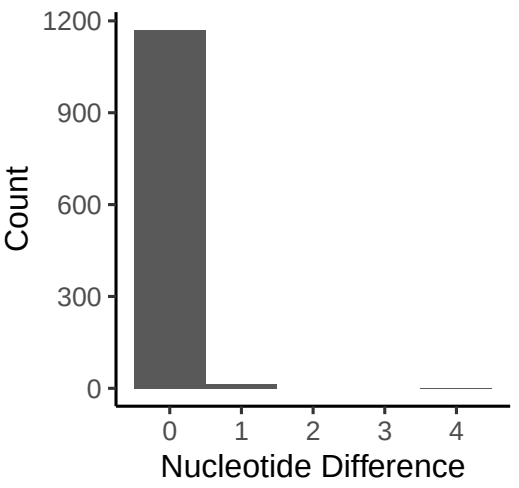
TRBV7−2*ap01

3438 sequences assigned
3412 (99.2%) exact matches, in which:
3330 unique CDR3
13 unique J



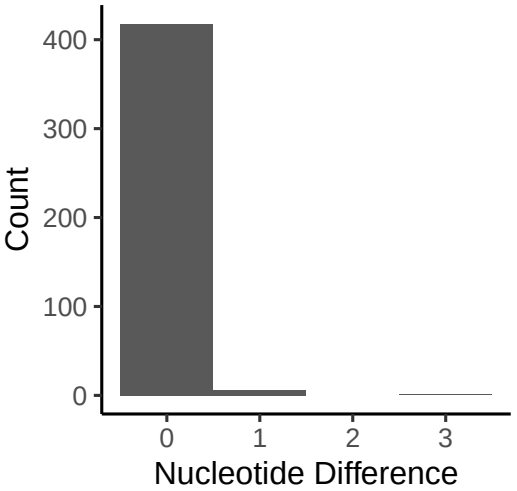
TRBV7−6*ap01

1187 sequences assigned
1170 (98.6%) exact matches, in which:
1145 unique CDR3
13 unique J



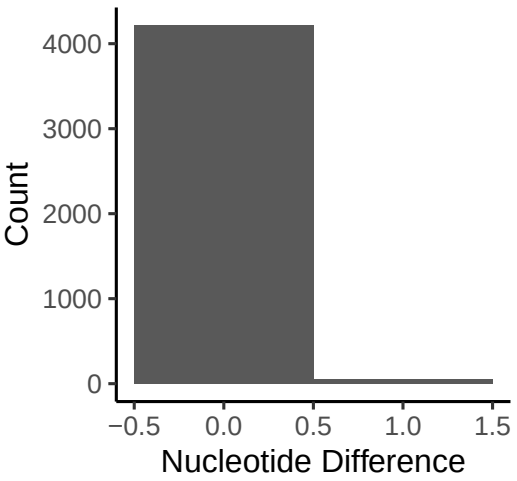
TRBV7−7*ap01

425 sequences assigned
418 (98.4%) exact matches, in which:
409 unique CDR3
13 unique J



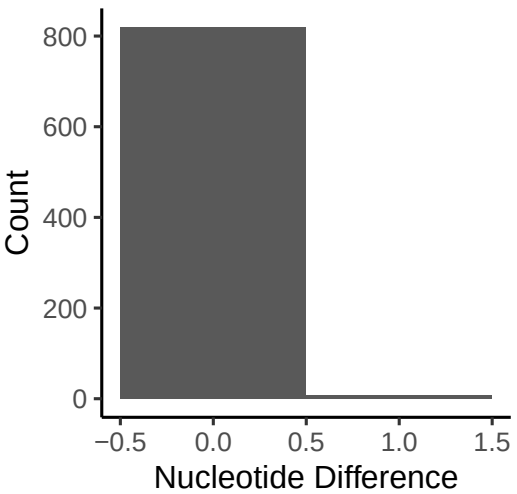
TRBV7−9*ap01

4266 sequences assigned
4215 (98.8%) exact matches, in which:
4084 unique CDR3
13 unique J



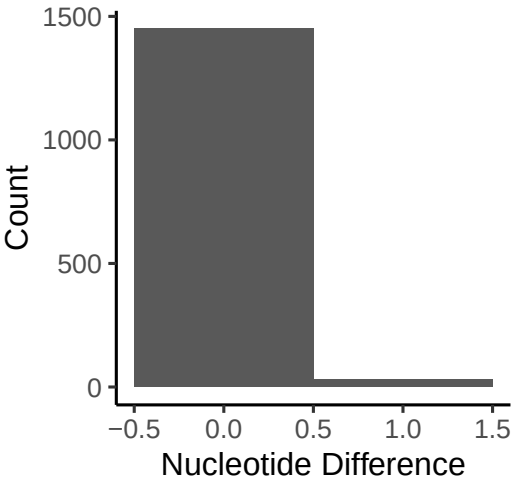
TRBV7−8*ap01

828 sequences assigned
820 (99%) exact matches, in which:
786 unique CDR3
13 unique J



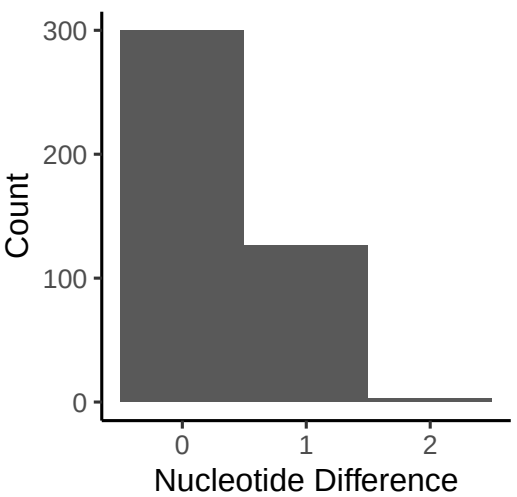
TRBV29−1*ap01

1481 sequences assigned
1450 (97.9%) exact matches, in which:
1399 unique CDR3
13 unique J



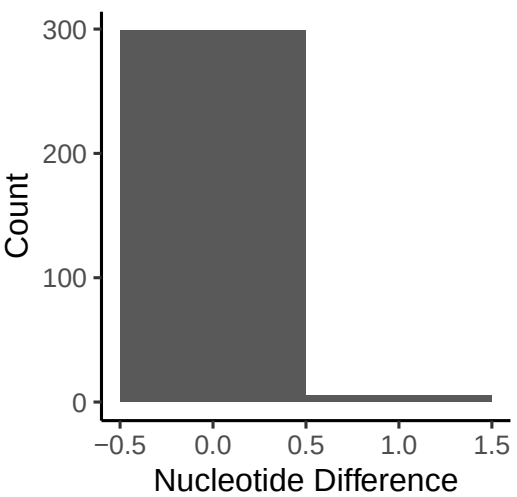
TRBV7−8*ap03

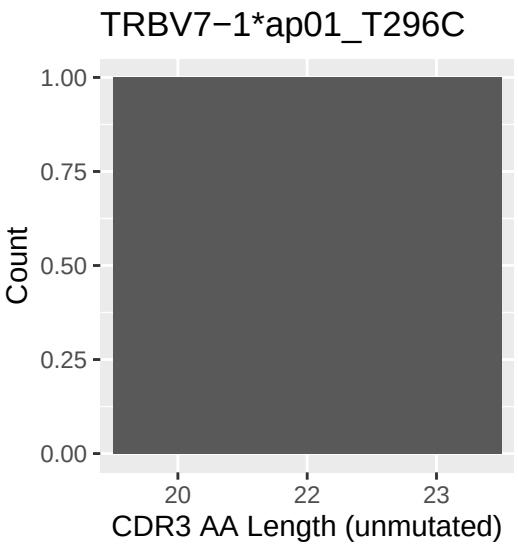
429 sequences assigned
300 (69.9%) exact matches, in which:
283 unique CDR3
13 unique J

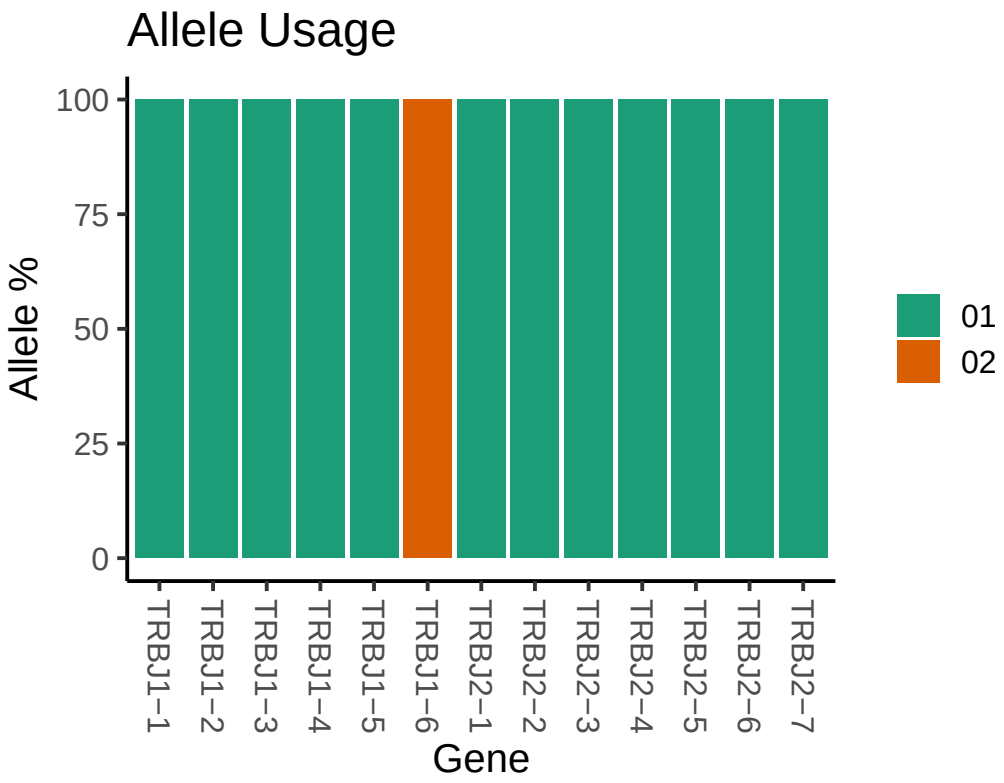


TRBV29−1*ap02

304 sequences assigned
299 (98.4%) exact matches, in which:
289 unique CDR3
13 unique J




TRBV7−1*ap01_T296C
1.00
0.75
0.50
0.25
0.00
Count
20
22
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
Gene
01
02

Warning − no inferred sequences found.

Warning − no inferred sequences found.

Warning − no inferred sequences found.