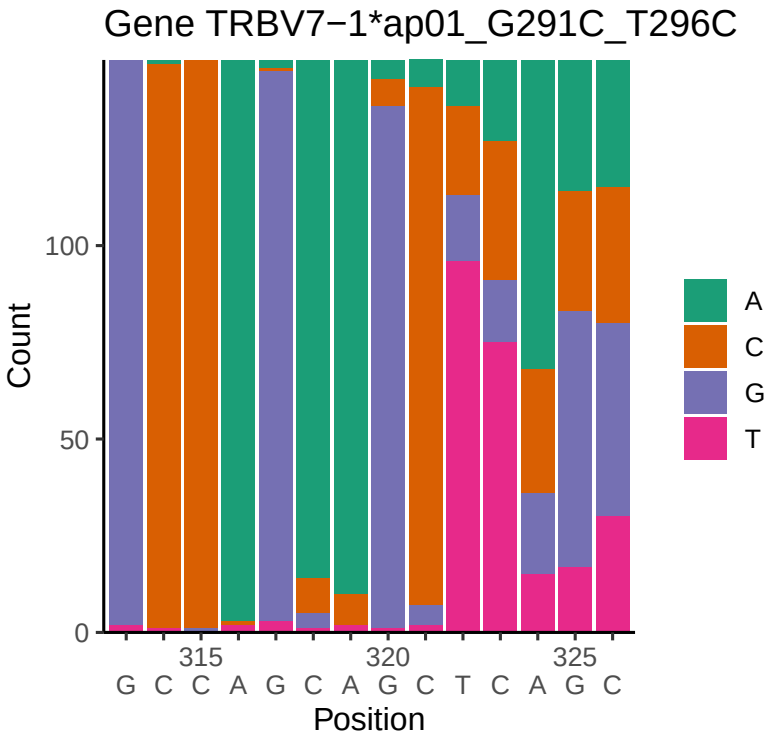
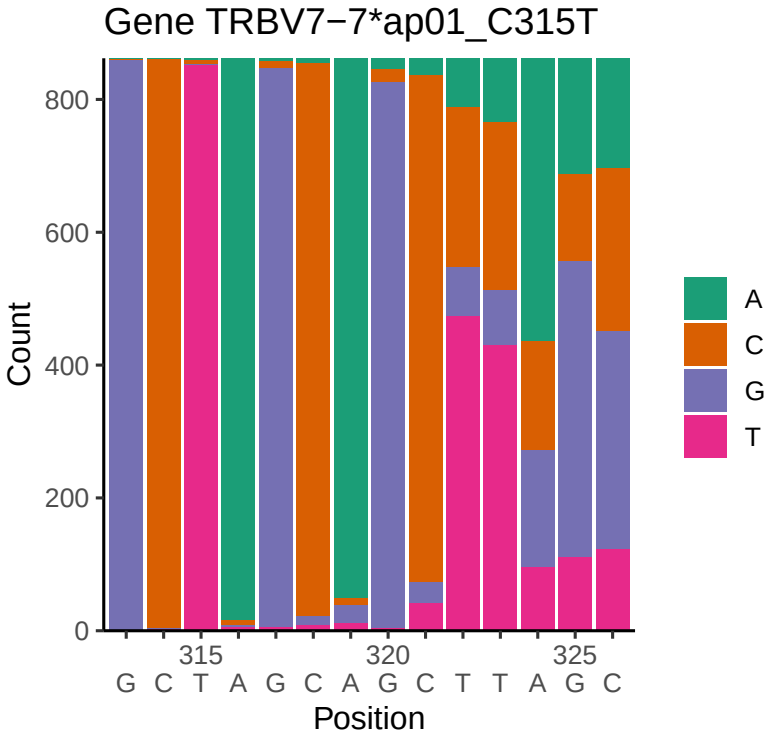
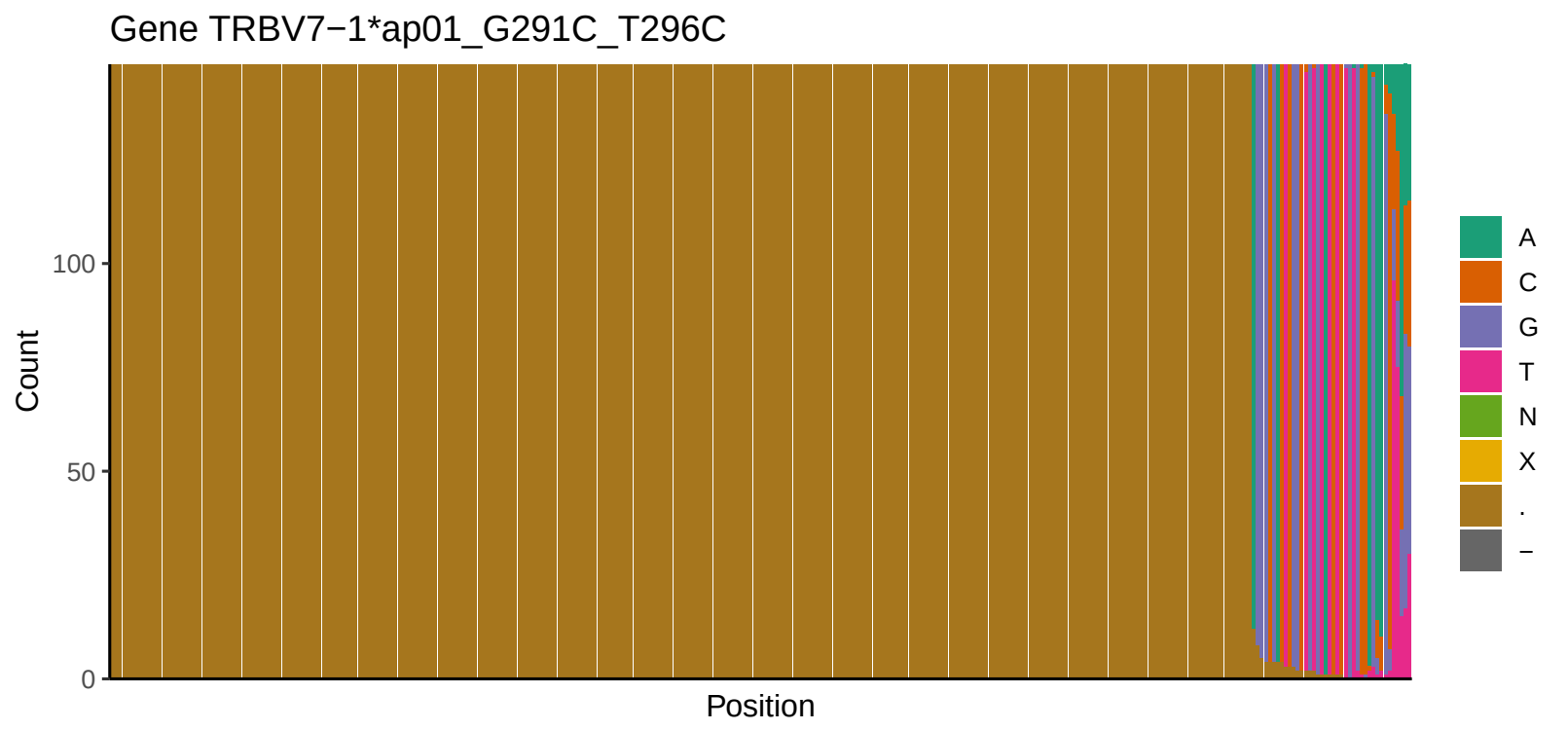
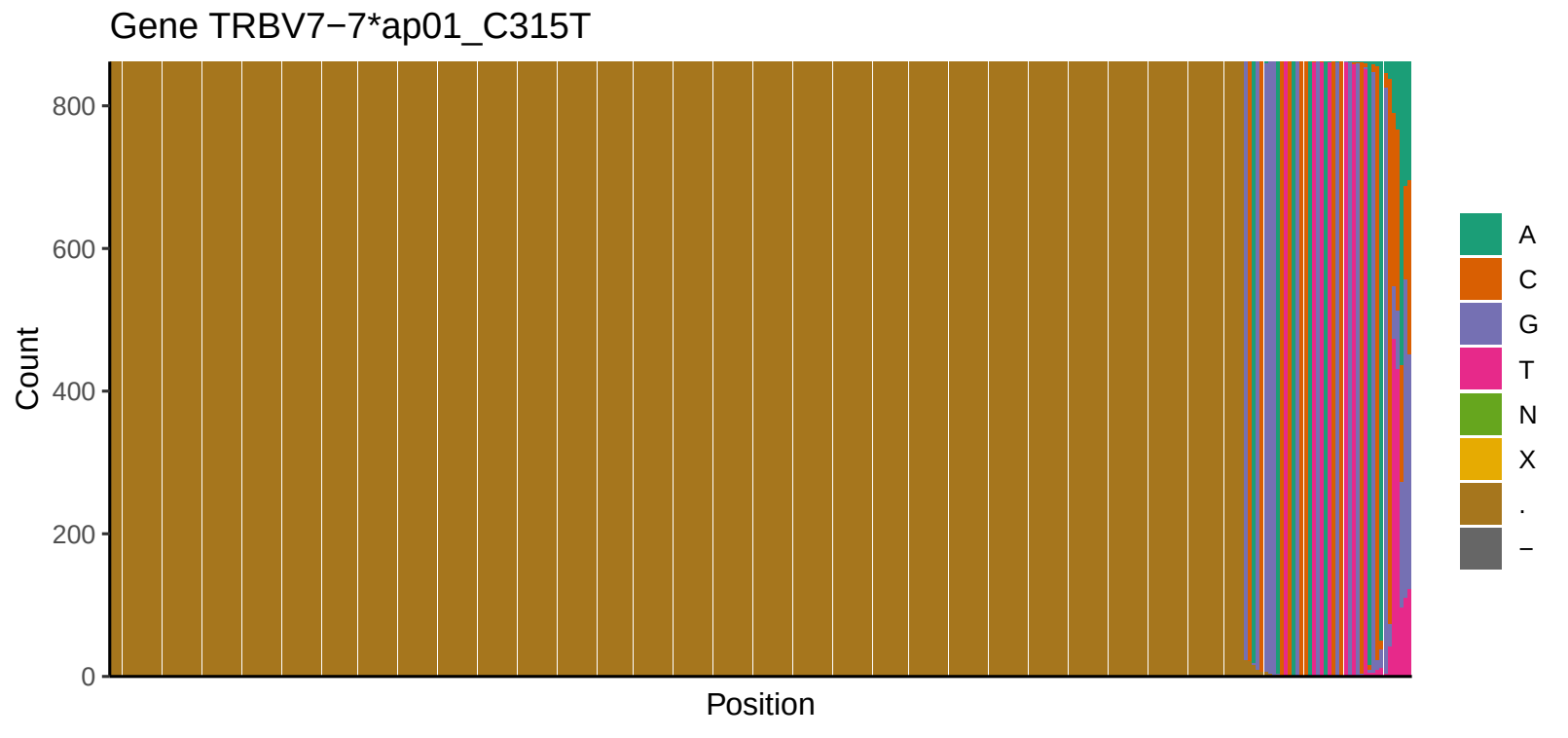
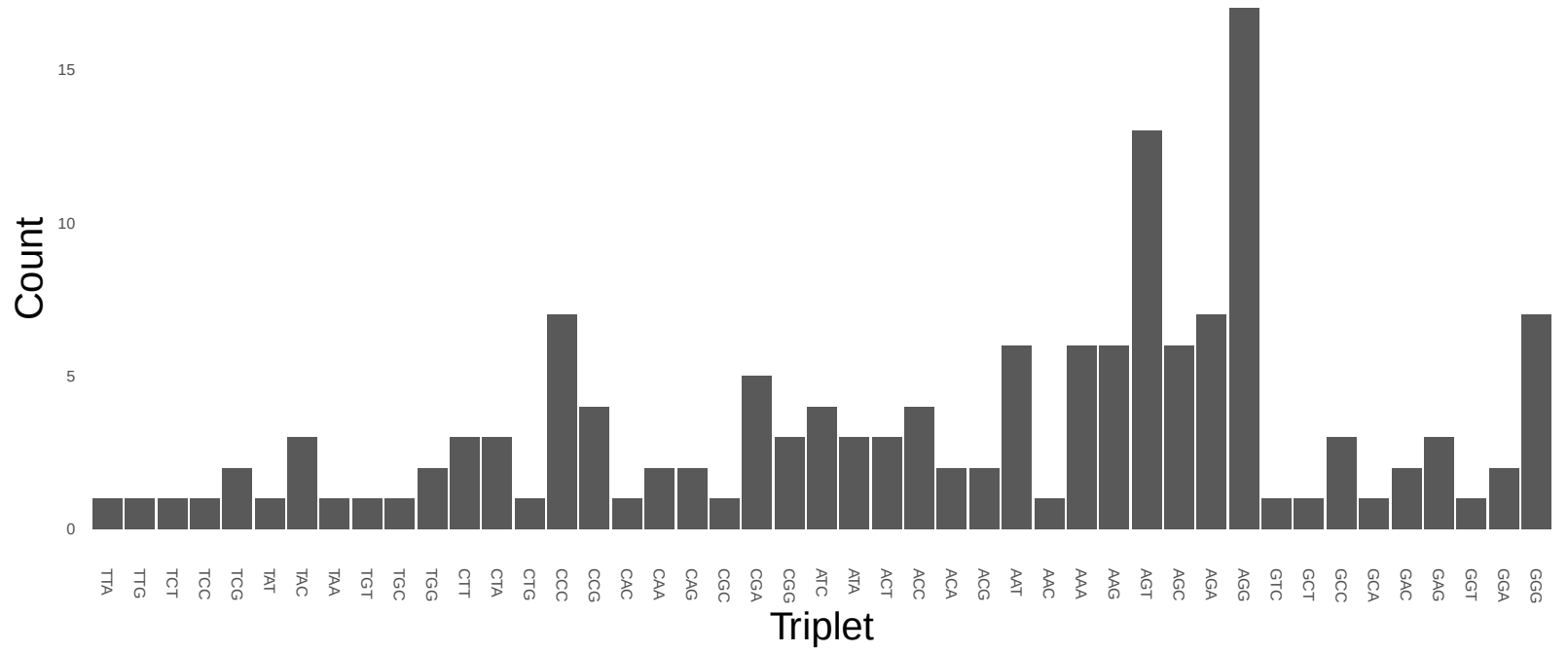

Gene TRBV7−1*ap01_G291C_T296C
Count
100
50
0
315
320
325
G C C A G C A G C T C A G C
Position
A
C
G
T


Gene TRBV7−7*ap01_C315T
Count
800
600
400
200
0
315
320
325
G C T A G C A G C T T A G C
Position
A
C
G
T

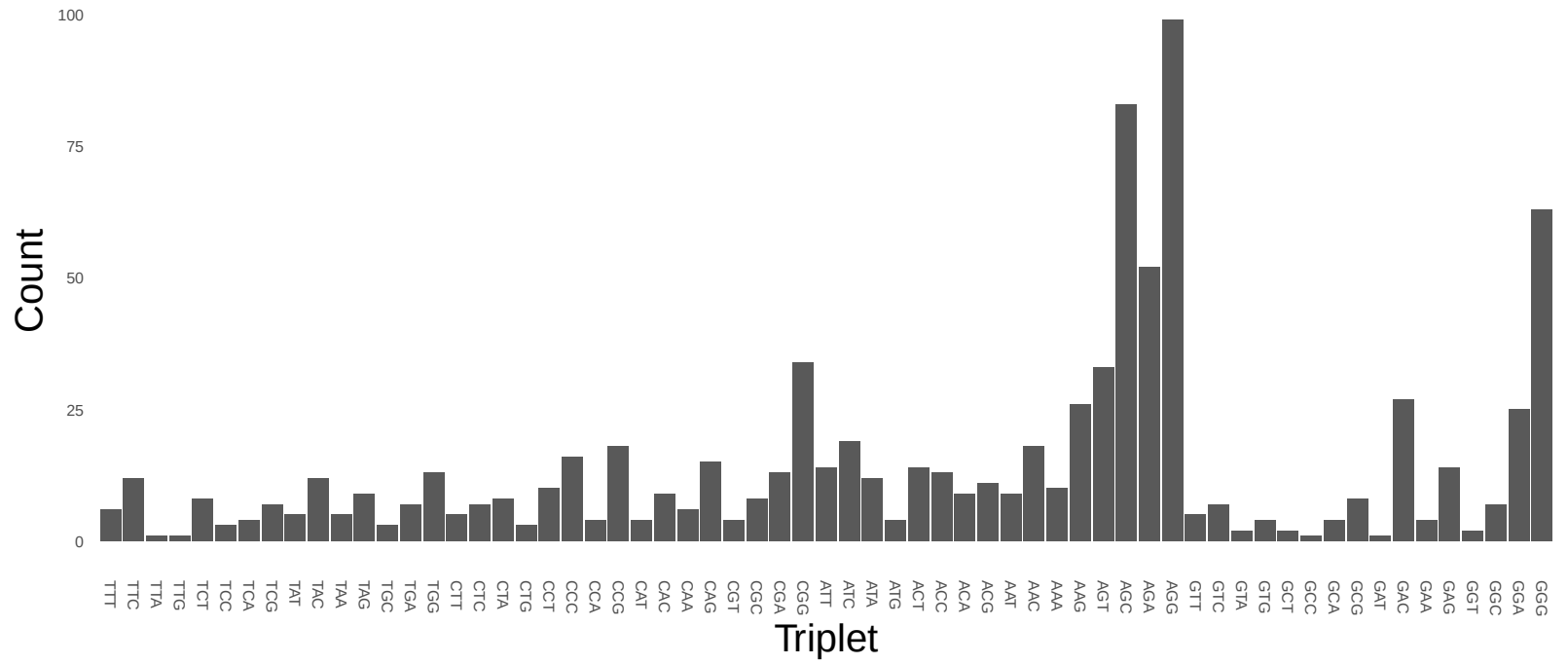

Gene TRBV7−1*ap01_G291C_T296C
Count
100
50
0
Position
A
C
G
T
N
X
.
–


Gene TRBV7−7*ap01_C315T
Count
800
600
400
200
0
Position
A
C
G
T
N
X
.
–

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

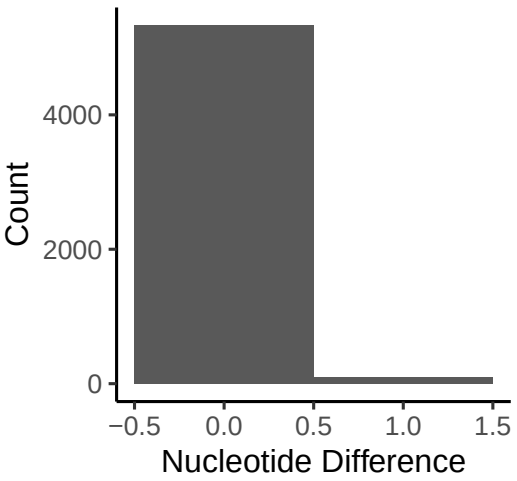



TRBV7−7*ap01_C315T− Final 3 nucleotides as a triplet



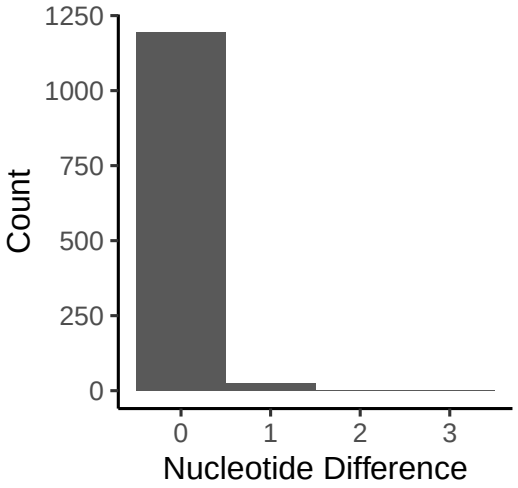
## TRBV20−1*ap01

5427 sequences assigned
5331 (98.2%) exact matches, in which:
5192 unique CDR3
13 unique J



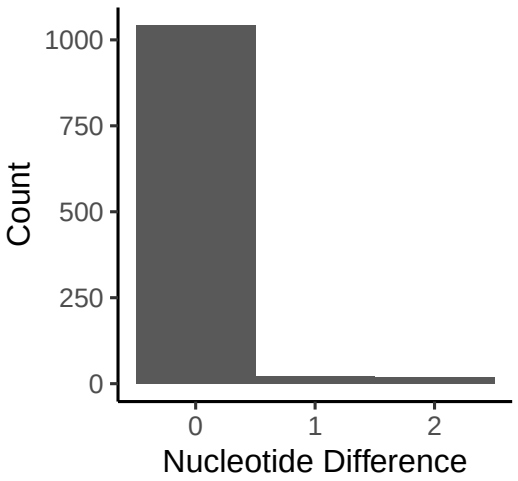

## TRBV10−2*ap01

1222 sequences assigned
1194 (97.7%) exact matches, in which:
1152 unique CDR3
13 unique J



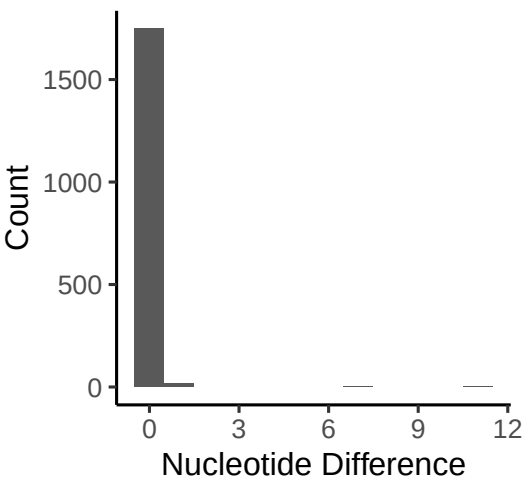

## TRBV13*ap01

1084 sequences assigned
1042 (96.1%) exact matches, in which:
1010 unique CDR3
13 unique J



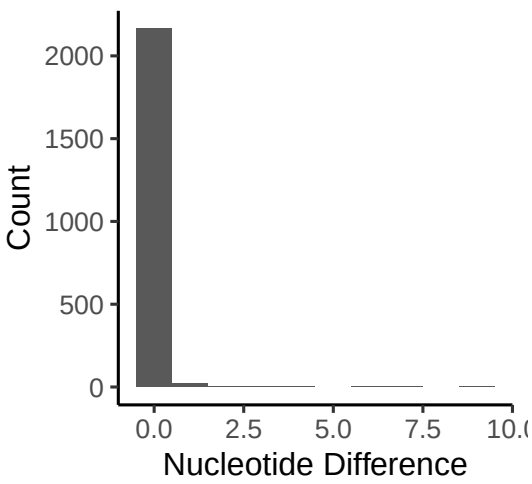

## TRBV10−1*ap01

1768 sequences assigned
1748 (98.9%) exact matches, in which:
1698 unique CDR3
13 unique J



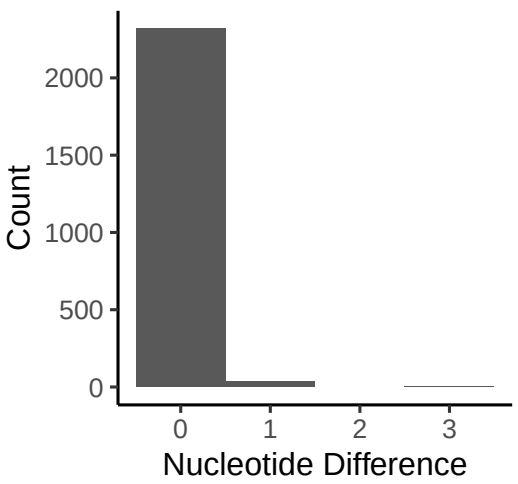

## TRBV10−3*ap01

2190 sequences assigned
2164 (98.8%) exact matches, in which:
2095 unique CDR3
13 unique J



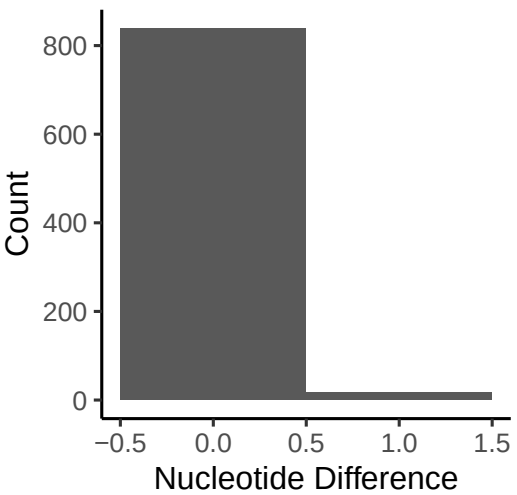

## TRBV14*ap01

2352 sequences assigned
2318 (98.6%) exact matches, in which:
2263 unique CDR3
13 unique J



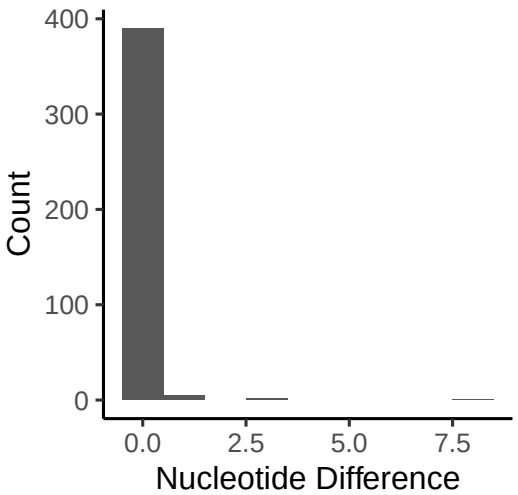

## TRBV20−1*ap02

856 sequences assigned
839 (98%) exact matches, in which:
819 unique CDR3
13 unique J



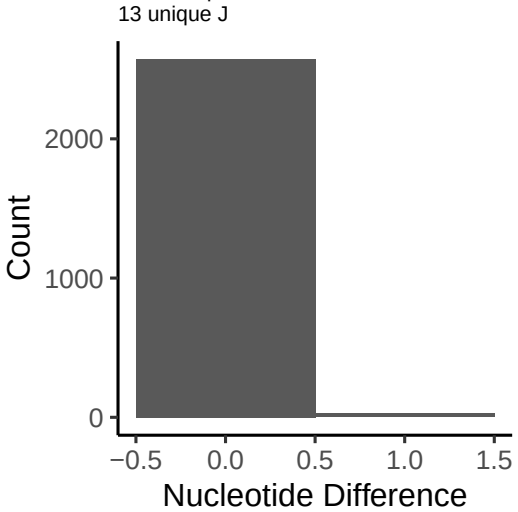

## TRBV1*ap01

398 sequences assigned
390 (98%) exact matches, in which:
383 unique CDR3
13 unique J



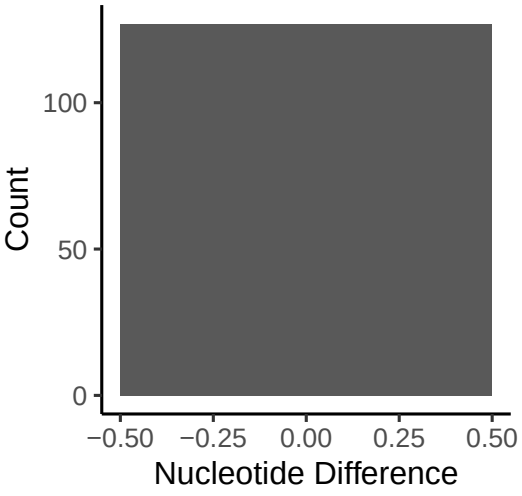

## TRBV15*ap02

2601 sequences assigned
2573 (98.9%) exact matches, in which:
2493 unique CDR3
13 unique J



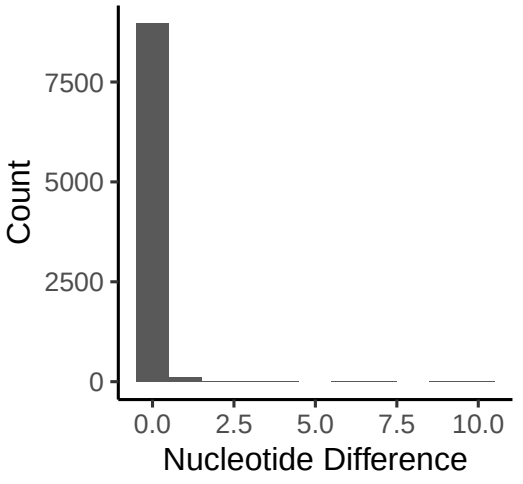
## TRBV16*ap01

127 sequences assigned
127 (100%) exact matches, in which:
126 unique CDR3
13 unique J



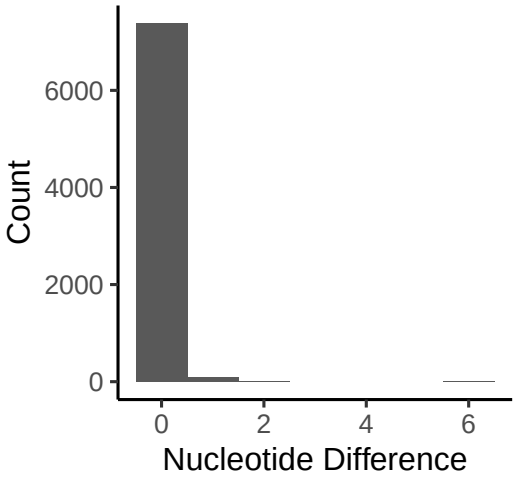

## TRBV19*ap01

9102 sequences assigned
8966 (98.5%) exact matches, in which:
8792 unique CDR3
13 unique J



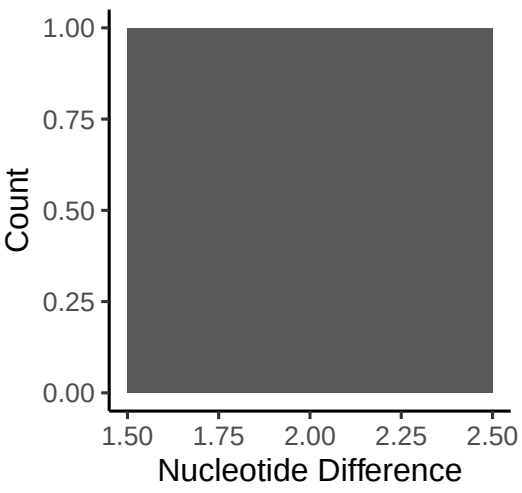

## TRBV28*ap01

7472 sequences assigned
7379 (98.8%) exact matches, in which:
7160 unique CDR3
13 unique J



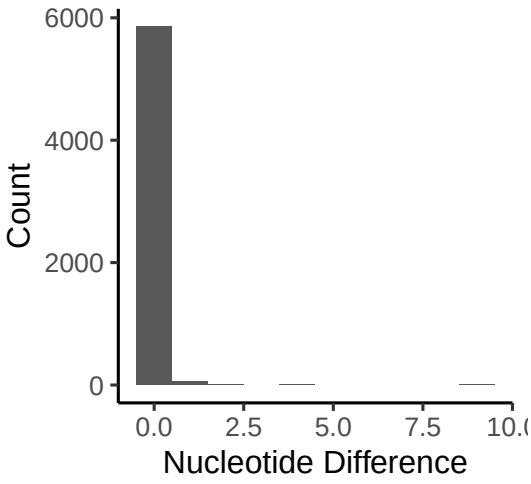

## TRBV17*ap01

1 sequences assigned
No exact matches.



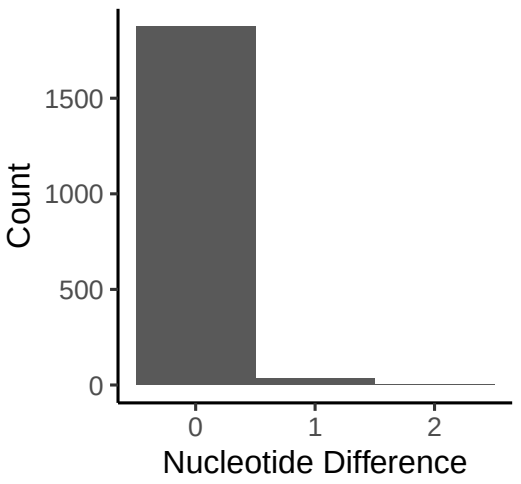

## TRBV2*ap01

5923 sequences assigned
5854 (98.8%) exact matches, in which:
5740 unique CDR3
13 unique J



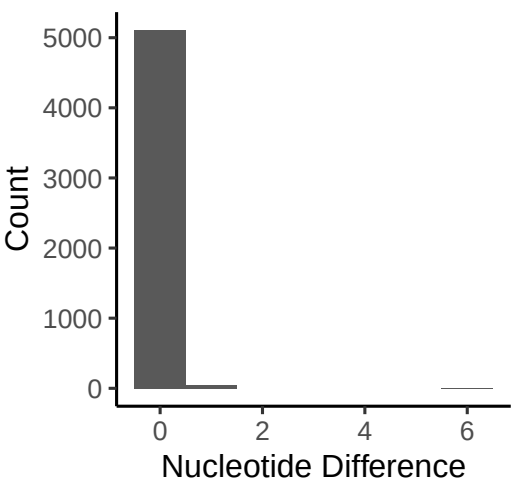

## TRBV30*ap01

1907 sequences assigned
1874 (98.3%) exact matches, in which:
1846 unique CDR3
13 unique J



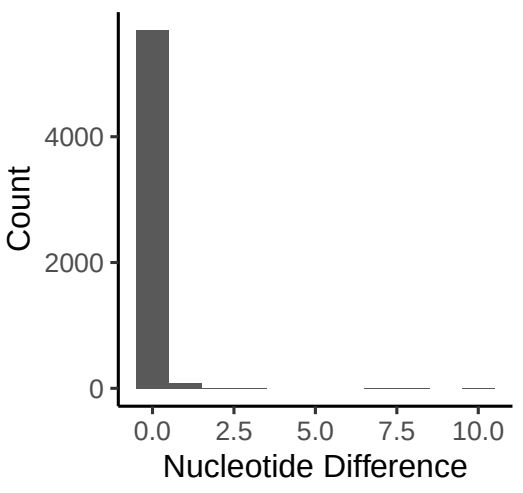

## TRBV18*ap01

5153 sequences assigned
5109 (99.1%) exact matches, in which:
5001 unique CDR3
13 unique J



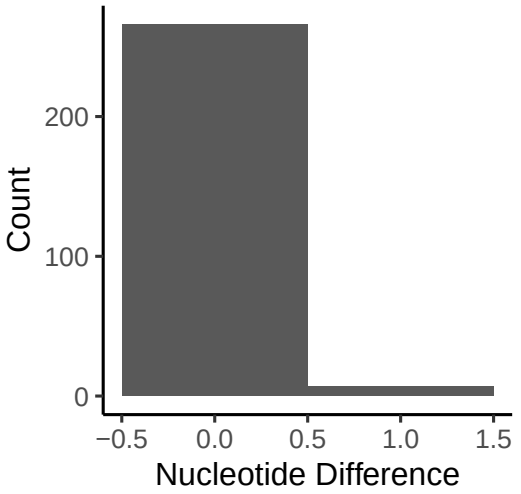

## TRBV27*ap01

5784 sequences assigned
5696 (98.5%) exact matches, in which:
5525 unique CDR3
13 unique J



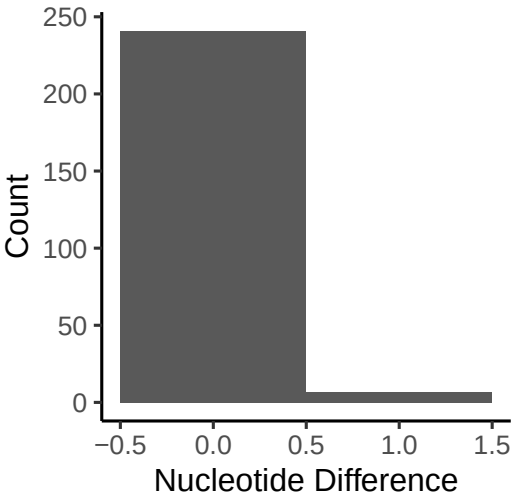

## TRBV30*ap02

273 sequences assigned
266 (97.4%) exact matches, in which:
265 unique CDR3
13 unique J



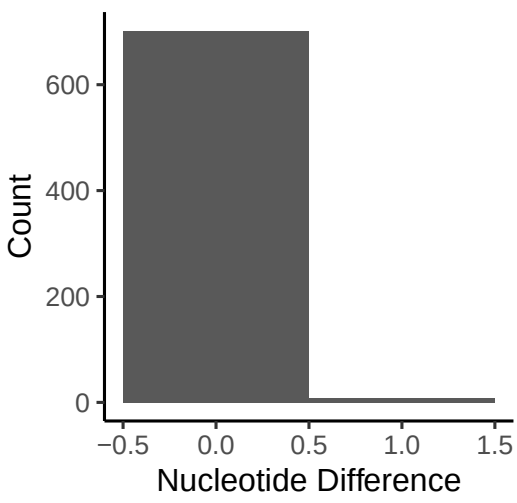
## TRBV30*ap03

248 sequences assigned
241 (97.2%) exact matches, in which:
237 unique CDR3
13 unique J



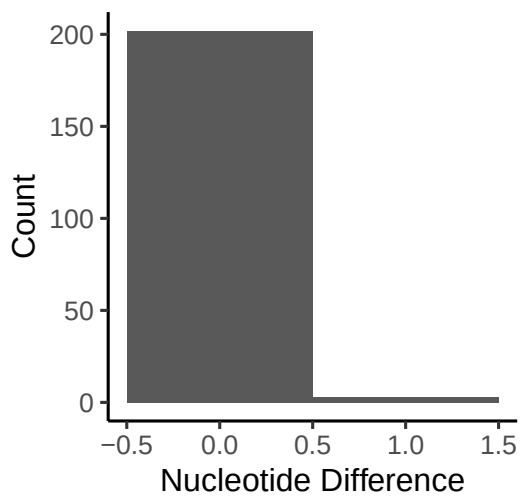

## TRBV11−1*ap01

711 sequences assigned
702 (98.7%) exact matches, in which:
668 unique CDR3
13 unique J



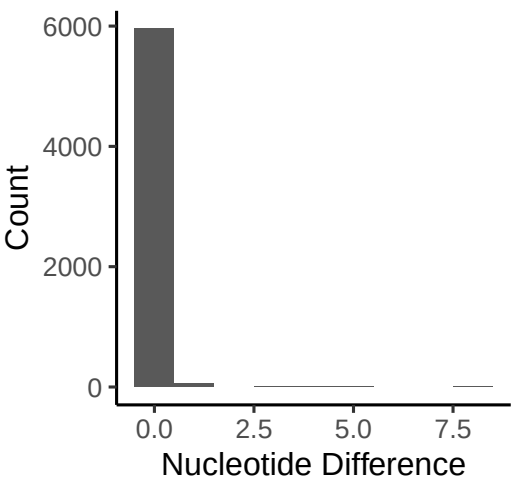

## TRBV12−1*ap01

205 sequences assigned
202 (98.5%) exact matches, in which:
196 unique CDR3
13 unique J



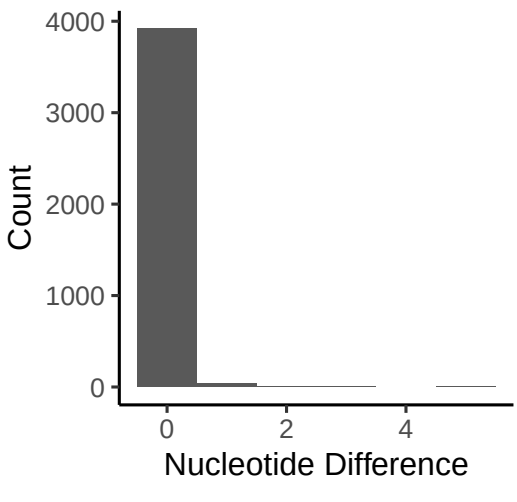

## TRBV9*ap01

6026 sequences assigned
5956 (98.8%) exact matches, in which:
5798 unique CDR3
13 unique J



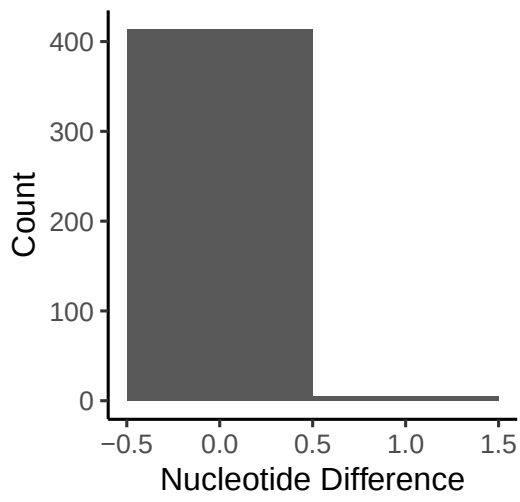

## TRBV11−2*ap01

3960 sequences assigned
3918 (98.9%) exact matches, in which:
3802 unique CDR3
13 unique J



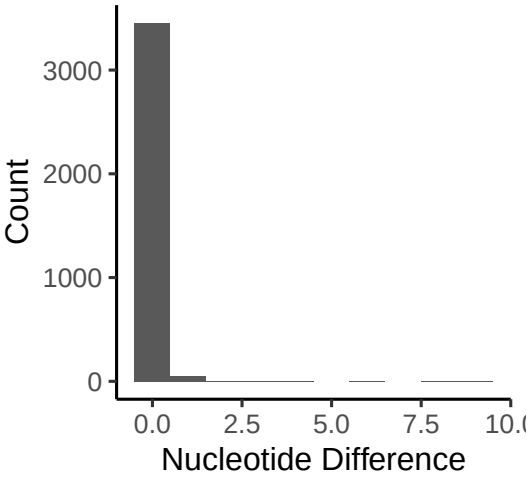

## TRBV12−2*ap01

419 sequences assigned
414 (98.8%) exact matches, in which:
401 unique CDR3
13 unique J



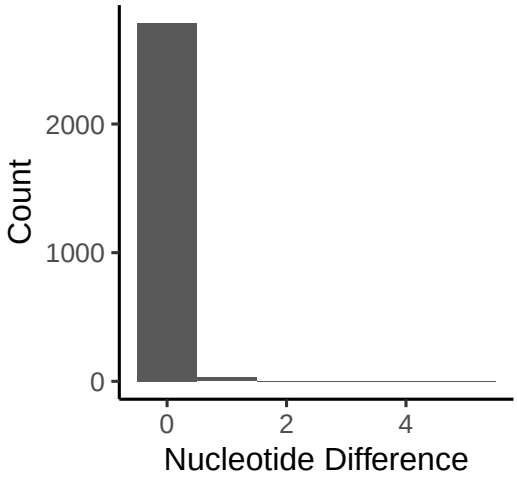

## TRBV21−1*ap01

3517 sequences assigned
3453 (98.2%) exact matches, in which:
3340 unique CDR3
13 unique J



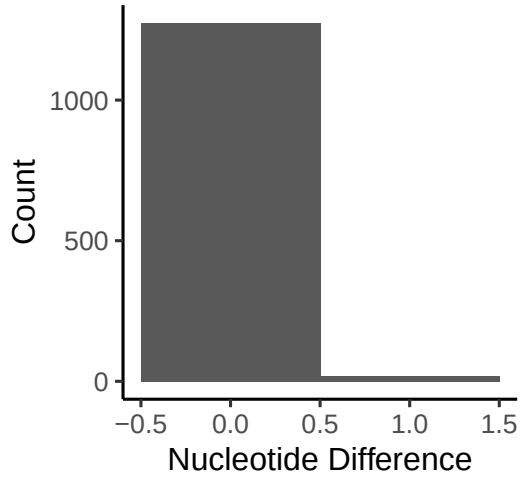

## TRBV11−3*ap01

2819 sequences assigned
2785 (98.8%) exact matches, in which:
2699 unique CDR3
13 unique J



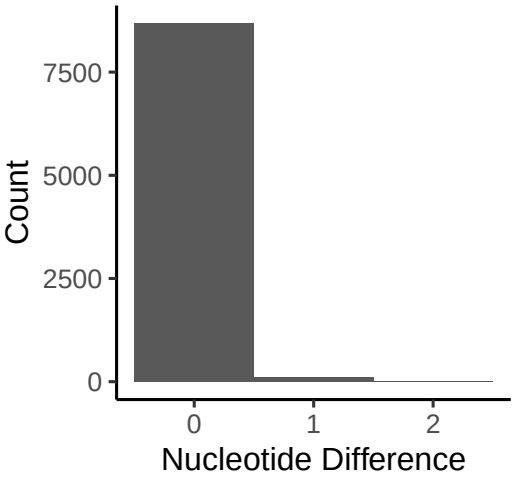

## TRBV12−5*ap01

1294 sequences assigned
1274 (98.5%) exact matches, in which:
1229 unique CDR3
13 unique J



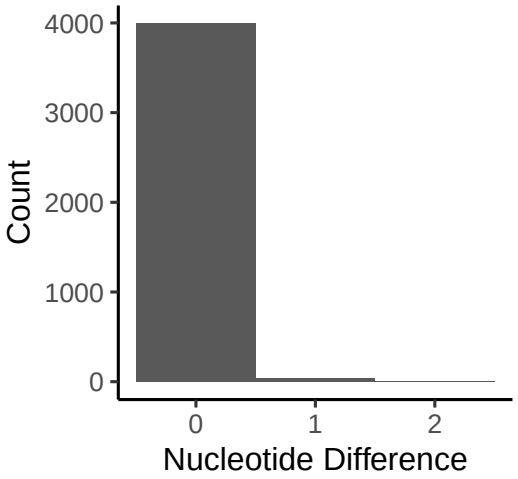
## TRBV12−34*ap01

8809 sequences assigned
8680 (98.5%) exact matches, in which:
8477 unique CDR3
13 unique J



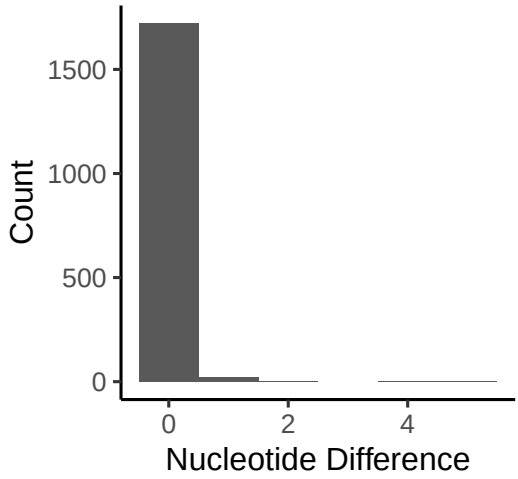

## TRBV4−1*ap01

4039 sequences assigned
3995 (98.9%) exact matches, in which:
3889 unique CDR3
13 unique J



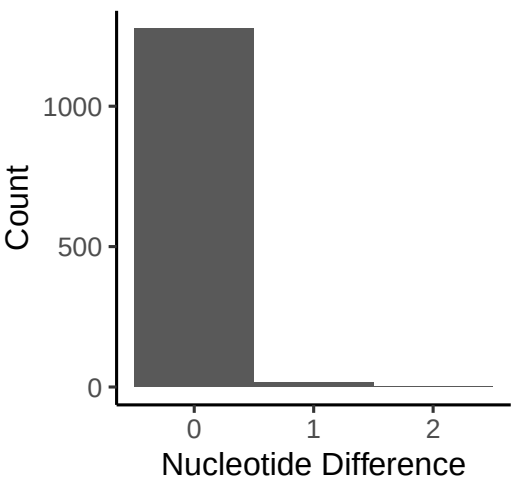

## TRBV25−1*ap01

1745 sequences assigned
1721 (98.6%) exact matches, in which:
1694 unique CDR3
13 unique J



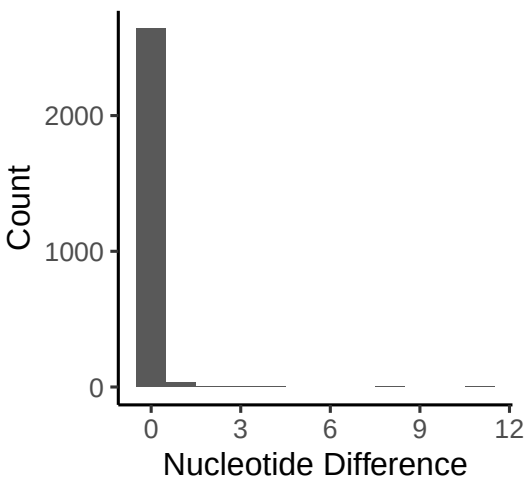

## TRBV23−1*ap01

1292 sequences assigned
1276 (98.8%) exact matches, in which:
1228 unique CDR3
13 unique J



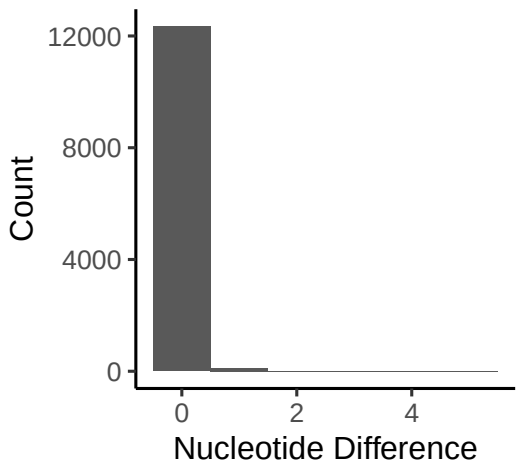

## TRBV24−1*ap01

2681 sequences assigned
2640 (98.5%) exact matches, in which:
2594 unique CDR3
13 unique J



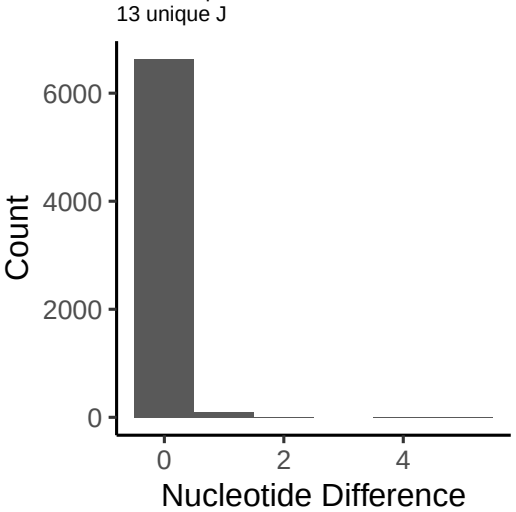

## TRBV5−1*ap01

12473 sequences assigned
12340 (98.9%) exact matches, in which:
11940 unique CDR3
13 unique J



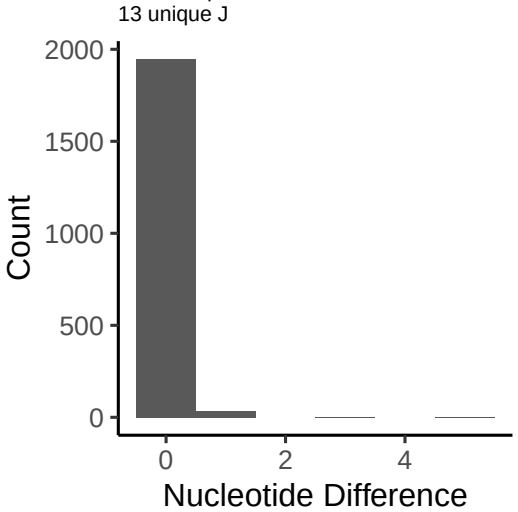

## TRBV3−12*ap01

6730 sequences assigned
6632 (98.5%) exact matches, in which:
6474 unique CDR3
13 unique J



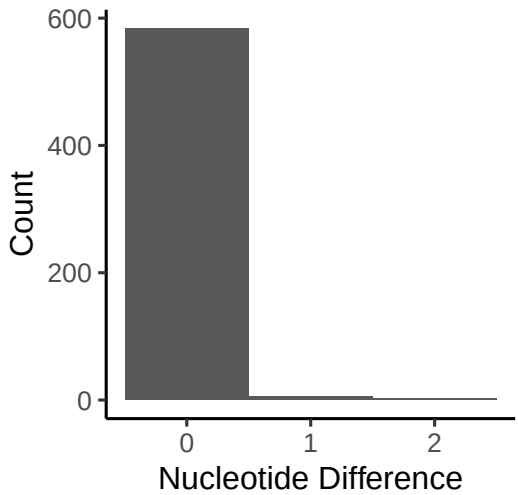

## TRBV4−2*ap01

1985 sequences assigned
1947 (98.1%) exact matches, in which:
1892 unique CDR3
13 unique J



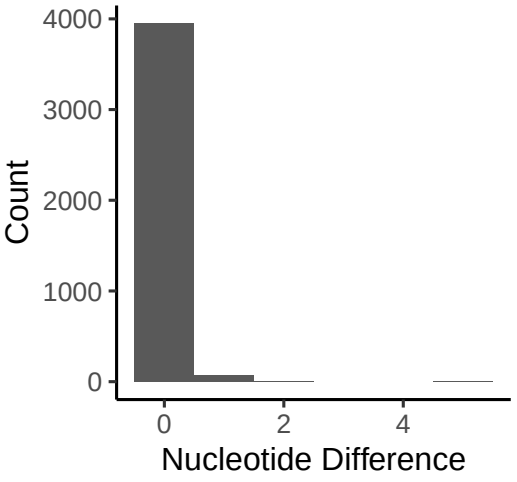

## TRBV5−3*ap01

592 sequences assigned
584 (98.6%) exact matches, in which:
562 unique CDR3
13 unique J



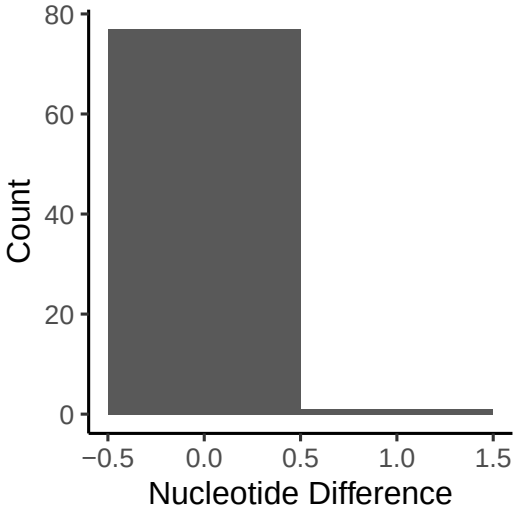
## TRBV5−4*ap01

4025 sequences assigned
3950 (98.1%) exact matches, in which:
3836 unique CDR3
13 unique J



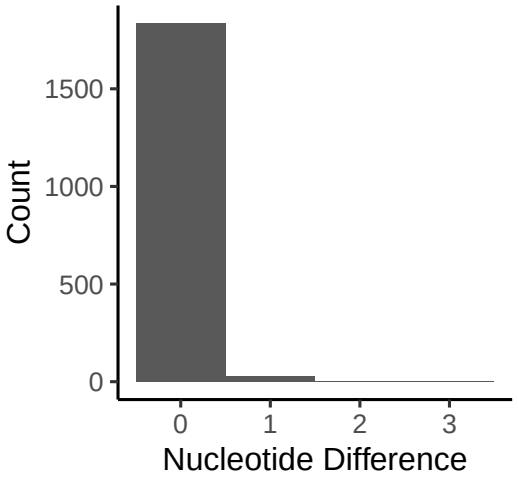

## TRBV5−7*ap01

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



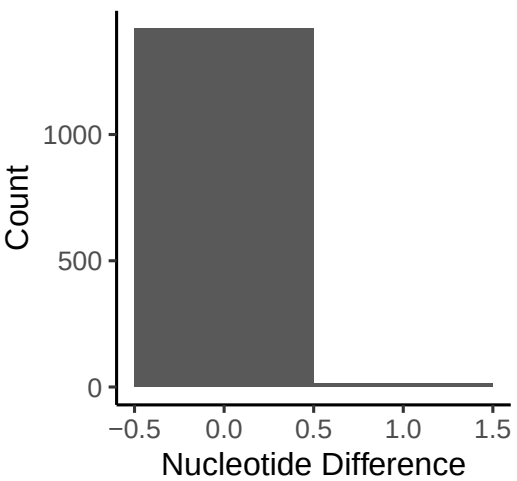

## TRBV6−4*ap01

1865 sequences assigned
1835 (98.4%) exact matches, in which:
1781 unique CDR3
13 unique J



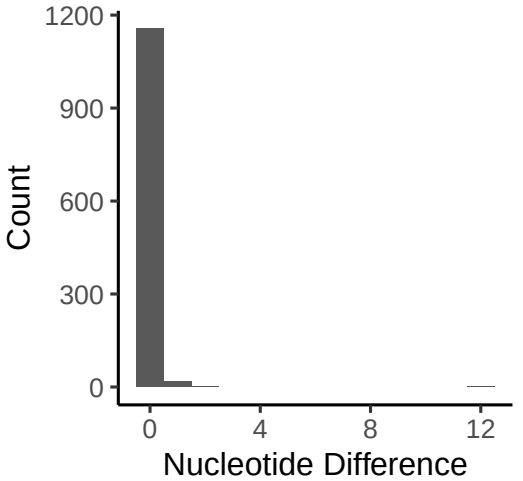

## TRBV5−5*ap01

1434 sequences assigned
1419 (99%) exact matches, in which:
1385 unique CDR3
13 unique J



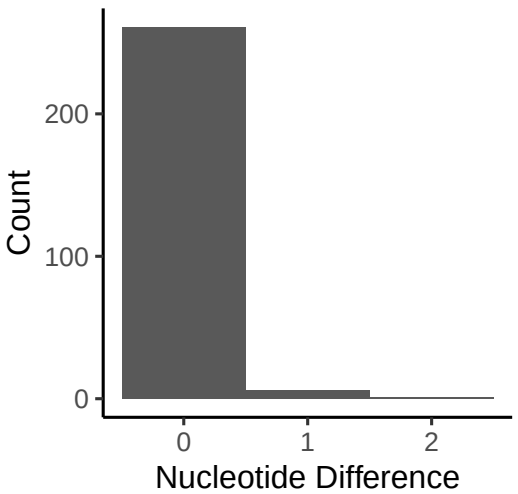

## TRBV5−8*ap01

1178 sequences assigned
1156 (98.1%) exact matches, in which:
1126 unique CDR3
13 unique J



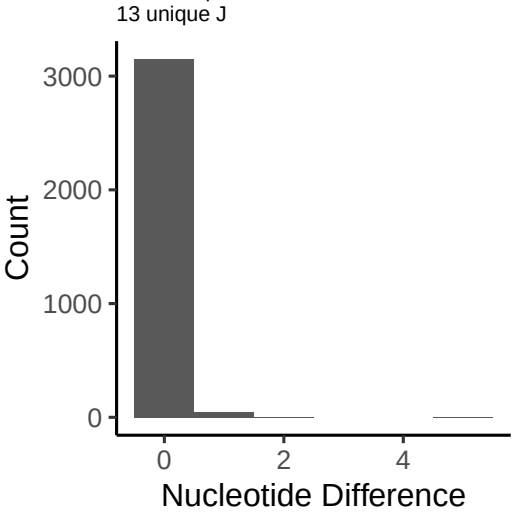

## TRBV6−7*ap01

268 sequences assigned
261 (97.4%) exact matches, in which:
251 unique CDR3
13 unique J



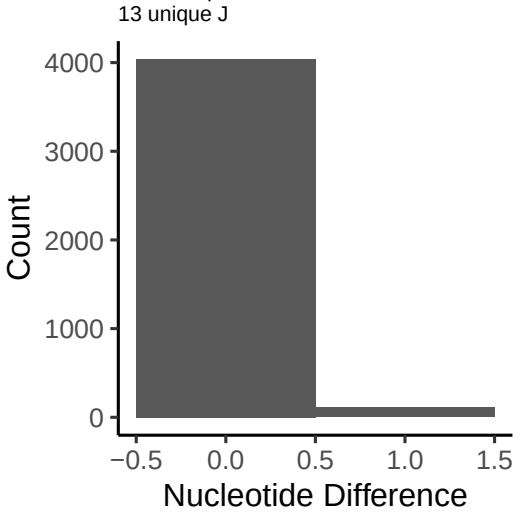

## TRBV5−6*ap01

3200 sequences assigned
3150 (98.4%) exact matches, in which:
3062 unique CDR3
13 unique J



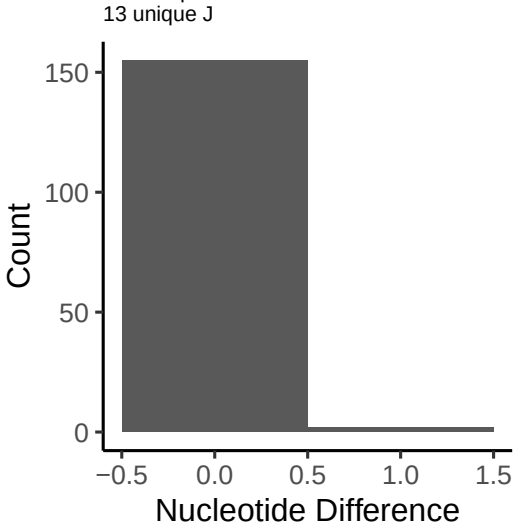

## TRBV6−1*ap01

4150 sequences assigned
4040 (97.3%) exact matches, in which:
3937 unique CDR3
13 unique J



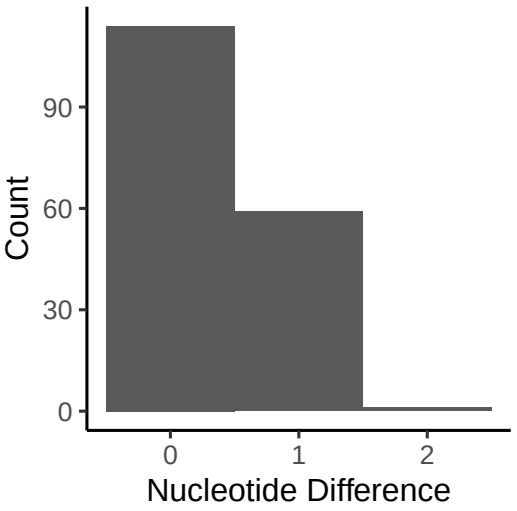

## TRBV6−8*ap01

157 sequences assigned
155 (98.7%) exact matches, in which:
152 unique CDR3
13 unique J



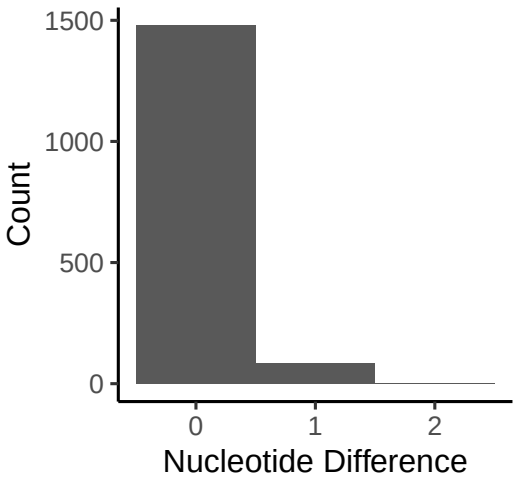
## TRBV6−9*ap01

174 sequences assigned
114 (65.5%) exact matches, in which:
113 unique CDR3
13 unique J



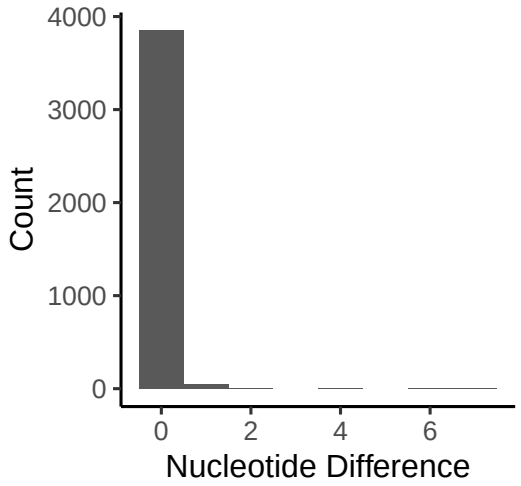

## TRBV6−56*ap02

1564 sequences assigned
1479 (94.6%) exact matches, in which:
1452 unique CDR3
13 unique J



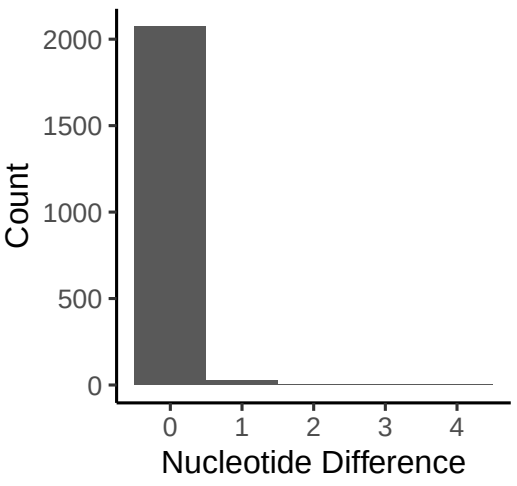

## TRBV7−3*ap01

3902 sequences assigned
3851 (98.7%) exact matches, in which:
3751 unique CDR3
13 unique J



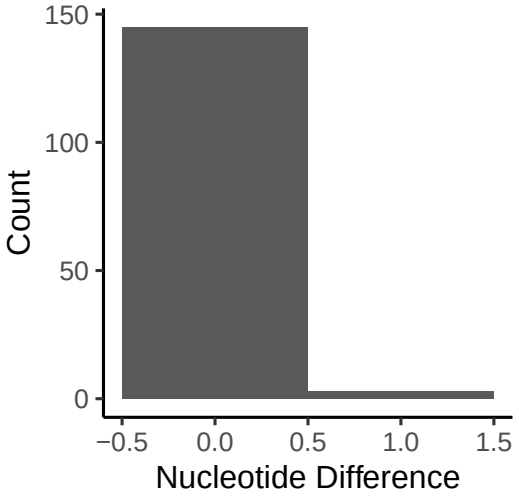

## TRBV6−23*ap01

2104 sequences assigned
2072 (98.5%) exact matches, in which:
2024 unique CDR3
13 unique J



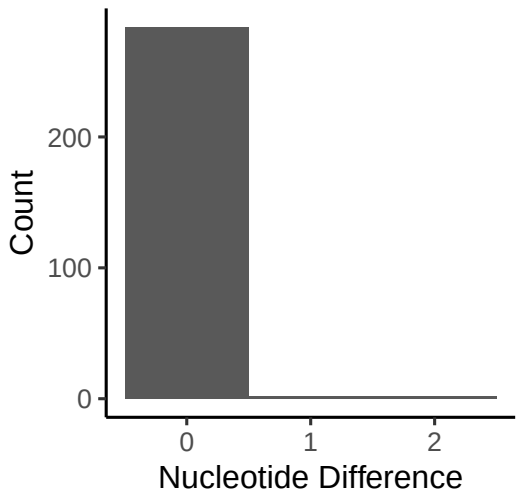

## TRBV7−1*ap01_G291C_

148 sequences assigned
145 (98%) exact matches, in which:
140 unique CDR3
13 unique J



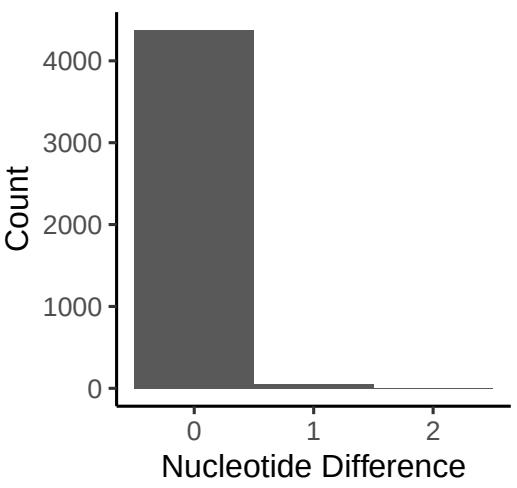

## TRBV7−4*ap01

288 sequences assigned
284 (98.6%) exact matches, in which:
280 unique CDR3
13 unique J



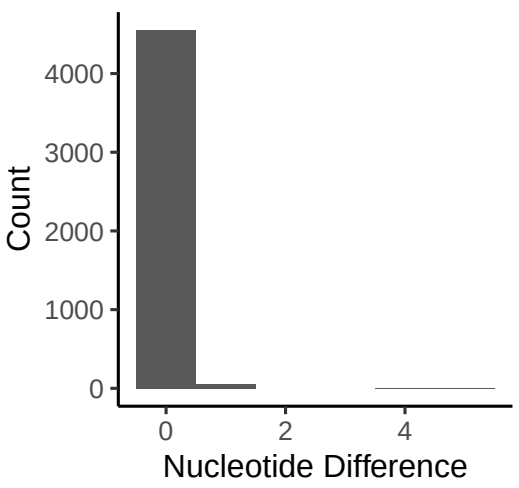

## TRBV6−56*ap01

4436 sequences assigned
4376 (98.6%) exact matches, in which:
4251 unique CDR3
13 unique J



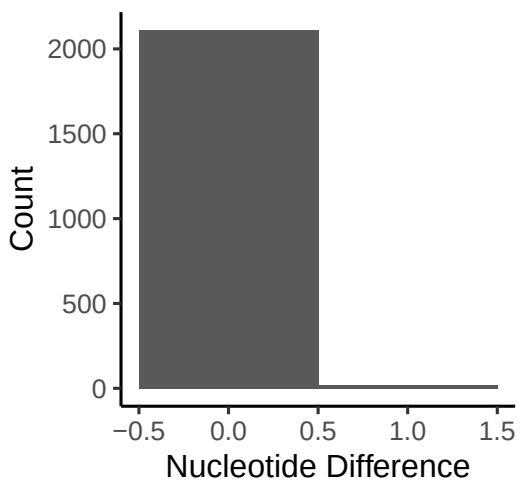

## TRBV7−2*ap01

4612 sequences assigned
4553 (98.7%) exact matches, in which:
4413 unique CDR3
13 unique J



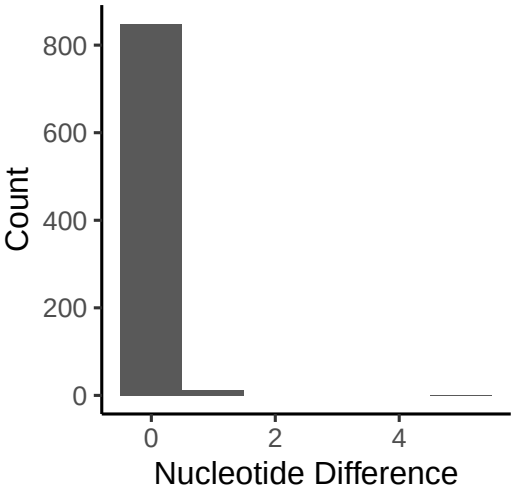

## TRBV7−6*ap01

2129 sequences assigned
2111 (99.2%) exact matches, in which:
2053 unique CDR3
13 unique J



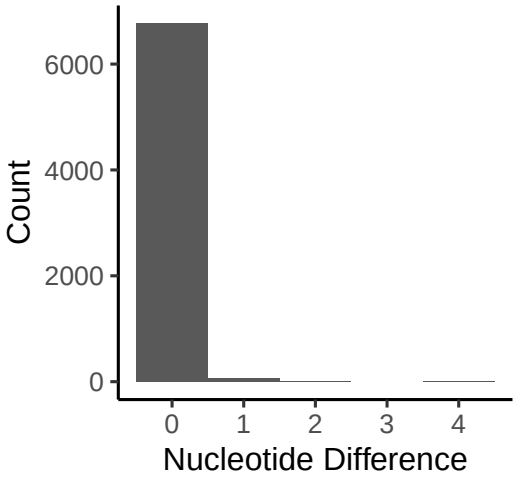
## TRBV7−7*ap01_C315T

862 sequences assigned
849 (98.5%) exact matches, in which:
829 unique CDR3
13 unique J



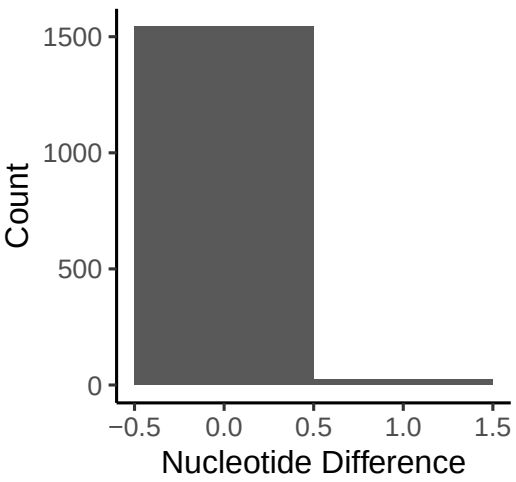

## TRBV7−9*ap01

6831 sequences assigned
6768 (99.1%) exact matches, in which:
6637 unique CDR3
13 unique J



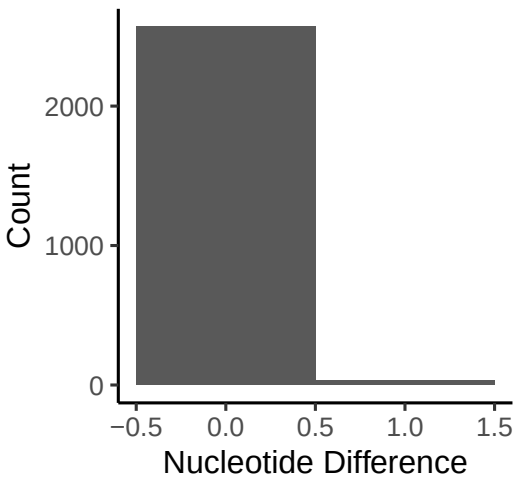

## TRBV7−8*ap01

1568 sequences assigned
1543 (98.4%) exact matches, in which:
1498 unique CDR3
13 unique J



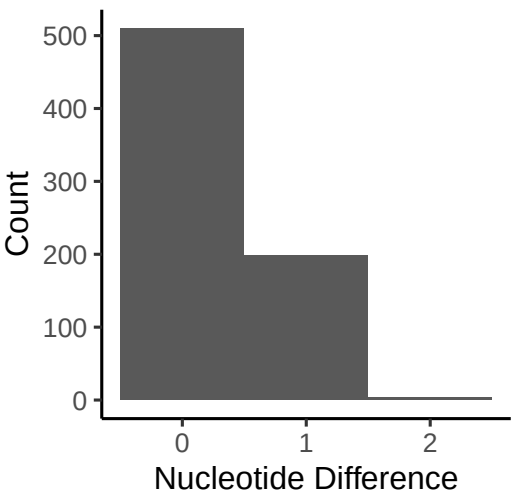

## TRBV29−1*ap01

2598 sequences assigned
2569 (98.9%) exact matches, in which:
2511 unique CDR3
13 unique J



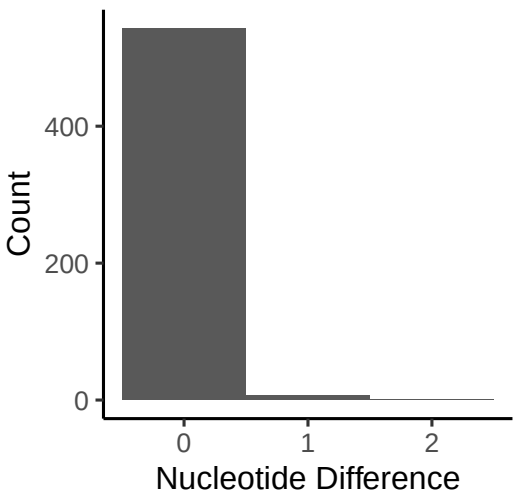

## TRBV7−8*ap03

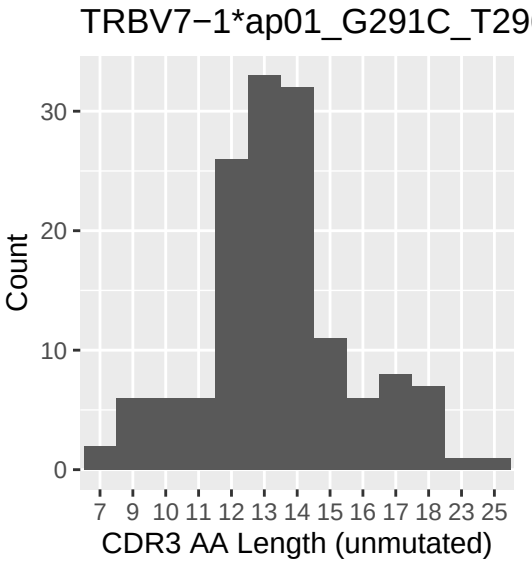
712 sequences assigned
510 (71.6%) exact matches, in which:
488 unique CDR3
13 unique J

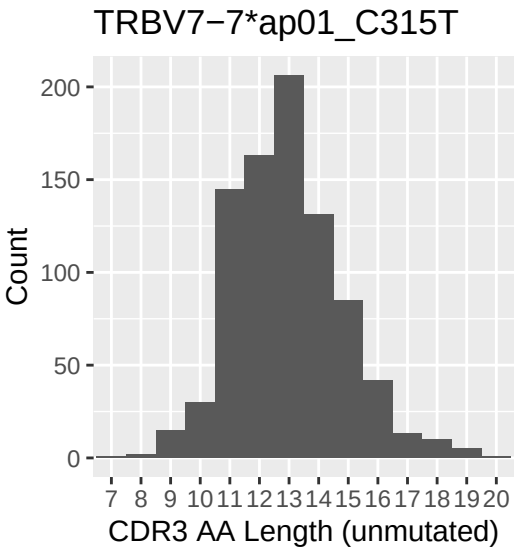


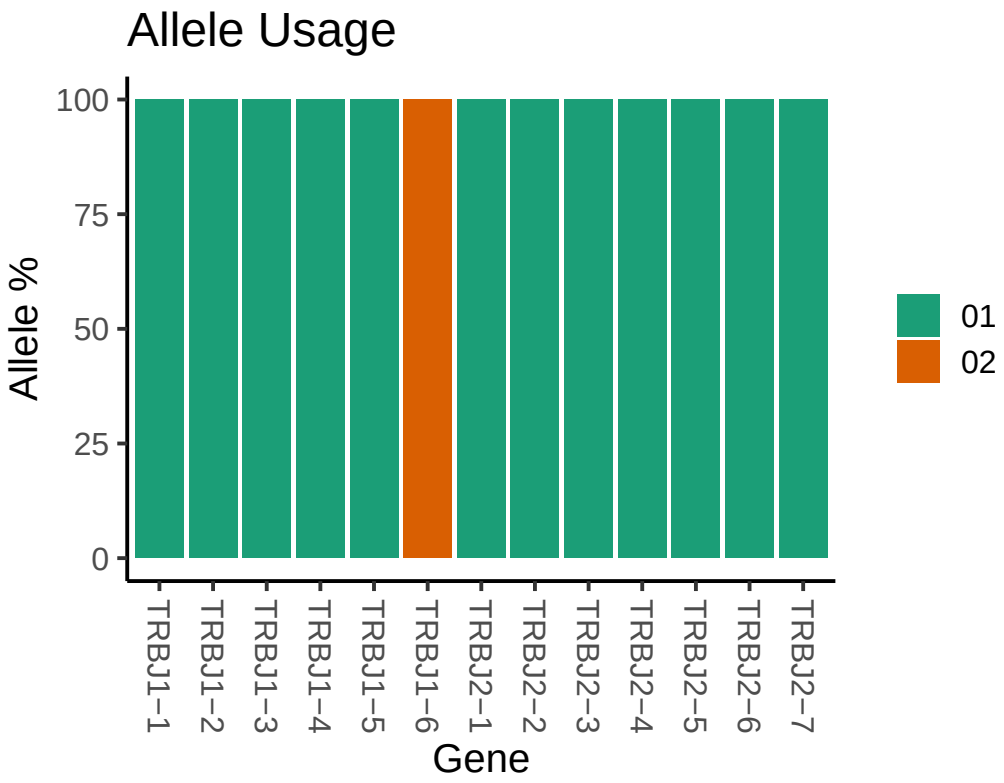

## TRBV29−1*ap02

550 sequences assigned
543 (98.7%) exact matches, in which:
526 unique CDR3
13 unique J




TRBV7−1*ap01_G291C_T296C
Count
30
20
10
0
7 9 10 11 12 13 14 15 16 17 18 23 25
CDR3 AA Length (unmutated)


TRBV7−7*ap01_C315T
Count
200
150
100
50
0
7 8 9 10 11 12 13 14 15 16 17 18 19 20
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.