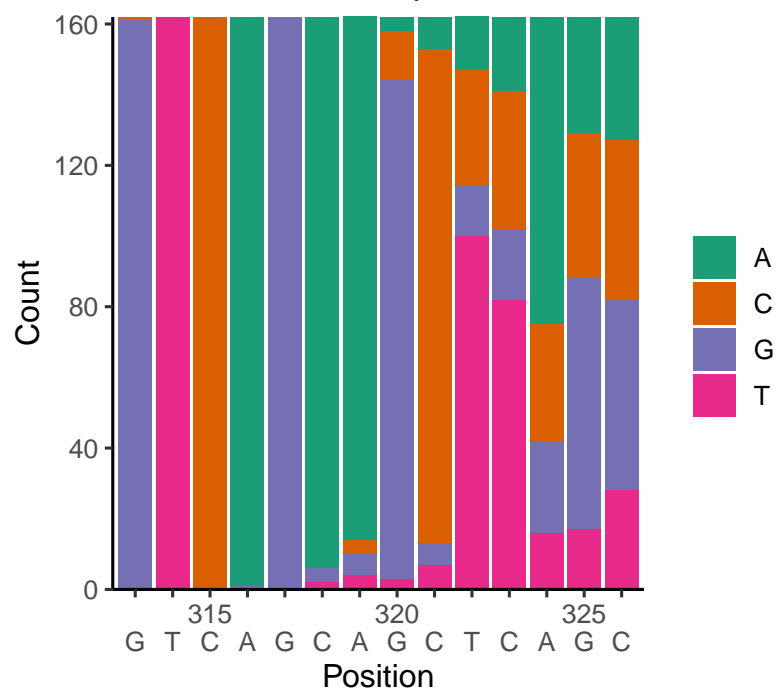
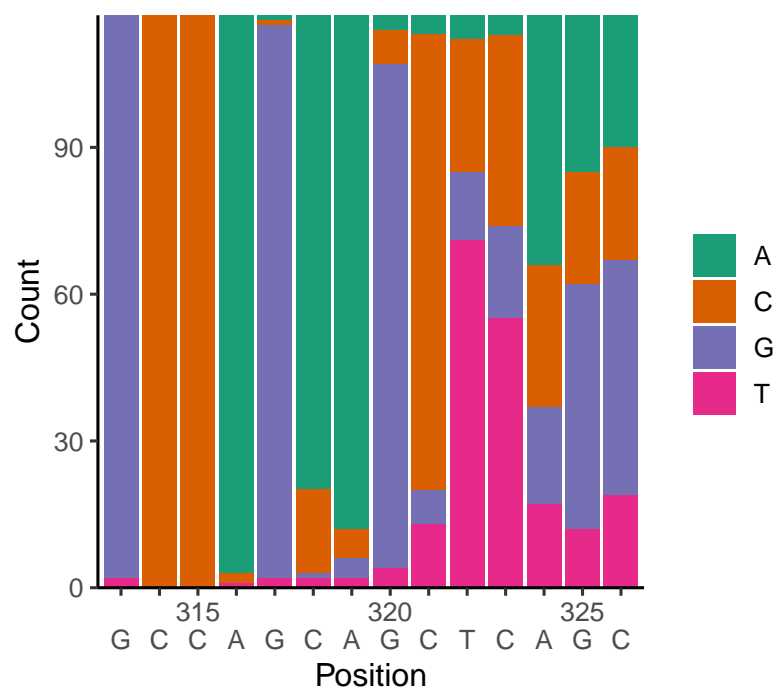


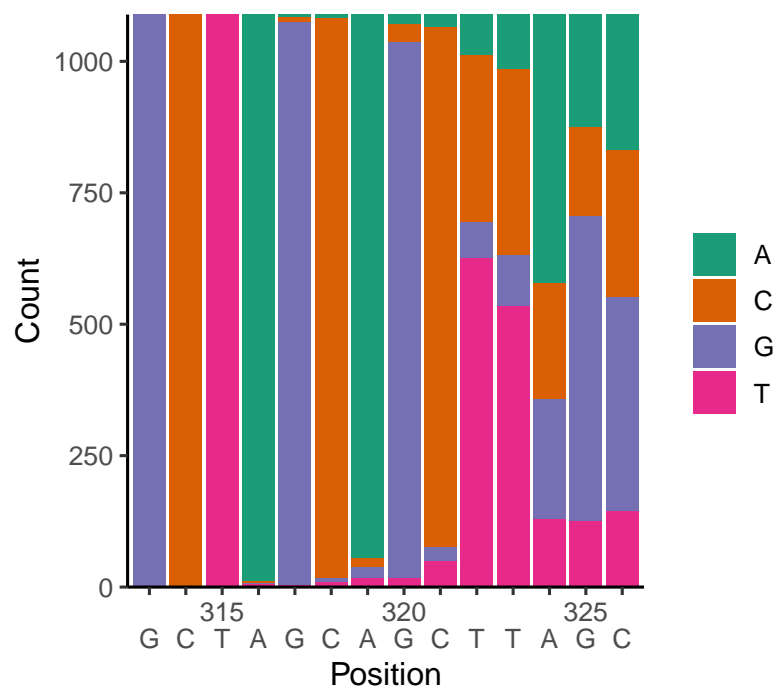
Gene TRBV7-1*ap01_G291C_T296C_C314T



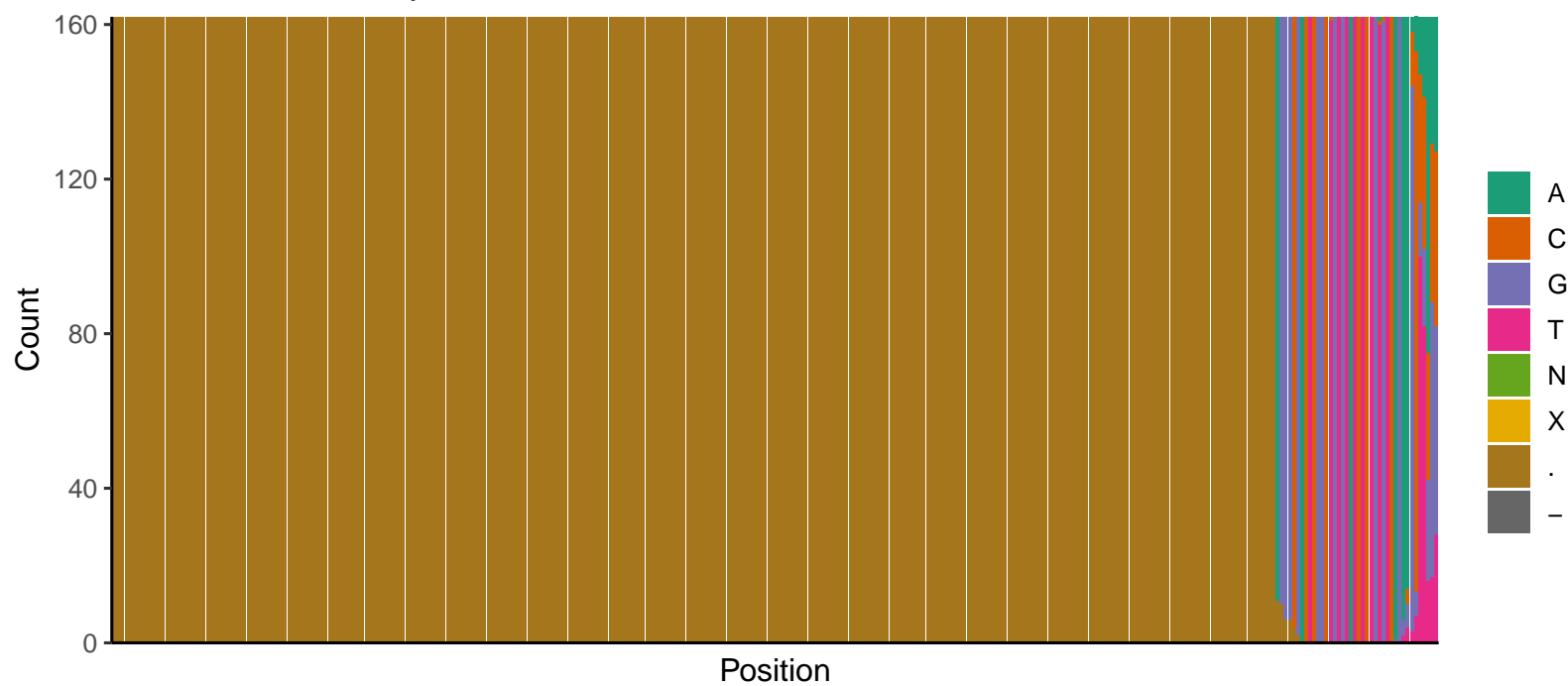
Gene TRBV7-1*ap01_G291C_T296C



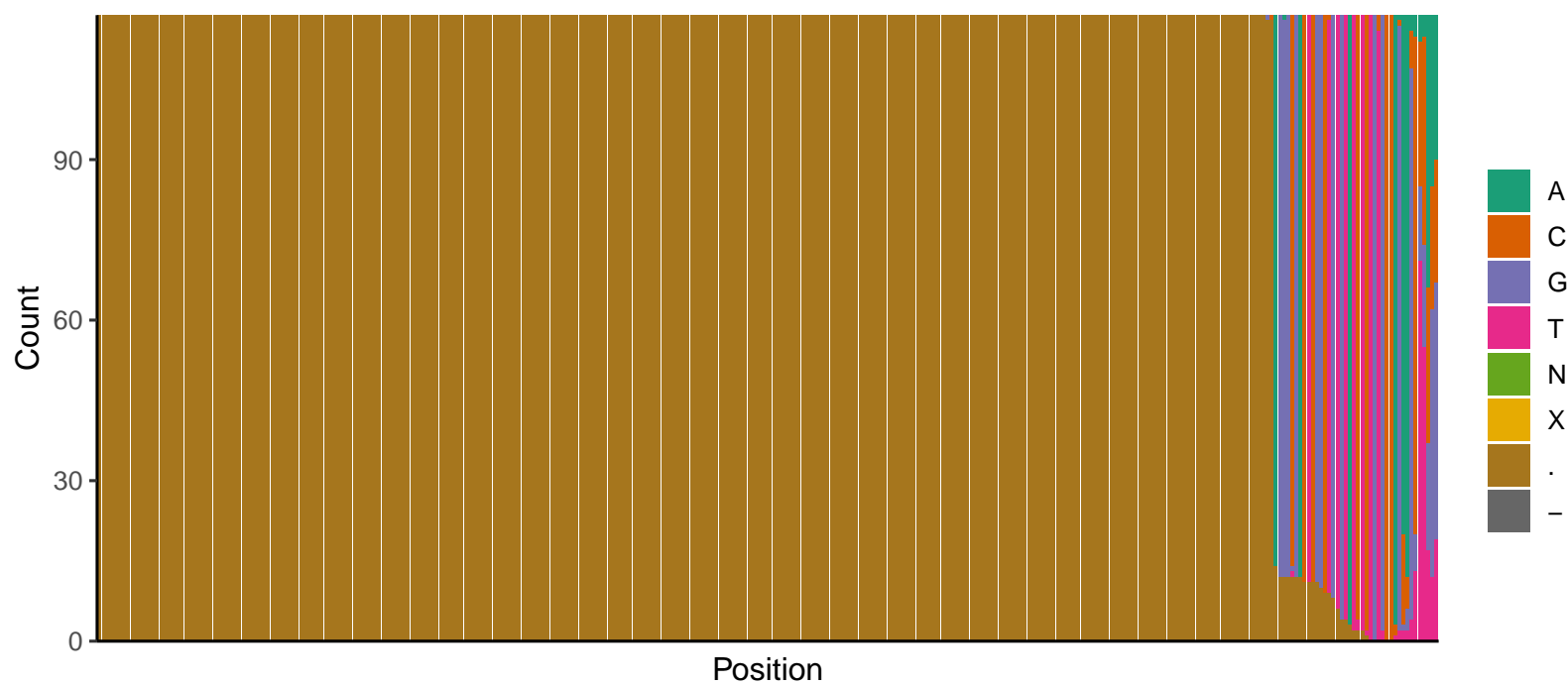
Gene TRBV7-7*ap01_C315T



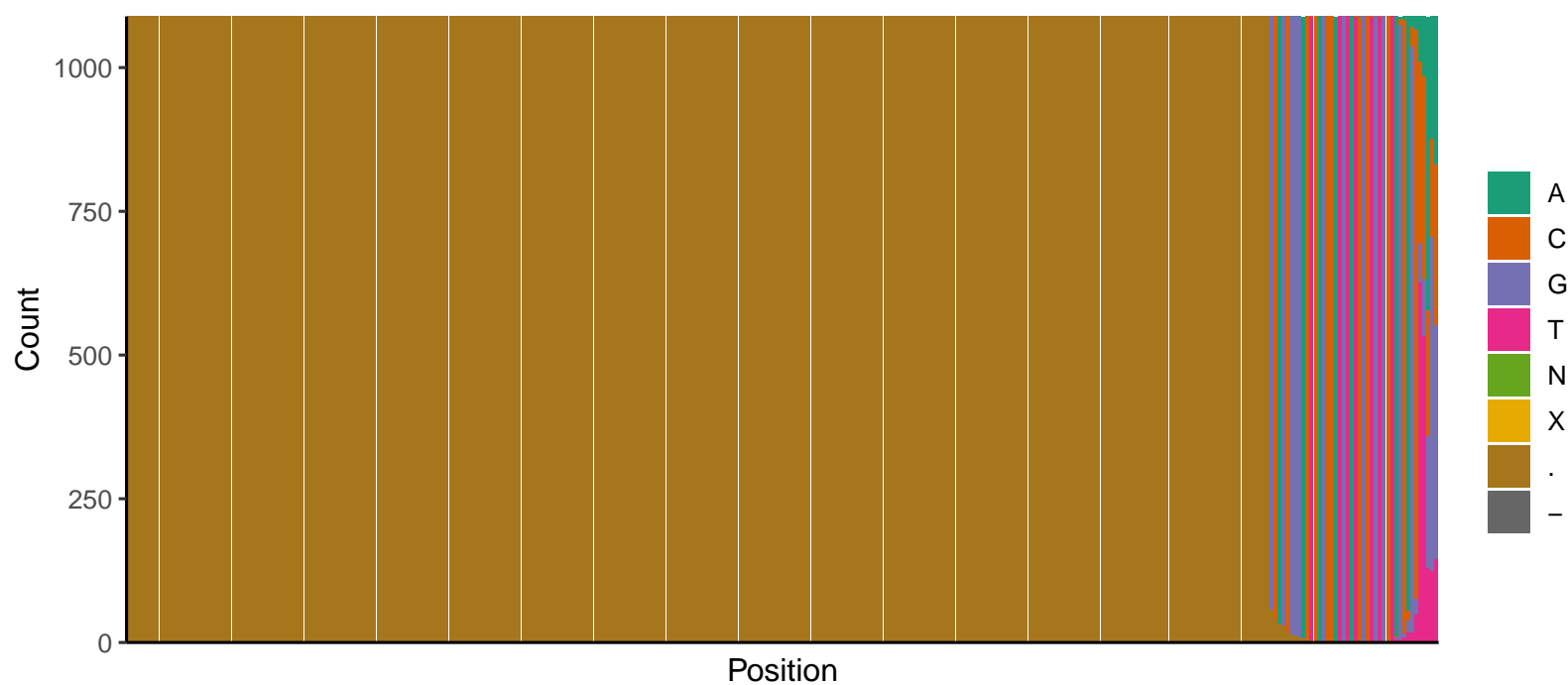
Gene TRBV7-1*ap01_G291C_T296C_C314T



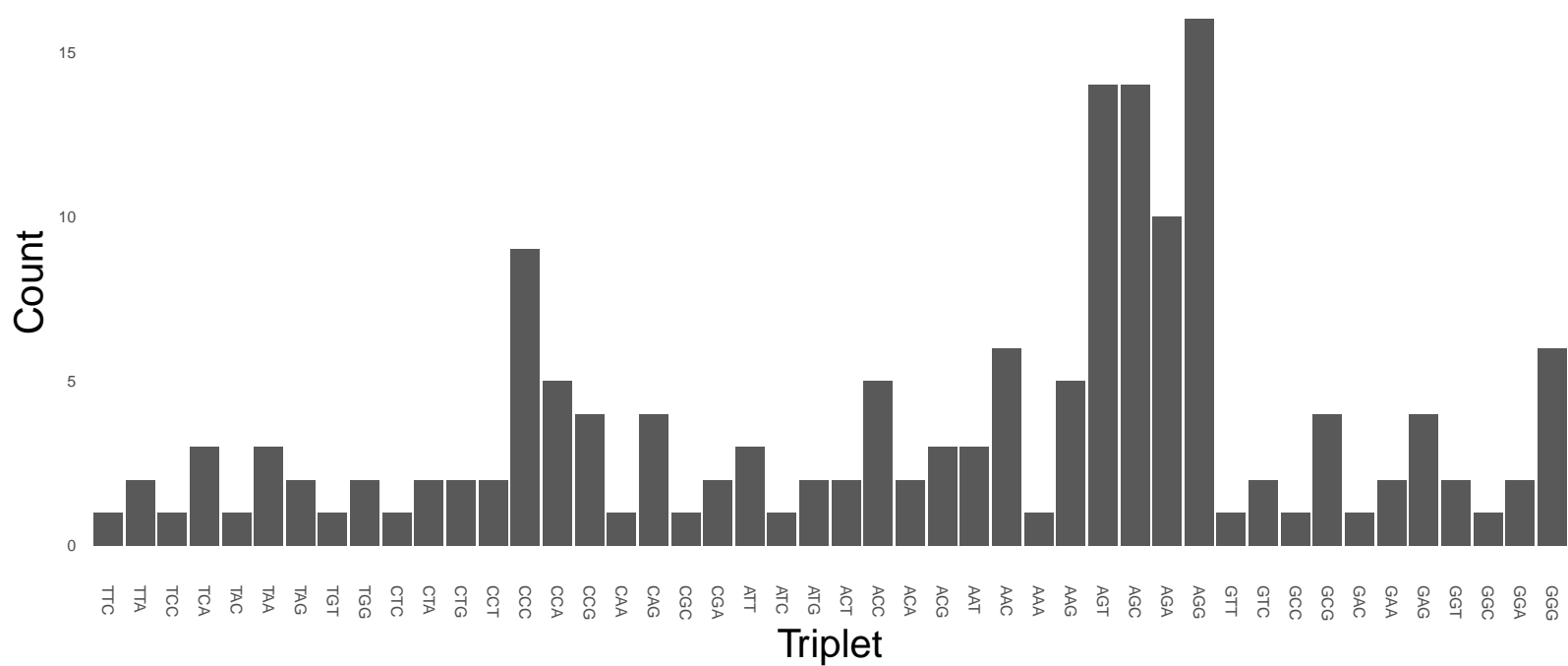
Gene TRBV7-1*ap01_G291C_T296C



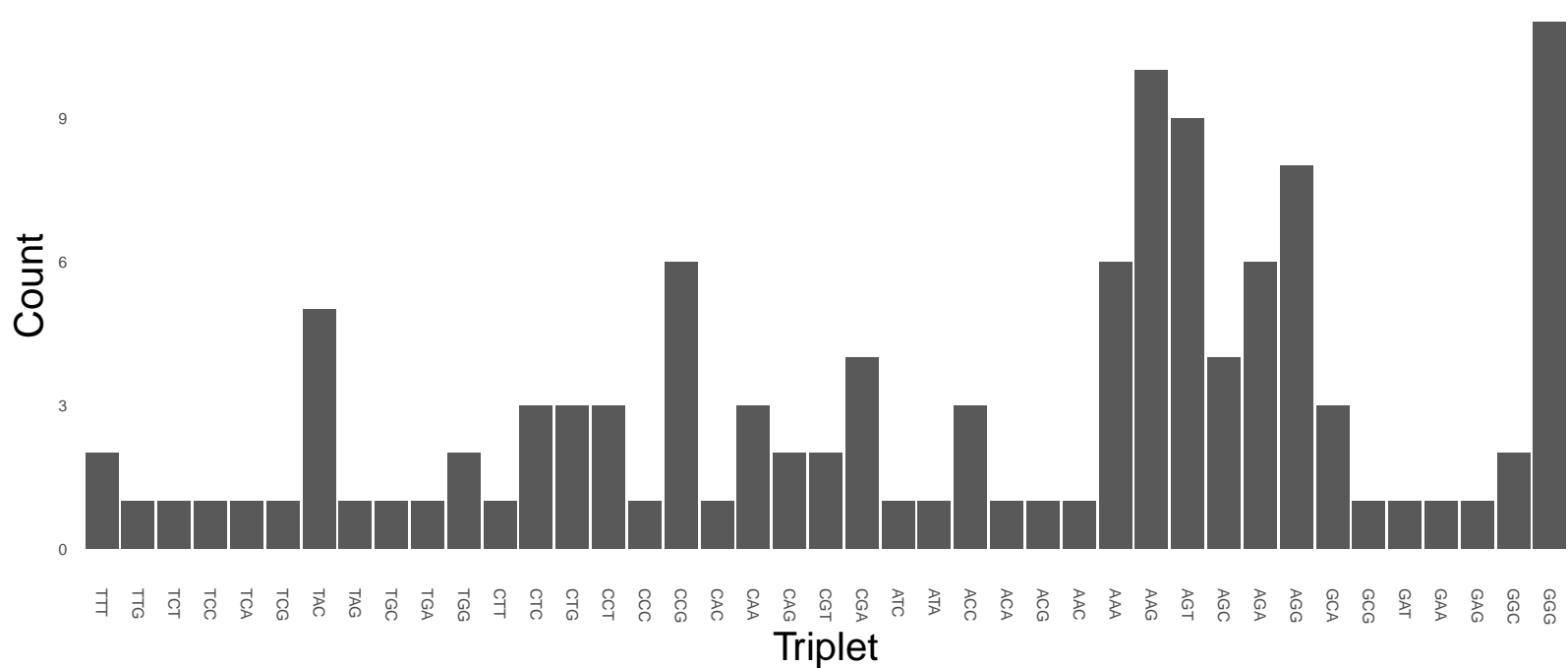
Gene TRBV7-7*ap01_C315T



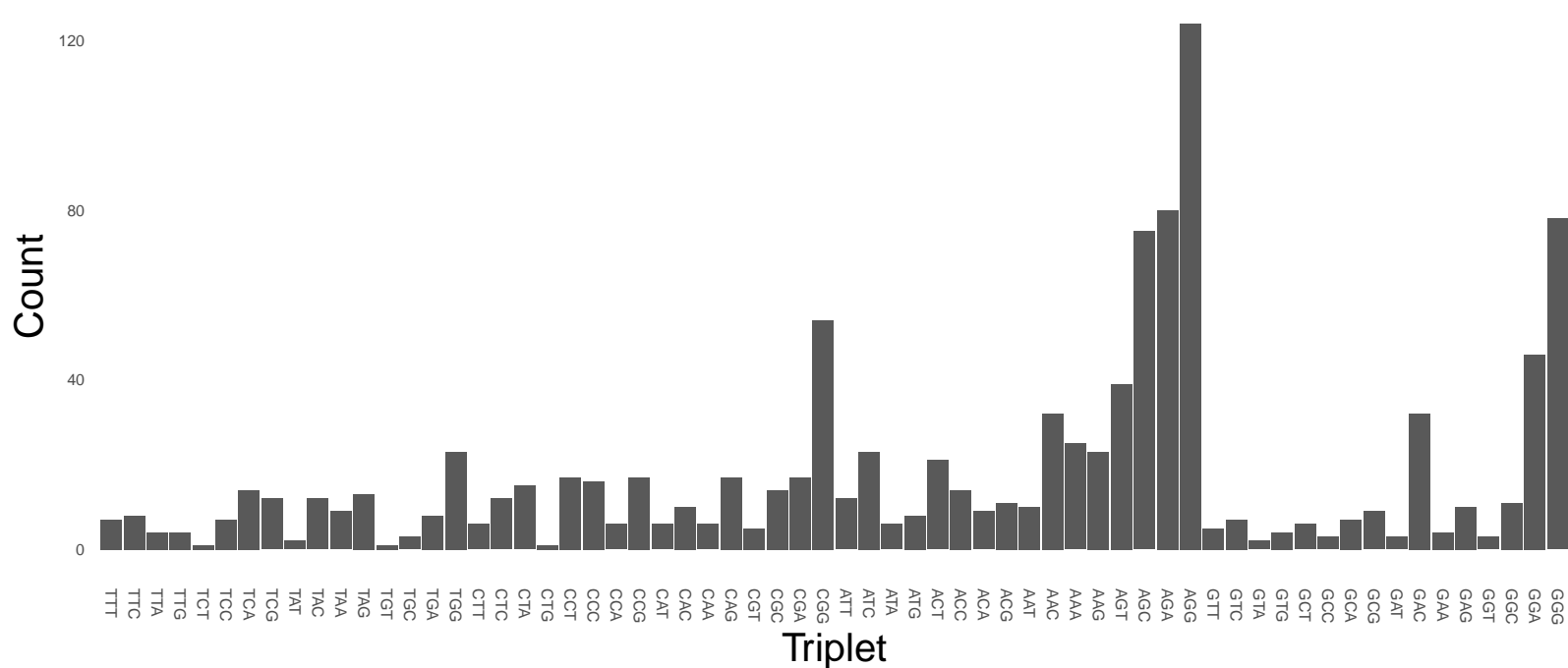
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

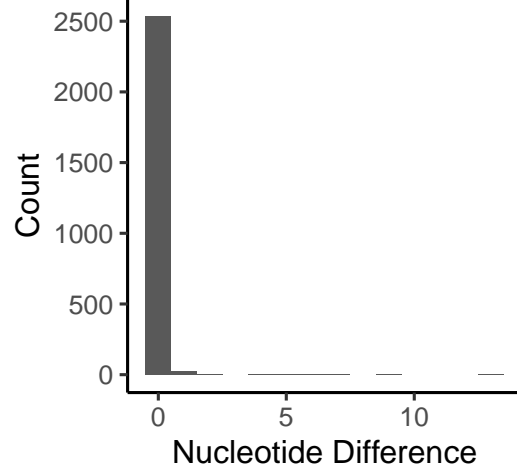


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



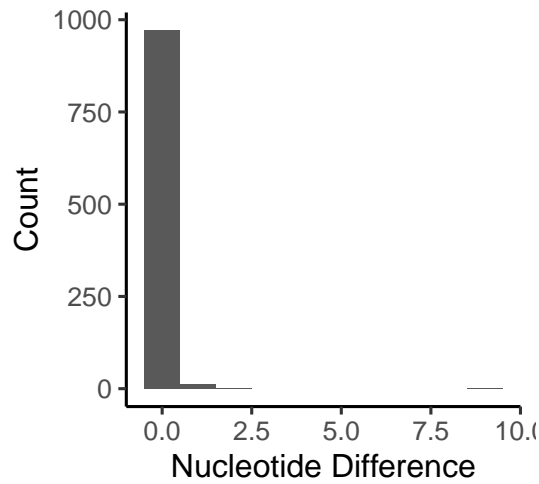
TRBV10-1*ap01

2570 sequences assigned
2534 (98.6%) exact matches, in which:
2464 unique CDR3
13 unique J



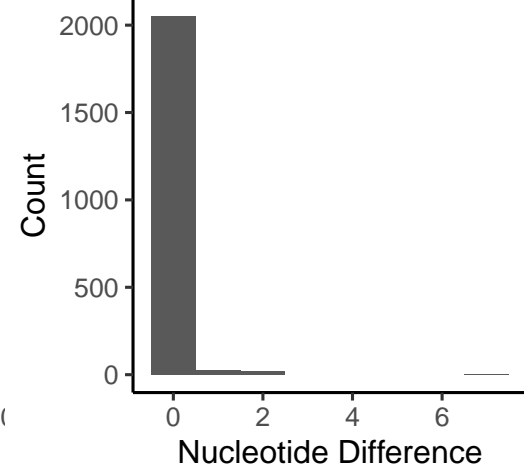
TRBV10-2*ap01

986 sequences assigned
971 (98.5%) exact matches, in which:
950 unique CDR3
13 unique J



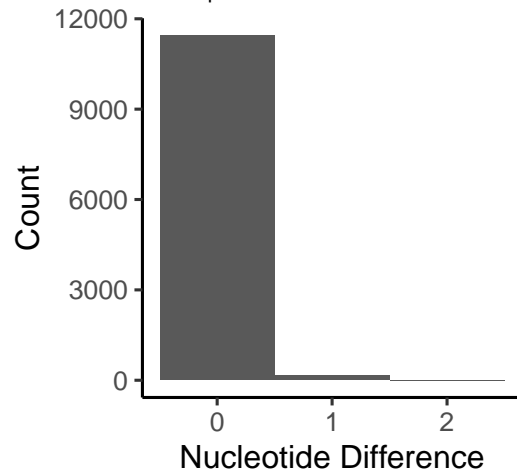
TRBV13*ap01

2097 sequences assigned
2050 (97.8%) exact matches, in which:
1997 unique CDR3
13 unique J



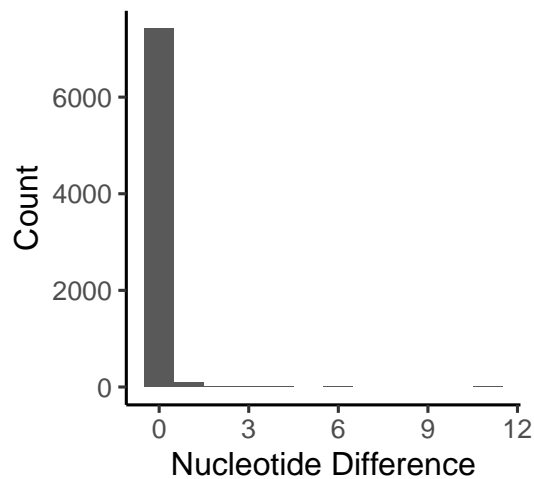
TRBV20-1*ap01

11603 sequences assigned
11446 (98.6%) exact matches, in which:
11206 unique CDR3
13 unique J



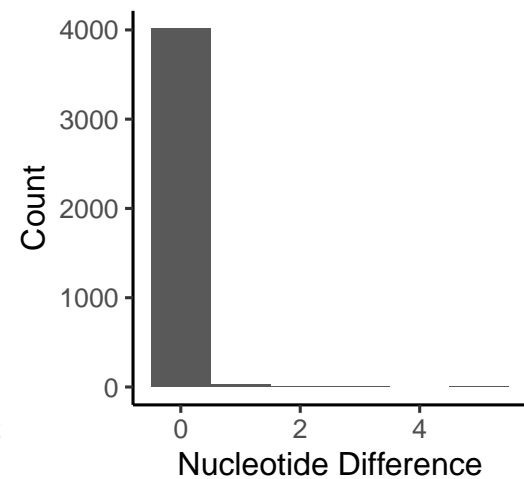
TRBV10-3*ap01

7523 sequences assigned
7416 (98.6%) exact matches, in which:
7256 unique CDR3
13 unique J



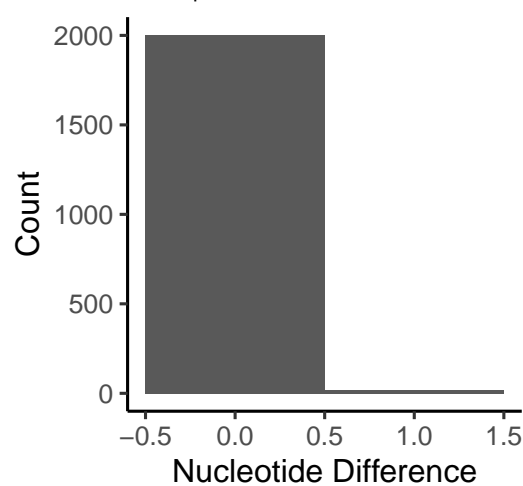
TRBV14*ap01

4049 sequences assigned
4013 (99.1%) exact matches, in which:
3952 unique CDR3
13 unique J



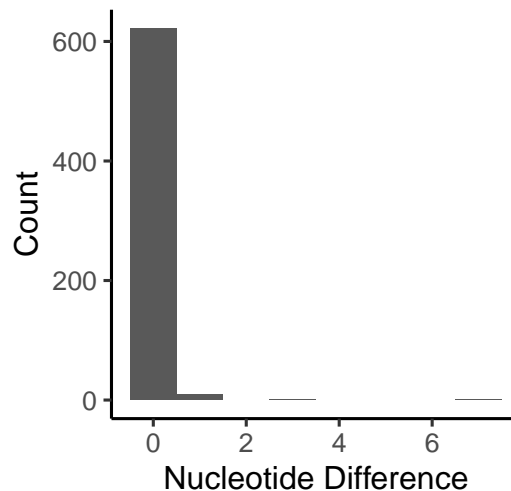
TRBV20-1*ap02

2021 sequences assigned
2002 (99.1%) exact matches, in which:
1956 unique CDR3
14 unique J



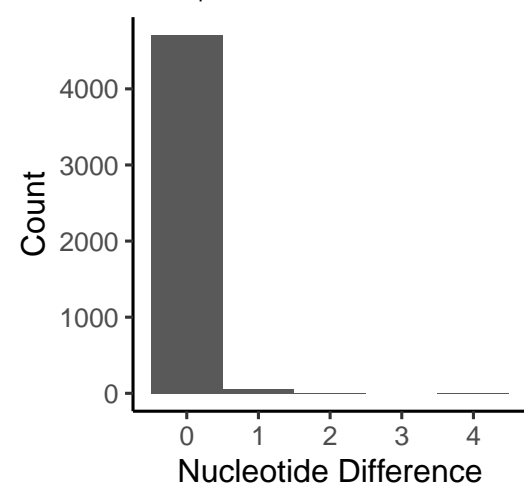
TRBV1*ap01

634 sequences assigned
622 (98.1%) exact matches, in which:
609 unique CDR3
13 unique J



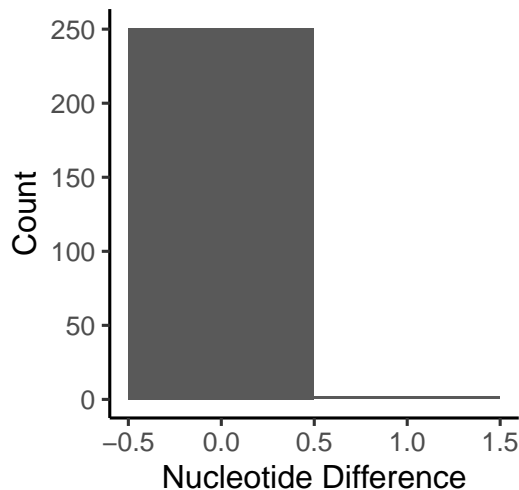
TRBV15*ap02

4764 sequences assigned
4707 (98.8%) exact matches, in which:
4564 unique CDR3
13 unique J



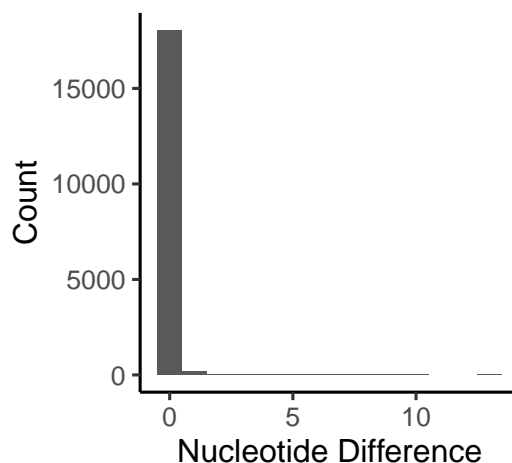
TRBV16*ap01

253 sequences assigned
251 (99.2%) exact matches, in which:
244 unique CDR3
13 unique J



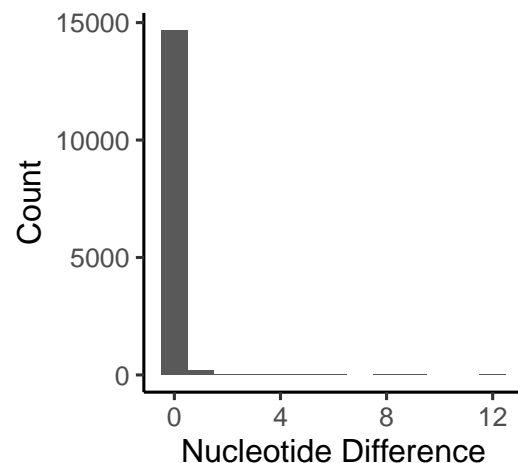
TRBV19*ap01

18285 sequences assigned
18051 (98.7%) exact matches, in which:
17746 unique CDR3
13 unique J



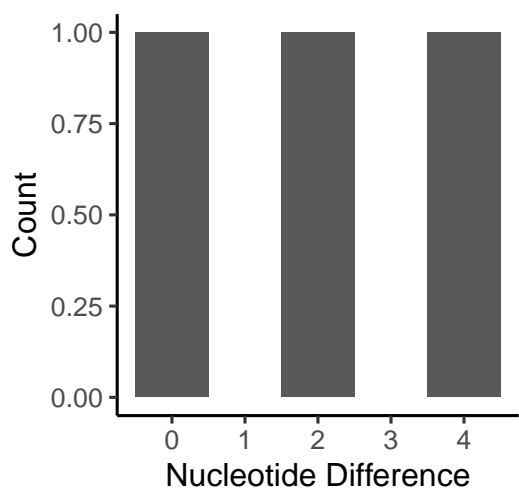
TRBV27*ap01

14892 sequences assigned
14679 (98.6%) exact matches, in which:
14273 unique CDR3
13 unique J



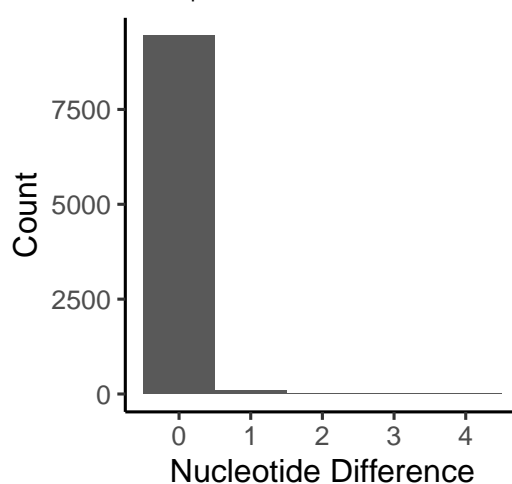
TRBV17*ap01

3 sequences assigned
1 (33.3%) exact matches, in which:
1 unique CDR3
1 unique J



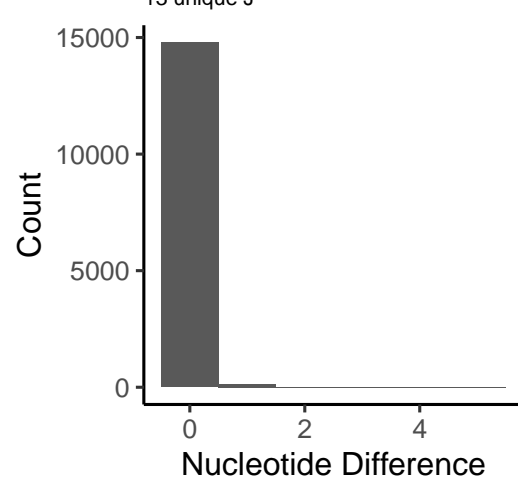
TRBV2*ap01

9549 sequences assigned
9443 (98.9%) exact matches, in which:
9272 unique CDR3
13 unique J



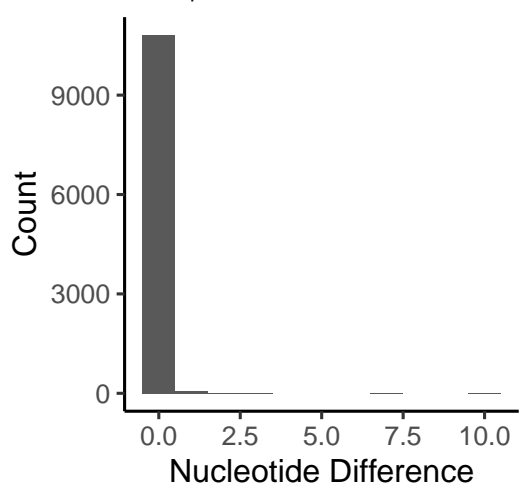
TRBV28*ap01

14934 sequences assigned
14788 (99%) exact matches, in which:
14337 unique CDR3
13 unique J



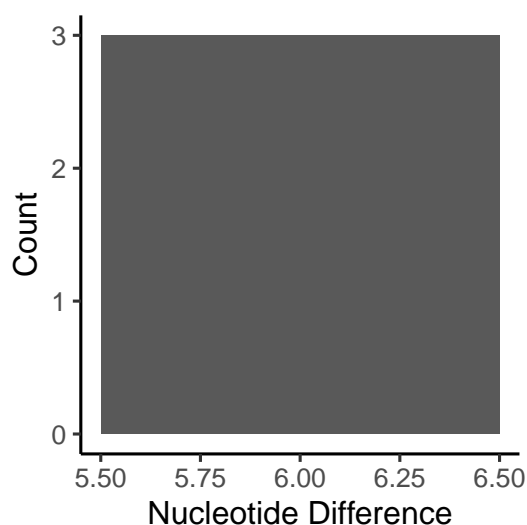
TRBV18*ap01

10882 sequences assigned
10813 (99.4%) exact matches, in which:
10638 unique CDR3
13 unique J



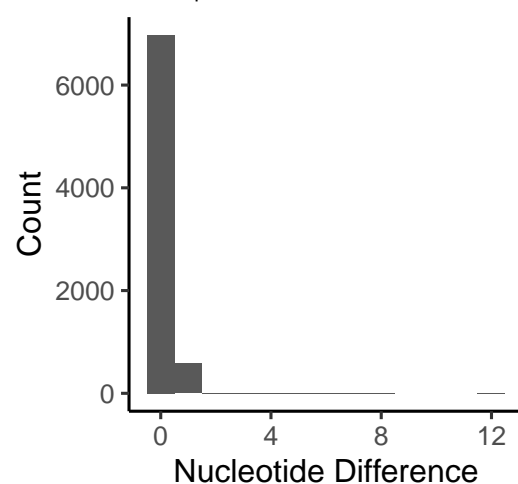
TRBV26*ap01

3 sequences assigned
No exact matches.



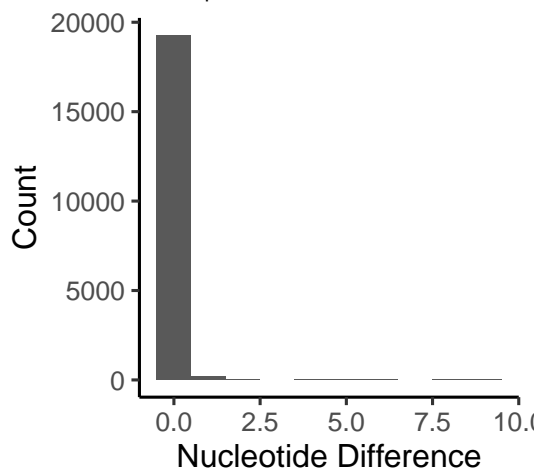
TRBV30*ap01

7582 sequences assigned
6974 (92%) exact matches, in which:
6851 unique CDR3
13 unique J



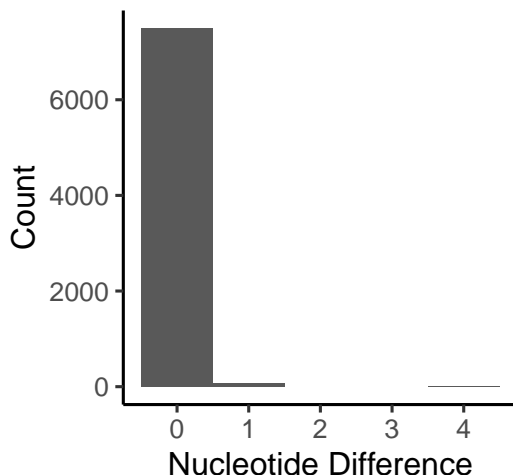
TRBV9*ap01

19502 sequences assigned
19278 (98.9%) exact matches, in which:
18891 unique CDR3
13 unique J



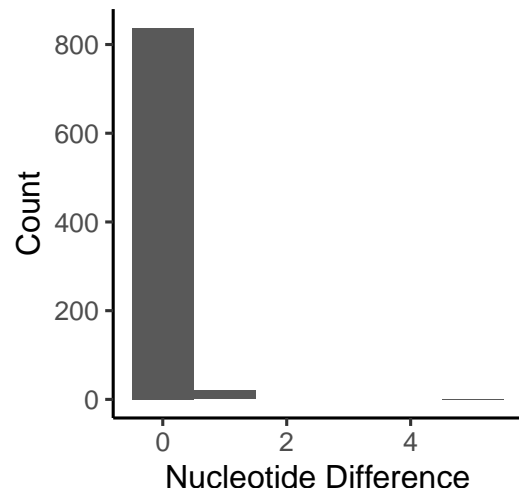
TRBV11-2*ap01

7570 sequences assigned
7492 (99%) exact matches, in which:
7326 unique CDR3
13 unique J



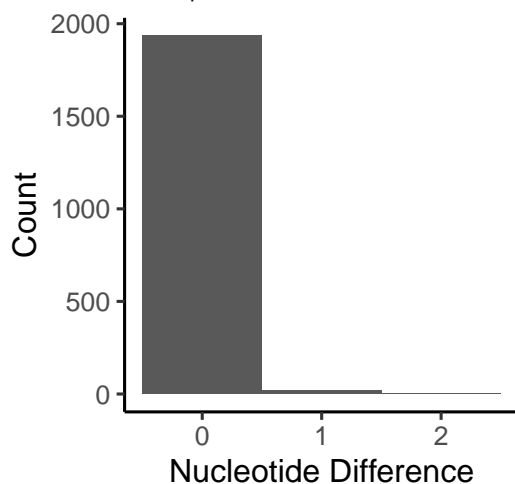
TRBV12-2*ap01

859 sequences assigned
838 (97.6%) exact matches, in which:
816 unique CDR3
13 unique J



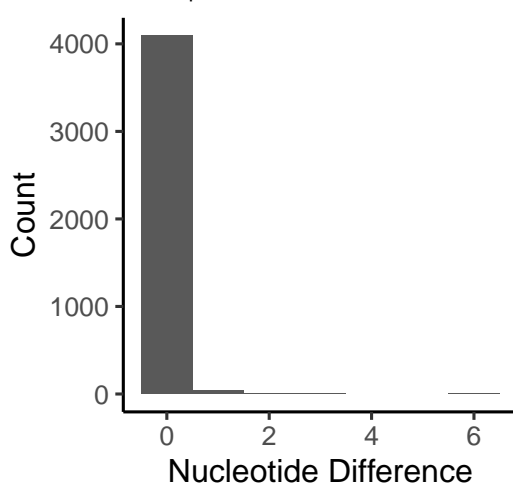
TRBV11-1*ap01

1955 sequences assigned
1935 (99%) exact matches, in which:
1874 unique CDR3
13 unique J



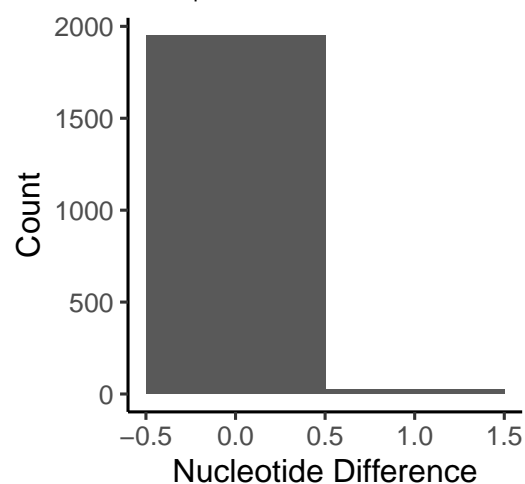
TRBV11-3*ap01

4143 sequences assigned
4093 (98.8%) exact matches, in which:
4010 unique CDR3
13 unique J



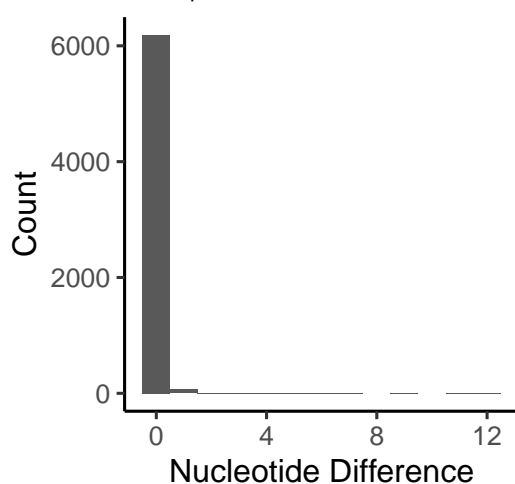
TRBV12-5*ap01

1971 sequences assigned
1949 (98.9%) exact matches, in which:
1903 unique CDR3
13 unique J



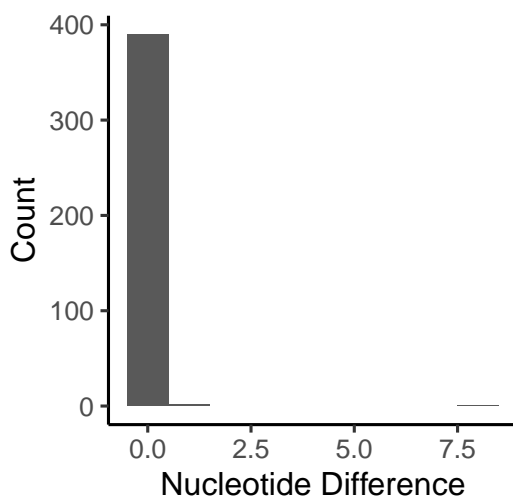
TRBV21-1*ap01

6281 sequences assigned
6186 (98.5%) exact matches, in which:
6054 unique CDR3
13 unique J



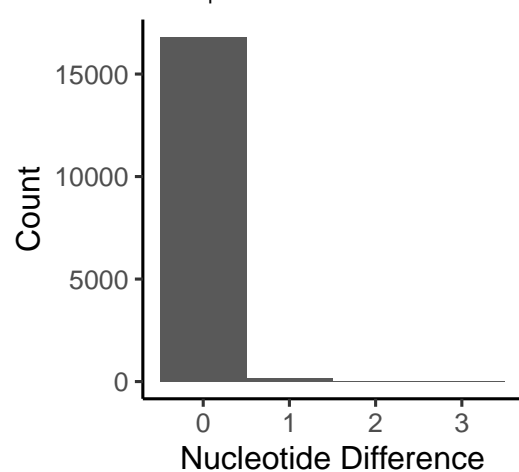
TRBV12-1*ap01

393 sequences assigned
390 (99.2%) exact matches, in which:
383 unique CDR3
13 unique J



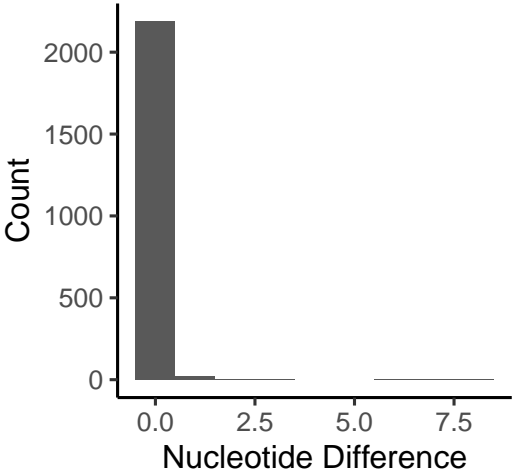
TRBV12-34*ap01

17002 sequences assigned
16817 (98.9%) exact matches, in which:
16429 unique CDR3
13 unique J



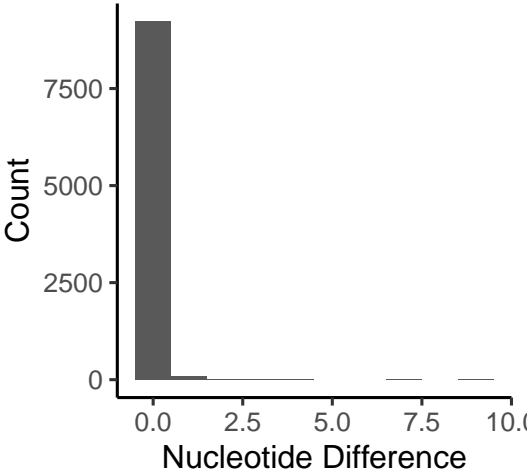
TRBV23-1*ap01

2212 sequences assigned
2188 (98.9%) exact matches, in which:
2145 unique CDR3
14 unique J



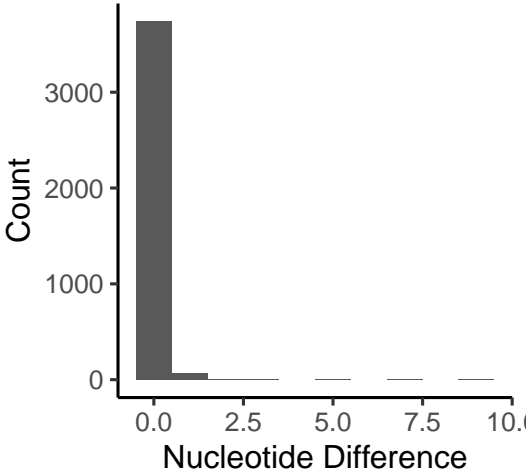
TRBV24-1*ap01

9333 sequences assigned
9230 (98.9%) exact matches, in which:
9064 unique CDR3
13 unique J



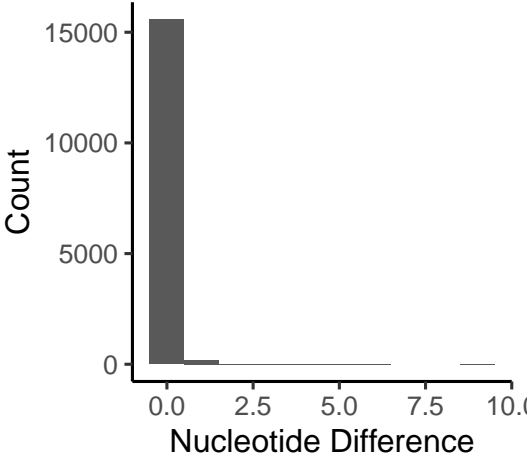
TRBV25-1*ap01

3813 sequences assigned
3739 (98.1%) exact matches, in which:
3672 unique CDR3
13 unique J



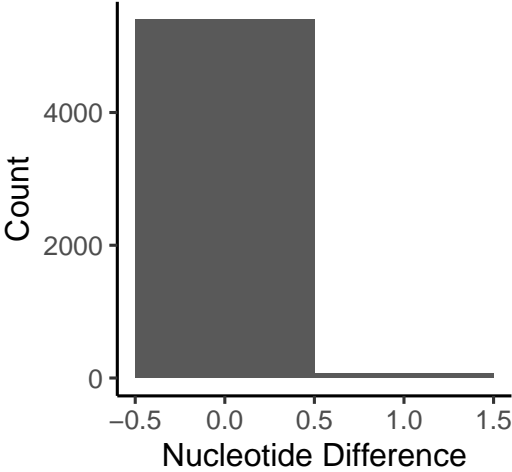
TRBV3-12*ap01

15789 sequences assigned
15577 (98.7%) exact matches, in which:
15217 unique CDR3
13 unique J



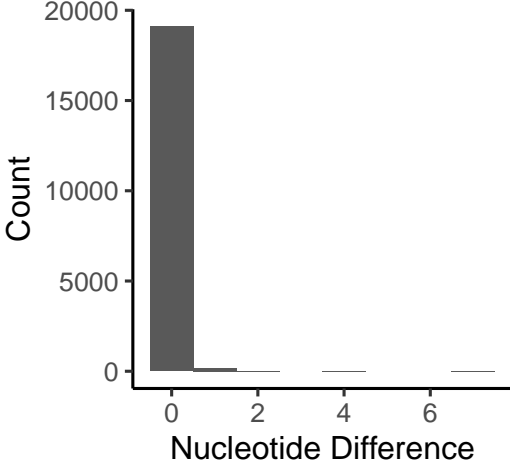
TRBV4-2*ap01

5465 sequences assigned
5398 (98.8%) exact matches, in which:
5275 unique CDR3
13 unique J



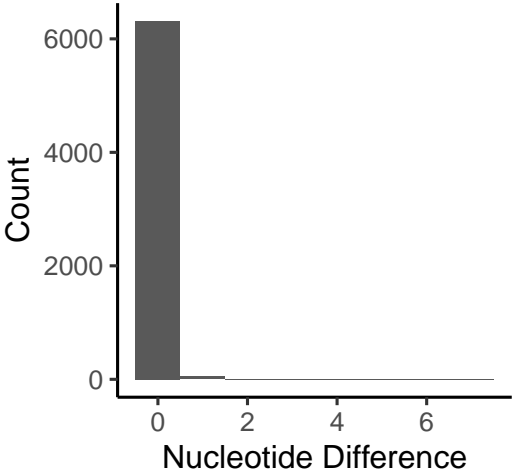
TRBV5-1*ap01

19305 sequences assigned
19104 (99%) exact matches, in which:
18607 unique CDR3
13 unique J



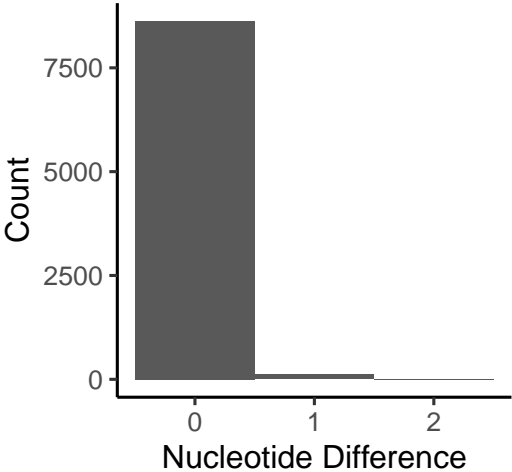
TRBV4-1*ap01

6374 sequences assigned
6314 (99.1%) exact matches, in which:
6178 unique CDR3
13 unique J



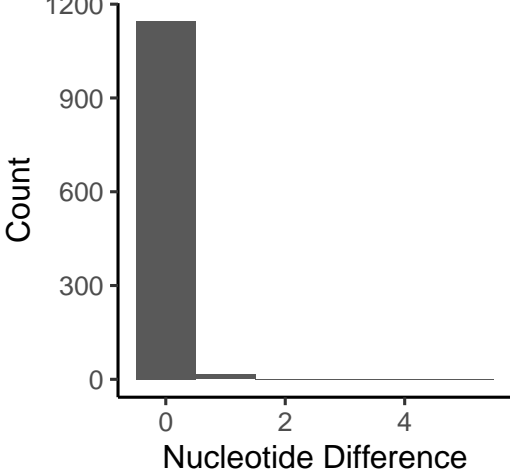
TRBV4-3*ap01

8739 sequences assigned
8626 (98.7%) exact matches, in which:
8399 unique CDR3
13 unique J



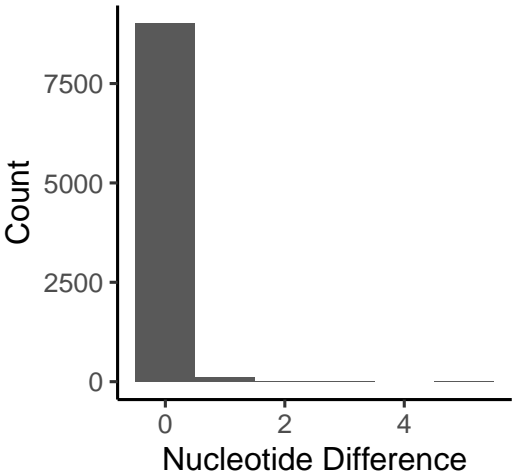
TRBV5-3*ap01

1166 sequences assigned
1146 (98.3%) exact matches, in which:
1128 unique CDR3
13 unique J



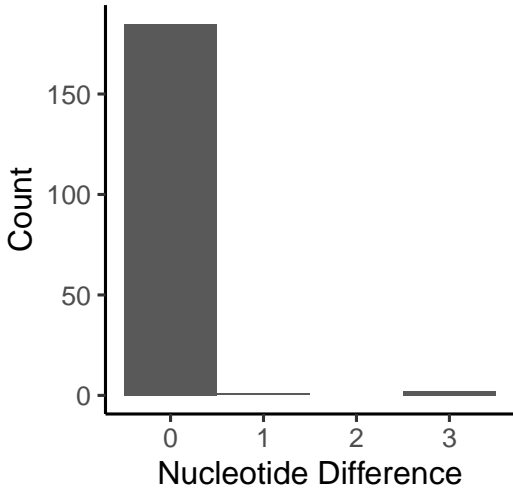
TRBV5-4*ap01

9119 sequences assigned
9013 (98.8%) exact matches, in which:
8763 unique CDR3
13 unique J



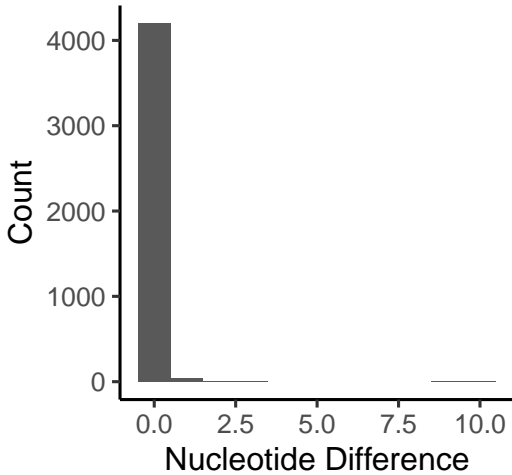
TRBV5-7*ap01

188 sequences assigned
185 (98.4%) exact matches, in which:
181 unique CDR3
13 unique J



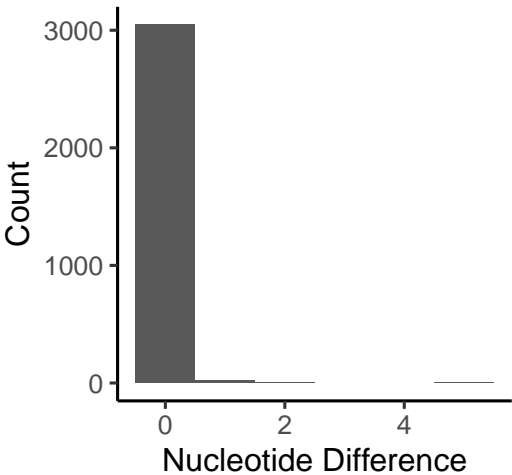
TRBV6-4*ap01

4252 sequences assigned
4199 (98.8%) exact matches, in which:
4105 unique CDR3
13 unique J



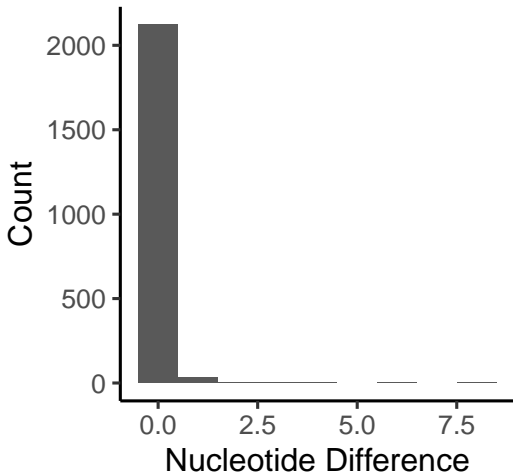
TRBV5-5*ap01

3069 sequences assigned
3047 (99.3%) exact matches, in which:
3007 unique CDR3
13 unique J



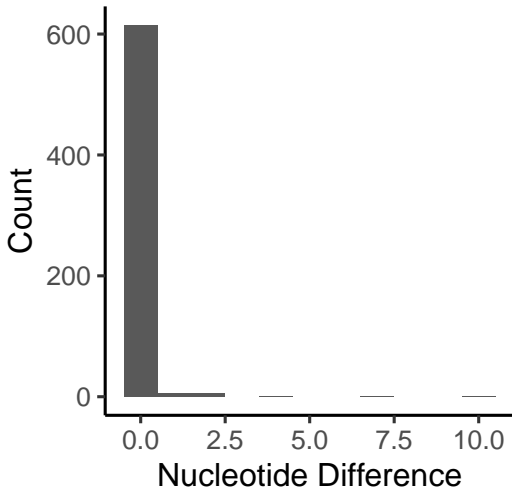
TRBV5-8*ap01

2159 sequences assigned
2122 (98.3%) exact matches, in which:
2072 unique CDR3
13 unique J



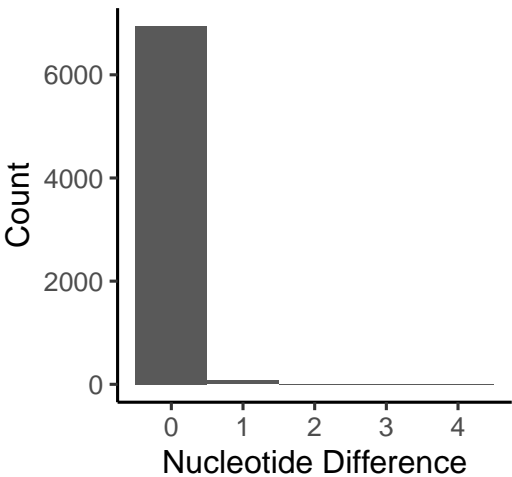
TRBV6-7*ap01

629 sequences assigned
615 (97.8%) exact matches, in which:
602 unique CDR3
13 unique J



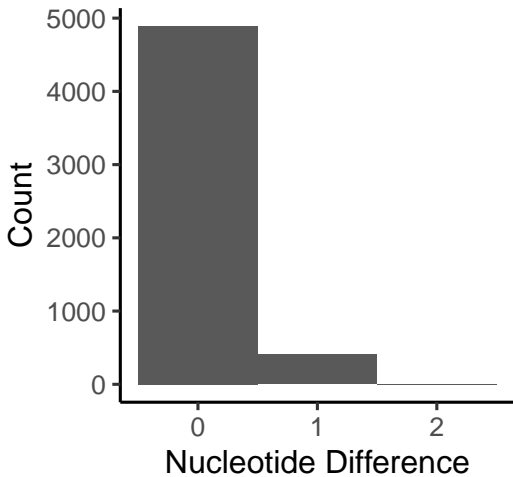
TRBV5-6*ap01

7020 sequences assigned
6945 (98.9%) exact matches, in which:
6780 unique CDR3
13 unique J



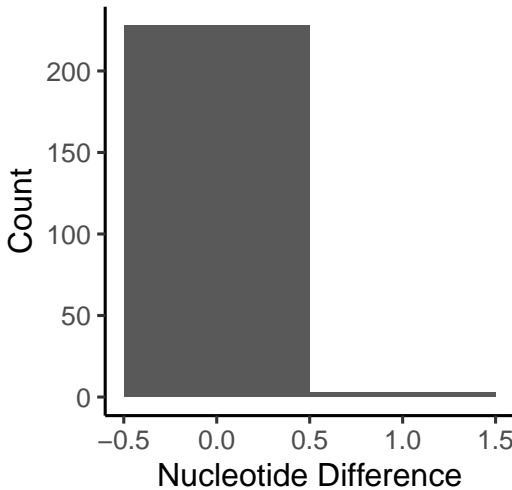
TRBV6-1*ap01

5306 sequences assigned
4892 (92.2%) exact matches, in which:
4767 unique CDR3
13 unique J



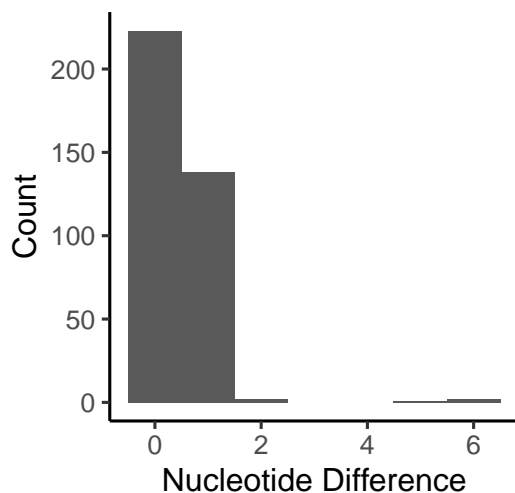
TRBV6-8*ap01

231 sequences assigned
228 (98.7%) exact matches, in which:
222 unique CDR3
13 unique J



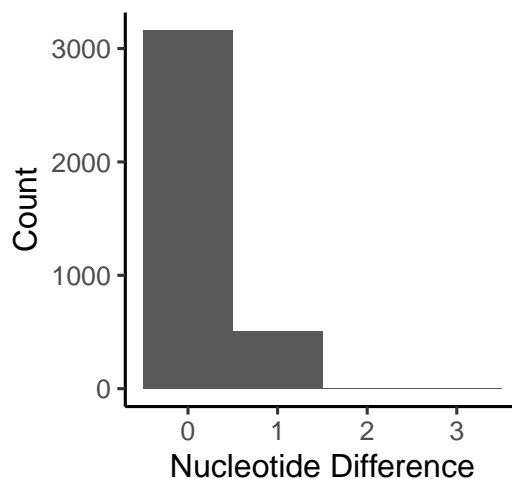
TRBV6-9*ap01

366 sequences assigned
223 (60.9%) exact matches, in which:
220 unique CDR3
13 unique J



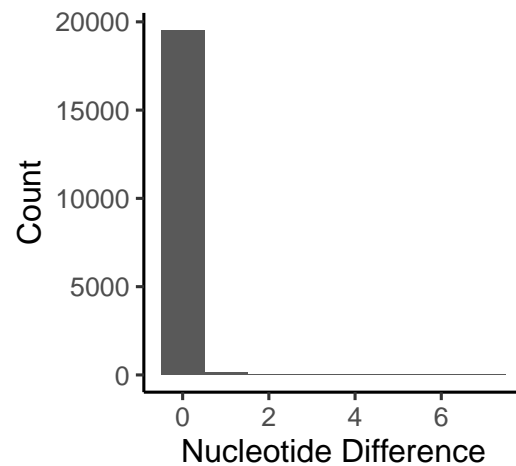
TRBV6-56*ap02

3678 sequences assigned
3160 (85.9%) exact matches, in which:
3064 unique CDR3
13 unique J



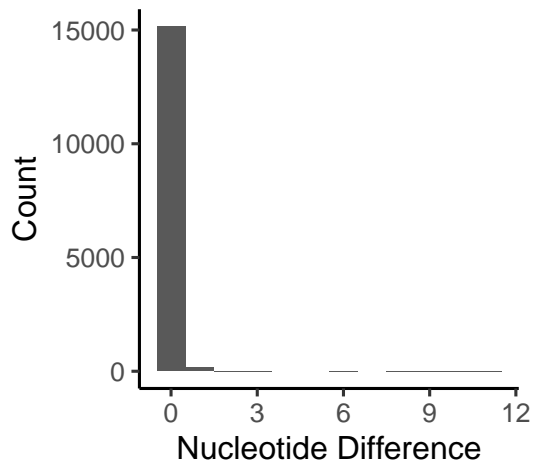
TRBV7-2*ap01

19700 sequences assigned
19529 (99.1%) exact matches, in which:
19079 unique CDR3
13 unique J



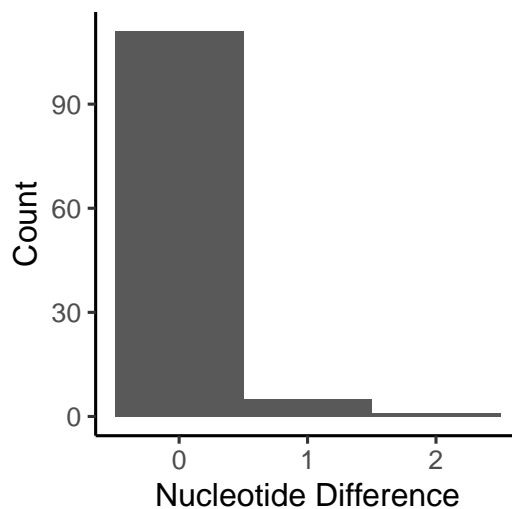
TRBV6-23*ap01

15331 sequences assigned
15155 (98.9%) exact matches, in which:
14747 unique CDR3
13 unique J



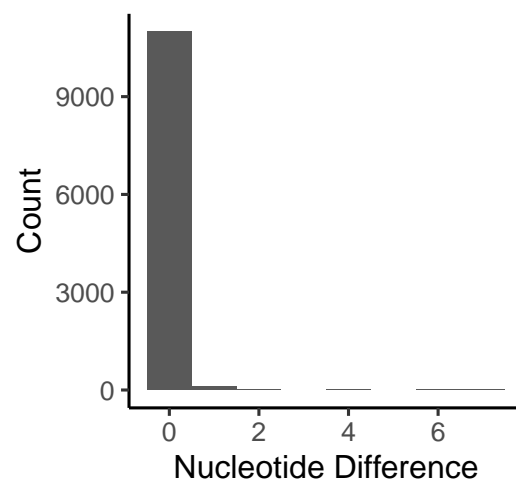
TRBV7-1*ap01_G291C_T

117 sequences assigned
111 (94.9%) exact matches, in which:
107 unique CDR3
12 unique J



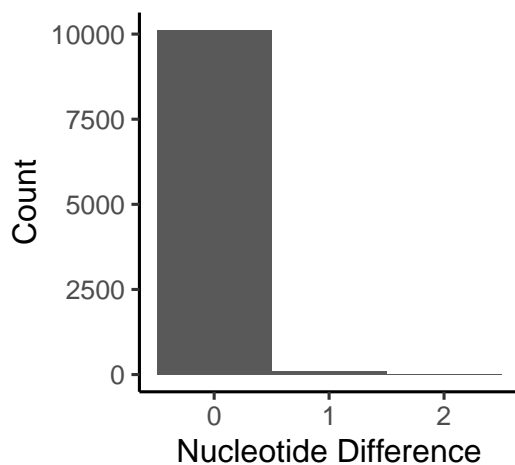
TRBV7-3*ap01

11095 sequences assigned
10991 (99.1%) exact matches, in which:
10782 unique CDR3
13 unique J



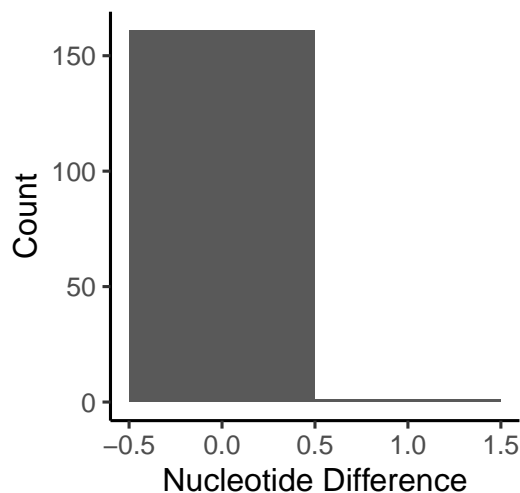
TRBV6-56*ap01

10244 sequences assigned
10126 (98.8%) exact matches, in which:
9898 unique CDR3
13 unique J



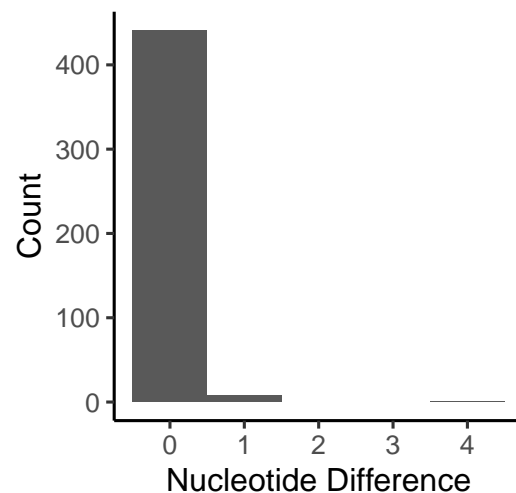
TRBV7-1*ap01_G291C_

162 sequences assigned
161 (99.4%) exact matches, in which:
158 unique CDR3
13 unique J



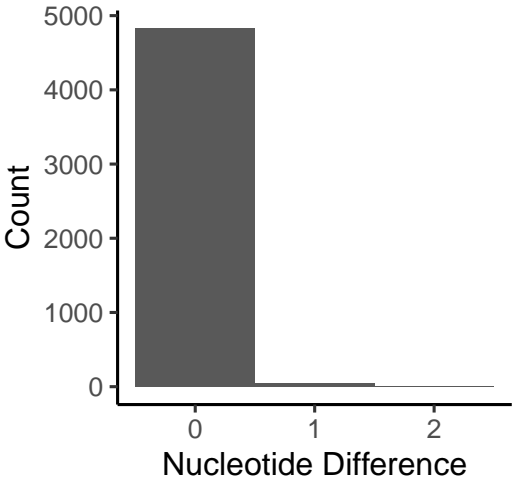
TRBV7-4*ap01

450 sequences assigned
441 (98%) exact matches, in which:
431 unique CDR3
13 unique J



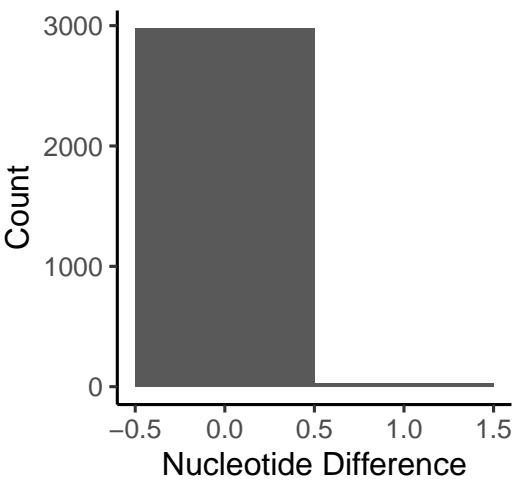
TRBV7-6*ap01

4880 sequences assigned
4828 (98.9%) exact matches, in which:
4702 unique CDR3
13 unique J



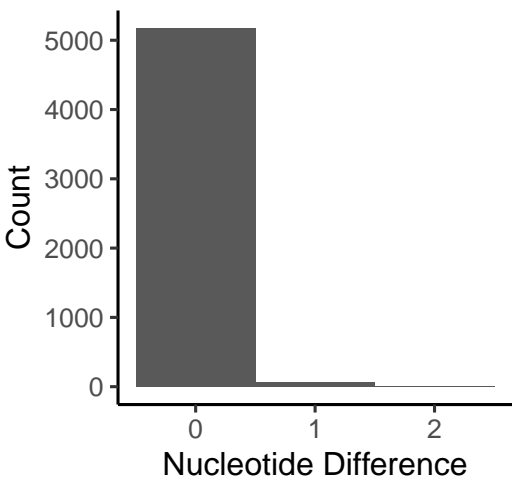
TRBV7-8*ap01

3009 sequences assigned
2977 (98.9%) exact matches, in which:
2908 unique CDR3
13 unique J



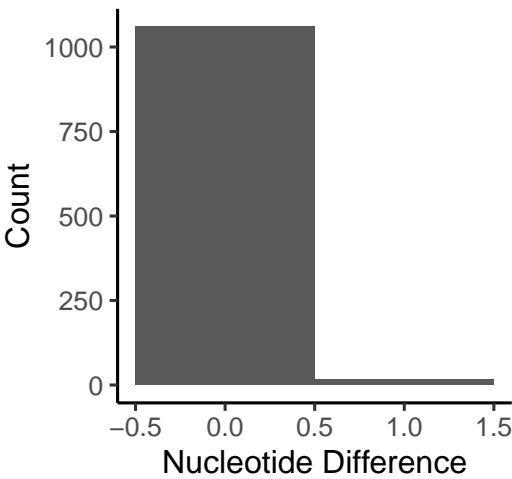
TRBV29-1*ap01

5230 sequences assigned
5171 (98.9%) exact matches, in which:
5053 unique CDR3
13 unique J



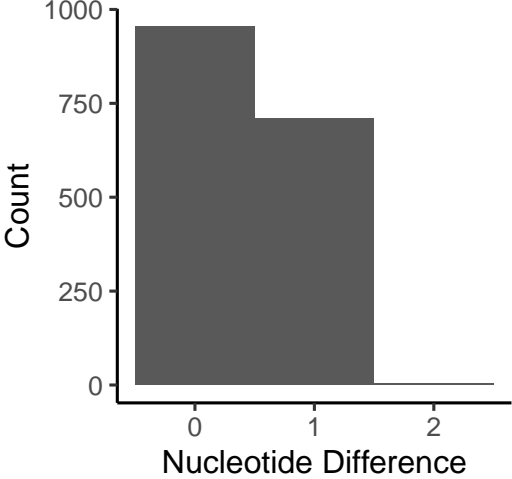
TRBV7-7*ap01

1077 sequences assigned
1060 (98.4%) exact matches, in which:
1037 unique CDR3
13 unique J



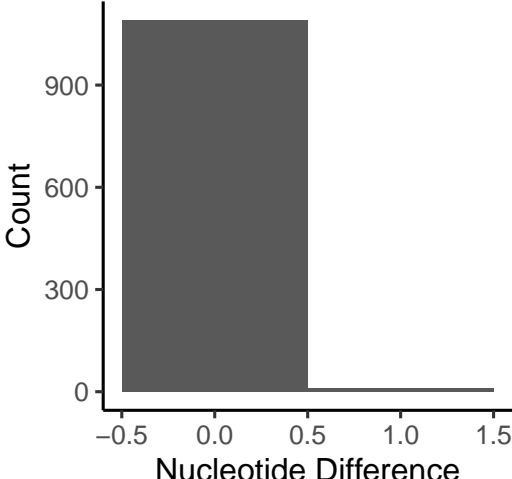
TRBV7-8*ap03

1668 sequences assigned
954 (57.2%) exact matches, in which:
928 unique CDR3
13 unique J



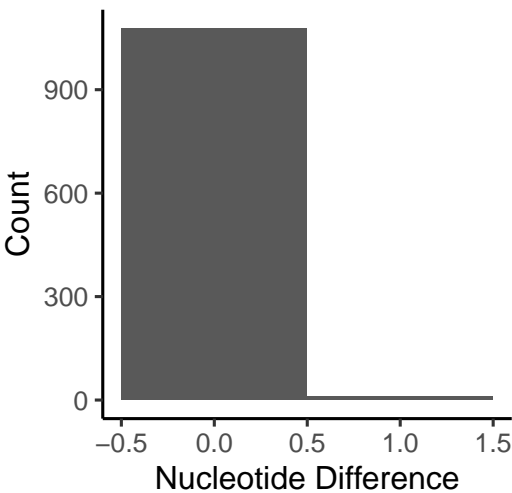
TRBV29-1*ap02

1102 sequences assigned
1091 (99%) exact matches, in which:
1065 unique CDR3
13 unique J



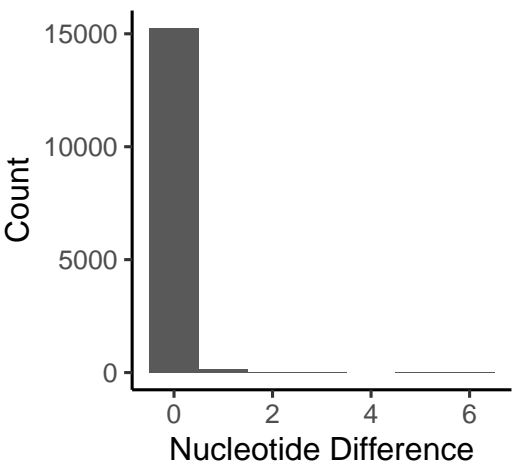
TRBV7-7*ap01_C315T

1089 sequences assigned
1078 (99%) exact matches, in which:
1052 unique CDR3
13 unique J

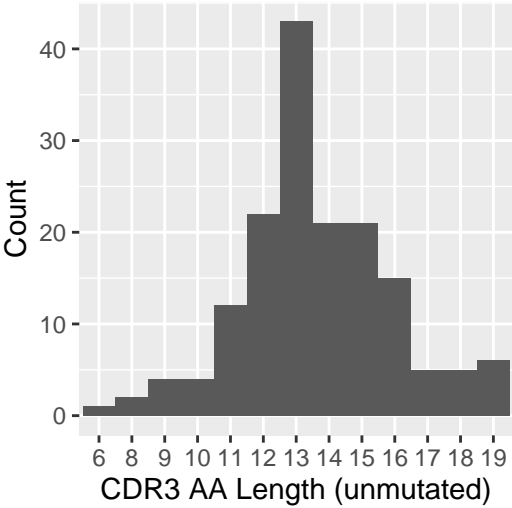


TRBV7-9*ap01

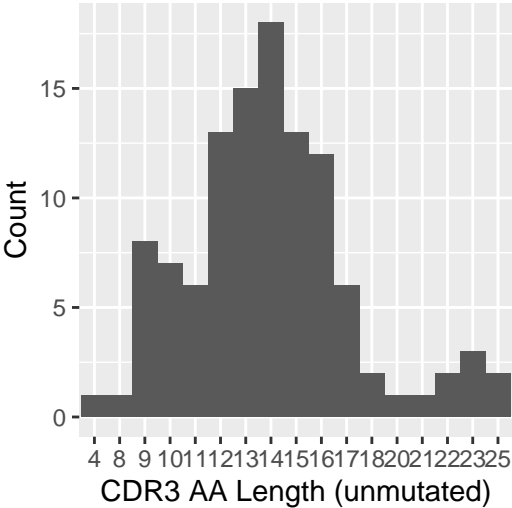
15419 sequences assigned
15266 (99%) exact matches, in which:
14980 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

