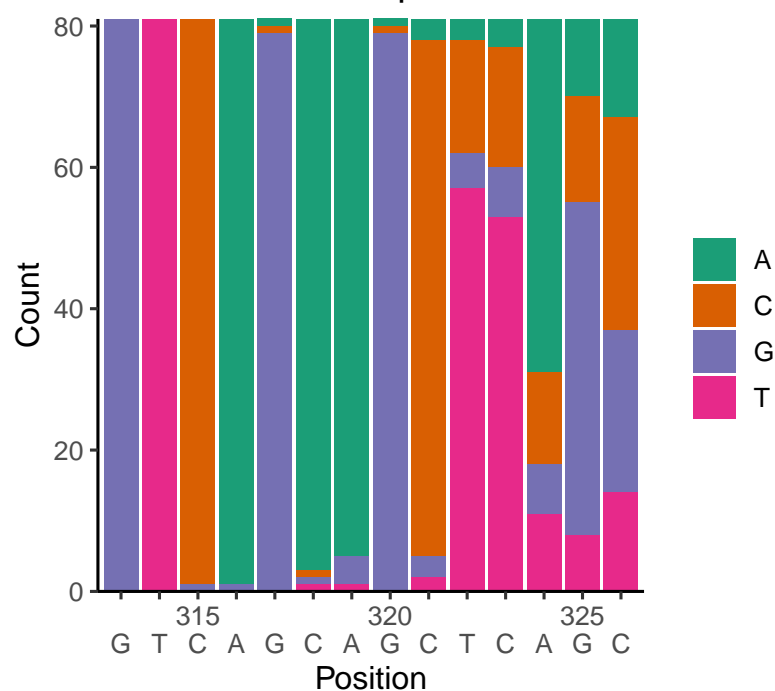
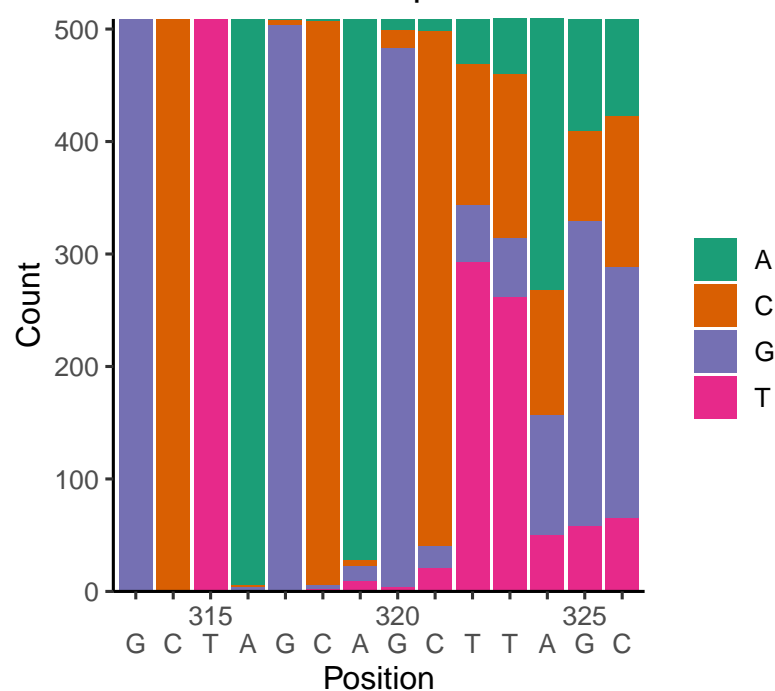


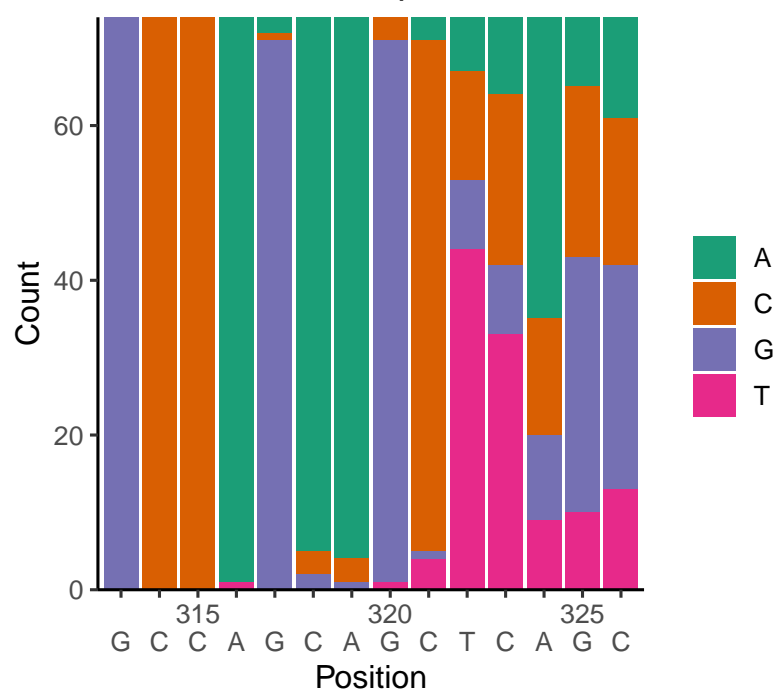
Gene TRBV7-1*ap01_G291C_T296C_C3



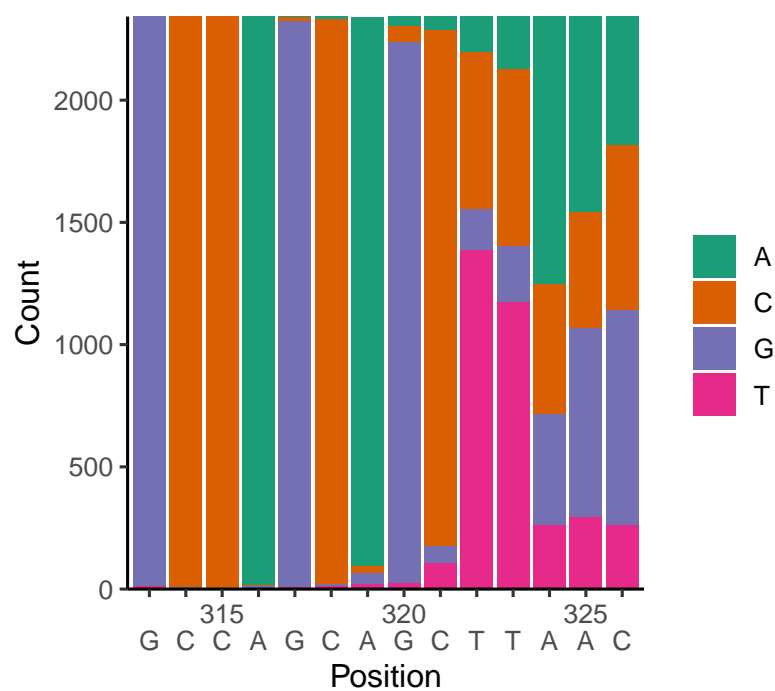
Gene TRBV7-7*ap01_C315T



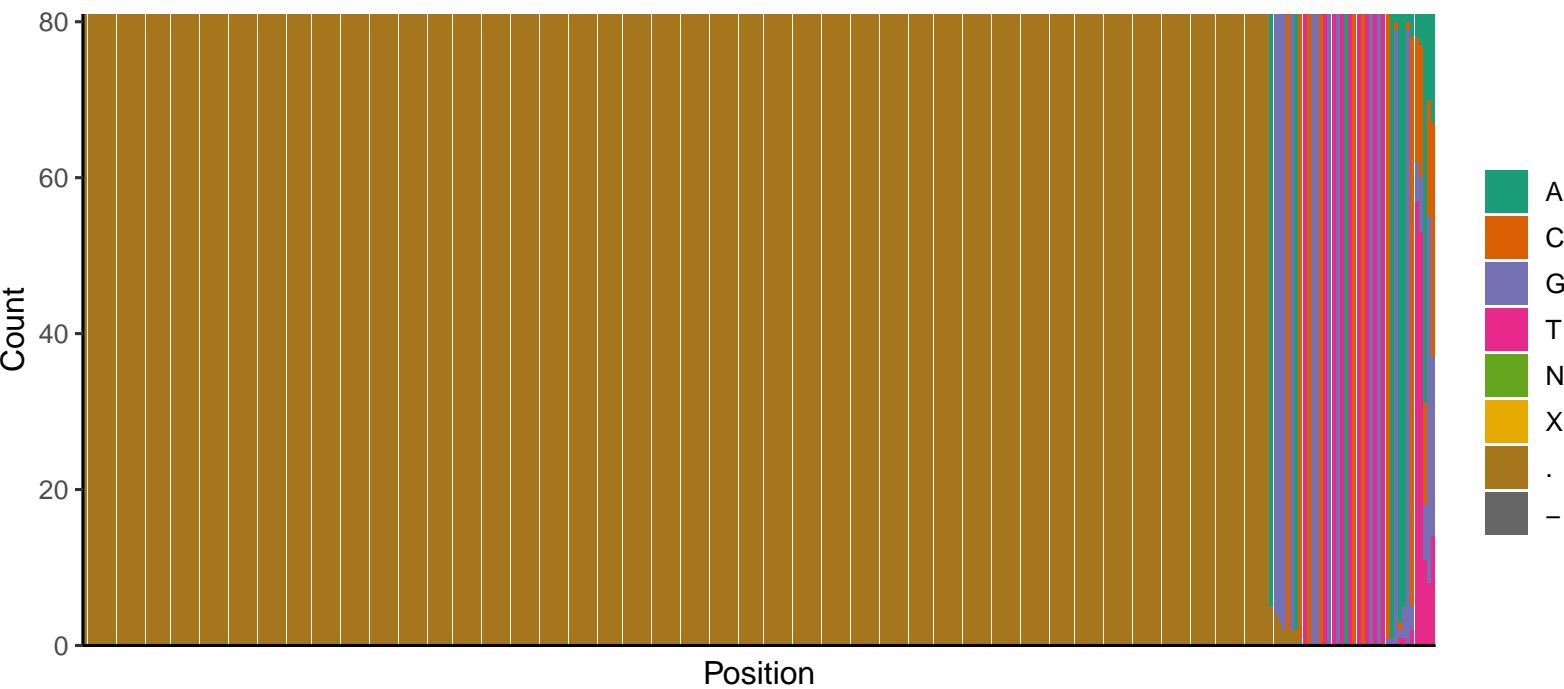
Gene TRBV7-1*ap01_G291C_T296C



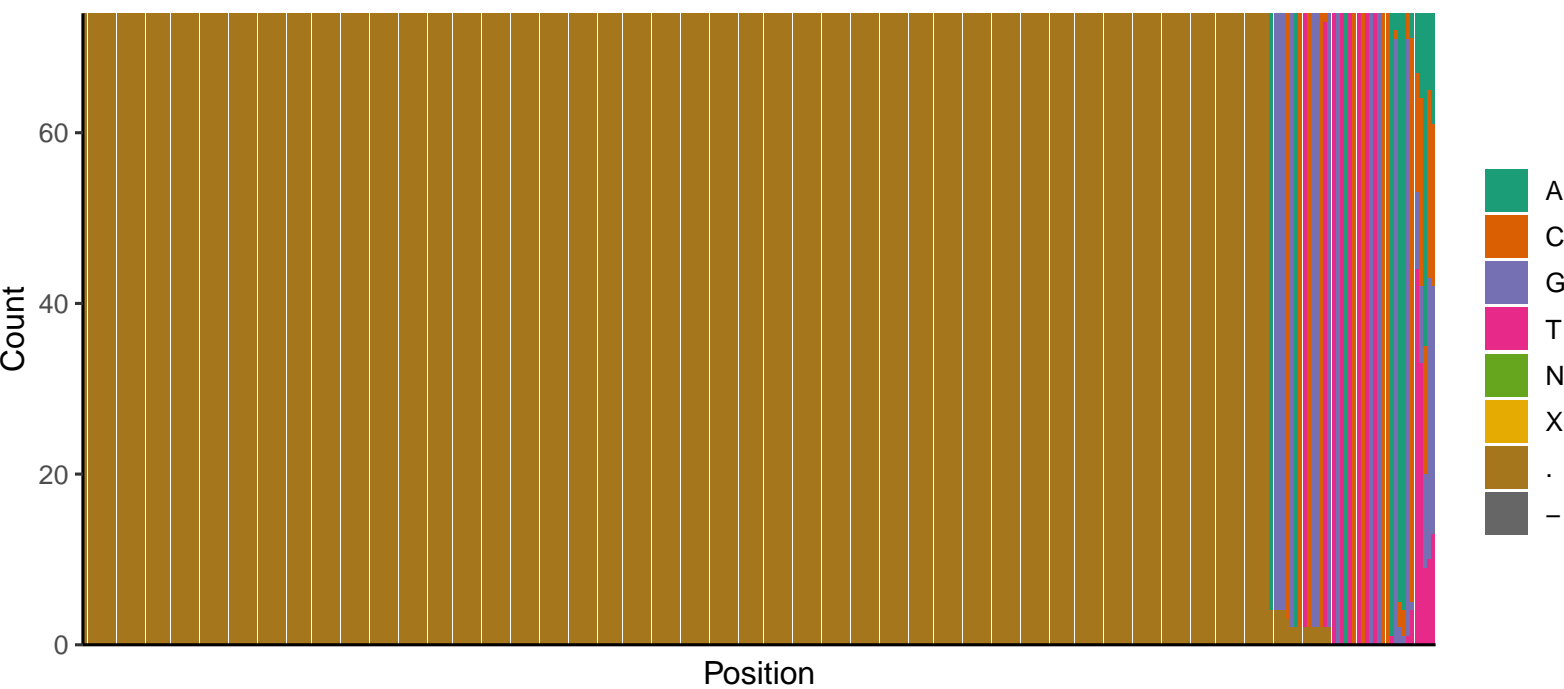
Gene TRBV7-3*ap01_G301A



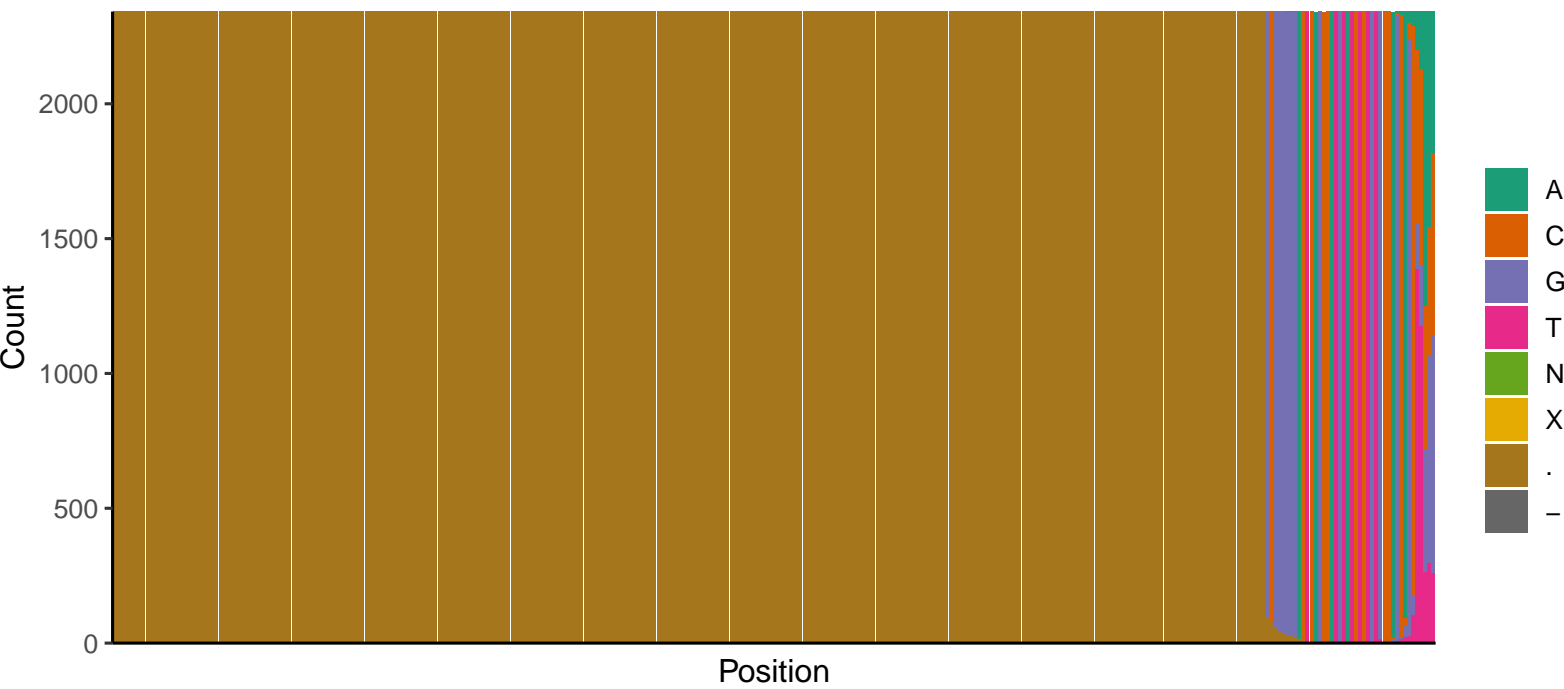
Gene TRBV7-1*ap01_G291C_T296C_C314T



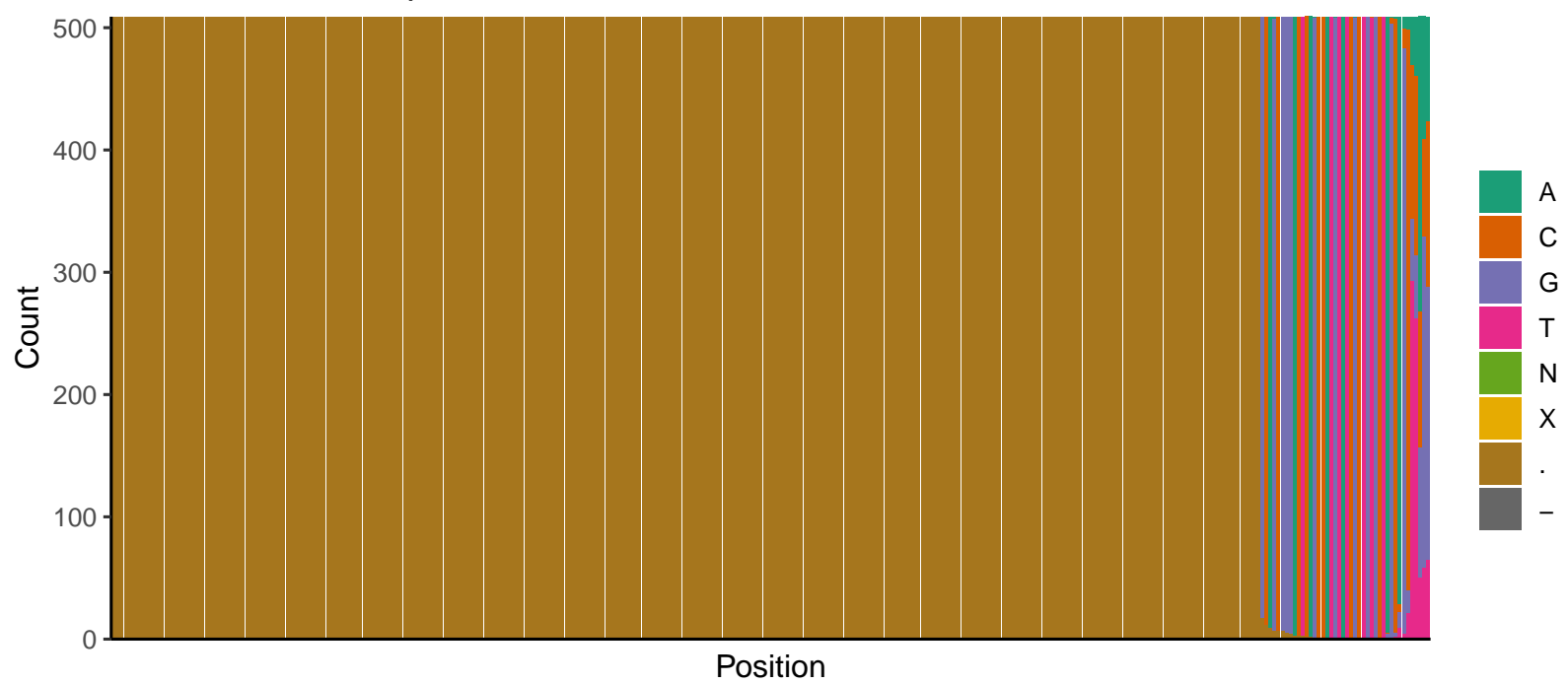
Gene TRBV7-1*ap01_G291C_T296C



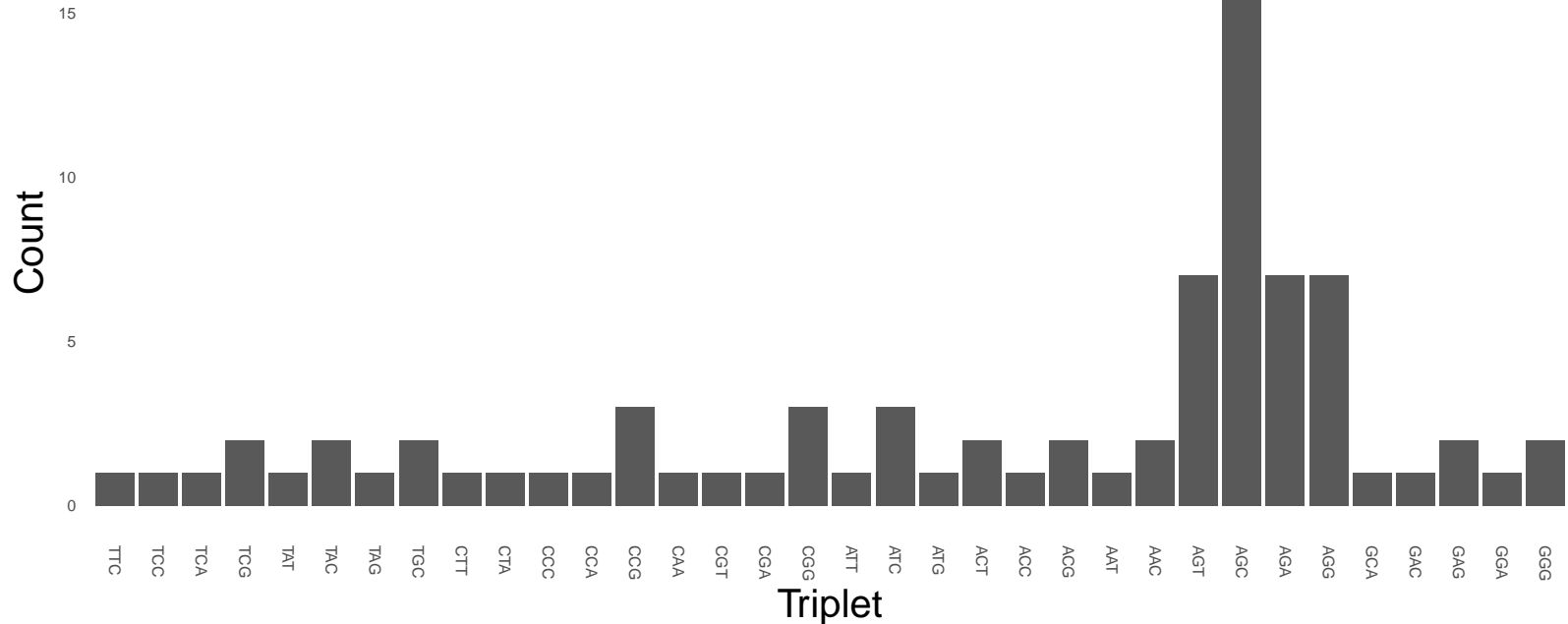
Gene TRBV7-3*ap01_G301A



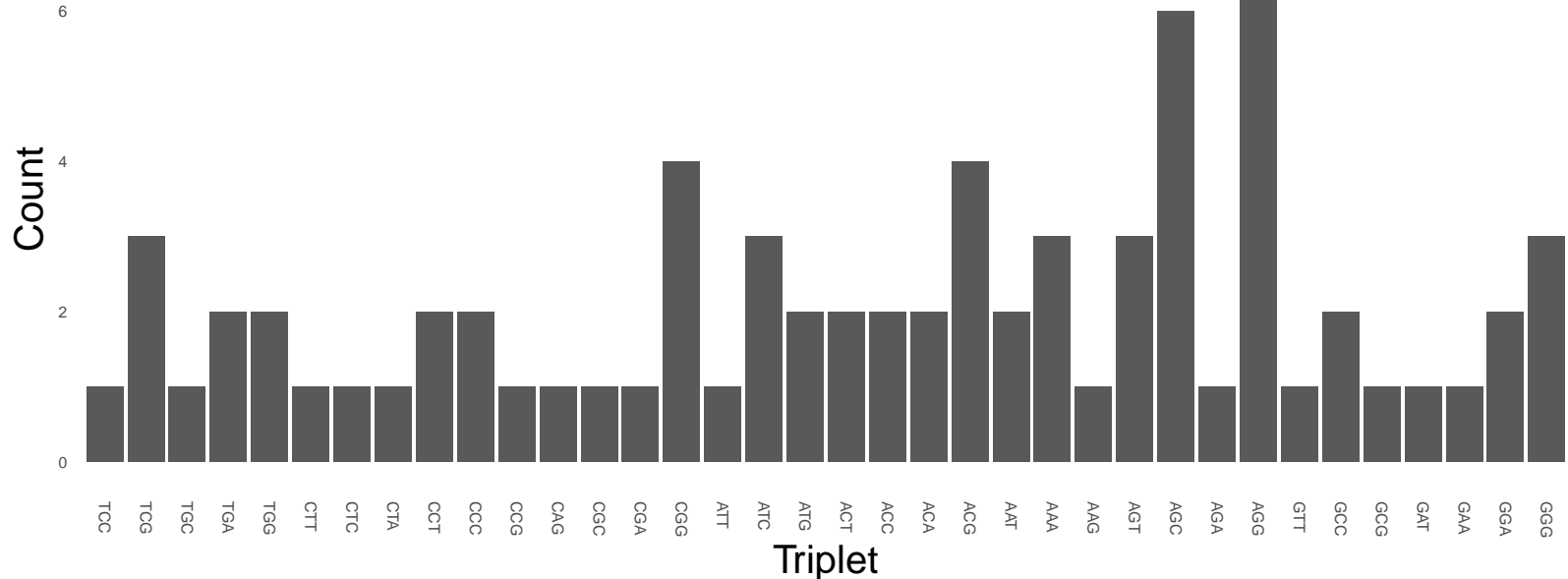
Gene TRBV7-7*ap01_C315T



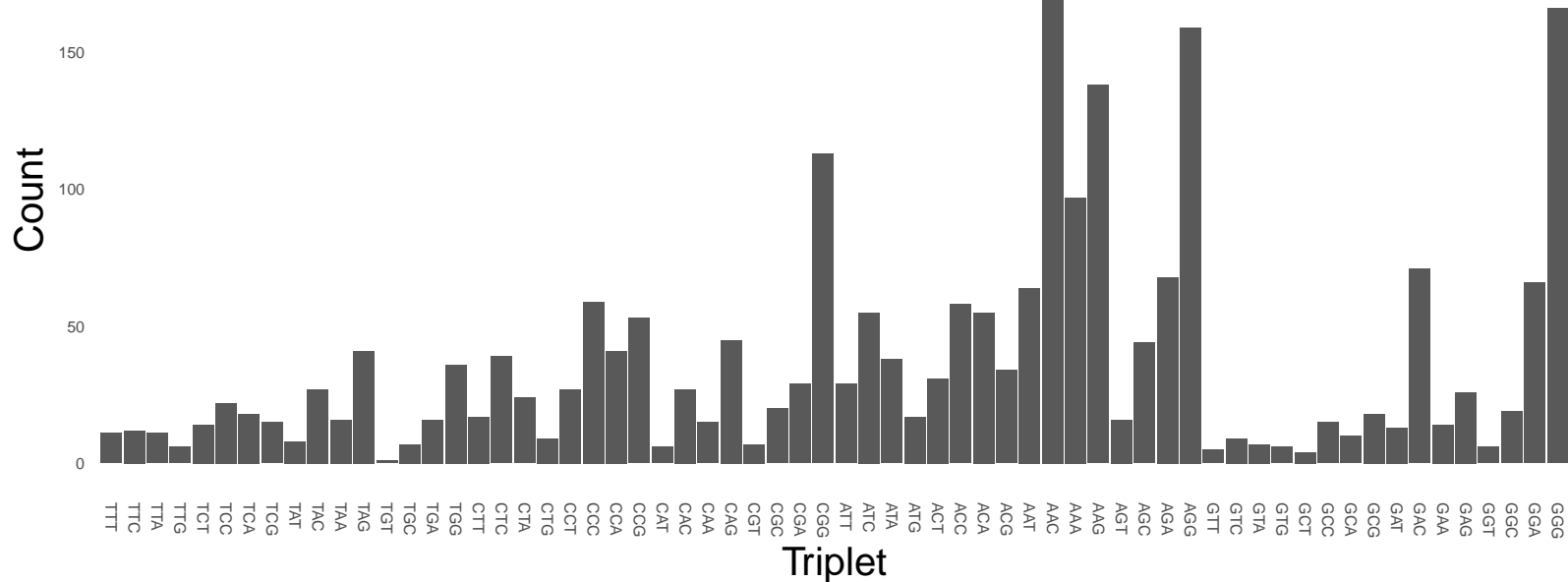
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



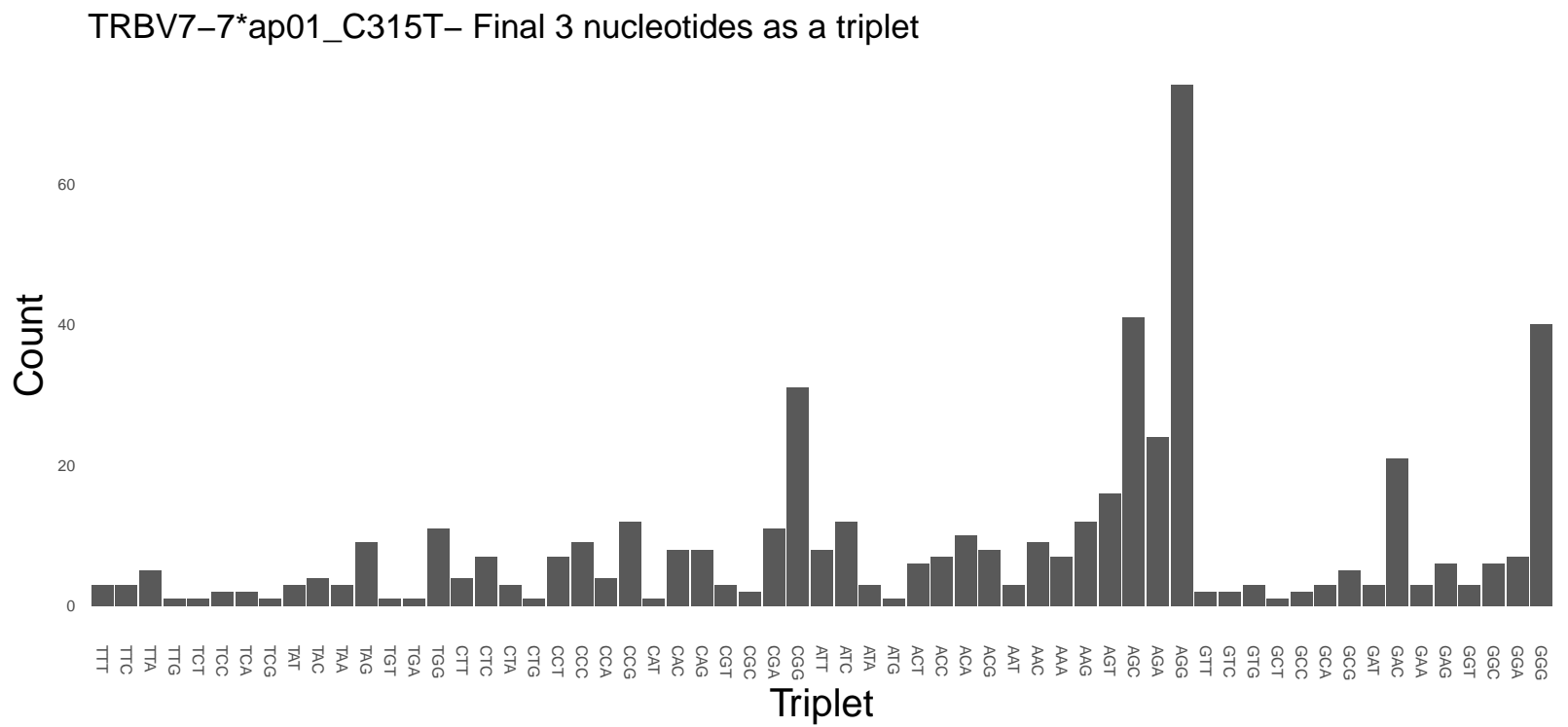
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



TRBV7-3*ap01_G301A- Final 3 nucleotides as a triplet

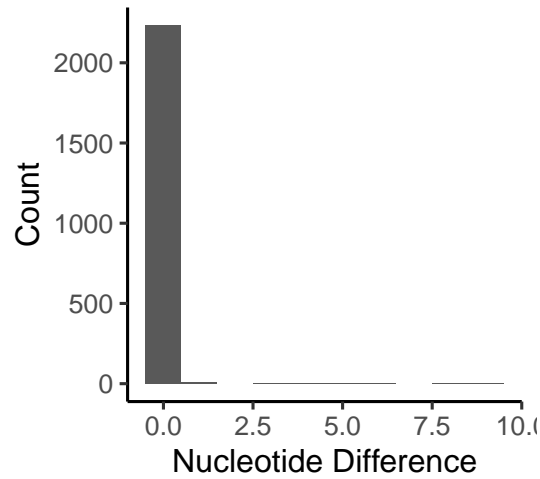


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



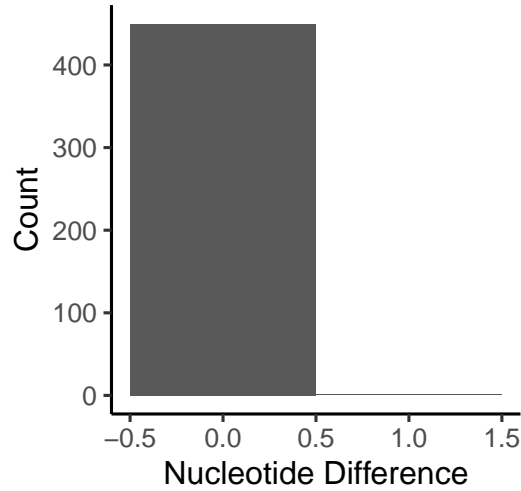
TRBV10-1*ap01

2250 sequences assigned
2233 (99.2%) exact matches, in which:
2182 unique CDR3
13 unique J



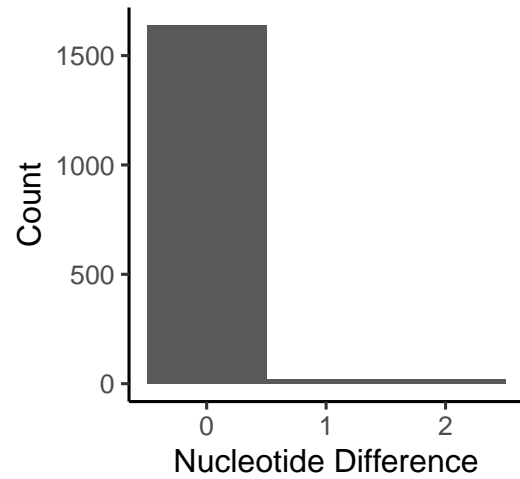
TRBV10-2*ap01

451 sequences assigned
450 (99.8%) exact matches, in which:
447 unique CDR3
13 unique J



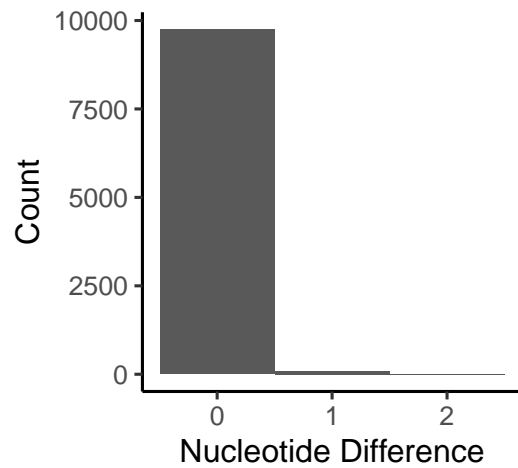
TRBV13*ap01

1680 sequences assigned
1638 (97.5%) exact matches, in which:
1596 unique CDR3
13 unique J



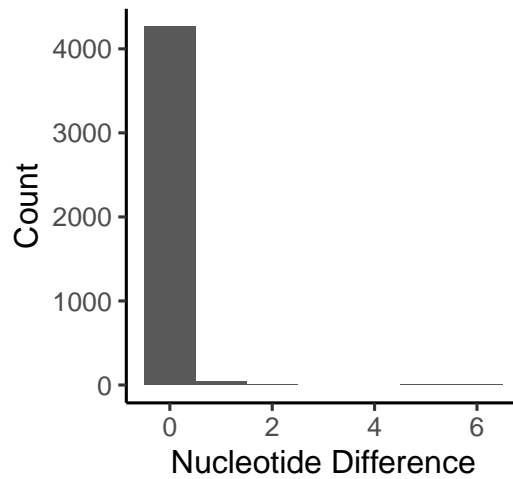
TRBV20-1*ap01

9834 sequences assigned
9747 (99.1%) exact matches, in which:
9602 unique CDR3
13 unique J



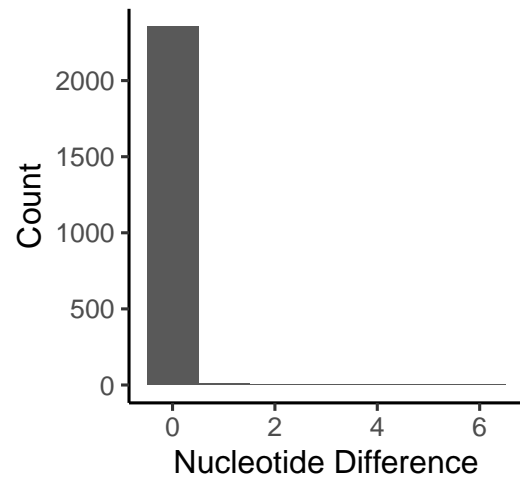
TRBV10-3*ap01

4316 sequences assigned
4263 (98.8%) exact matches, in which:
4170 unique CDR3
13 unique J



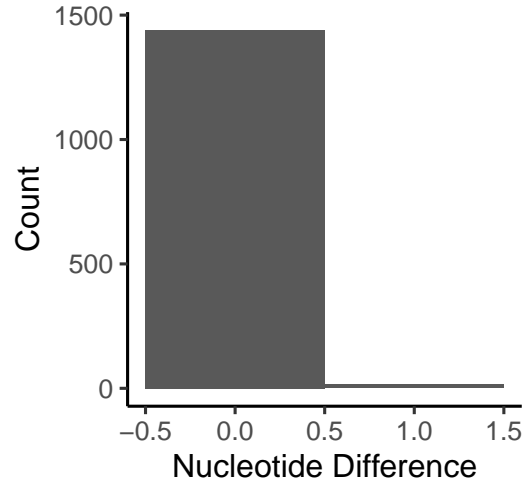
TRBV14*ap01

2369 sequences assigned
2354 (99.4%) exact matches, in which:
2323 unique CDR3
13 unique J



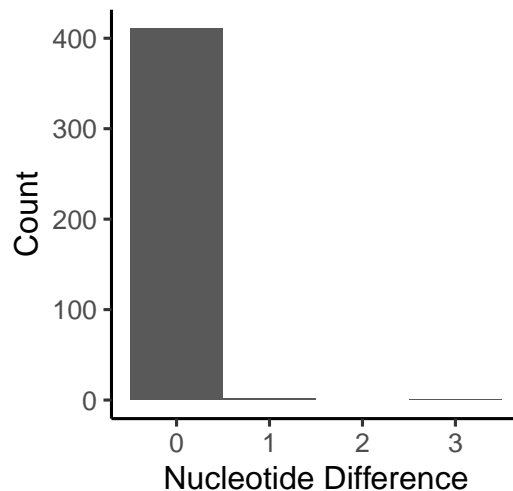
TRBV20-1*ap02

1455 sequences assigned
1440 (99%) exact matches, in which:
1416 unique CDR3
13 unique J



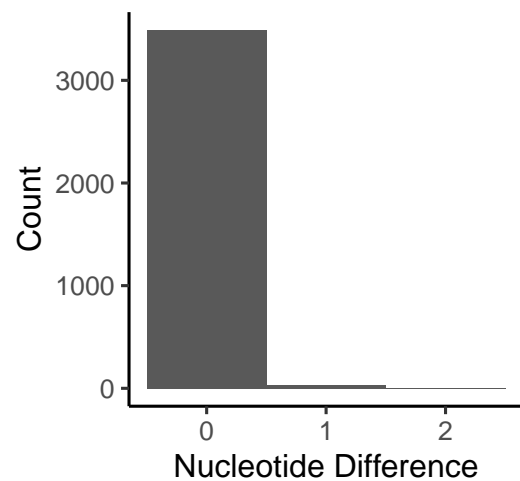
TRBV1*ap01

414 sequences assigned
411 (99.3%) exact matches, in which:
401 unique CDR3
13 unique J



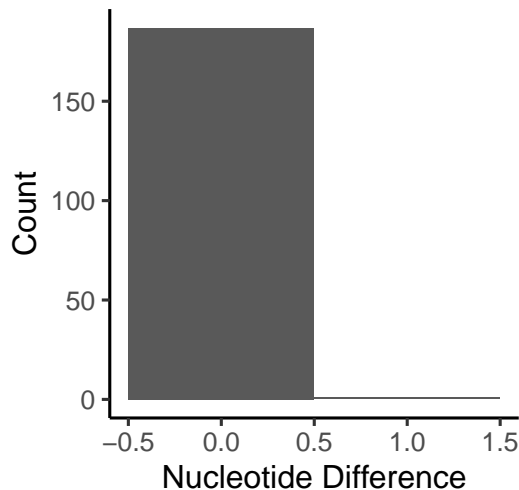
TRBV15*ap02

3526 sequences assigned
3490 (99%) exact matches, in which:
3404 unique CDR3
13 unique J



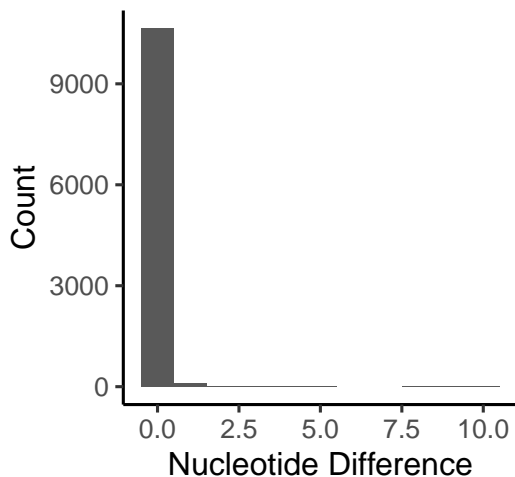
TRBV16*ap01

188 sequences assigned
187 (99.5%) exact matches, in which:
187 unique CDR3
12 unique J



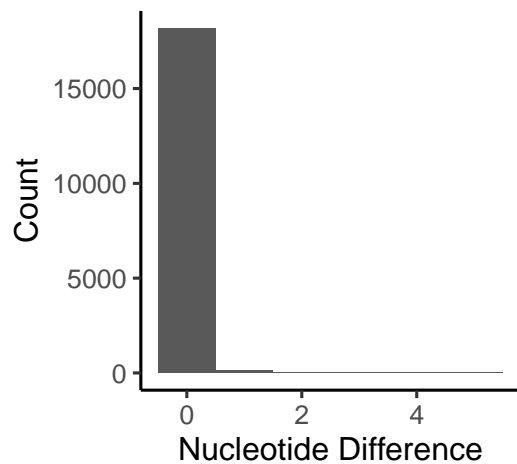
TRBV19*ap01

10766 sequences assigned
10647 (98.9%) exact matches, in which:
10558 unique CDR3
13 unique J



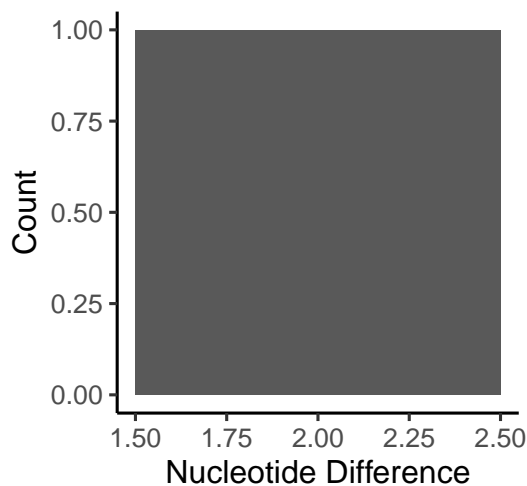
TRBV28*ap01

18325 sequences assigned
18187 (99.2%) exact matches, in which:
17905 unique CDR3
13 unique J



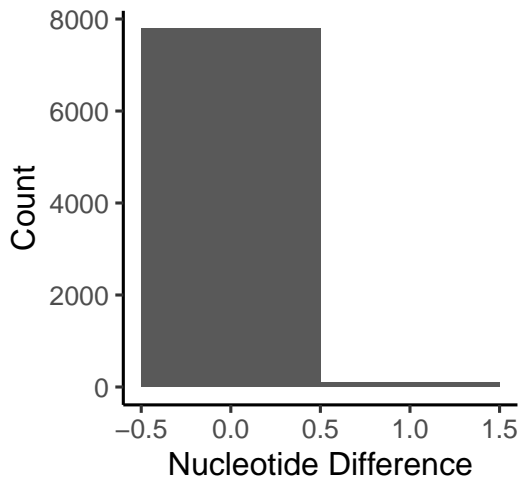
TRBV17*ap01

1 sequences assigned
No exact matches.



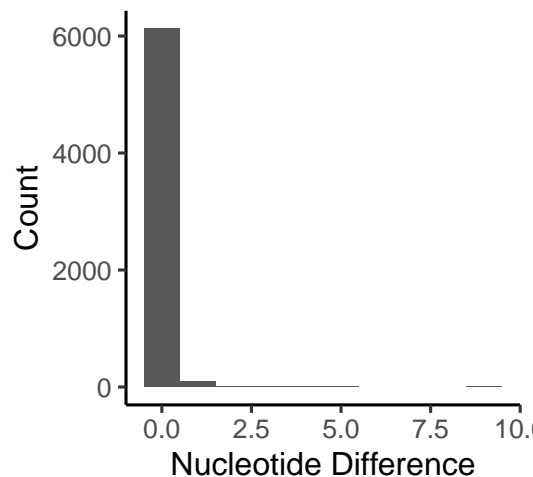
TRBV2*ap01

7887 sequences assigned
7789 (98.8%) exact matches, in which:
7620 unique CDR3
13 unique J



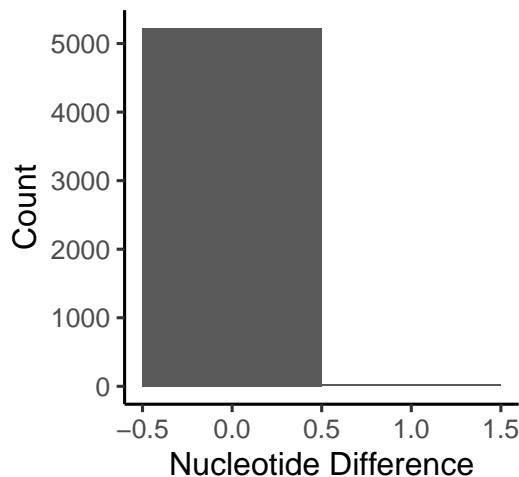
TRBV30*ap01

6228 sequences assigned
6125 (98.3%) exact matches, in which:
6029 unique CDR3
13 unique J



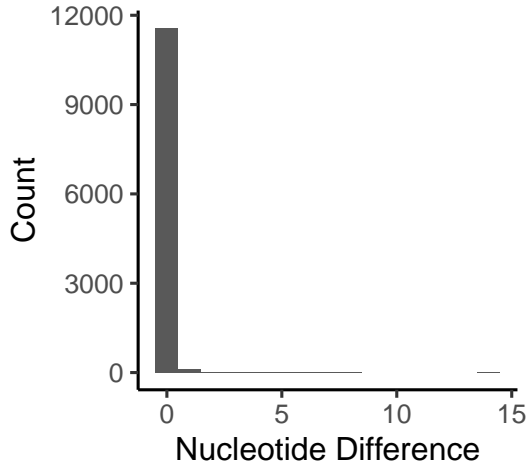
TRBV18*ap01

5255 sequences assigned
5226 (99.4%) exact matches, in which:
5178 unique CDR3
13 unique J



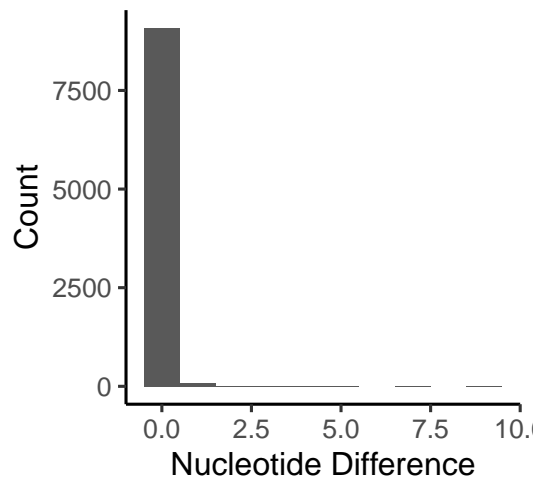
TRBV27*ap01

11725 sequences assigned
11579 (98.8%) exact matches, in which:
11319 unique CDR3
13 unique J



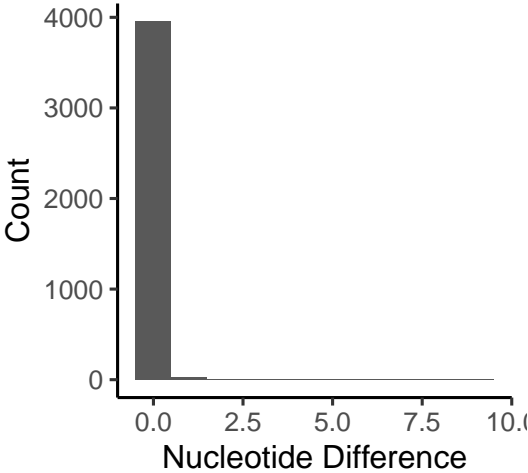
TRBV9*ap01

9178 sequences assigned
9082 (99%) exact matches, in which:
8950 unique CDR3
13 unique J



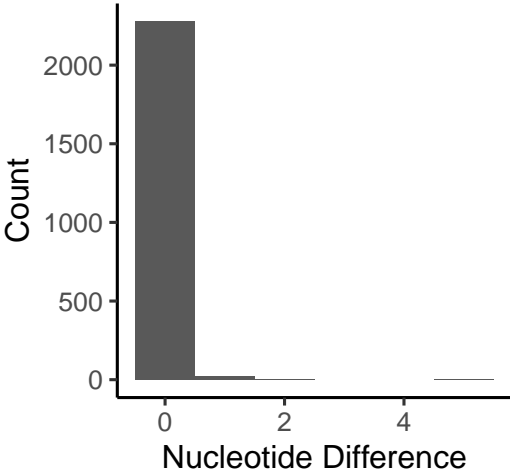
TRBV21-1*ap01

4005 sequences assigned
3955 (98.8%) exact matches, in which:
3906 unique CDR3
13 unique J



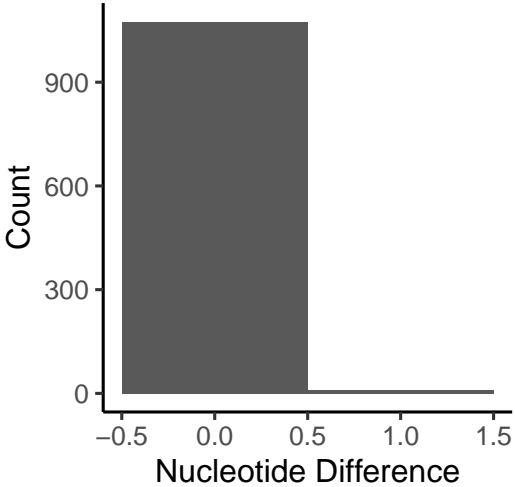
TRBV11-3*ap01

2302 sequences assigned
2278 (99%) exact matches, in which:
2241 unique CDR3
13 unique J



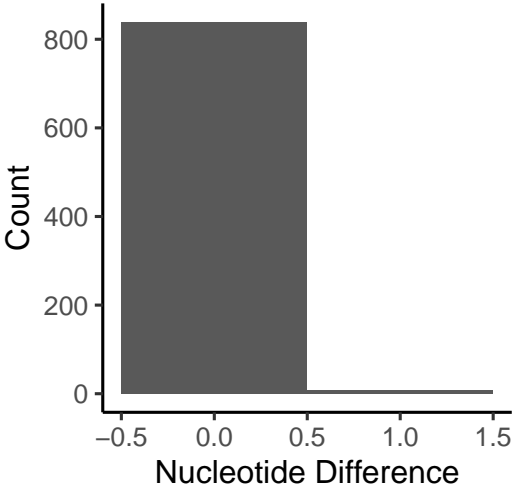
TRBV12-5*ap01

1084 sequences assigned
1075 (99.2%) exact matches, in which:
1057 unique CDR3
13 unique J



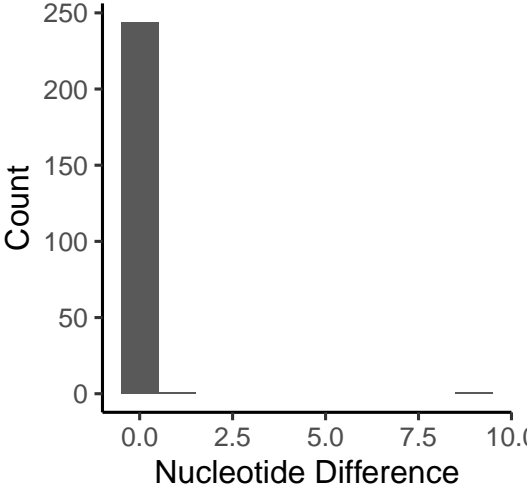
TRBV11-1*ap01

847 sequences assigned
839 (99.1%) exact matches, in which:
825 unique CDR3
13 unique J



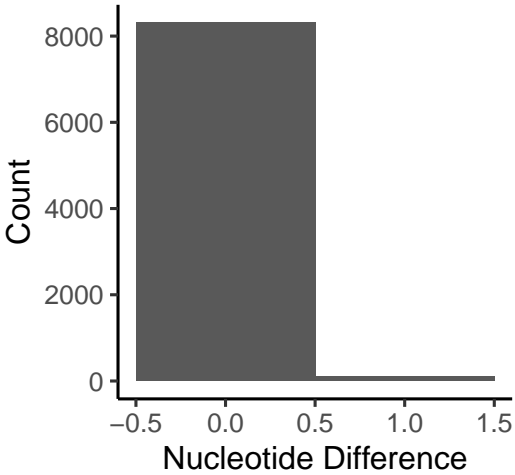
TRBV12-1*ap01

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



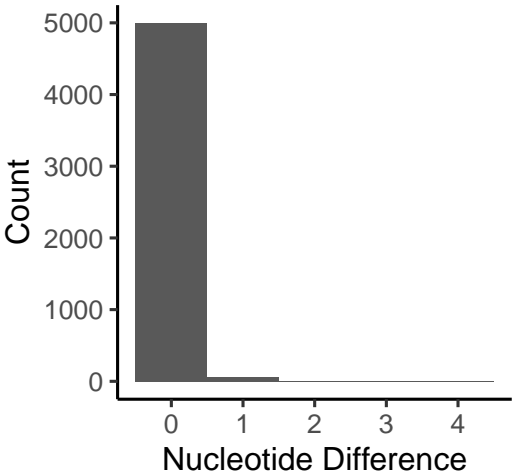
TRBV12-34*ap01

8412 sequences assigned
8310 (98.8%) exact matches, in which:
8136 unique CDR3
13 unique J



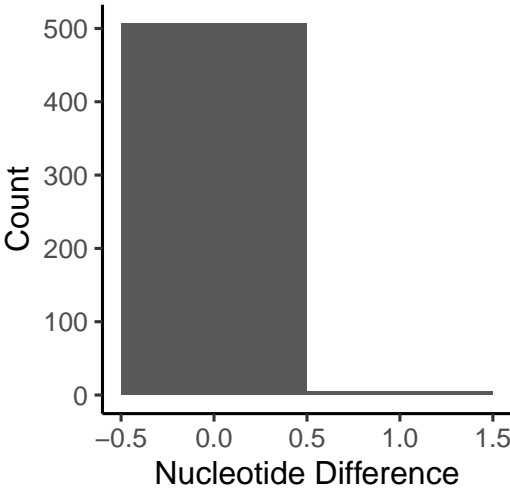
TRBV11-2*ap01

5059 sequences assigned
4997 (98.8%) exact matches, in which:
4905 unique CDR3
13 unique J



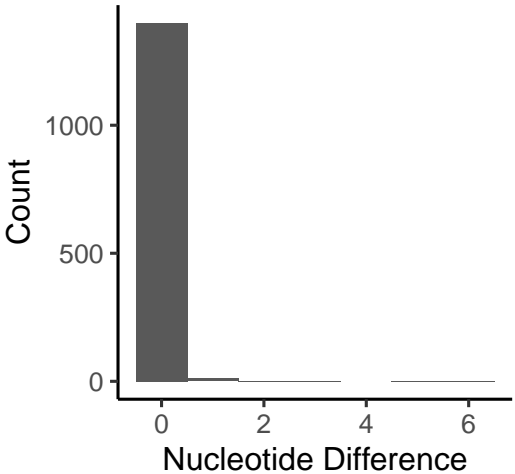
TRBV12-2*ap01

512 sequences assigned
507 (99%) exact matches, in which:
503 unique CDR3
13 unique J



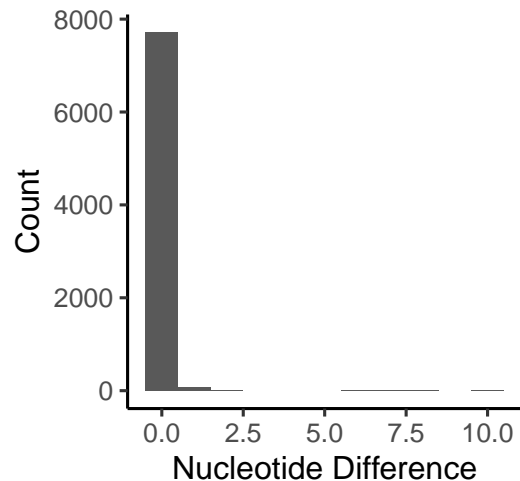
TRBV23-1*ap01

1415 sequences assigned
1399 (98.9%) exact matches, in which:
1385 unique CDR3
13 unique J



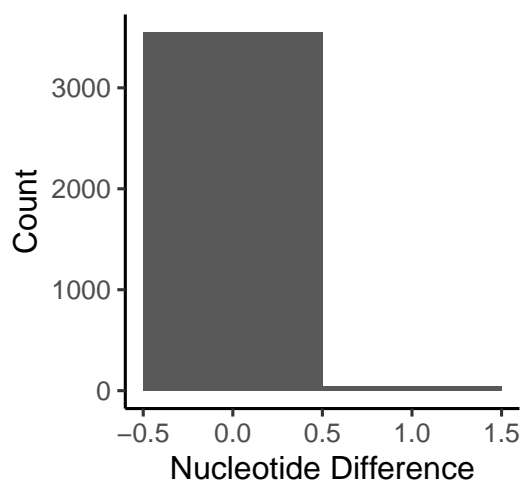
TRBV3-12*ap01

7807 sequences assigned
7714 (98.8%) exact matches, in which:
7547 unique CDR3
13 unique J



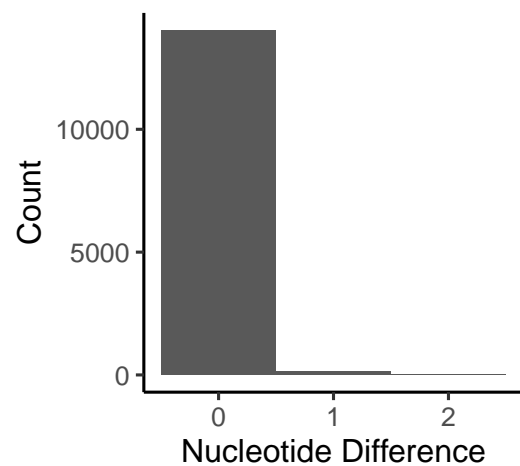
TRBV4-2*ap01

3594 sequences assigned
3549 (98.7%) exact matches, in which:
3477 unique CDR3
13 unique J



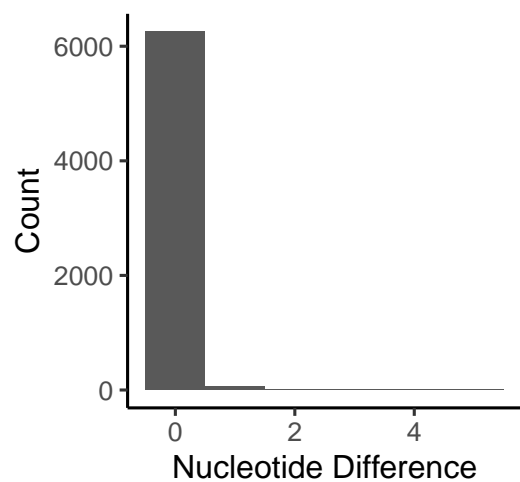
TRBV5-1*ap01

14189 sequences assigned
14037 (98.9%) exact matches, in which:
13726 unique CDR3
13 unique J



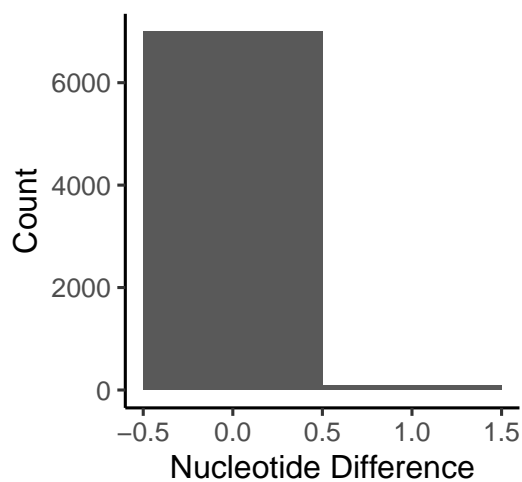
TRBV24-1*ap01

6328 sequences assigned
6253 (98.8%) exact matches, in which:
6154 unique CDR3
13 unique J



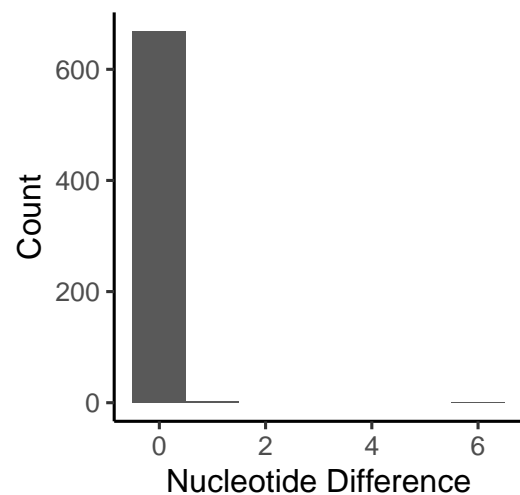
TRBV4-3*ap01

7078 sequences assigned
6995 (98.8%) exact matches, in which:
6839 unique CDR3
13 unique J



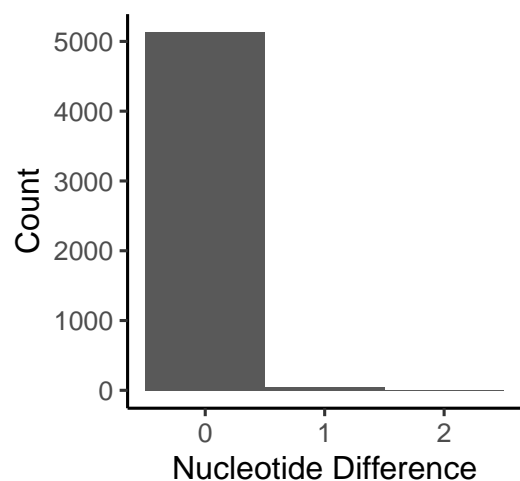
TRBV5-3*ap01

673 sequences assigned
669 (99.4%) exact matches, in which:
662 unique CDR3
13 unique J



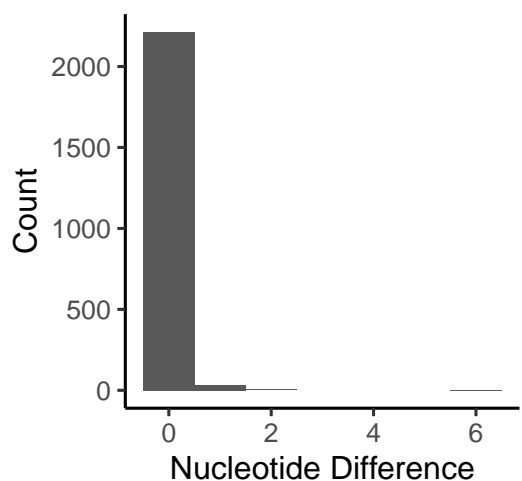
TRBV4-1*ap01

5181 sequences assigned
5134 (99.1%) exact matches, in which:
5015 unique CDR3
13 unique J



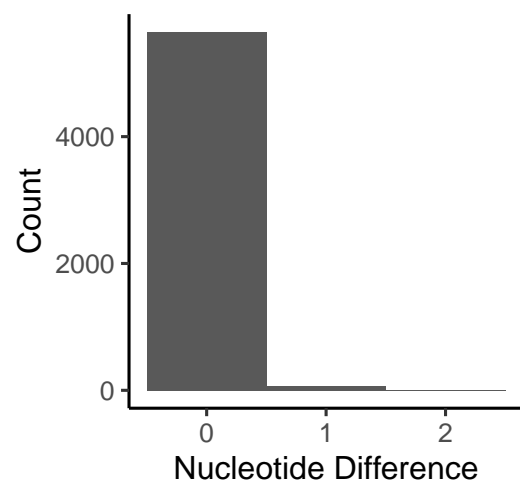
TRBV25-1*ap01

2249 sequences assigned
2213 (98.4%) exact matches, in which:
2173 unique CDR3
13 unique J



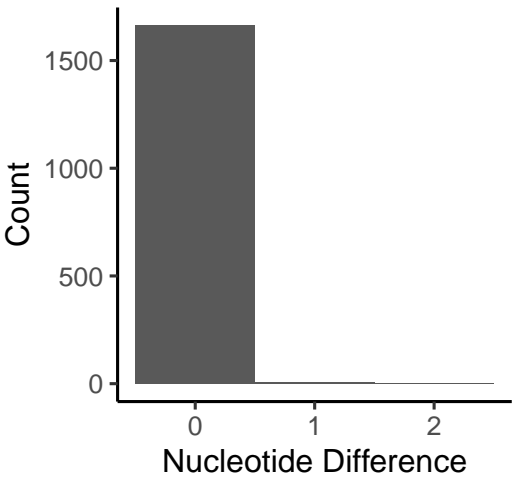
TRBV5-4*ap01

5716 sequences assigned
5649 (98.8%) exact matches, in which:
5529 unique CDR3
13 unique J



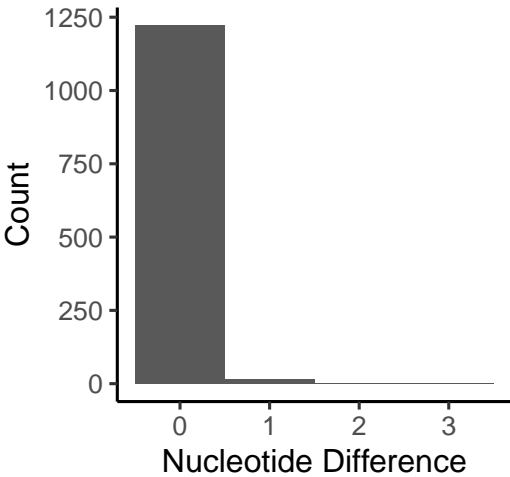
TRBV5-5*ap01

1670 sequences assigned
1663 (99.6%) exact matches, in which:
1648 unique CDR3
13 unique J



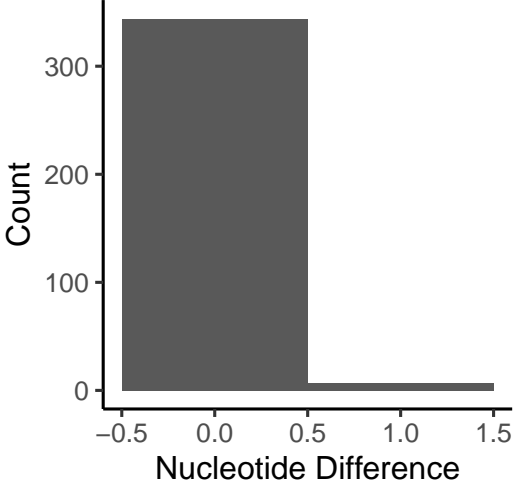
TRBV5-8*ap01

1240 sequences assigned
1222 (98.5%) exact matches, in which:
1206 unique CDR3
13 unique J



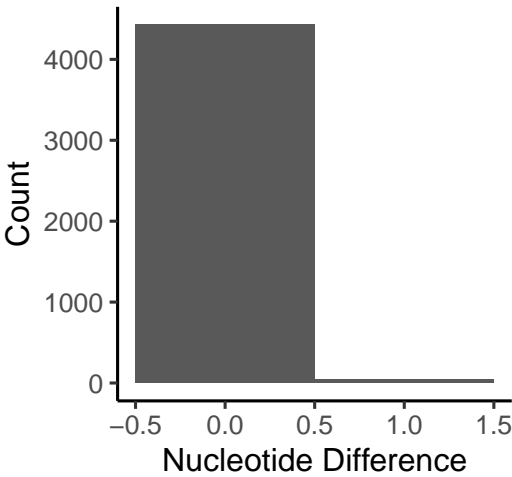
TRBV6-7*ap01

351 sequences assigned
344 (98%) exact matches, in which:
333 unique CDR3
13 unique J



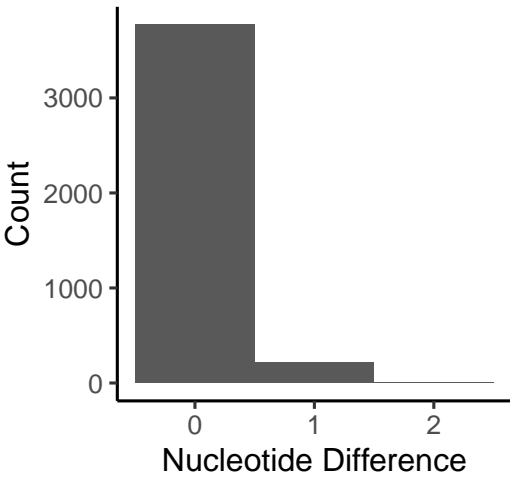
TRBV5-6*ap01

4477 sequences assigned
4428 (98.9%) exact matches, in which:
4316 unique CDR3
13 unique J



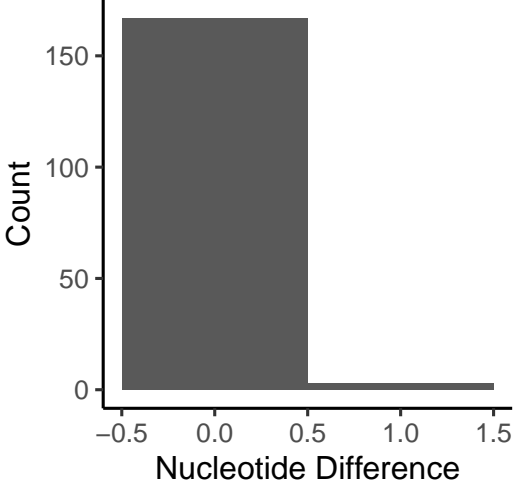
TRBV6-1*ap01

3991 sequences assigned
3770 (94.5%) exact matches, in which:
3684 unique CDR3
13 unique J



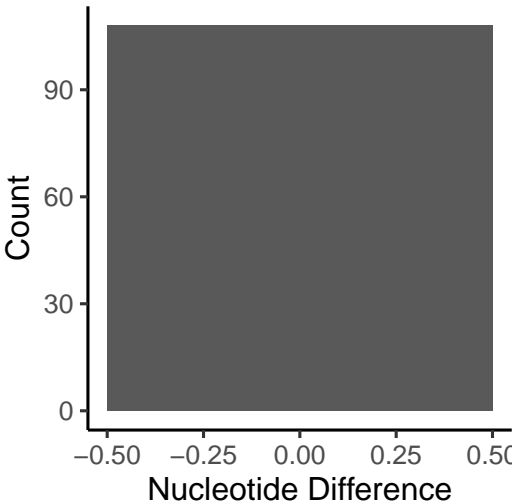
TRBV6-8*ap01

170 sequences assigned
167 (98.2%) exact matches, in which:
162 unique CDR3
12 unique J



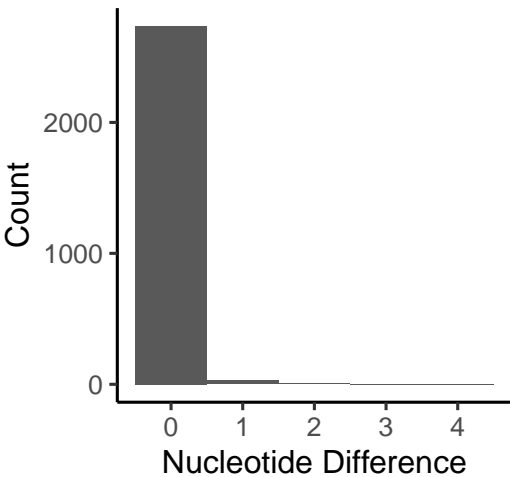
TRBV5-7*ap01

108 sequences assigned
108 (100%) exact matches, in which:
106 unique CDR3
13 unique J



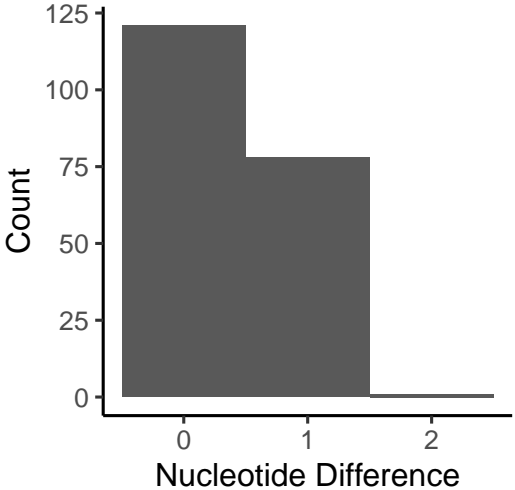
TRBV6-4*ap01

2775 sequences assigned
2736 (98.6%) exact matches, in which:
2685 unique CDR3
13 unique J



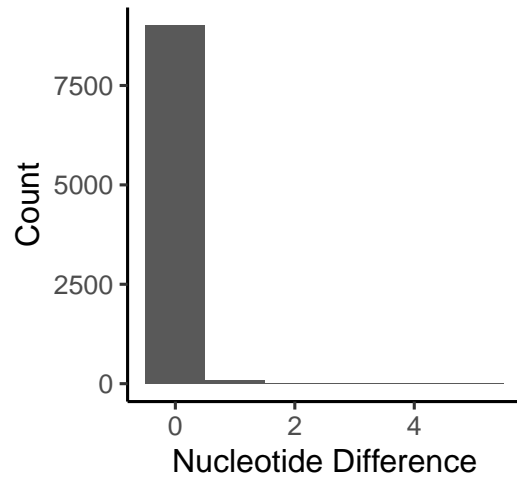
TRBV6-9*ap01

200 sequences assigned
121 (60.5%) exact matches, in which:
118 unique CDR3
13 unique J



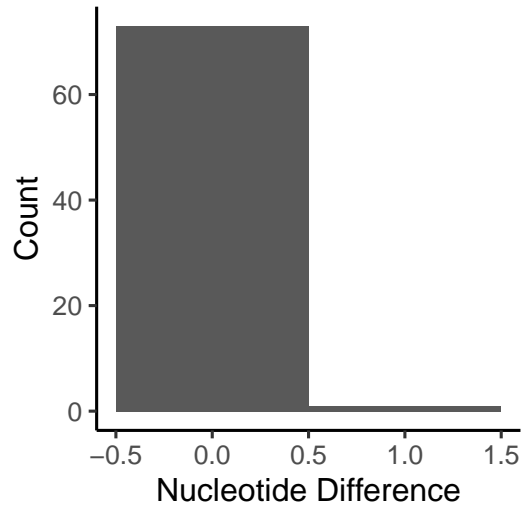
TRBV6-23*ap01

9101 sequences assigned
9011 (99%) exact matches, in which:
8733 unique CDR3
13 unique J



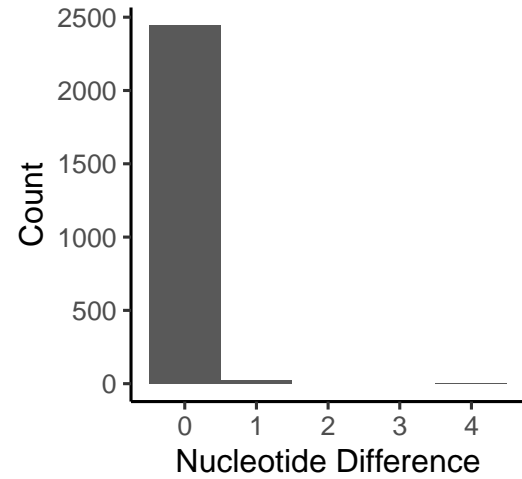
TRBV7-1*ap01_G291C_T

74 sequences assigned
73 (98.6%) exact matches, in which:
72 unique CDR3
12 unique J



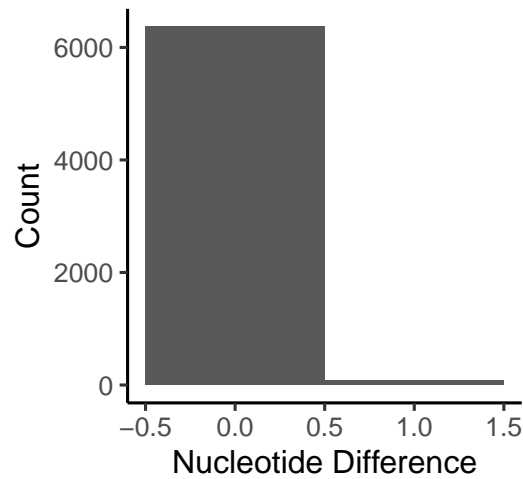
TRBV7-3*ap01

2469 sequences assigned
2444 (99%) exact matches, in which:
2403 unique CDR3
13 unique J



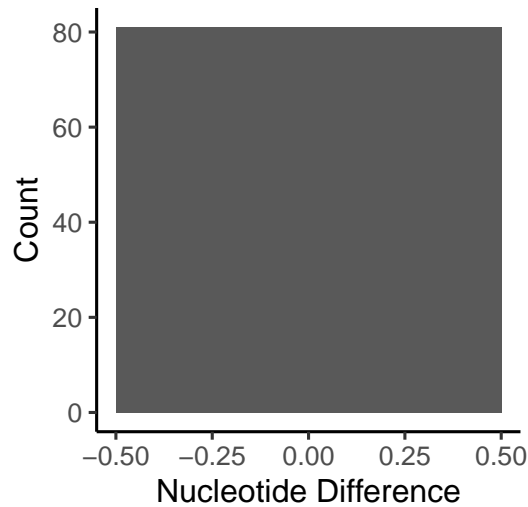
TRBV6-56*ap01

6447 sequences assigned
6368 (98.8%) exact matches, in which:
6201 unique CDR3
13 unique J



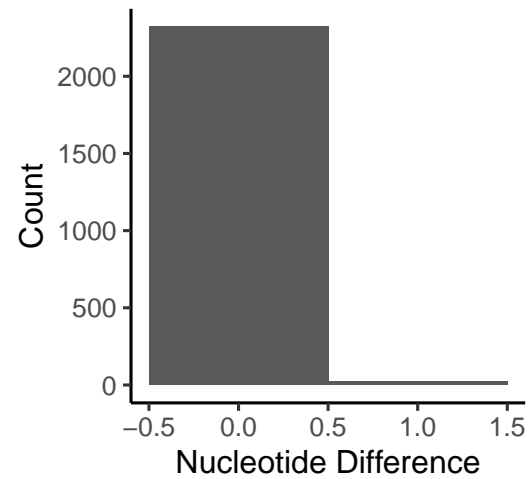
TRBV7-1*ap01_G291C_T

81 sequences assigned
81 (100%) exact matches, in which:
80 unique CDR3
13 unique J



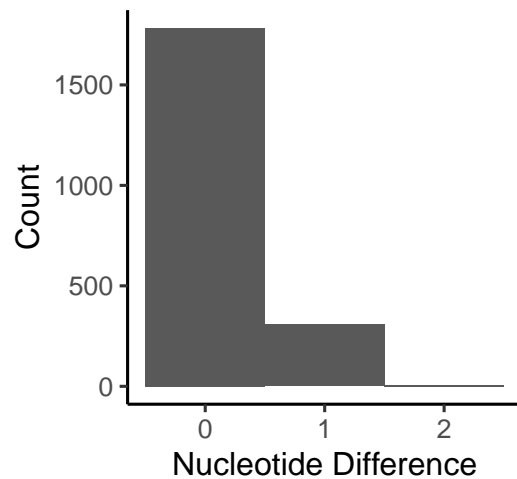
TRBV7-3*ap01_G301A

2342 sequences assigned
2321 (99.1%) exact matches, in which:
2288 unique CDR3
13 unique J



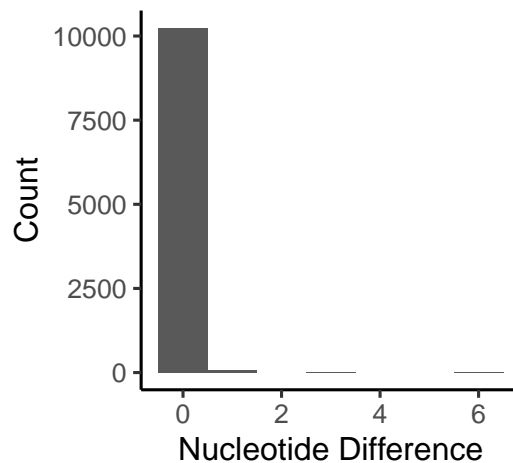
TRBV6-56*ap02

2096 sequences assigned
1783 (85.1%) exact matches, in which:
1734 unique CDR3
13 unique J



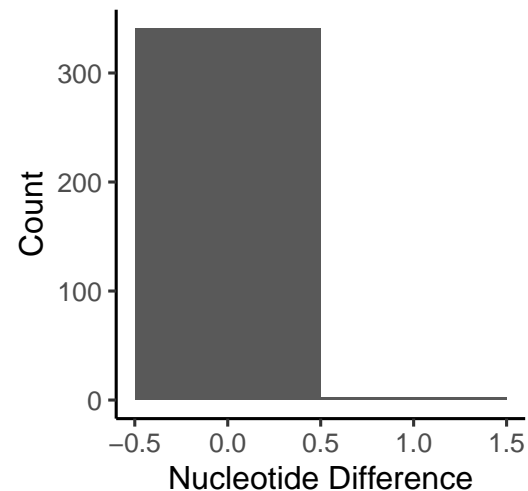
TRBV7-2*ap01

10316 sequences assigned
10245 (99.3%) exact matches, in which:
10088 unique CDR3
13 unique J



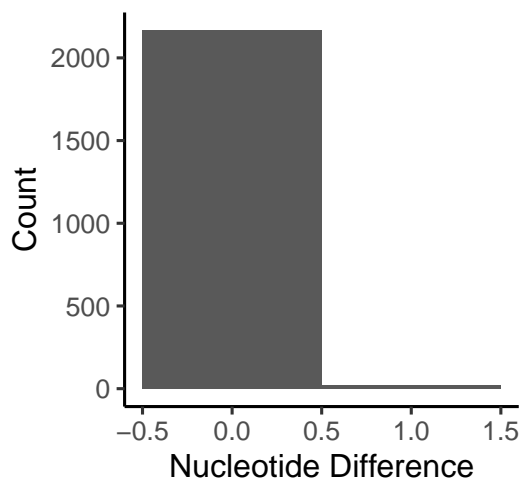
TRBV7-4*ap01

343 sequences assigned
341 (99.4%) exact matches, in which:
331 unique CDR3
13 unique J



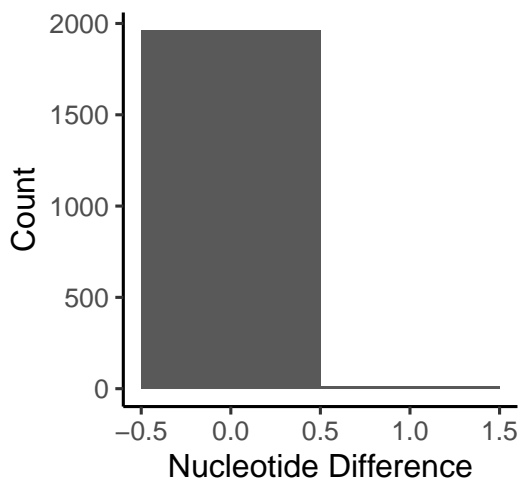
TRBV7-6*ap01

2188 sequences assigned
2166 (99%) exact matches, in which:
2126 unique CDR3
13 unique J



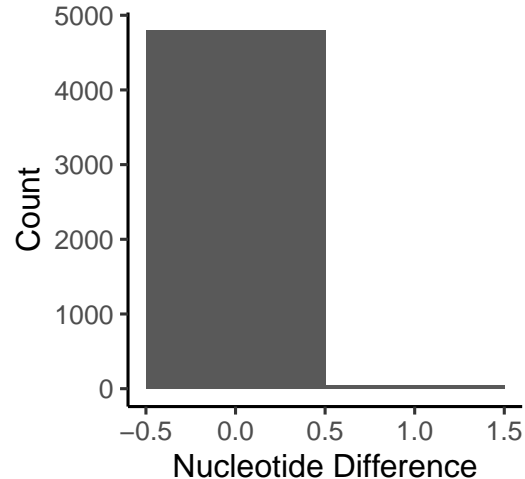
TRBV7-8*ap01

1978 sequences assigned
1962 (99.2%) exact matches, in which:
1923 unique CDR3
13 unique J



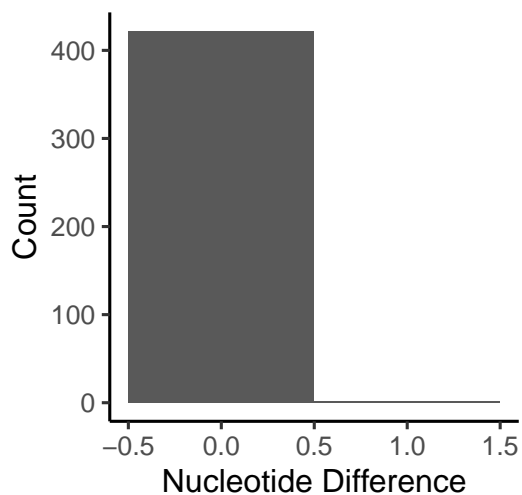
TRBV29-1*ap01

4846 sequences assigned
4797 (99%) exact matches, in which:
4705 unique CDR3
13 unique J



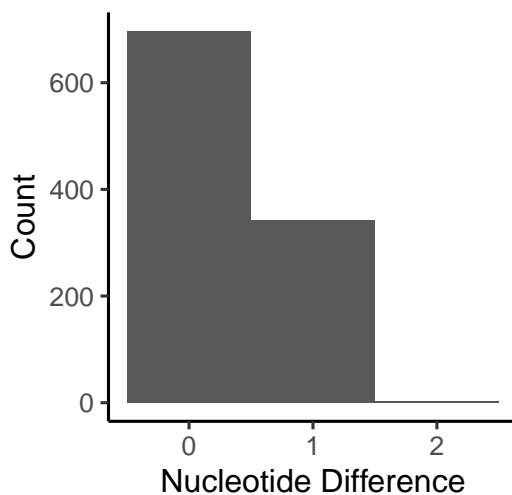
TRBV7-7*ap01

424 sequences assigned
422 (99.5%) exact matches, in which:
416 unique CDR3
13 unique J



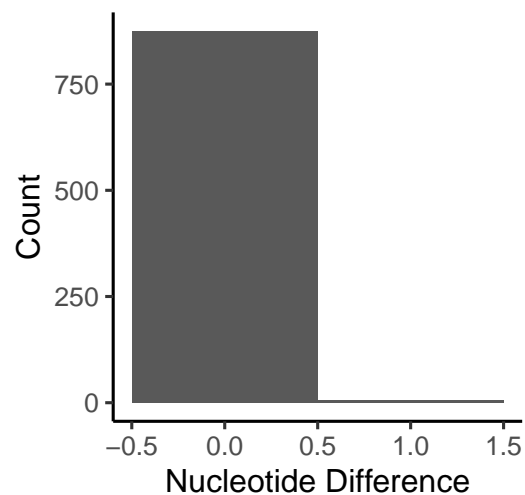
TRBV7-8*ap03

1042 sequences assigned
697 (66.9%) exact matches, in which:
682 unique CDR3
13 unique J



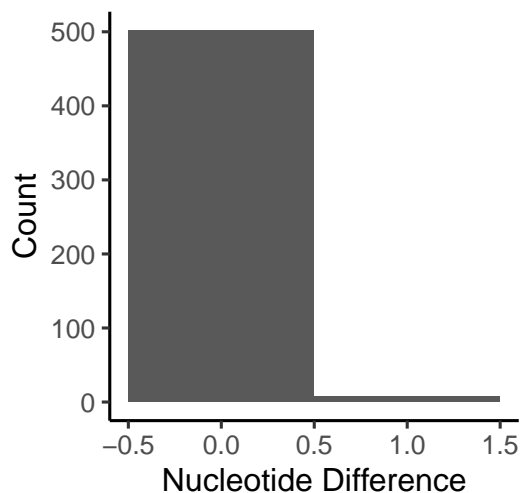
TRBV29-1*ap02

880 sequences assigned
875 (99.4%) exact matches, in which:
859 unique CDR3
13 unique J



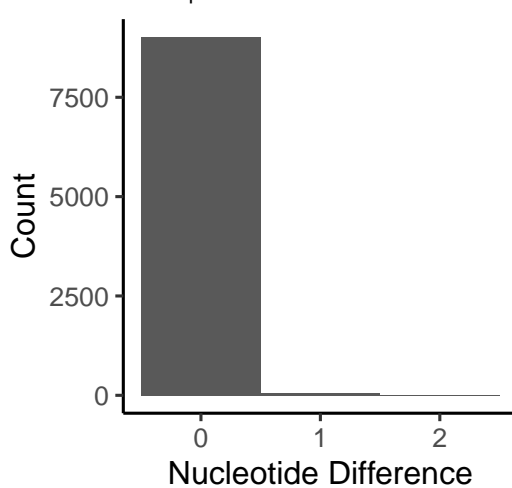
TRBV7-7*ap01_C315T

509 sequences assigned
502 (98.6%) exact matches, in which:
493 unique CDR3
12 unique J

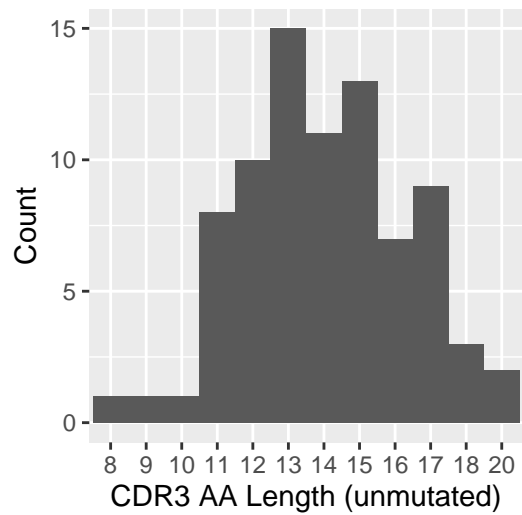


TRBV7-9*ap01

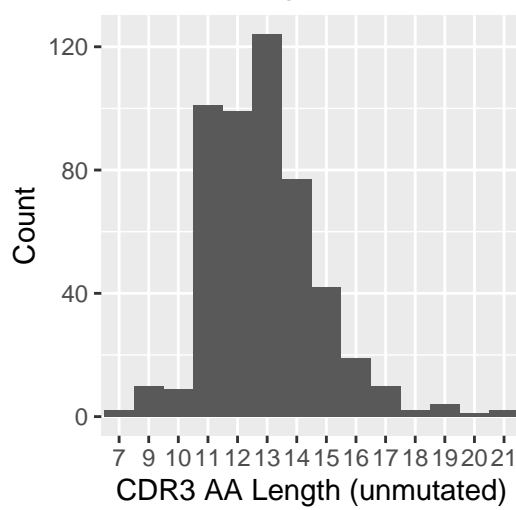
9077 sequences assigned
9016 (99.3%) exact matches, in which:
8876 unique CDR3
13 unique J



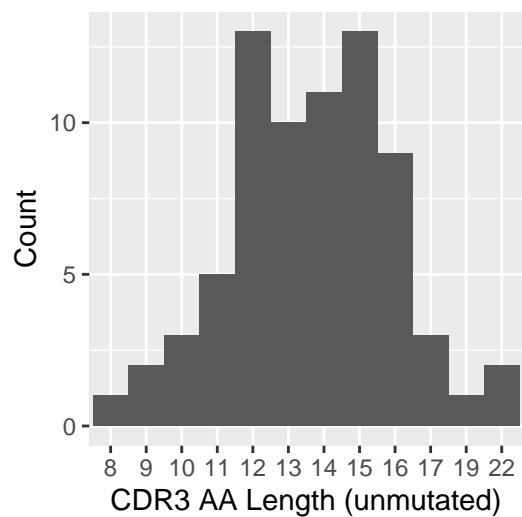
TRBV7-1*ap01_G291C_T29



TRBV7-7*ap01_C315T



TRBV7-1*ap01_G291C_T296C



TRBV7-3*ap01_G301A

