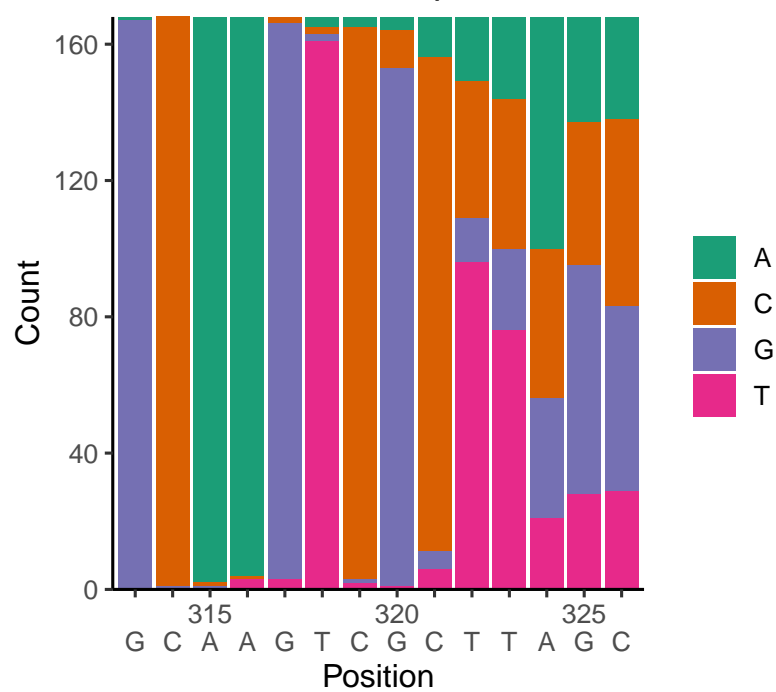
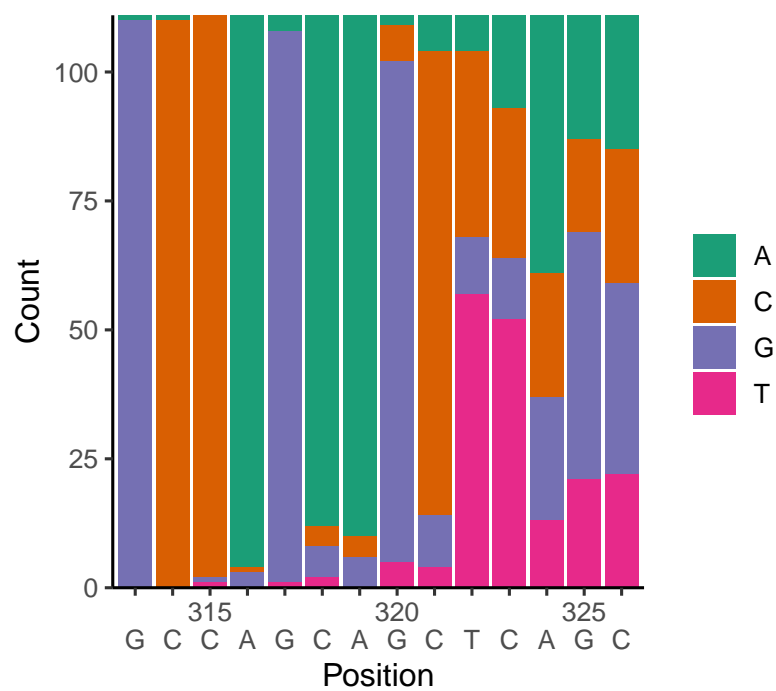


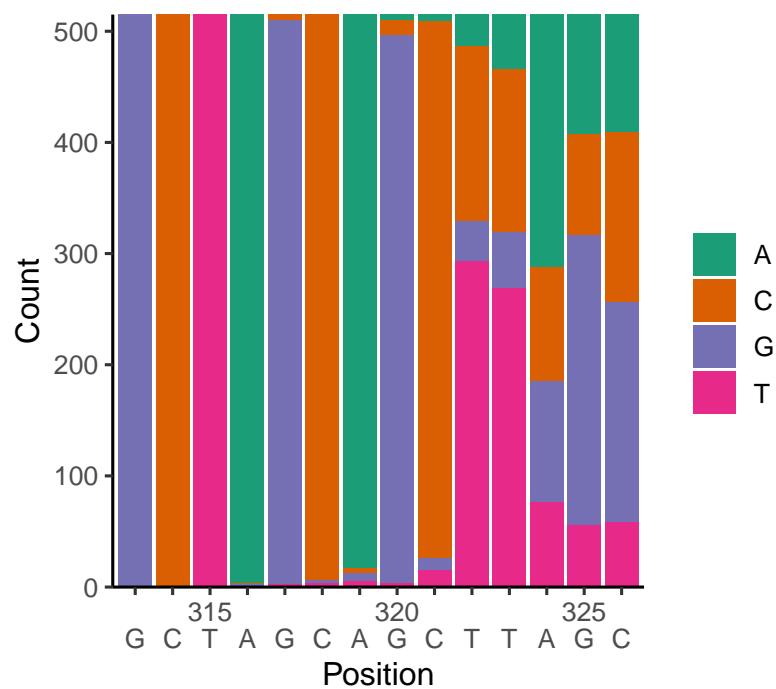
Gene TRBV12-2*ap01_G301A



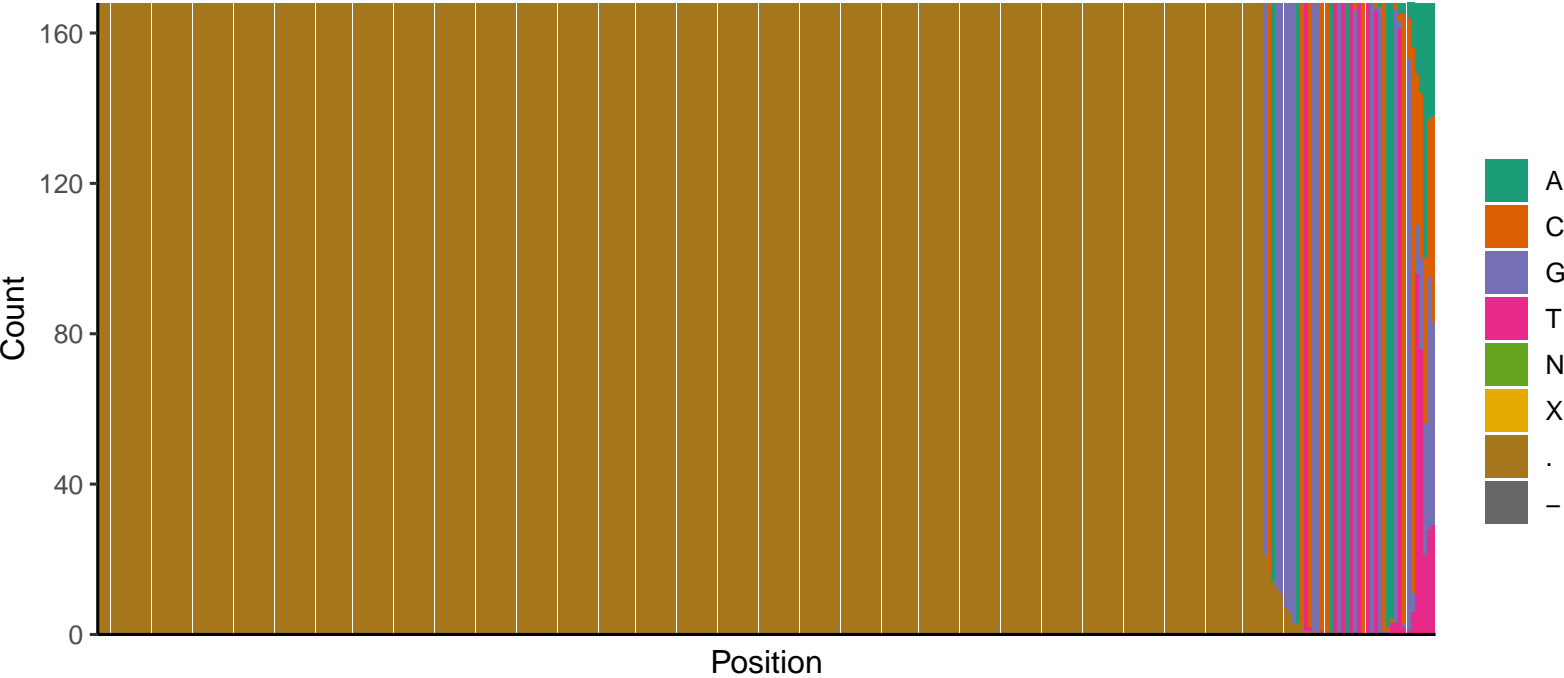
Gene TRBV7-1*ap01_G291C_T296C



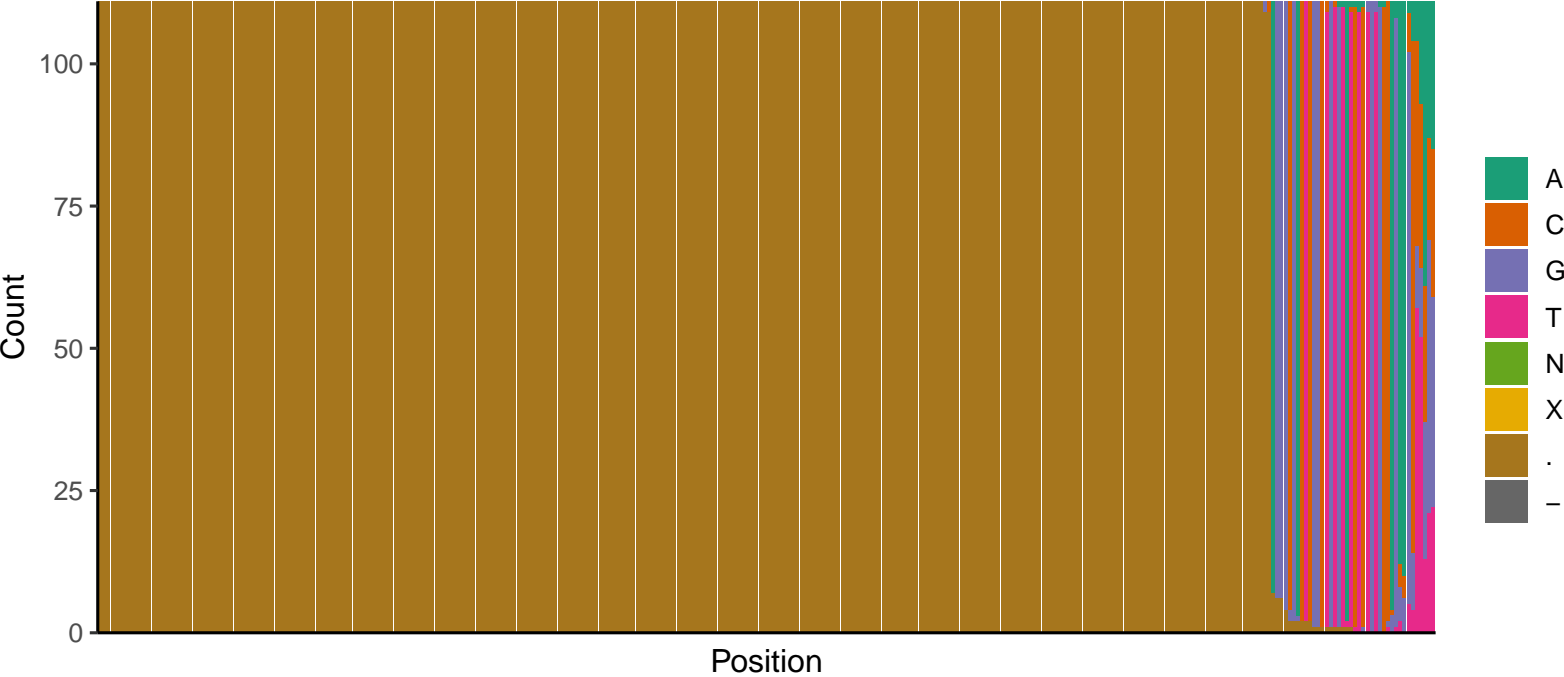
Gene TRBV7-7*ap01_C315T



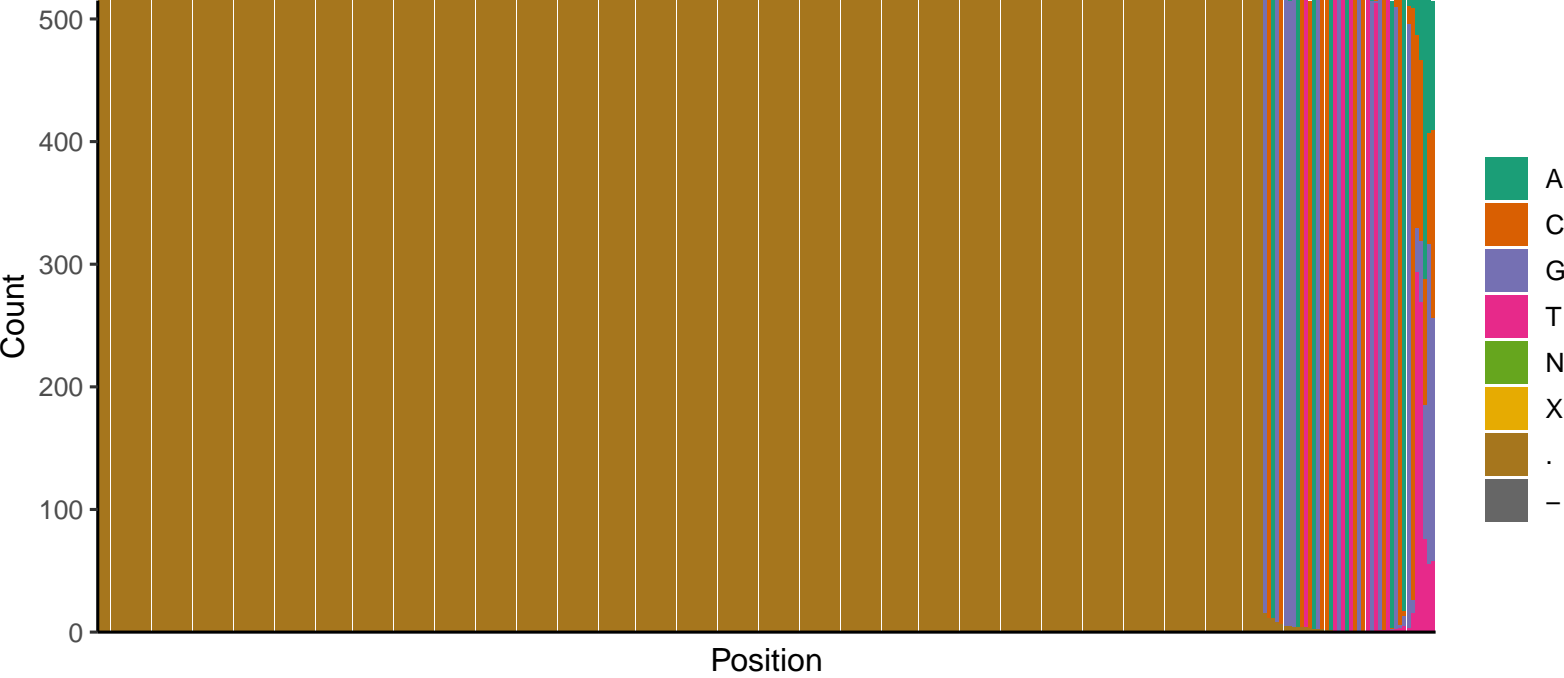
Gene TRBV12-2*ap01_G301A



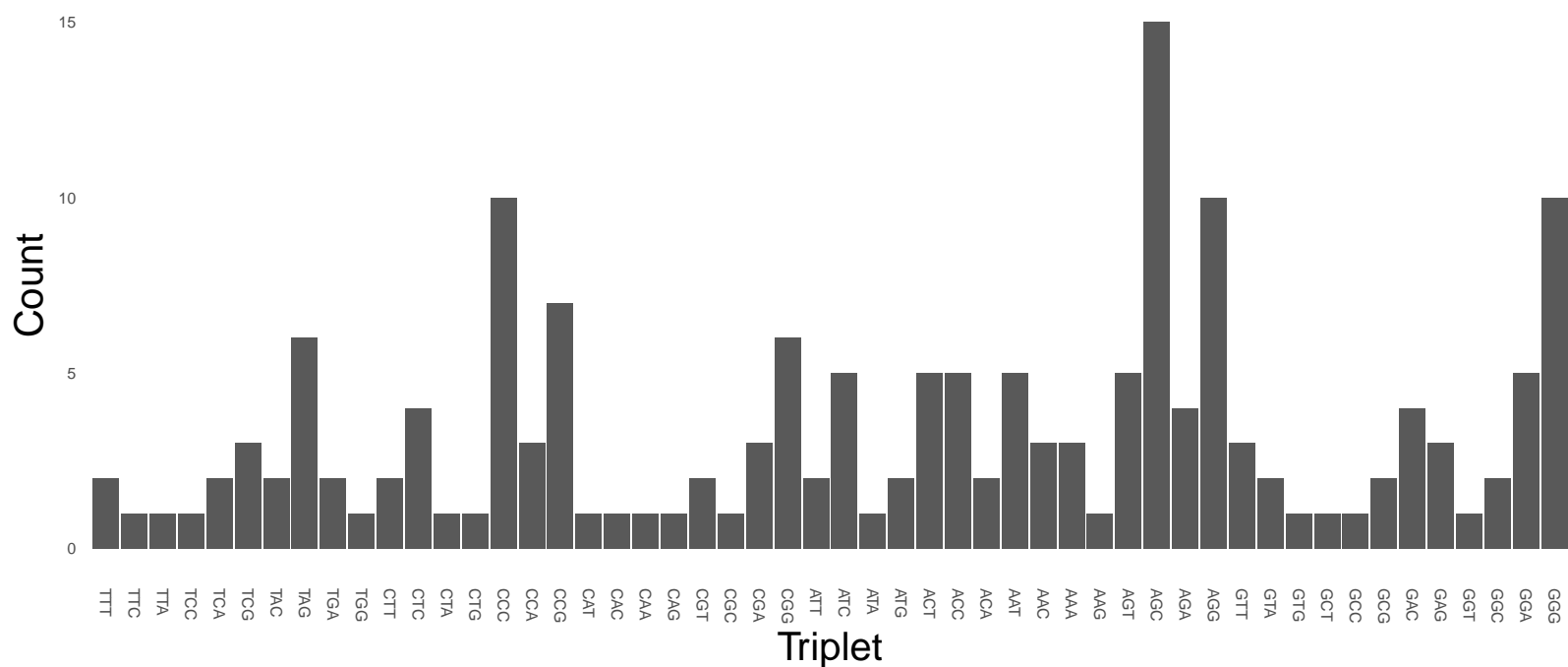
Gene TRBV7-1*ap01_G291C_T296C



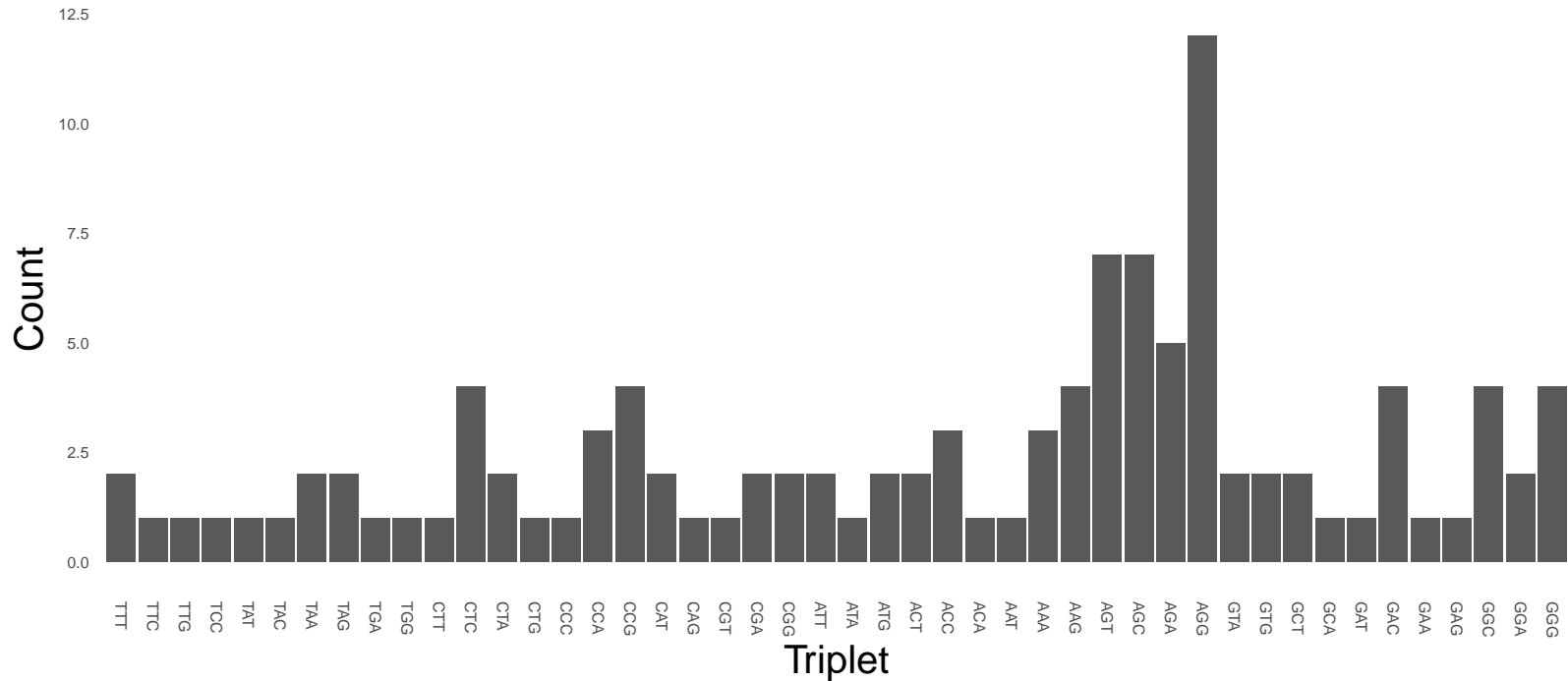
Gene TRBV7-7*ap01_C315T



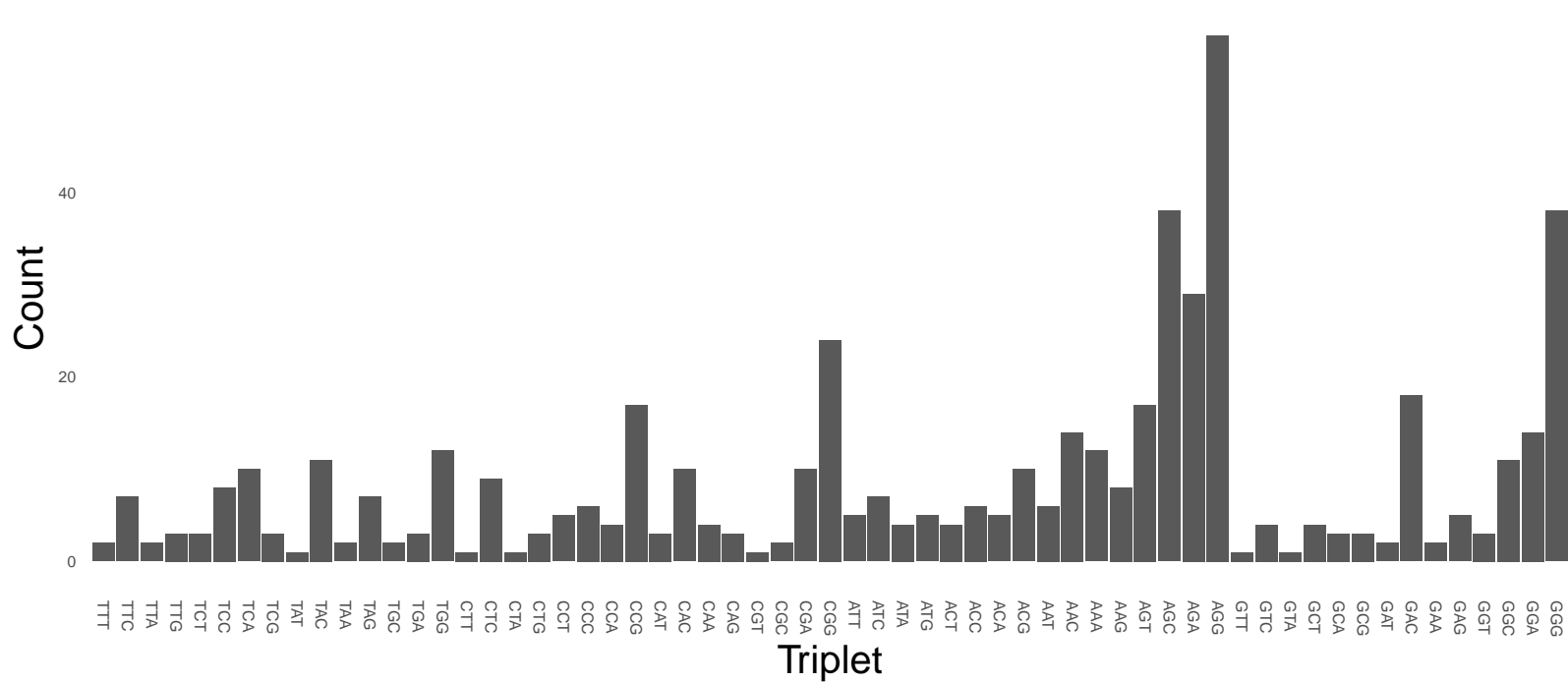
TRBV12-2*ap01_G301A- Final 3 nucleotides as a triplet



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

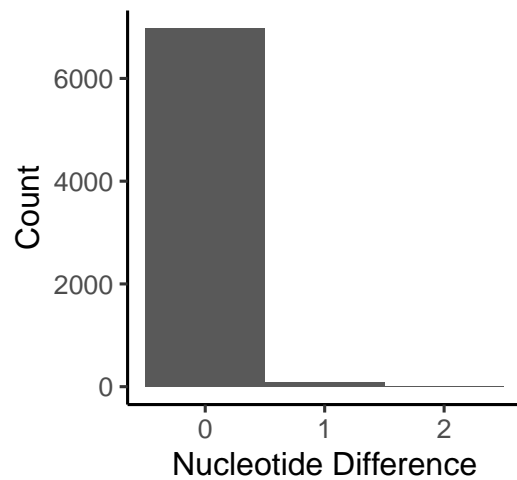


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



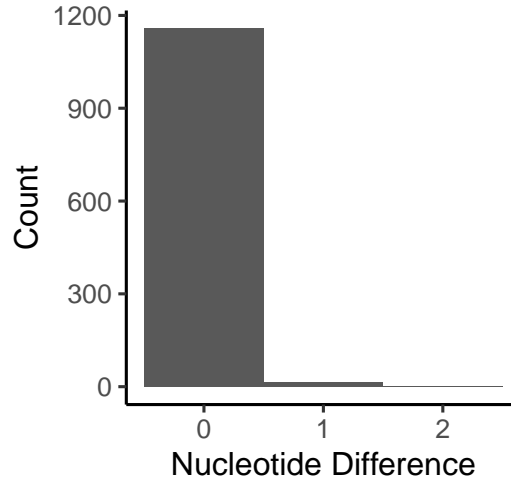
TRBV20-1*ap01

7070 sequences assigned
6974 (98.6%) exact matches, in which:
6872 unique CDR3
13 unique J



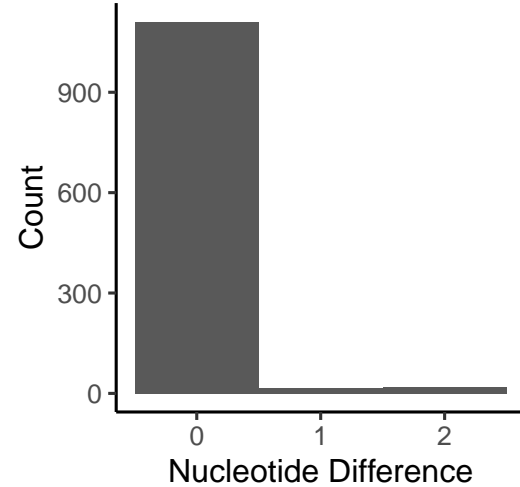
TRBV10-2*ap01

1175 sequences assigned
1158 (98.6%) exact matches, in which:
1135 unique CDR3
13 unique J



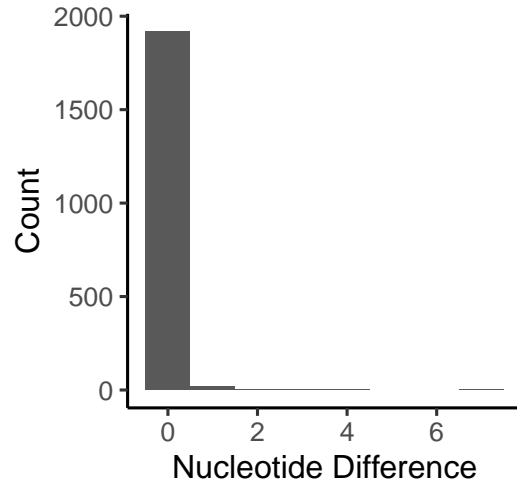
TRBV13*ap01

1147 sequences assigned
1111 (96.9%) exact matches, in which:
1092 unique CDR3
13 unique J



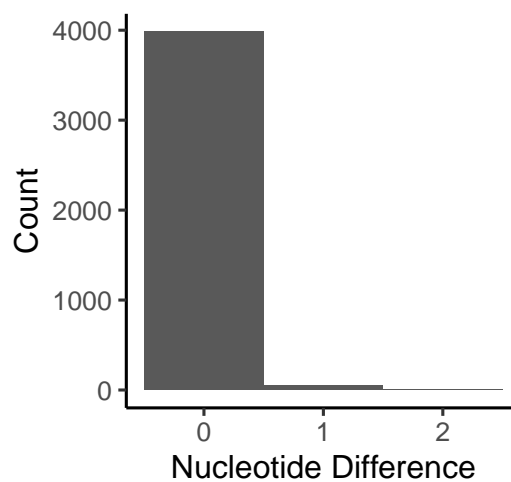
TRBV10-1*ap01

1940 sequences assigned
1917 (98.8%) exact matches, in which:
1869 unique CDR3
13 unique J



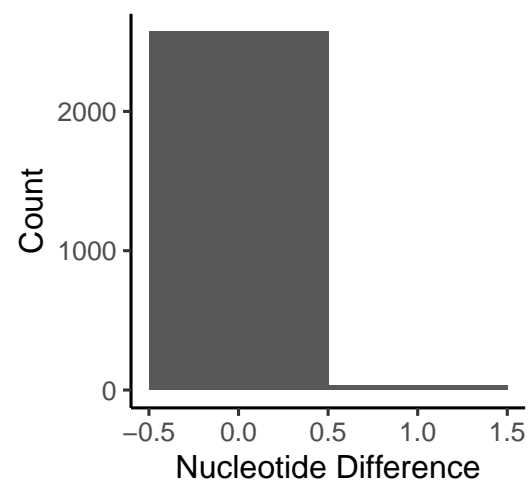
TRBV10-3*ap01

4030 sequences assigned
3983 (98.8%) exact matches, in which:
3918 unique CDR3
13 unique J



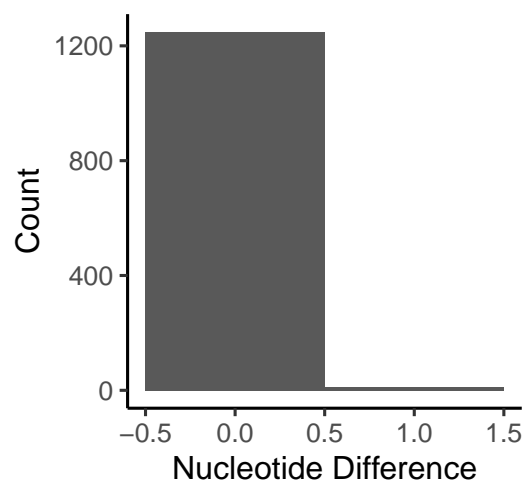
TRBV14*ap01

2603 sequences assigned
2572 (98.8%) exact matches, in which:
2520 unique CDR3
13 unique J



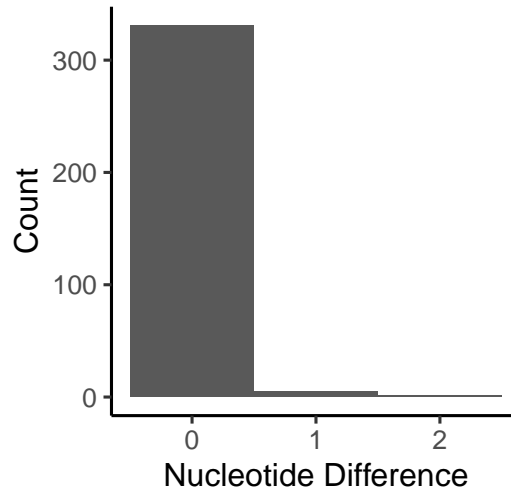
TRBV20-1*ap02

1259 sequences assigned
1248 (99.1%) exact matches, in which:
1222 unique CDR3
13 unique J



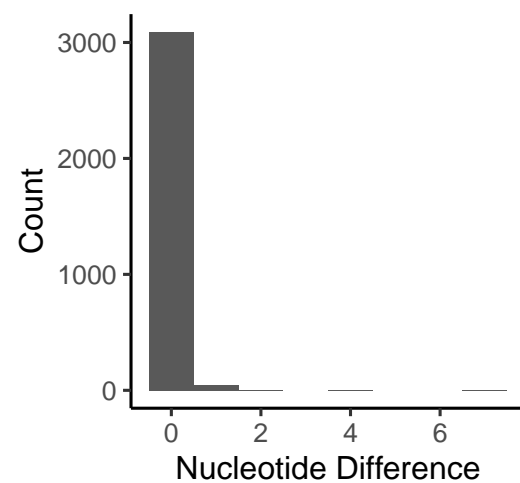
TRBV1*ap01

337 sequences assigned
331 (98.2%) exact matches, in which:
322 unique CDR3
13 unique J



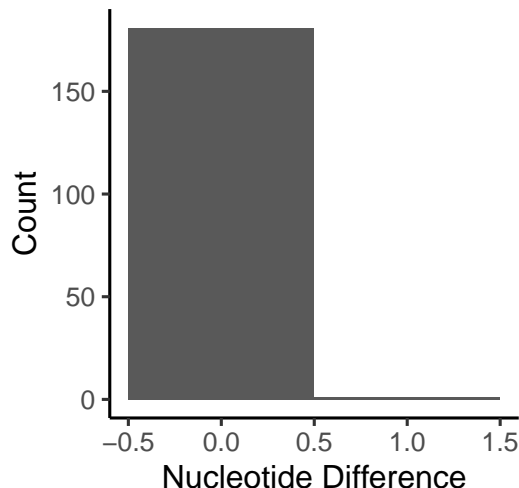
TRBV15*ap02

3144 sequences assigned
3090 (98.3%) exact matches, in which:
3014 unique CDR3
13 unique J



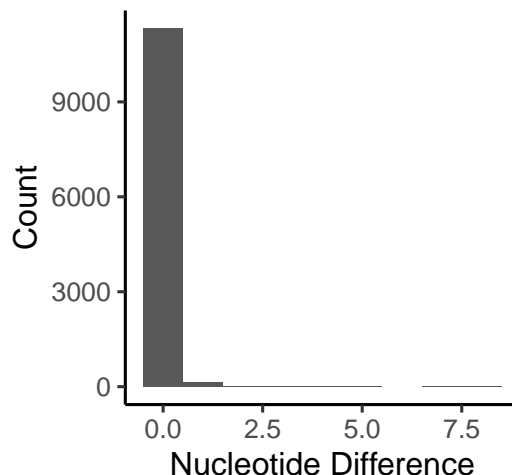
TRBV16*ap01

182 sequences assigned
181 (99.5%) exact matches, in which:
180 unique CDR3
13 unique J



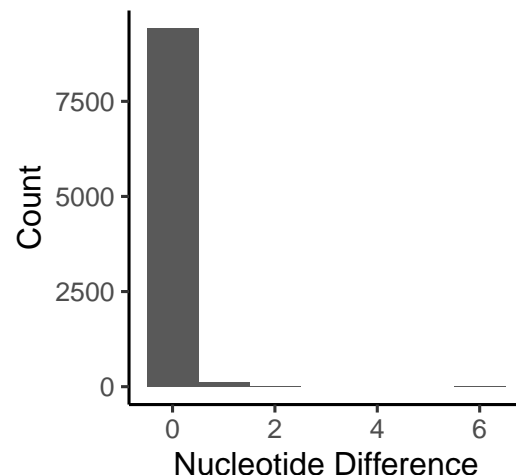
TRBV19*ap01

11471 sequences assigned
11322 (98.7%) exact matches, in which:
11208 unique CDR3
13 unique J



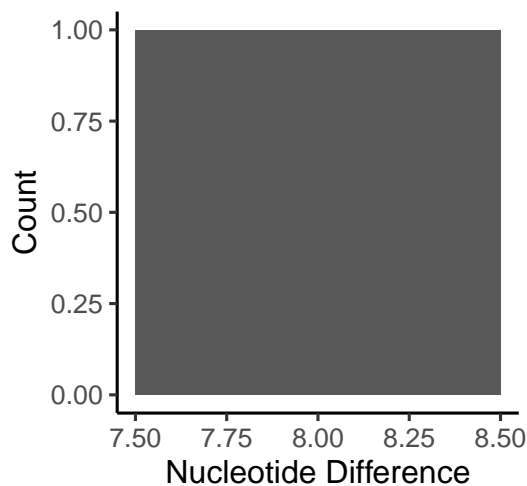
TRBV28*ap01

9536 sequences assigned
9417 (98.8%) exact matches, in which:
9233 unique CDR3
13 unique J



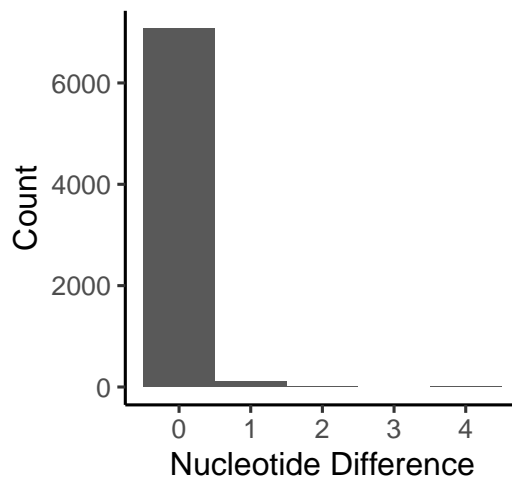
TRBV17*ap01

1 sequences assigned
No exact matches.



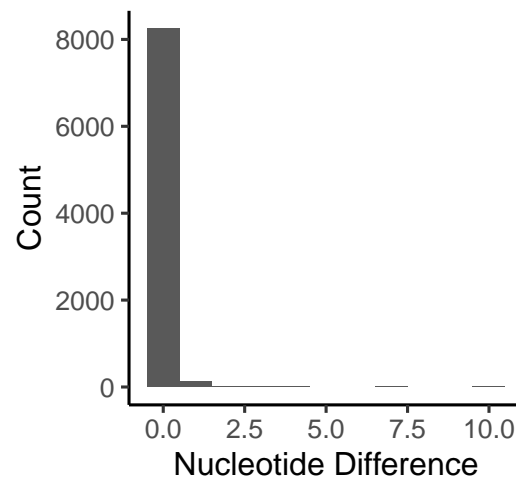
TRBV2*ap01

7175 sequences assigned
7070 (98.5%) exact matches, in which:
6946 unique CDR3
13 unique J



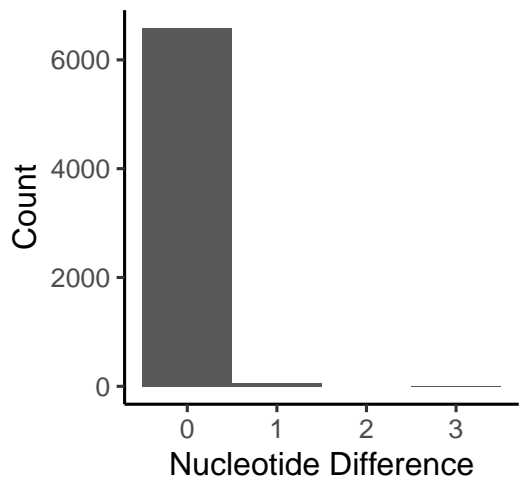
TRBV30*ap01

8385 sequences assigned
8246 (98.3%) exact matches, in which:
8099 unique CDR3
13 unique J



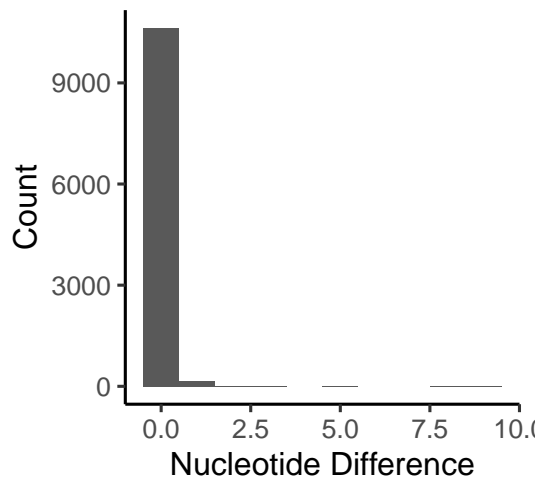
TRBV18*ap01

6646 sequences assigned
6584 (99.1%) exact matches, in which:
6516 unique CDR3
13 unique J



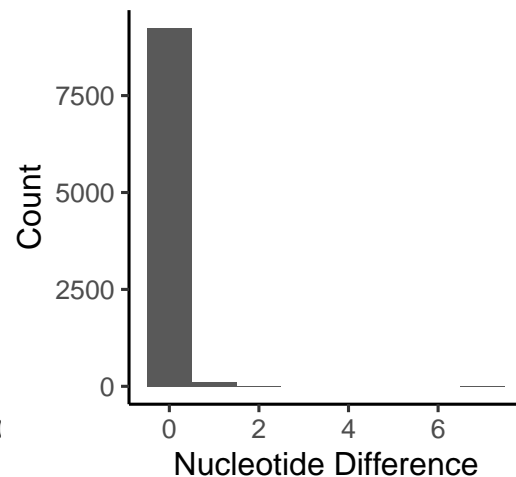
TRBV27*ap01

10806 sequences assigned
10627 (98.3%) exact matches, in which:
10382 unique CDR3
13 unique J



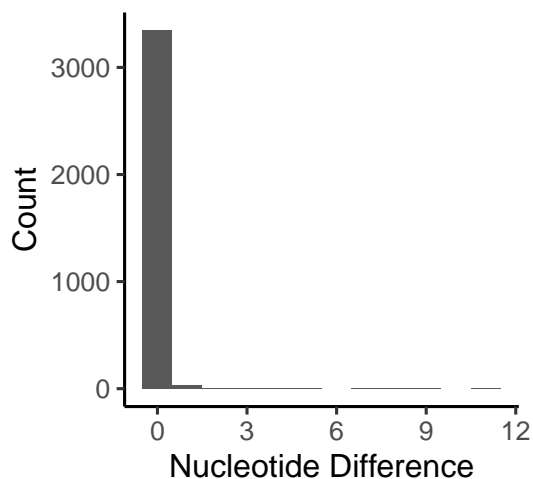
TRBV9*ap01

9352 sequences assigned
9243 (98.8%) exact matches, in which:
9081 unique CDR3
13 unique J



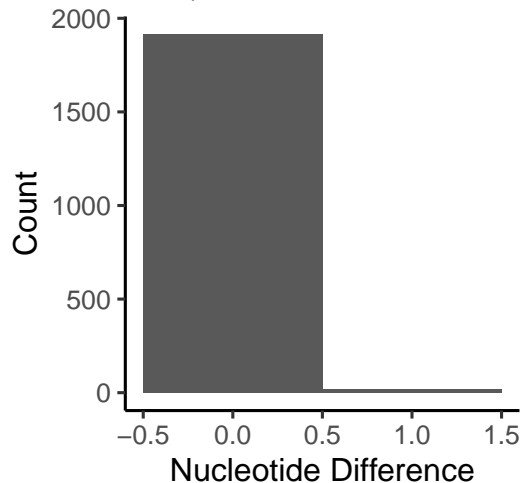
TRBV21-1*ap01

3399 sequences assigned
3346 (98.4%) exact matches, in which:
3298 unique CDR3
13 unique J



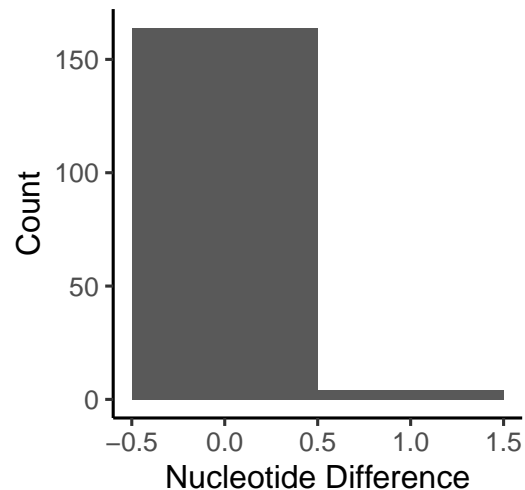
TRBV11-3*ap01

1934 sequences assigned
1914 (99%) exact matches, in which:
1885 unique CDR3
13 unique J



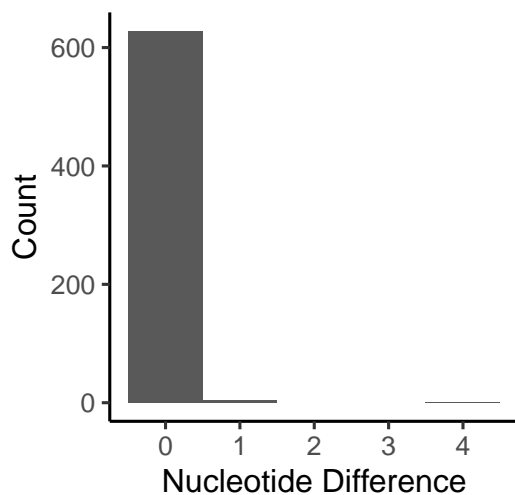
TRBV12-2*ap01_G301A

168 sequences assigned
164 (97.6%) exact matches, in which:
159 unique CDR3
12 unique J



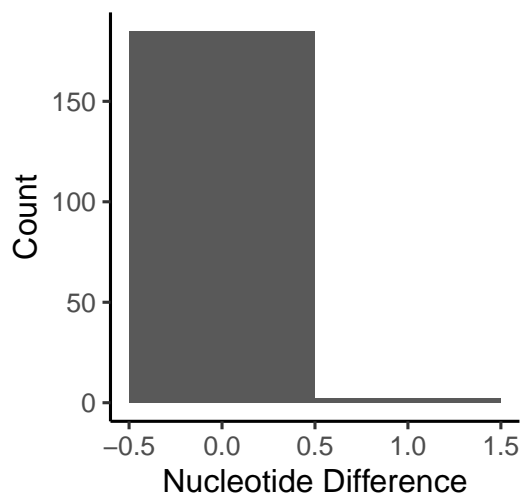
TRBV11-1*ap01

634 sequences assigned
628 (99.1%) exact matches, in which:
615 unique CDR3
13 unique J



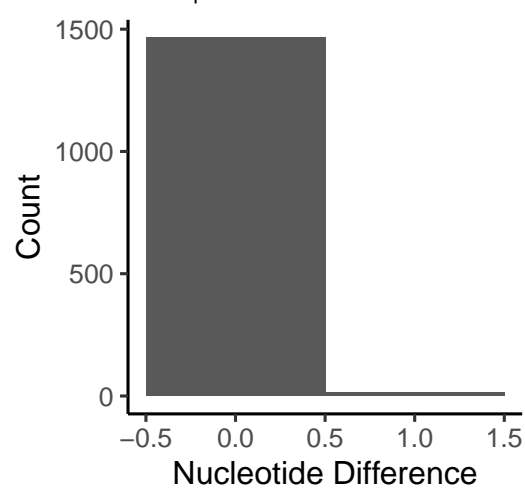
TRBV12-1*ap01

187 sequences assigned
185 (98.9%) exact matches, in which:
182 unique CDR3
13 unique J



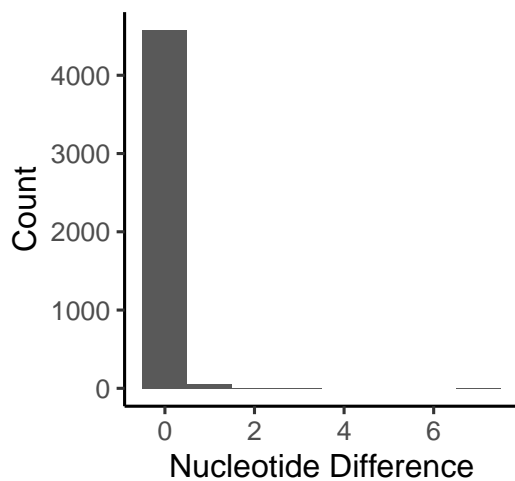
TRBV12-5*ap01

1480 sequences assigned
1465 (99%) exact matches, in which:
1431 unique CDR3
13 unique J



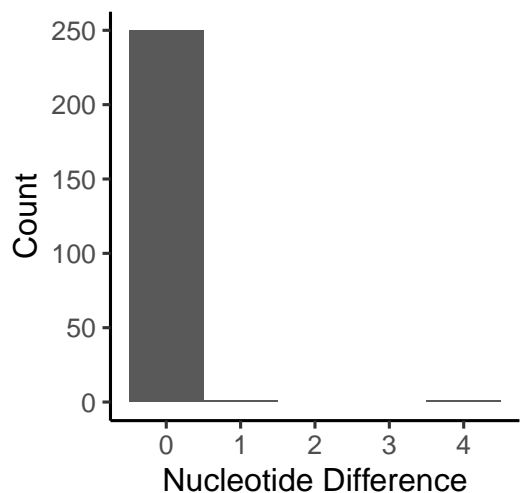
TRBV11-2*ap01

4633 sequences assigned
4578 (98.8%) exact matches, in which:
4483 unique CDR3
13 unique J



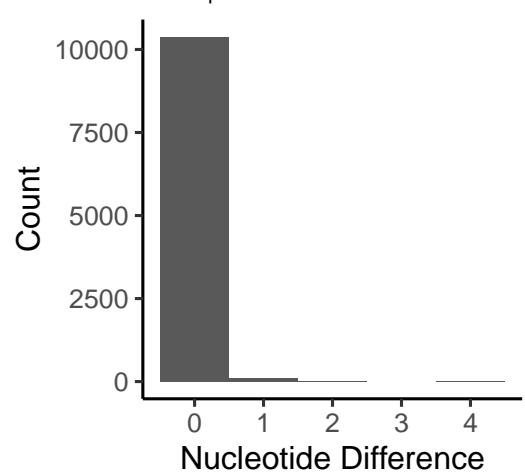
TRBV12-2*ap01

252 sequences assigned
250 (99.2%) exact matches, in which:
245 unique CDR3
13 unique J



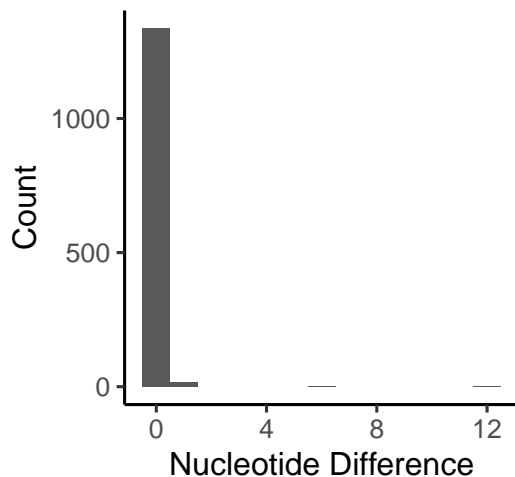
TRBV12-34*ap01

10505 sequences assigned
10382 (98.8%) exact matches, in which:
10199 unique CDR3
13 unique J



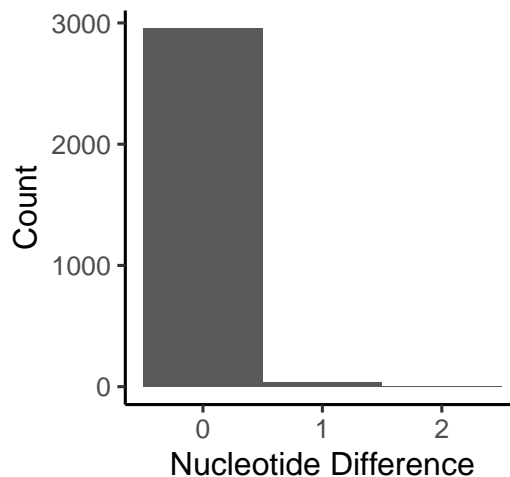
TRBV23-1*ap01

1354 sequences assigned
1336 (98.7%) exact matches, in which:
1314 unique CDR3
13 unique J



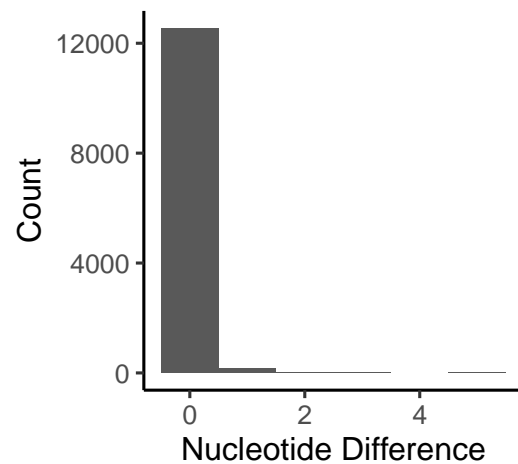
TRBV4-1*ap01

2992 sequences assigned
2955 (98.8%) exact matches, in which:
2894 unique CDR3
13 unique J



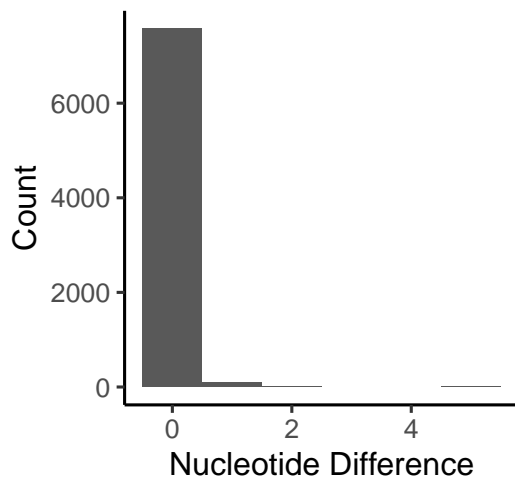
TRBV5-1*ap01

12725 sequences assigned
12550 (98.6%) exact matches, in which:
12257 unique CDR3
13 unique J



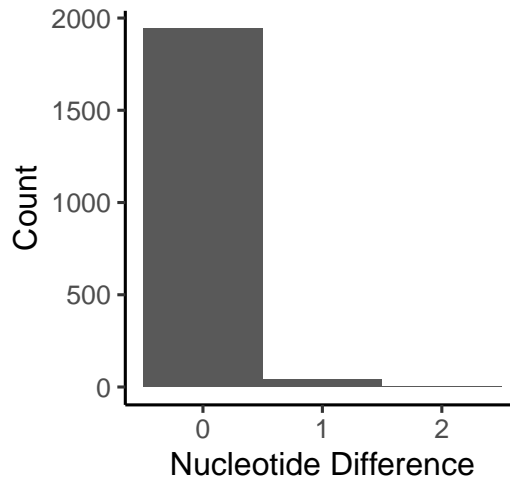
TRBV3-12*ap01

7674 sequences assigned
7574 (98.7%) exact matches, in which:
7446 unique CDR3
13 unique J



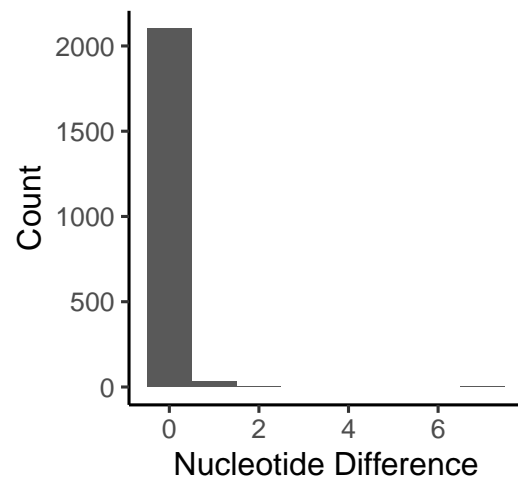
TRBV4-2*ap01

1988 sequences assigned
1942 (97.7%) exact matches, in which:
1889 unique CDR3
13 unique J



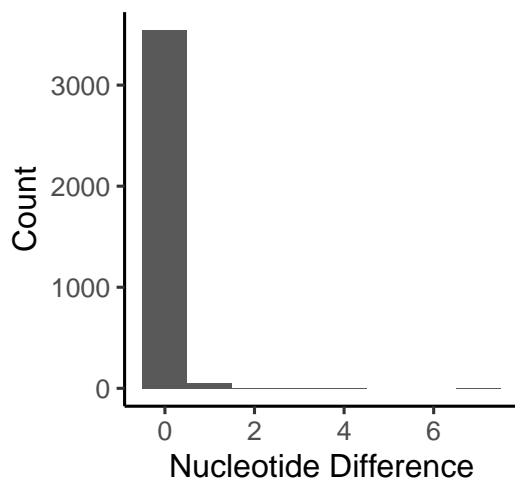
TRBV25-1*ap01

2134 sequences assigned
2101 (98.5%) exact matches, in which:
2073 unique CDR3
13 unique J



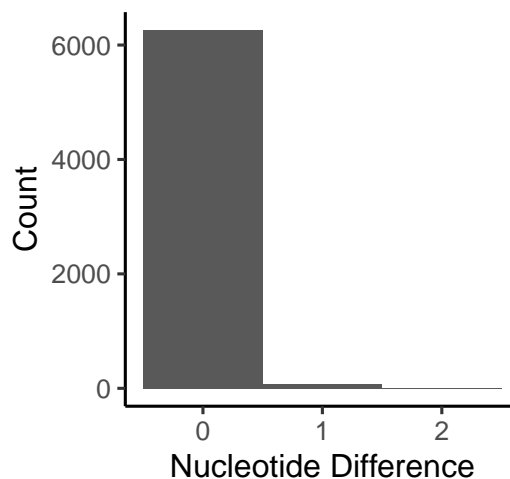
TRBV24-1*ap01

3601 sequences assigned
3545 (98.4%) exact matches, in which:
3485 unique CDR3
13 unique J



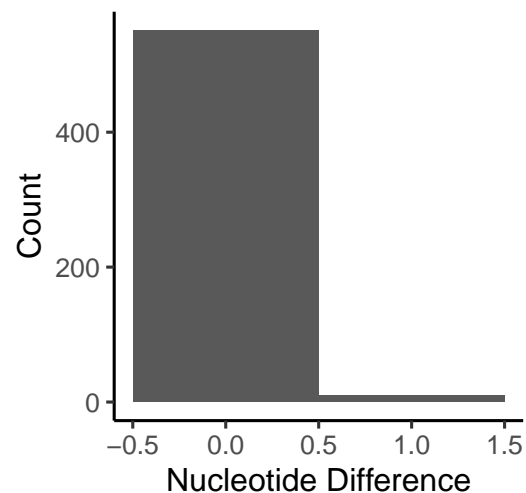
TRBV4-3*ap01

6342 sequences assigned
6262 (98.7%) exact matches, in which:
6159 unique CDR3
13 unique J



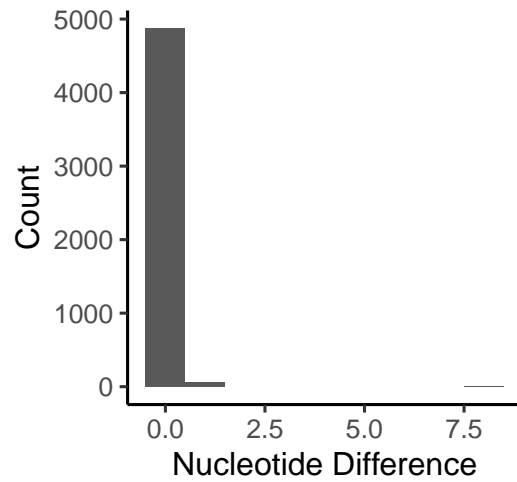
TRBV5-3*ap01

560 sequences assigned
551 (98.4%) exact matches, in which:
539 unique CDR3
13 unique J



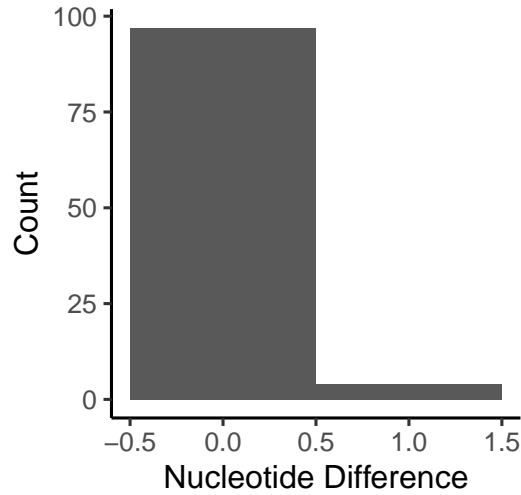
TRBV5-4*ap01

4930 sequences assigned
4873 (98.8%) exact matches, in which:
4774 unique CDR3
13 unique J



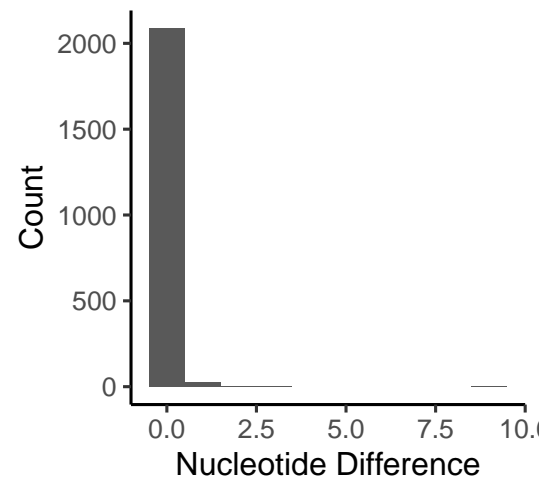
TRBV5-7*ap01

101 sequences assigned
97 (96%) exact matches, in which:
96 unique CDR3
13 unique J



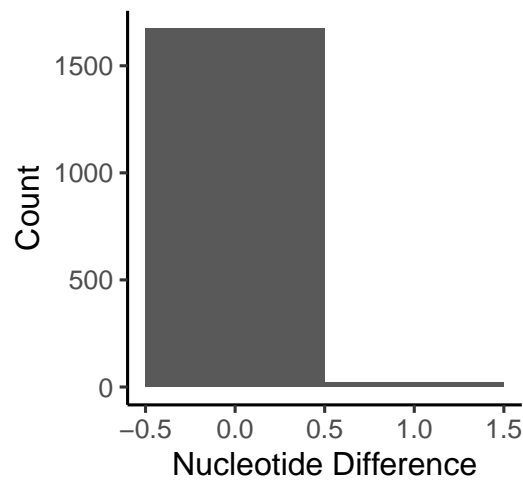
TRBV6-4*ap01

2115 sequences assigned
2087 (98.7%) exact matches, in which:
2051 unique CDR3
13 unique J



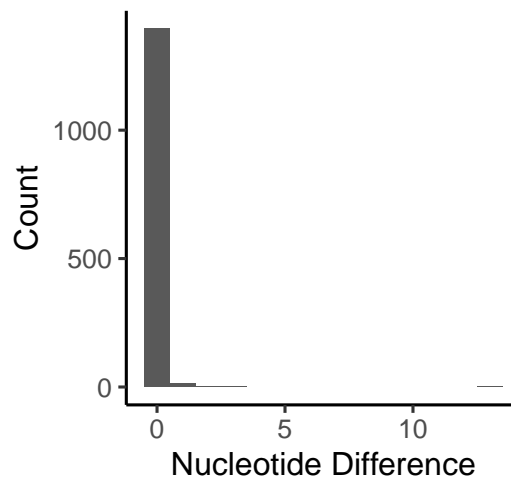
TRBV5-5*ap01

1696 sequences assigned
1673 (98.6%) exact matches, in which:
1661 unique CDR3
13 unique J



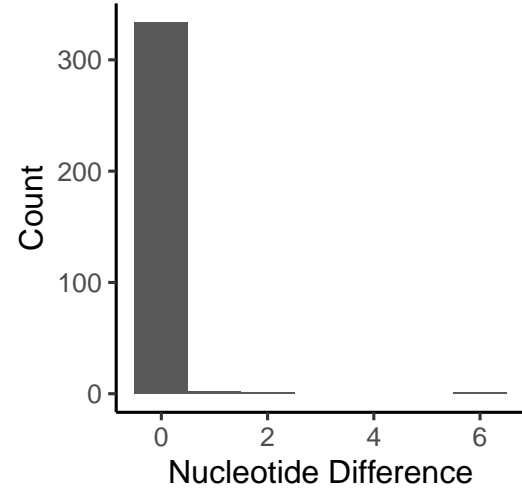
TRBV5-8*ap01

1415 sequences assigned
1395 (98.6%) exact matches, in which:
1366 unique CDR3
13 unique J



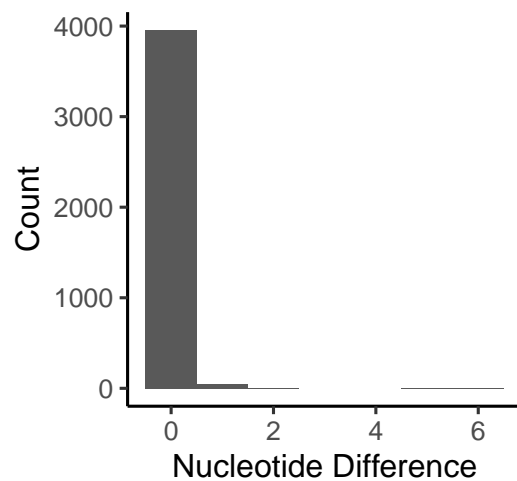
TRBV6-7*ap01

338 sequences assigned
334 (98.8%) exact matches, in which:
324 unique CDR3
13 unique J



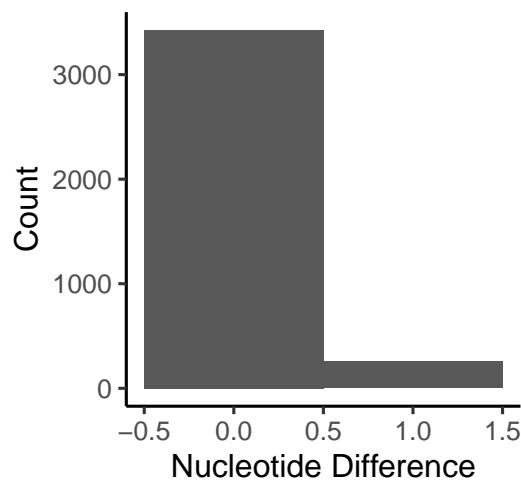
TRBV5-6*ap01

4004 sequences assigned
3956 (98.8%) exact matches, in which:
3871 unique CDR3
13 unique J



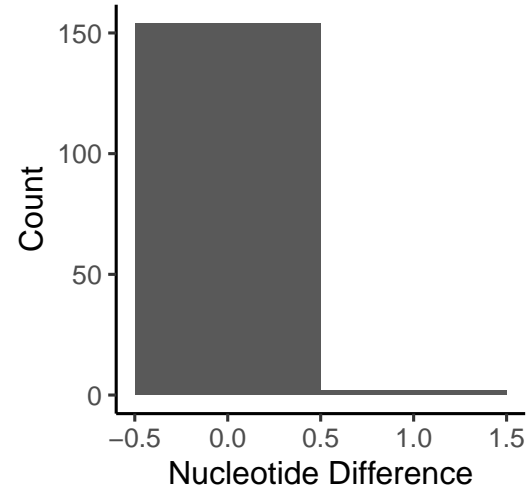
TRBV6-1*ap01

3681 sequences assigned
3426 (93.1%) exact matches, in which:
3339 unique CDR3
13 unique J



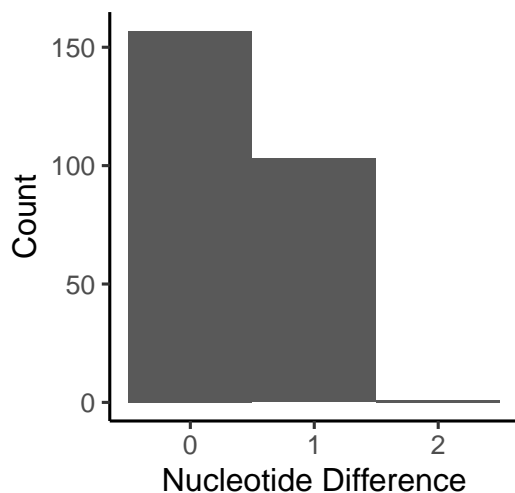
TRBV6-8*ap01

156 sequences assigned
154 (98.7%) exact matches, in which:
151 unique CDR3
13 unique J



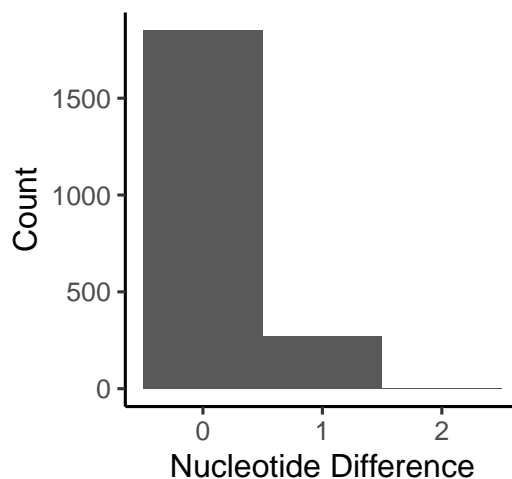
TRBV6-9*ap01

261 sequences assigned
157 (60.2%) exact matches, in which:
151 unique CDR3
13 unique J



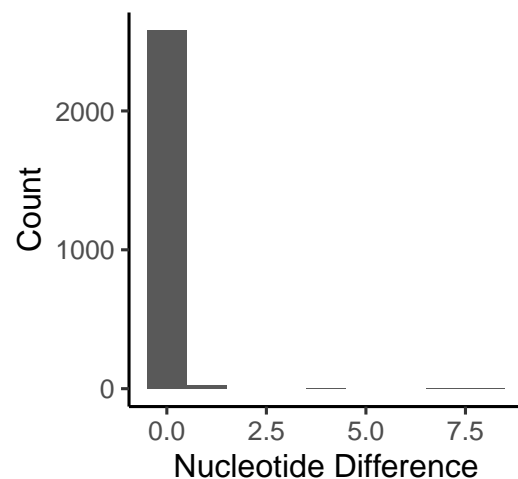
TRBV6-56*ap02

2125 sequences assigned
1850 (87.1%) exact matches, in which:
1805 unique CDR3
13 unique J



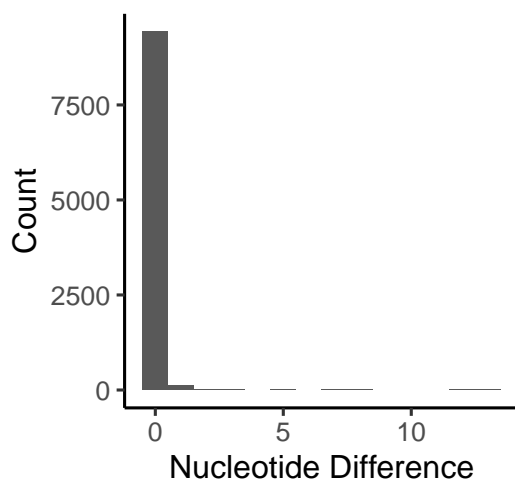
TRBV7-3*ap01

2608 sequences assigned
2580 (98.9%) exact matches, in which:
2532 unique CDR3
13 unique J



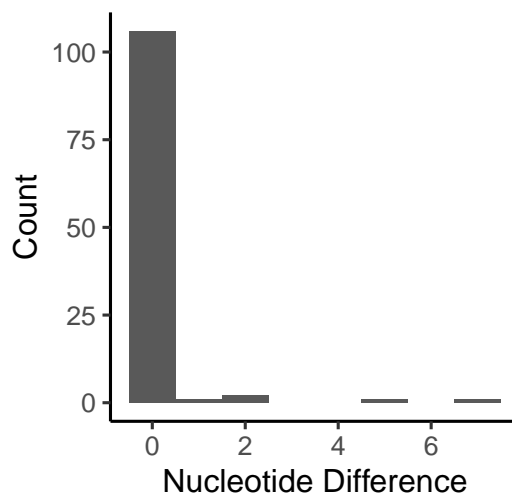
TRBV6-23*ap01

9551 sequences assigned
9426 (98.7%) exact matches, in which:
9230 unique CDR3
13 unique J



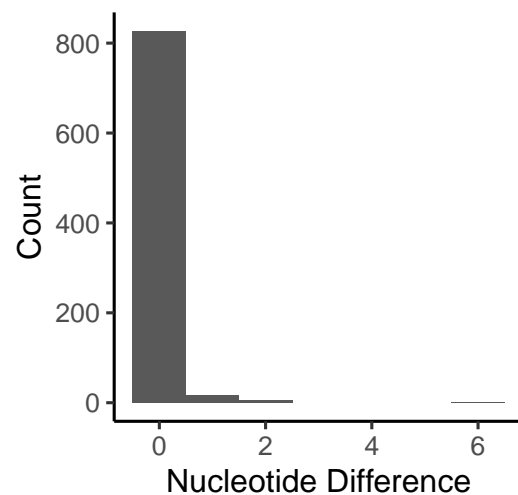
TRBV7-1*ap01_G291C_

111 sequences assigned
106 (95.5%) exact matches, in which:
105 unique CDR3
11 unique J



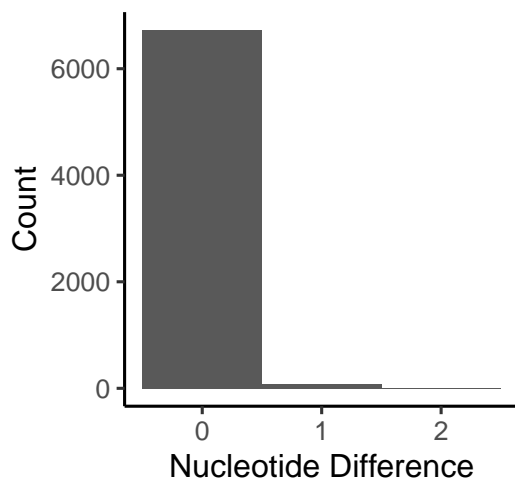
TRBV7-3*ap02

849 sequences assigned
827 (97.4%) exact matches, in which:
815 unique CDR3
13 unique J



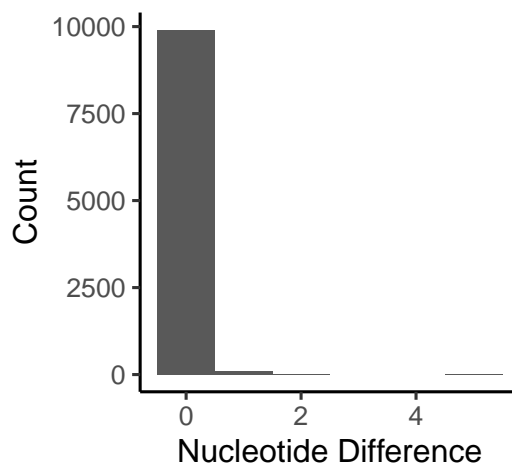
TRBV6-56*ap01

6811 sequences assigned
6726 (98.8%) exact matches, in which:
6582 unique CDR3
13 unique J



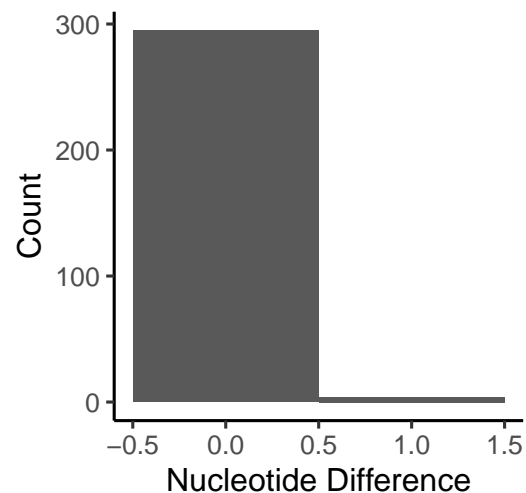
TRBV7-2*ap01

10011 sequences assigned
9908 (99%) exact matches, in which:
9735 unique CDR3
13 unique J



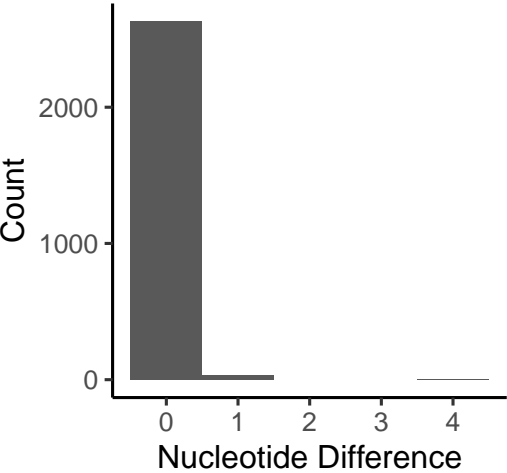
TRBV7-4*ap01

299 sequences assigned
295 (98.7%) exact matches, in which:
293 unique CDR3
13 unique J



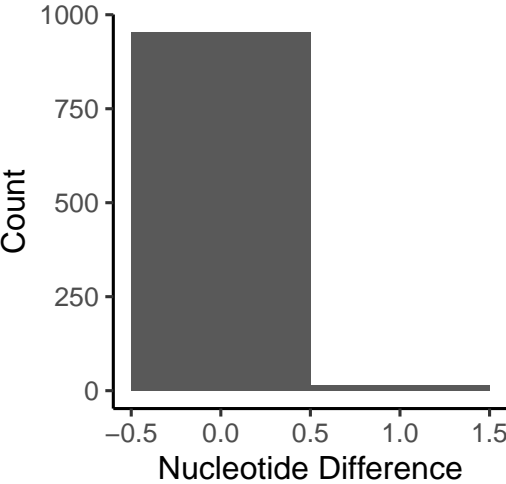
TRBV7-6*ap01

2662 sequences assigned
2630 (98.8%) exact matches, in which:
2580 unique CDR3
13 unique J



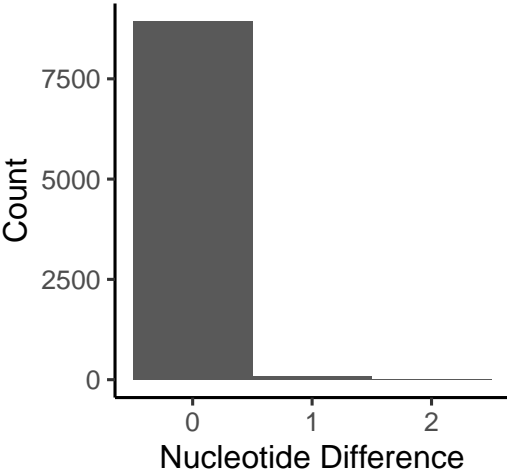
TRBV7-8*ap01

967 sequences assigned
953 (98.6%) exact matches, in which:
929 unique CDR3
13 unique J



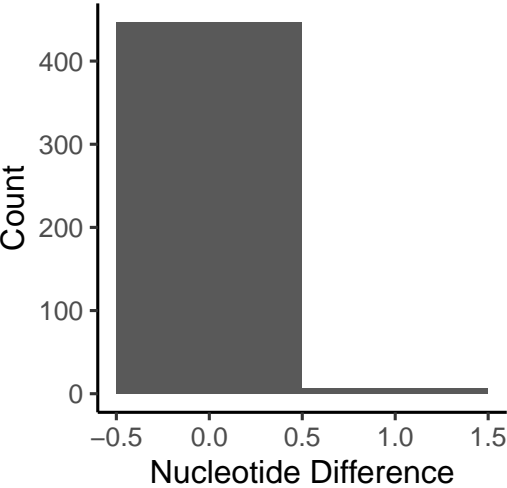
TRBV7-9*ap01

9031 sequences assigned
8931 (98.9%) exact matches, in which:
8776 unique CDR3
13 unique J



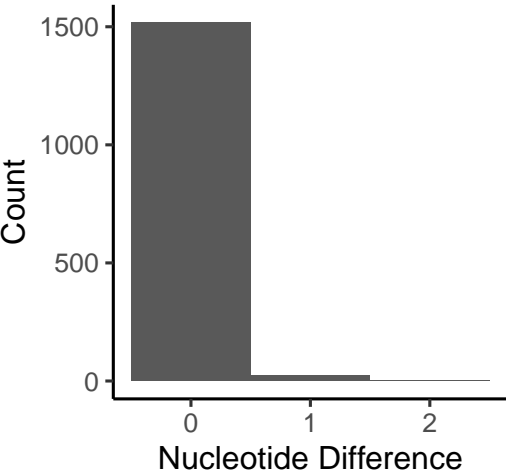
TRBV7-7*ap01

454 sequences assigned
447 (98.5%) exact matches, in which:
439 unique CDR3
13 unique J



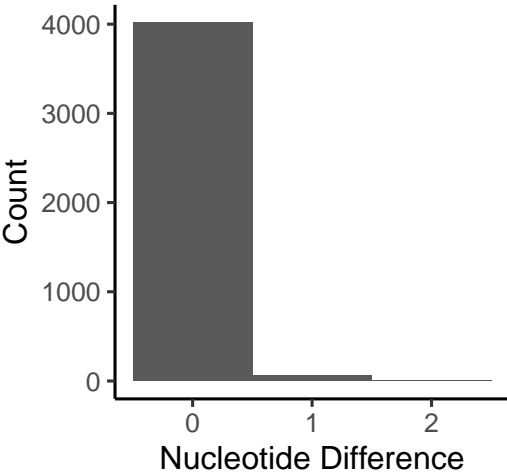
TRBV7-8*ap02

1544 sequences assigned
1517 (98.3%) exact matches, in which:
1474 unique CDR3
13 unique J



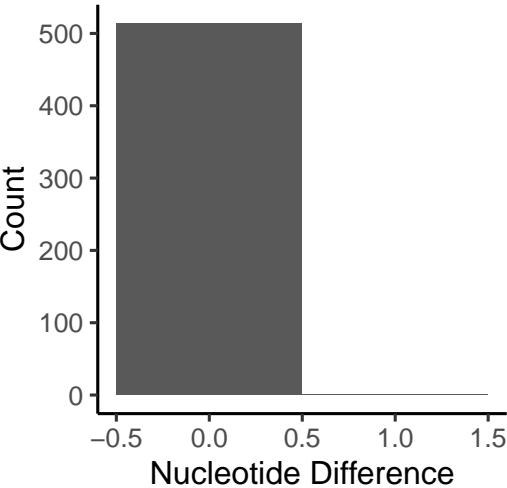
TRBV29-1*ap01

4083 sequences assigned
4016 (98.4%) exact matches, in which:
3935 unique CDR3
13 unique J



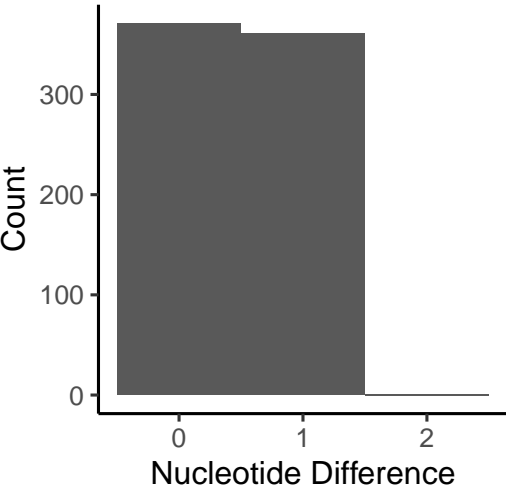
TRBV7-7*ap01_C315T

515 sequences assigned
514 (99.8%) exact matches, in which:
504 unique CDR3
13 unique J



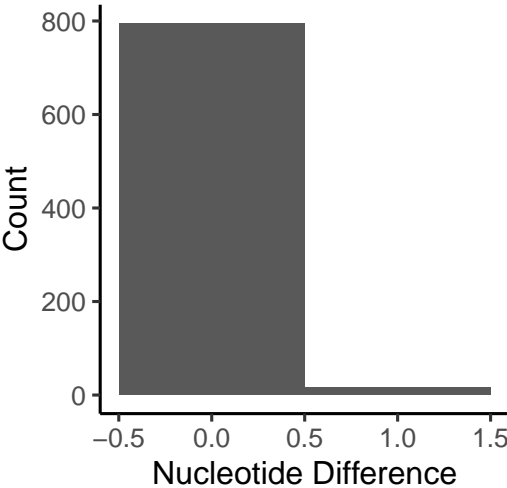
TRBV7-8*ap03

733 sequences assigned
371 (50.6%) exact matches, in which:
364 unique CDR3
13 unique J

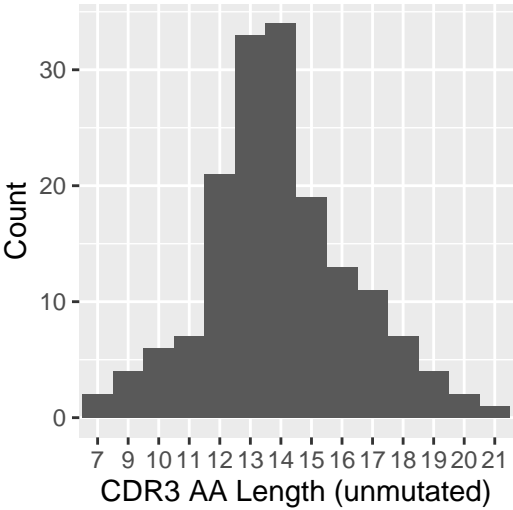


TRBV29-1*ap02

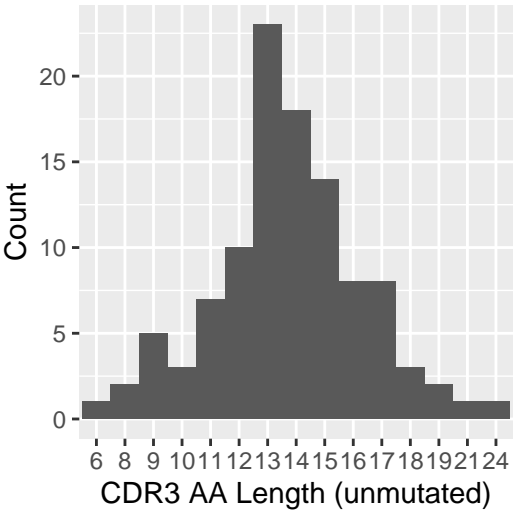
811 sequences assigned
795 (98%) exact matches, in which:
784 unique CDR3
13 unique J



TRBV12-2*ap01_G301A



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

