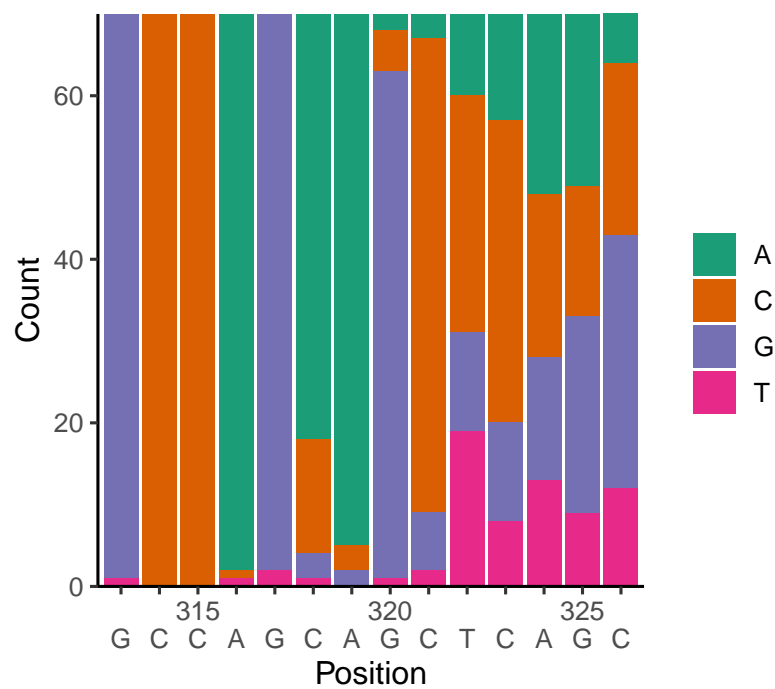
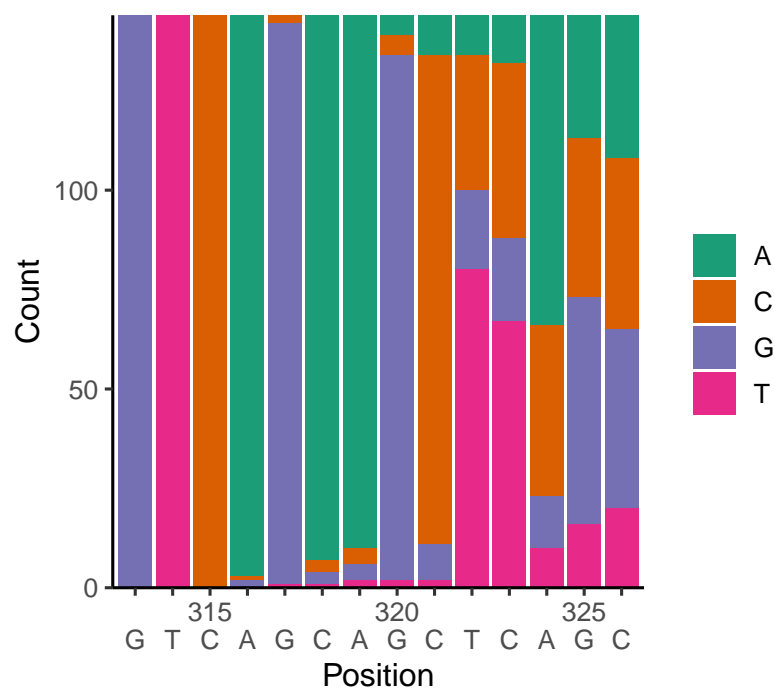


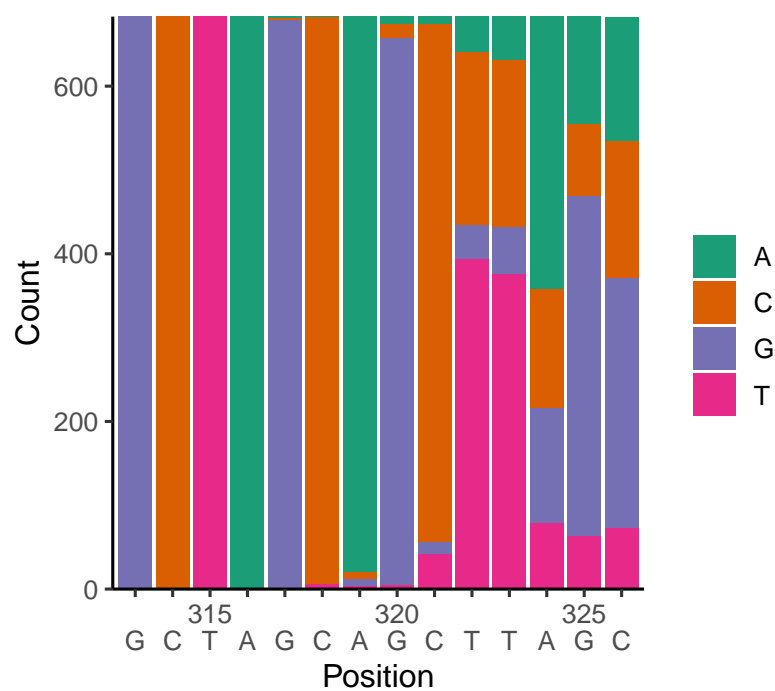
Gene TRBV7-1*ap01_T296C



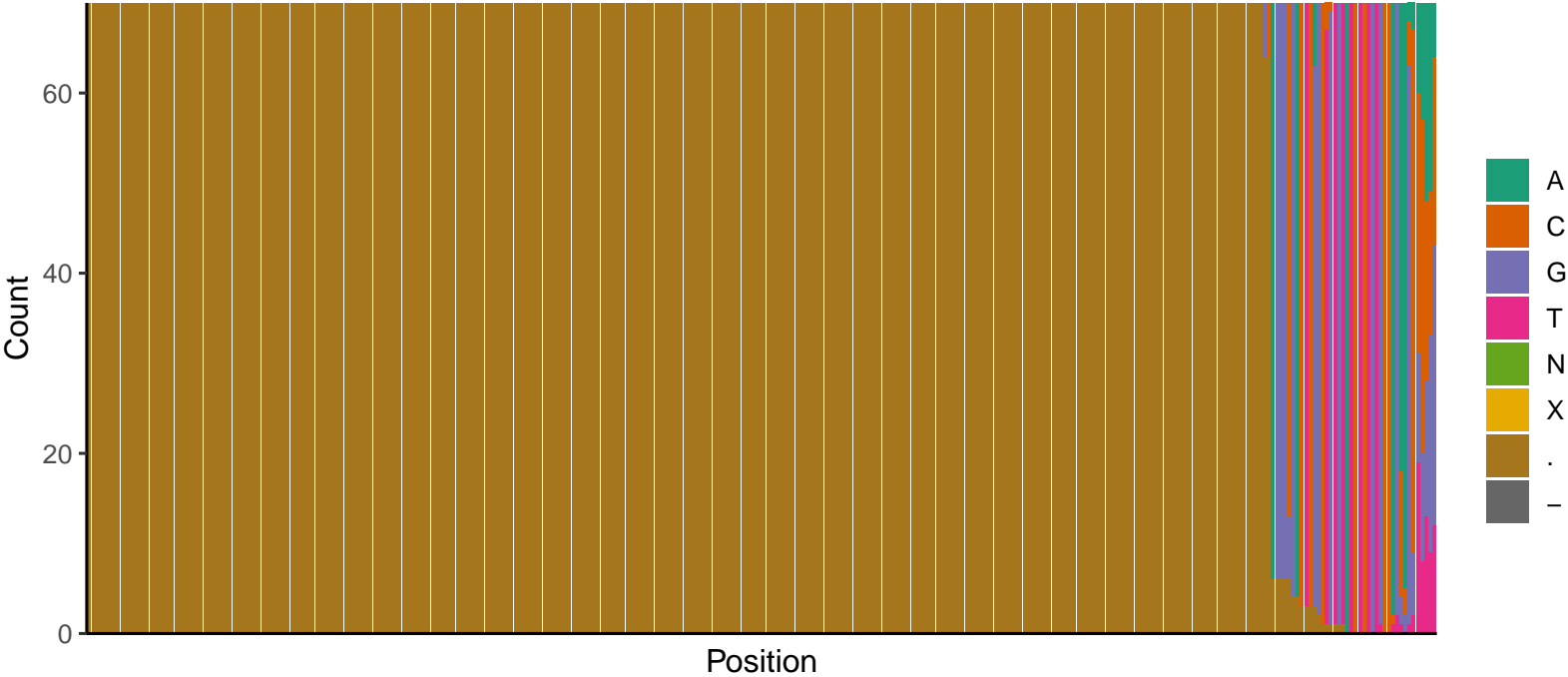
Gene TRBV7-1*ap01_T296C_C314T



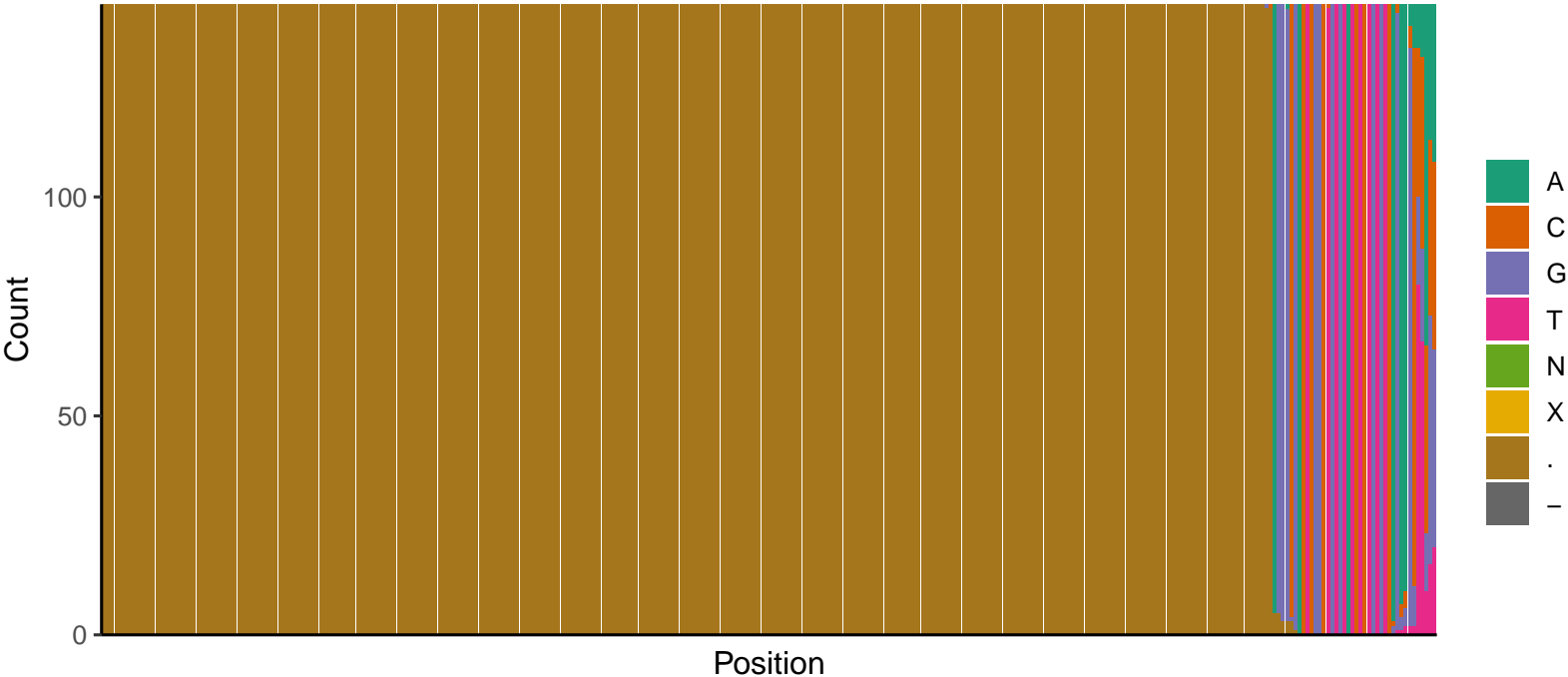
Gene TRBV7-7*ap01_C315T



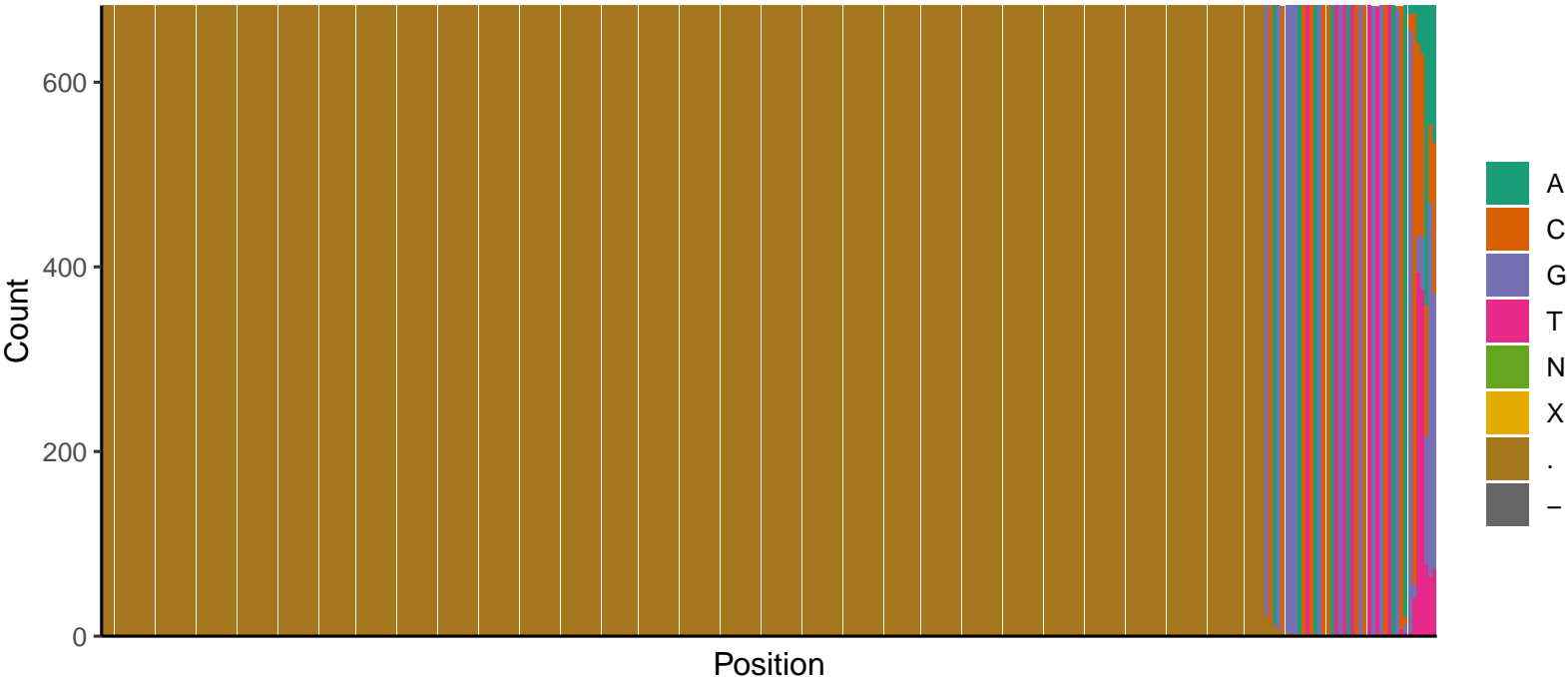
Gene TRBV7-1*ap01_T296C



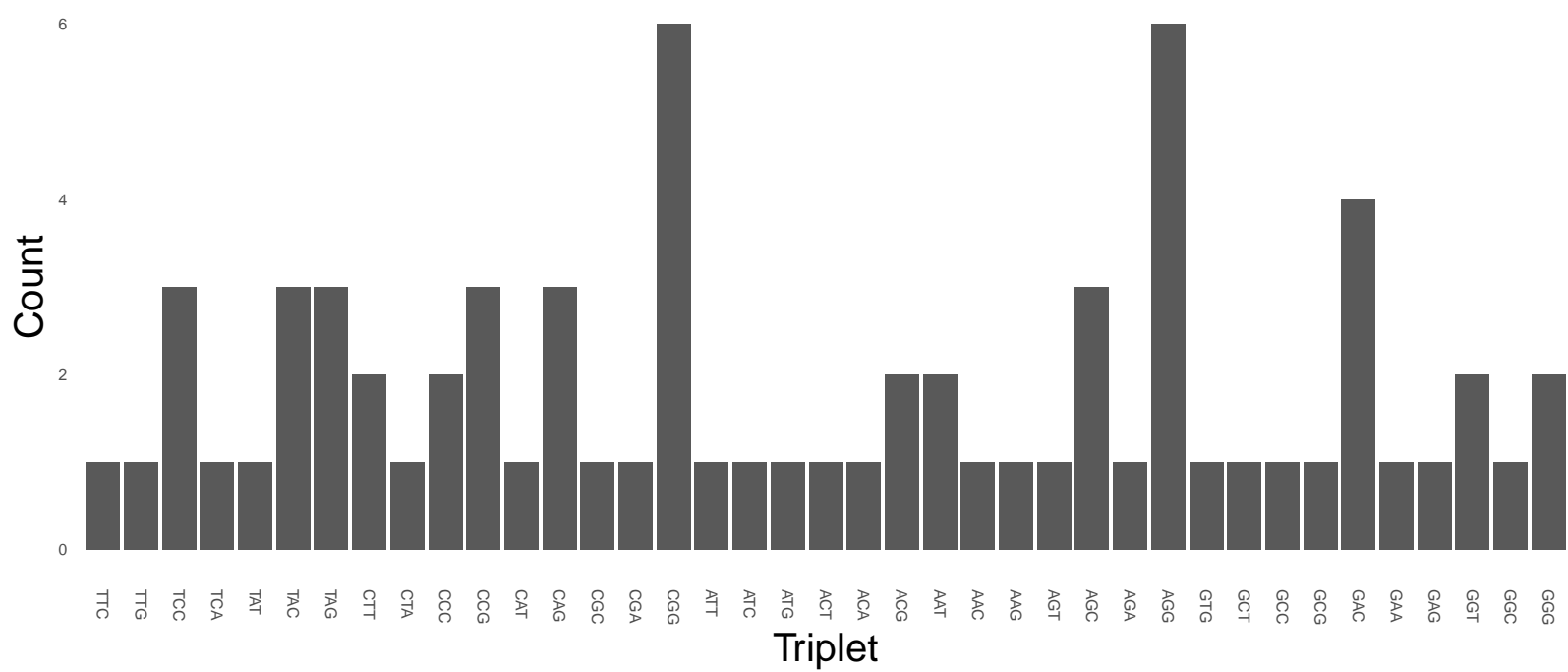
Gene TRBV7-1*ap01_T296C_C314T



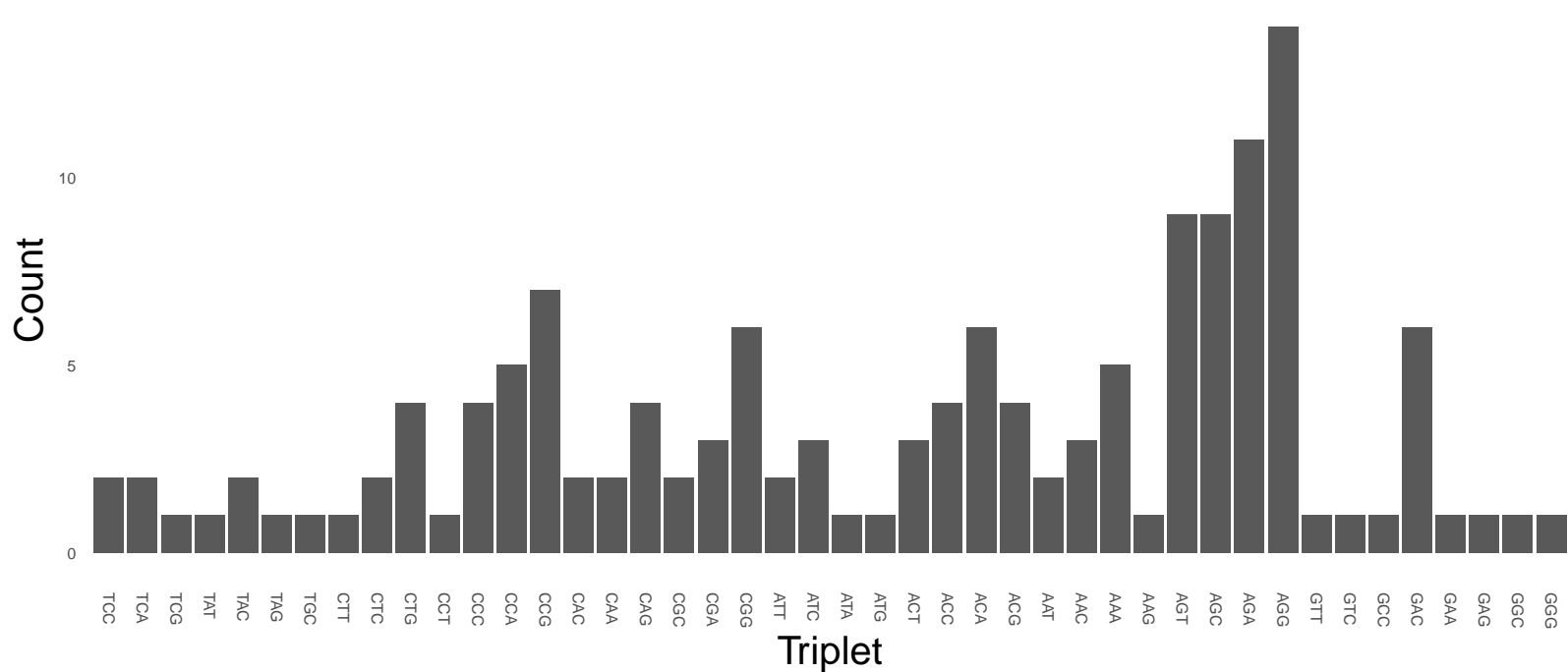
Gene TRBV7-7*ap01_C315T



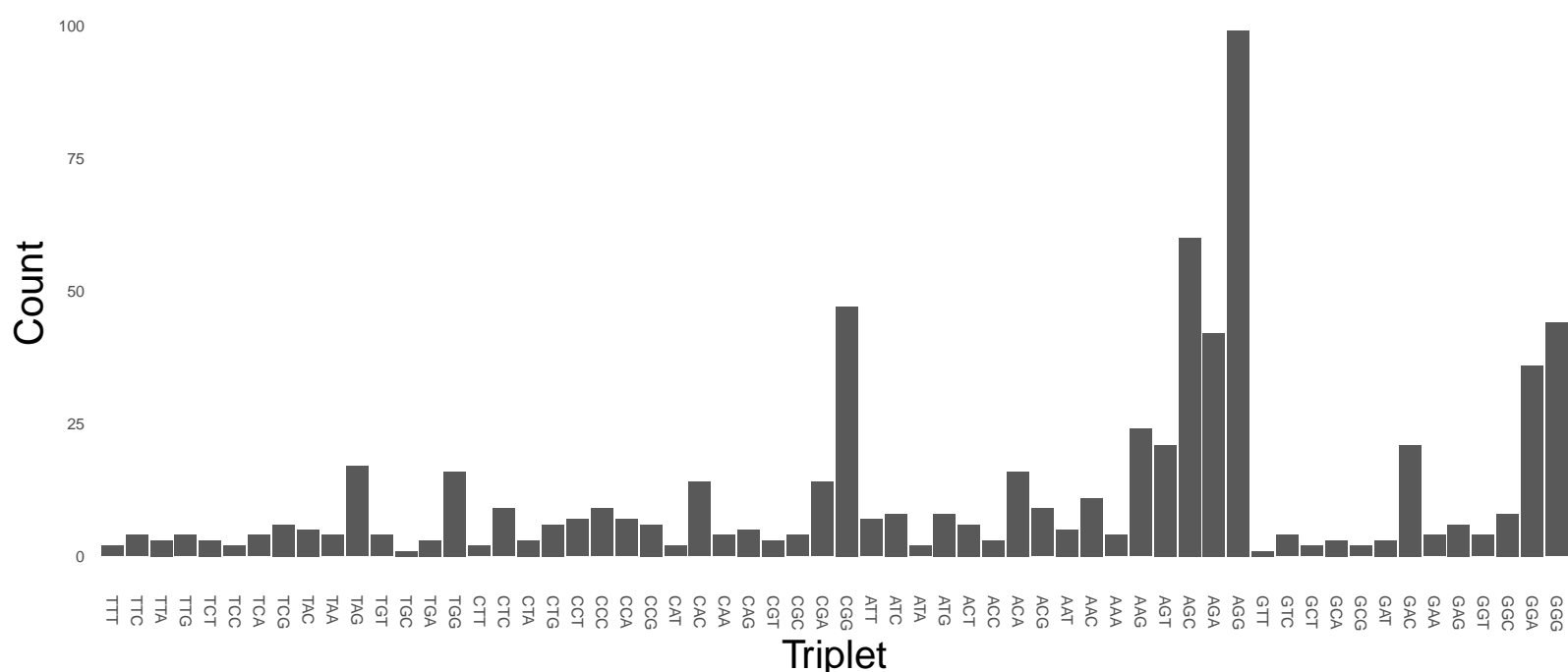
TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet



TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet

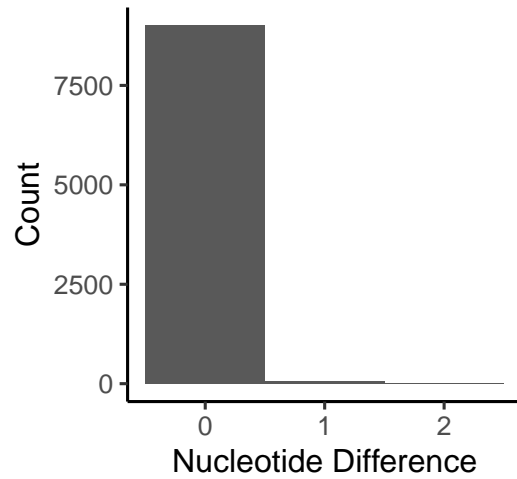


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



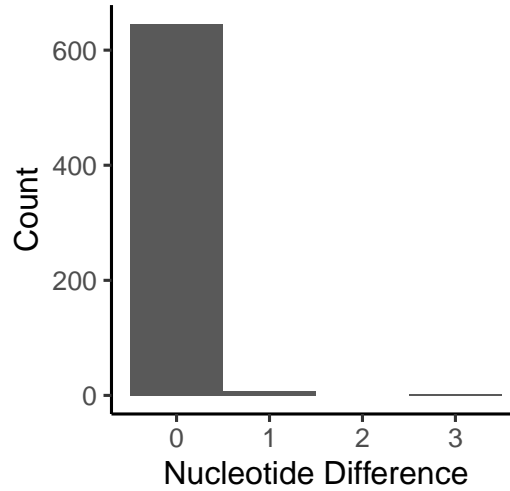
TRBV20-1*ap01

9077 sequences assigned
9009 (99.3%) exact matches, in which:
8906 unique CDR3
13 unique J



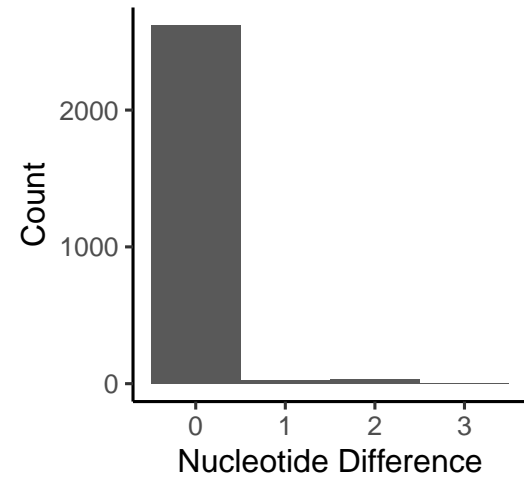
TRBV10-2*ap01

656 sequences assigned
646 (98.5%) exact matches, in which:
638 unique CDR3
13 unique J



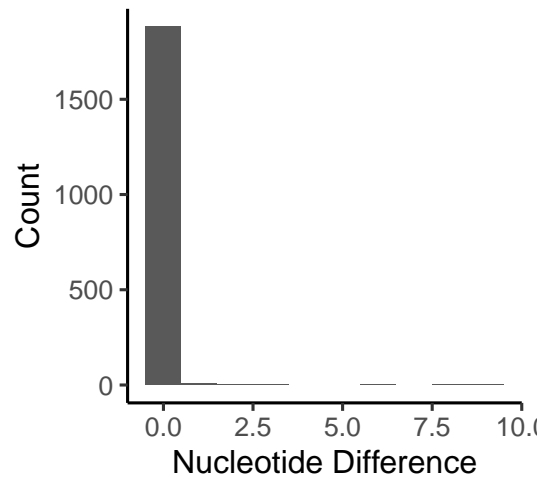
TRBV13*ap01

2677 sequences assigned
2619 (97.8%) exact matches, in which:
2564 unique CDR3
13 unique J



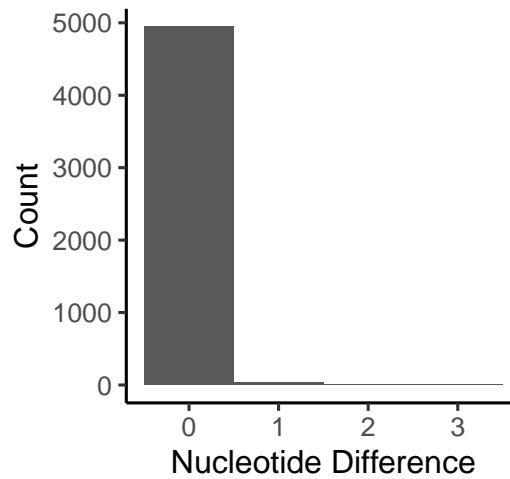
TRBV10-1*ap01

1895 sequences assigned
1881 (99.3%) exact matches, in which:
1864 unique CDR3
13 unique J



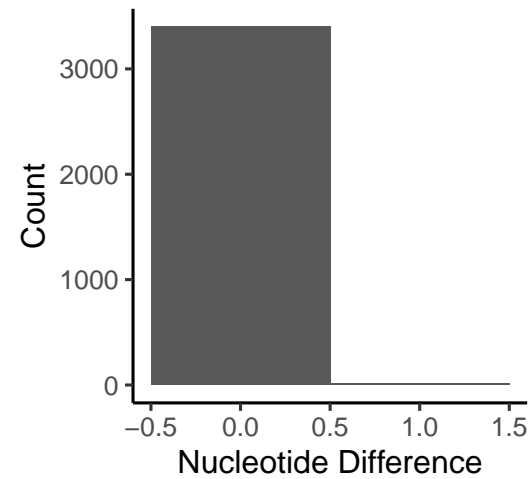
TRBV10-3*ap01

4986 sequences assigned
4946 (99.2%) exact matches, in which:
4876 unique CDR3
13 unique J



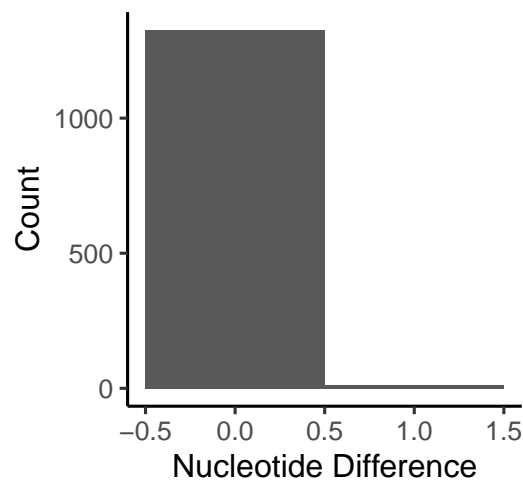
TRBV14*ap01

3414 sequences assigned
3400 (99.6%) exact matches, in which:
3367 unique CDR3
13 unique J



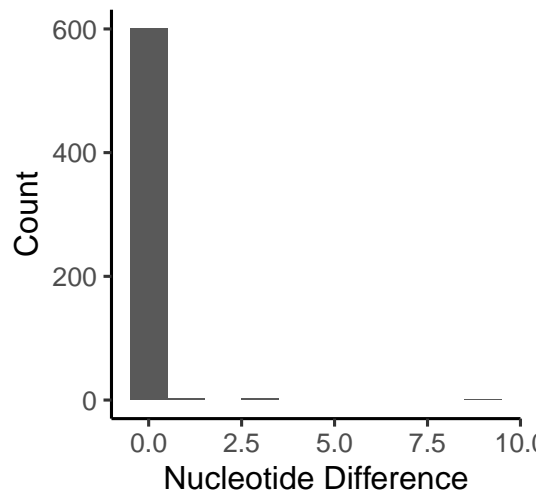
TRBV20-1*ap02

1338 sequences assigned
1326 (99.1%) exact matches, in which:
1315 unique CDR3
13 unique J



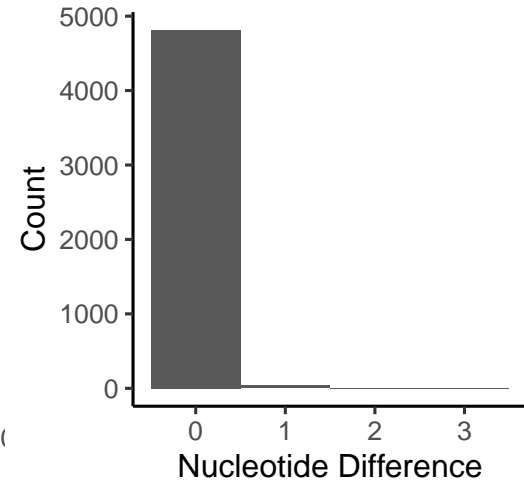
TRBV1*ap01

606 sequences assigned
601 (99.2%) exact matches, in which:
587 unique CDR3
13 unique J



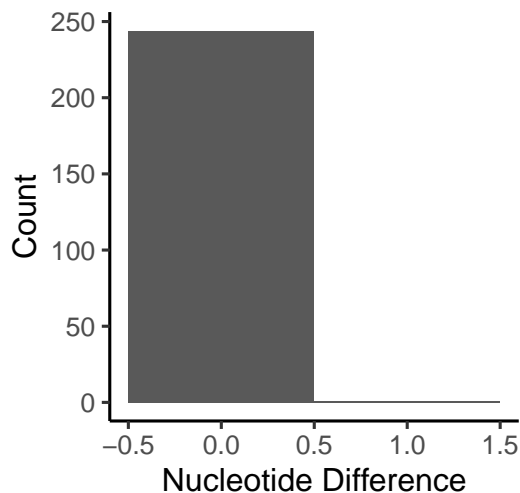
TRBV15*ap02

4855 sequences assigned
4813 (99.1%) exact matches, in which:
4726 unique CDR3
13 unique J



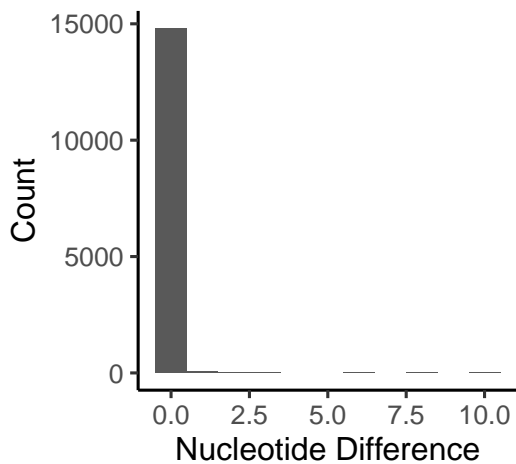
TRBV16*ap01

245 sequences assigned
244 (99.6%) exact matches, in which:
242 unique CDR3
13 unique J



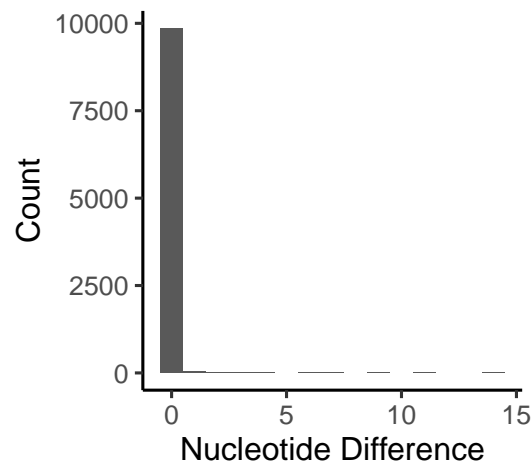
TRBV19*ap01

14908 sequences assigned
14814 (99.4%) exact matches, in which:
14720 unique CDR3
13 unique J



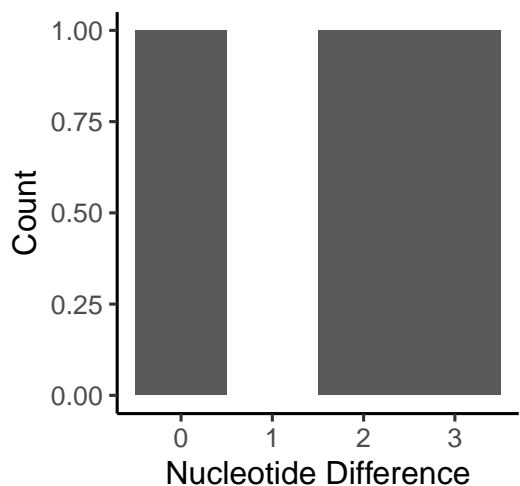
TRBV27*ap01

9934 sequences assigned
9862 (99.3%) exact matches, in which:
9717 unique CDR3
13 unique J



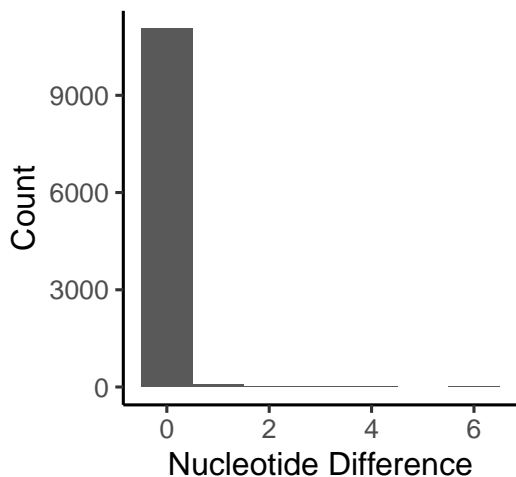
TRBV17*ap01

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



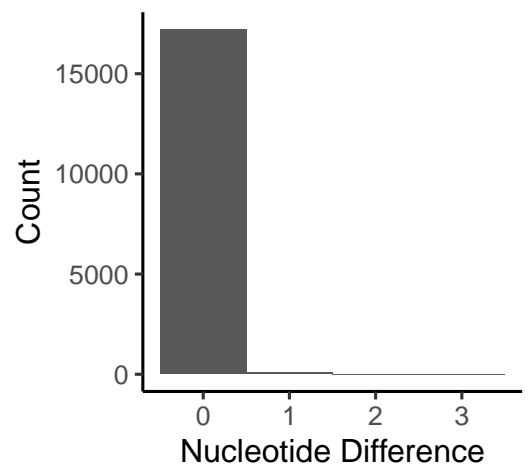
TRBV2*ap01

11128 sequences assigned
11055 (99.3%) exact matches, in which:
10917 unique CDR3
13 unique J



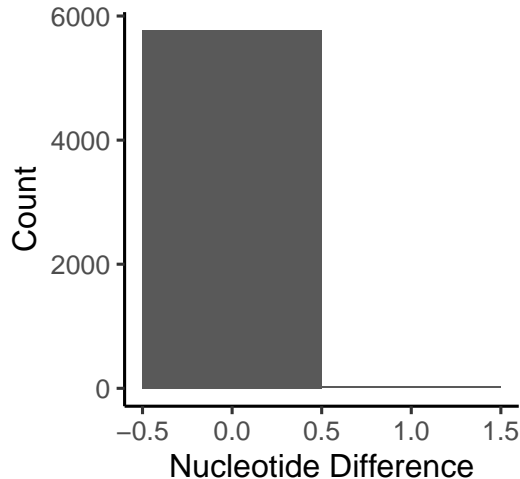
TRBV28*ap01

17311 sequences assigned
17208 (99.4%) exact matches, in which:
17026 unique CDR3
13 unique J



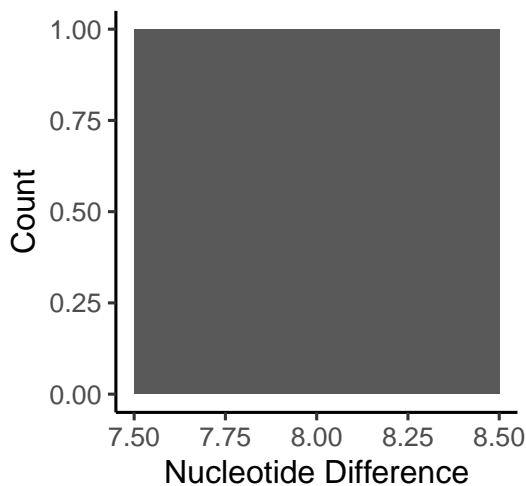
TRBV18*ap01

5802 sequences assigned
5774 (99.5%) exact matches, in which:
5716 unique CDR3
13 unique J



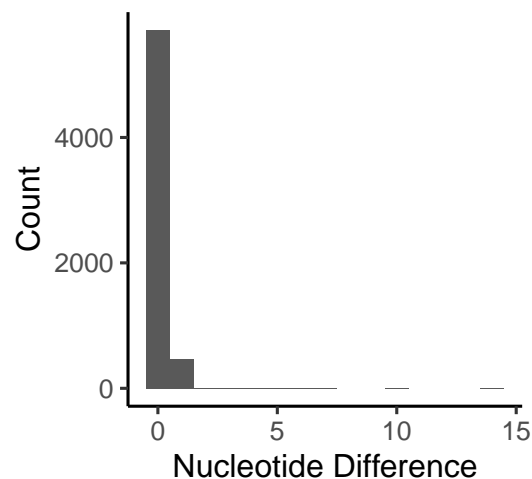
TRBV26*ap01

1 sequences assigned
No exact matches.



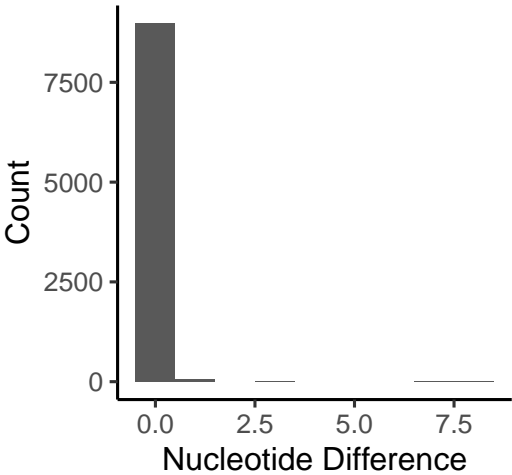
TRBV30*ap01

6196 sequences assigned
5713 (92.2%) exact matches, in which:
5579 unique CDR3
13 unique J



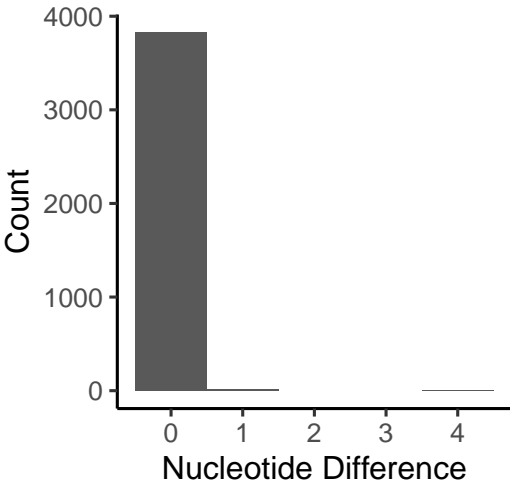
TRBV9*ap01

9039 sequences assigned
8977 (99.3%) exact matches, in which:
8887 unique CDR3
13 unique J



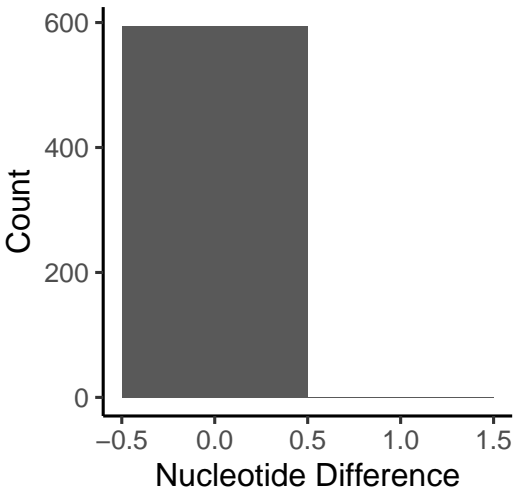
TRBV11-2*ap01

3840 sequences assigned
3827 (99.7%) exact matches, in which:
3809 unique CDR3
13 unique J



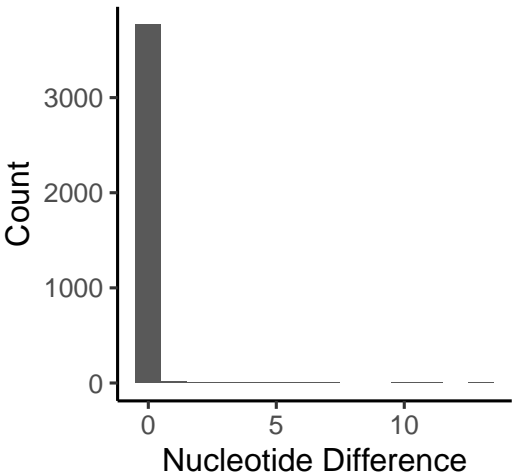
TRBV12-2*ap01

596 sequences assigned
595 (99.8%) exact matches, in which:
588 unique CDR3
13 unique J



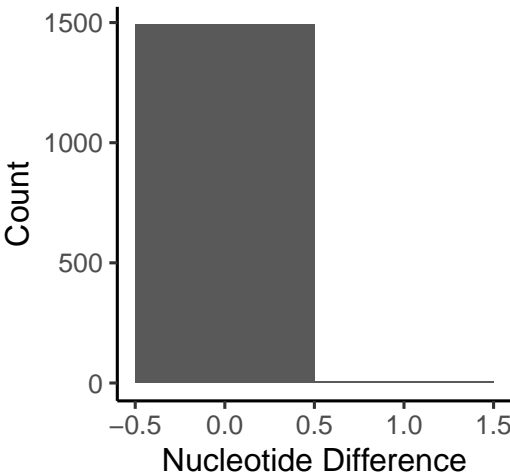
TRBV21-1*ap01

3803 sequences assigned
3766 (99%) exact matches, in which:
3739 unique CDR3
13 unique J



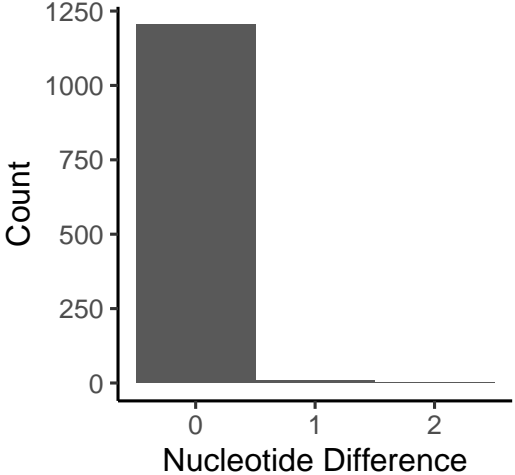
TRBV11-3*ap01

1496 sequences assigned
1491 (99.7%) exact matches, in which:
1485 unique CDR3
13 unique J



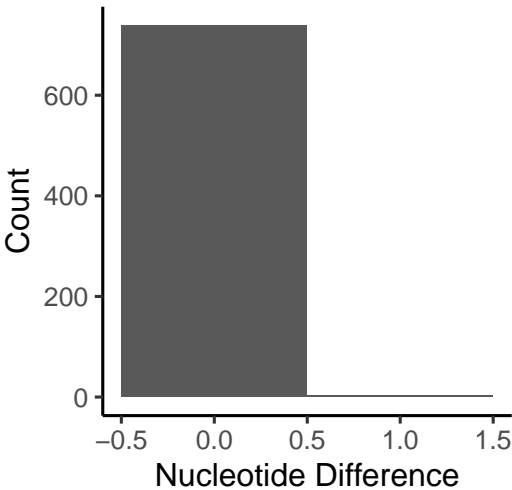
TRBV12-5*ap01

1212 sequences assigned
1204 (99.3%) exact matches, in which:
1193 unique CDR3
13 unique J



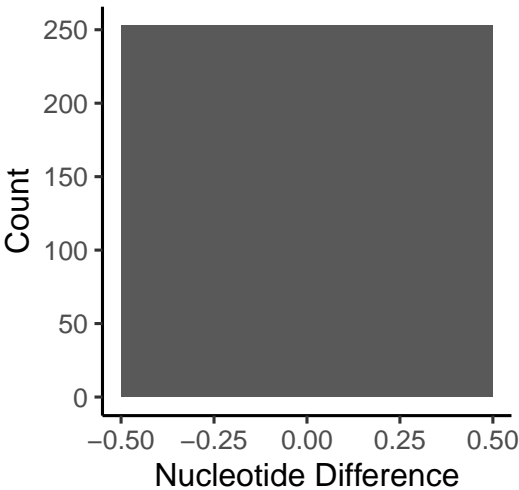
TRBV11-1*ap01

743 sequences assigned
739 (99.5%) exact matches, in which:
735 unique CDR3
13 unique J



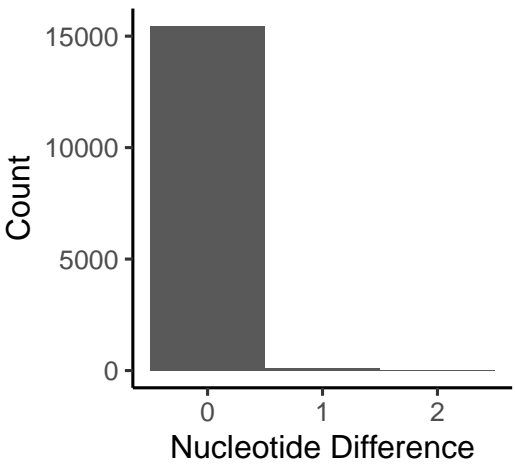
TRBV12-1*ap01

253 sequences assigned
253 (100%) exact matches, in which:
253 unique CDR3
13 unique J



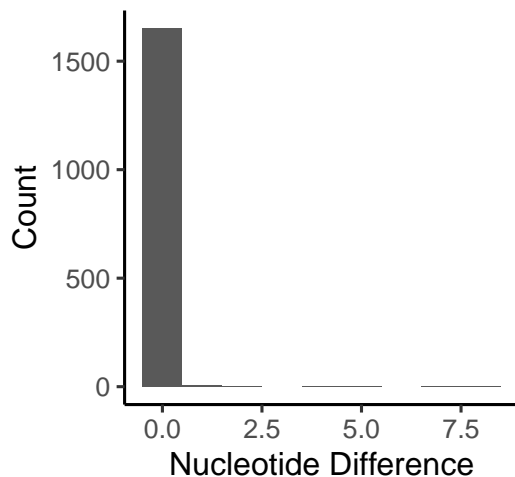
TRBV12-34*ap01

15572 sequences assigned
15464 (99.3%) exact matches, in which:
15279 unique CDR3
13 unique J



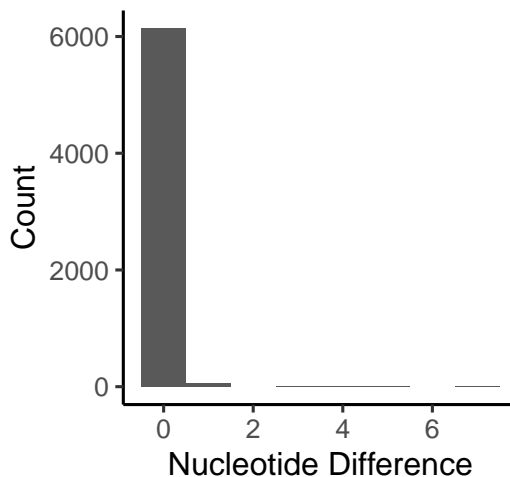
TRBV23-1*ap01

1667 sequences assigned
1651 (99%) exact matches, in which:
1632 unique CDR3
13 unique J



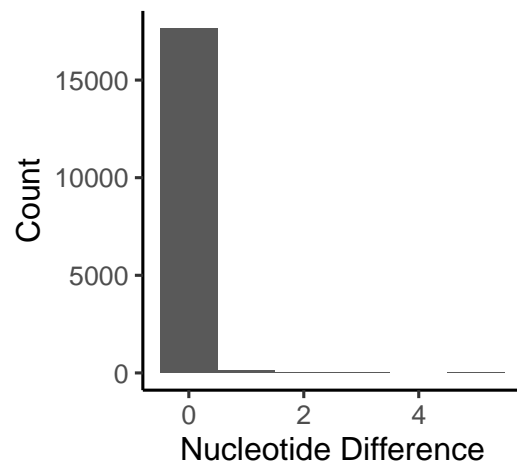
TRBV24-1*ap01

6203 sequences assigned
6139 (99%) exact matches, in which:
6061 unique CDR3
13 unique J



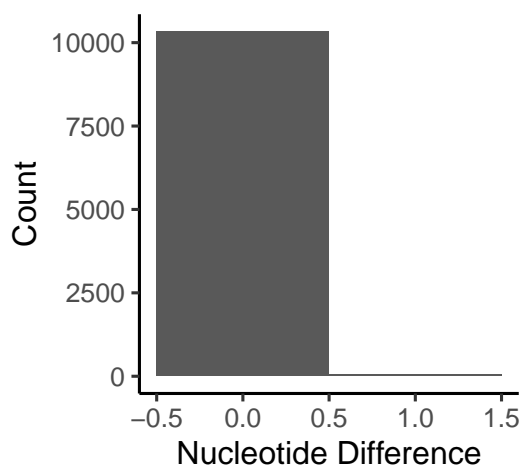
TRBV5-1*ap01

17791 sequences assigned
17659 (99.3%) exact matches, in which:
17310 unique CDR3
13 unique J



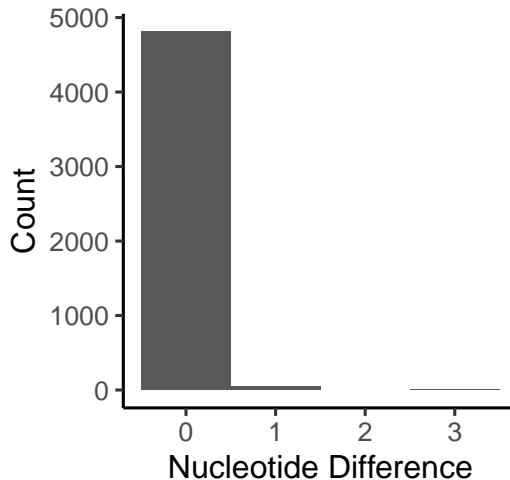
TRBV3-12*ap01

10382 sequences assigned
10335 (99.5%) exact matches, in which:
10247 unique CDR3
13 unique J



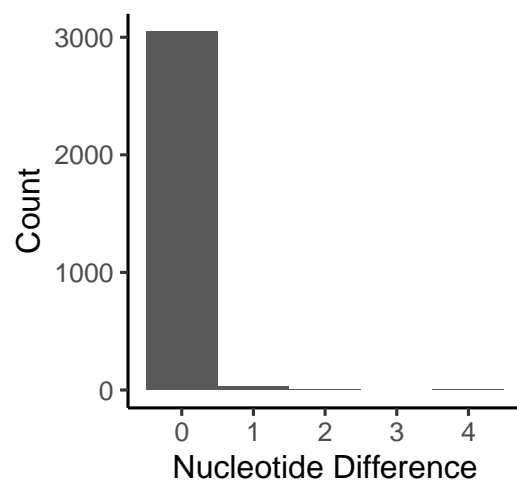
TRBV4-2*ap01

4852 sequences assigned
4810 (99.1%) exact matches, in which:
4723 unique CDR3
13 unique J



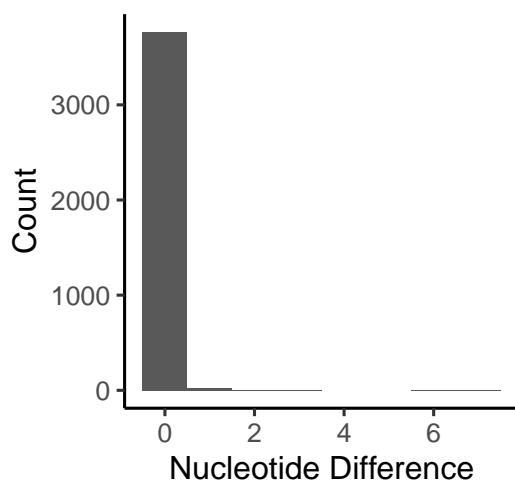
TRBV25-1*ap01

3077 sequences assigned
3047 (99%) exact matches, in which:
2978 unique CDR3
13 unique J



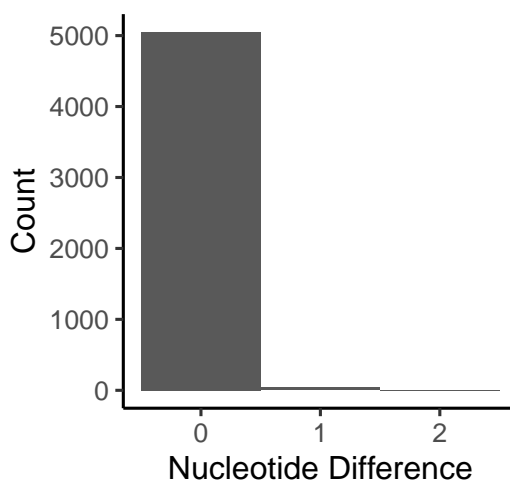
TRBV4-1*ap01

3797 sequences assigned
3765 (99.2%) exact matches, in which:
3699 unique CDR3
13 unique J



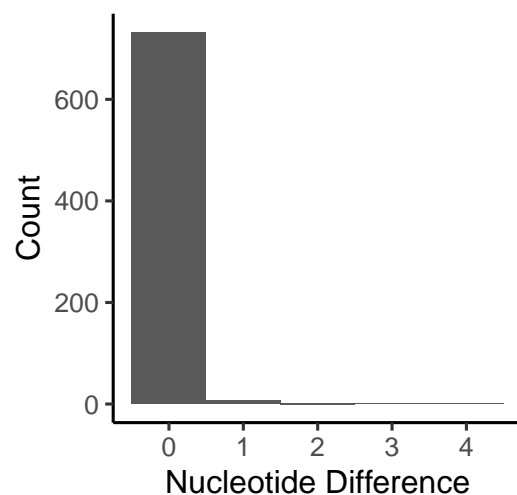
TRBV4-3*ap01

5093 sequences assigned
5050 (99.2%) exact matches, in which:
4981 unique CDR3
13 unique J



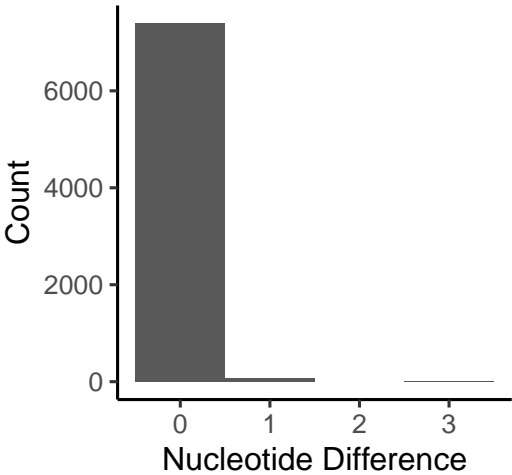
TRBV5-3*ap01

743 sequences assigned
732 (98.5%) exact matches, in which:
725 unique CDR3
13 unique J



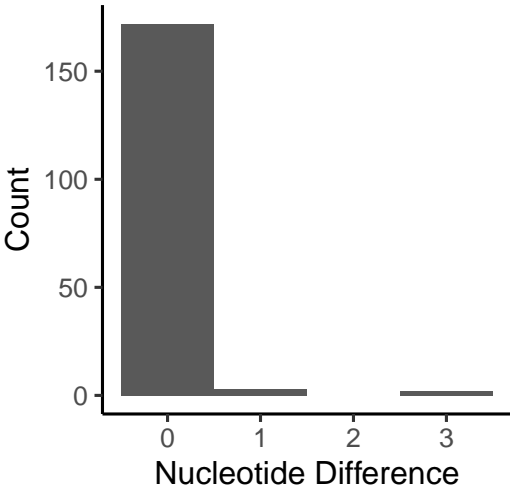
TRBV5-4*ap01

7459 sequences assigned
7391 (99.1%) exact matches, in which:
7278 unique CDR3
13 unique J



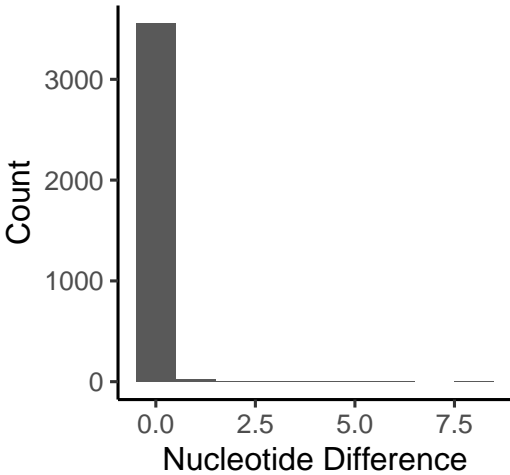
TRBV5-7*ap01

177 sequences assigned
172 (97.2%) exact matches, in which:
167 unique CDR3
13 unique J



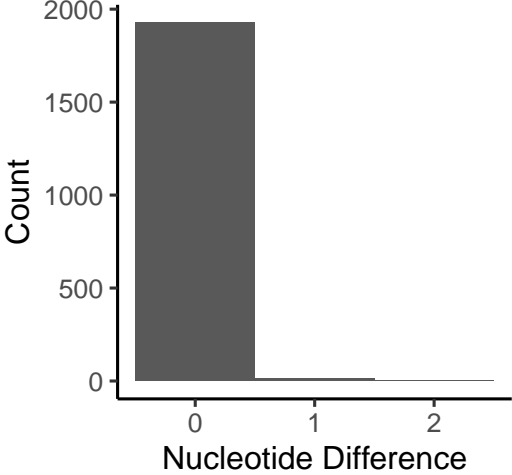
TRBV6-4*ap01

3602 sequences assigned
3555 (98.7%) exact matches, in which:
3517 unique CDR3
13 unique J



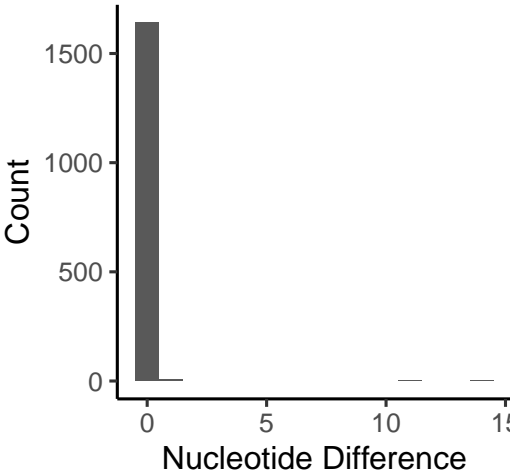
TRBV5-5*ap01

1943 sequences assigned
1927 (99.2%) exact matches, in which:
1913 unique CDR3
13 unique J



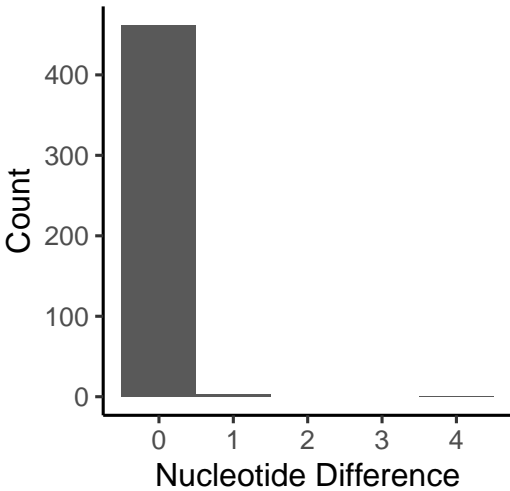
TRBV5-8*ap01

1651 sequences assigned
1641 (99.4%) exact matches, in which:
1625 unique CDR3
13 unique J



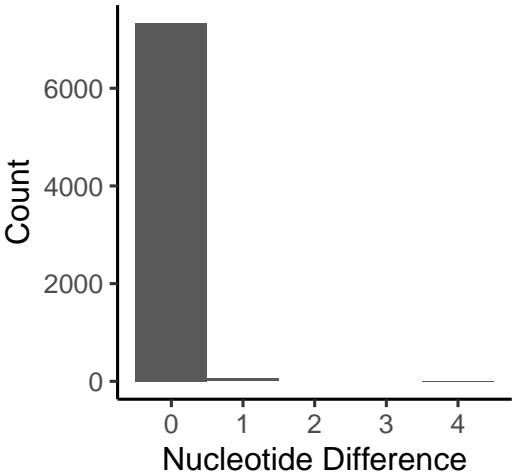
TRBV6-7*ap01

466 sequences assigned
462 (99.1%) exact matches, in which:
460 unique CDR3
13 unique J



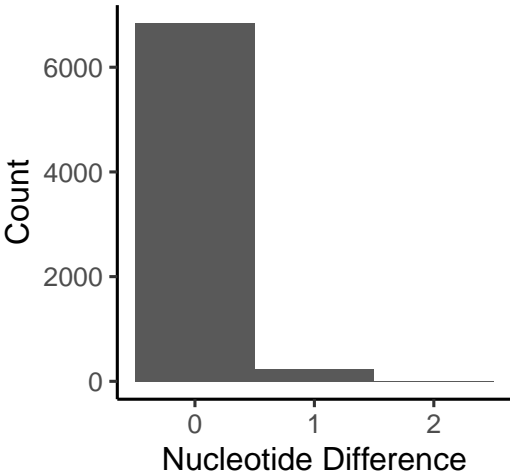
TRBV5-6*ap01

7395 sequences assigned
7335 (99.2%) exact matches, in which:
7158 unique CDR3
13 unique J



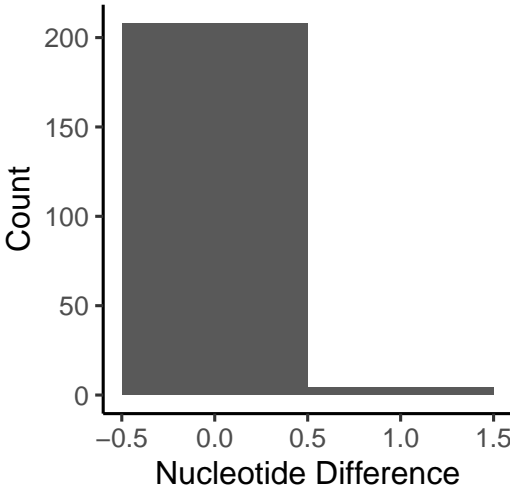
TRBV6-1*ap01

7084 sequences assigned
6844 (96.6%) exact matches, in which:
6754 unique CDR3
13 unique J



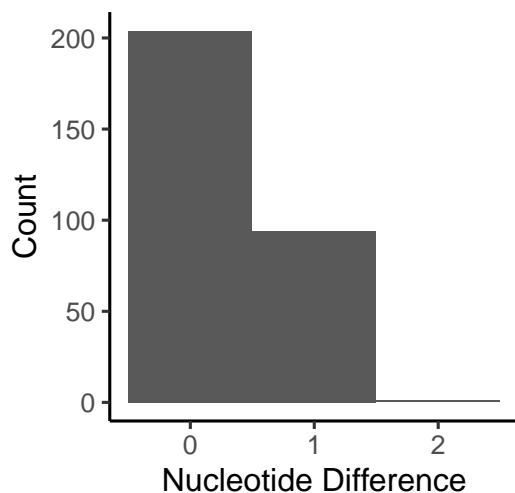
TRBV6-8*ap01

212 sequences assigned
208 (98.1%) exact matches, in which:
203 unique CDR3
13 unique J



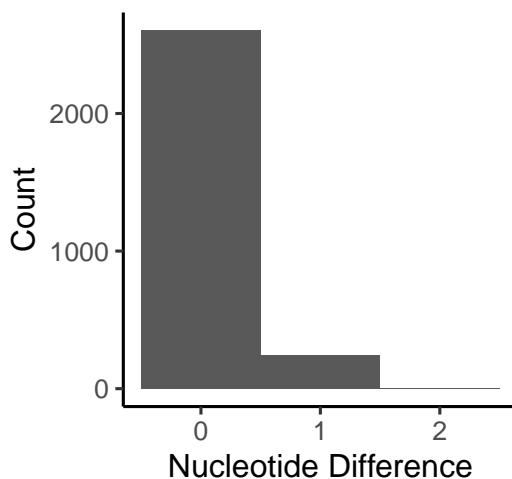
TRBV6-9*ap01

299 sequences assigned
204 (68.2%) exact matches, in which:
199 unique CDR3
13 unique J



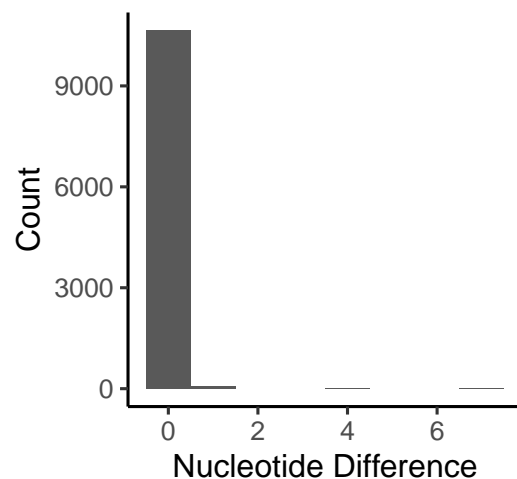
TRBV6-56*ap02

2853 sequences assigned
2604 (91.3%) exact matches, in which:
2548 unique CDR3
13 unique J



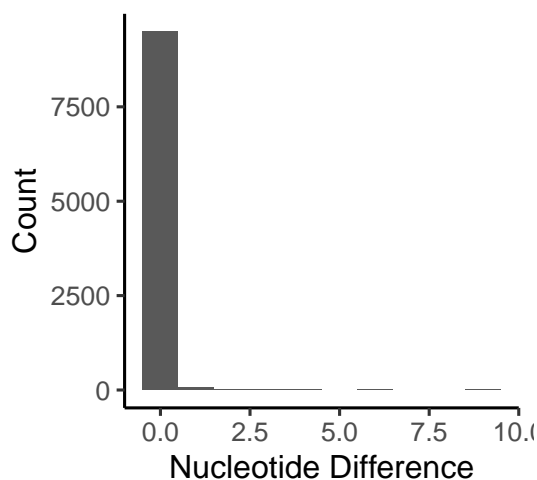
TRBV7-2*ap01

10719 sequences assigned
10650 (99.4%) exact matches, in which:
10551 unique CDR3
13 unique J



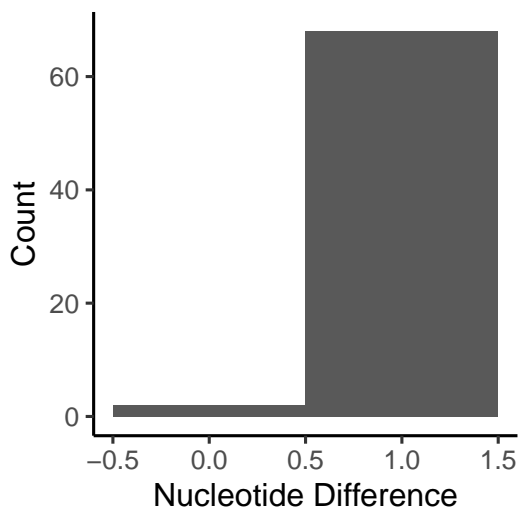
TRBV6-23*ap01

9562 sequences assigned
9489 (99.2%) exact matches, in which:
9314 unique CDR3
13 unique J



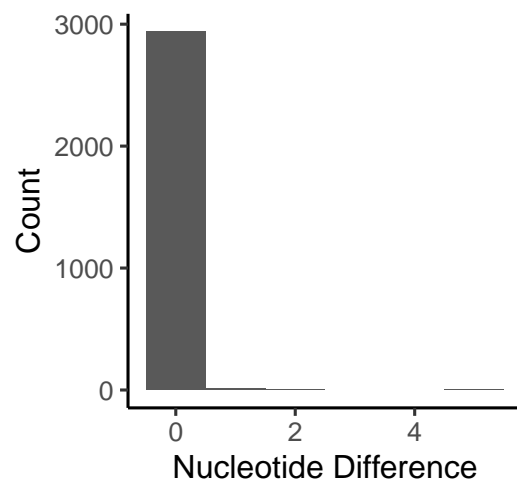
TRBV7-1*ap01_T296C

70 sequences assigned
2 (2.9%) exact matches, in which:
2 unique CDR3
2 unique J



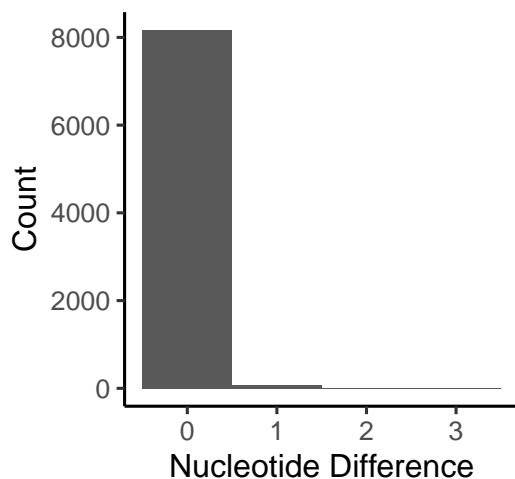
TRBV7-3*ap01

2956 sequences assigned
2938 (99.4%) exact matches, in which:
2913 unique CDR3
13 unique J



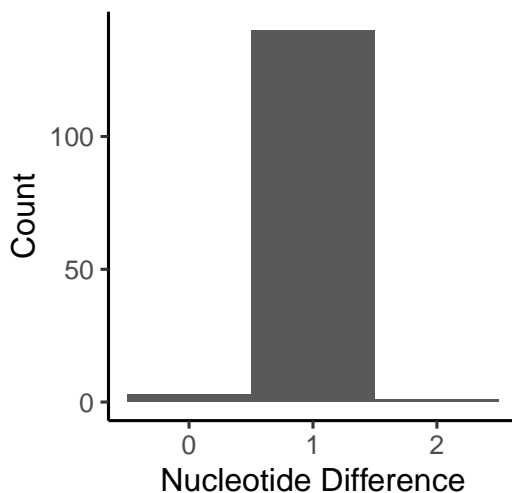
TRBV6-56*ap01

8244 sequences assigned
8168 (99.1%) exact matches, in which:
8036 unique CDR3
13 unique J



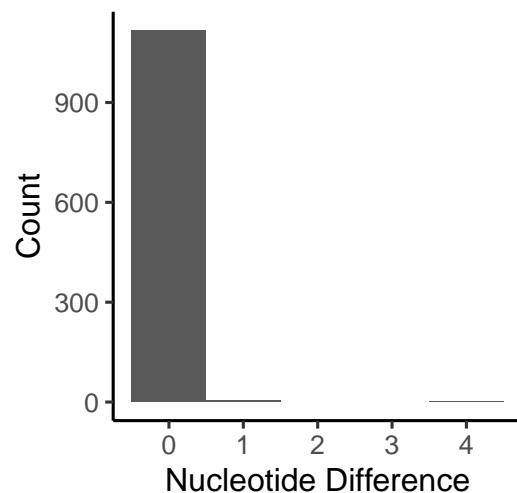
TRBV7-1*ap01_T296C_C

144 sequences assigned
3 (2.1%) exact matches, in which:
3 unique CDR3
3 unique J



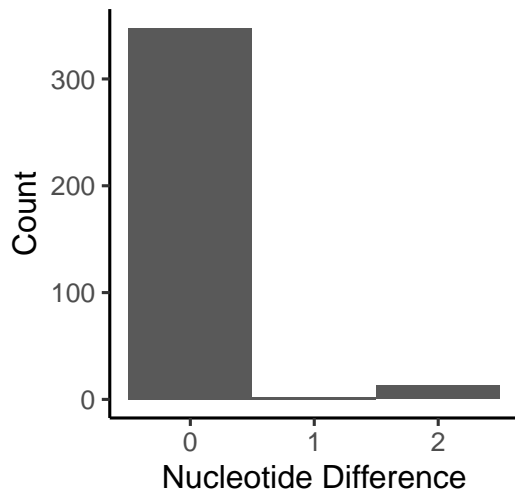
TRBV7-3*ap03

1125 sequences assigned
1117 (99.3%) exact matches, in which:
1107 unique CDR3
13 unique J



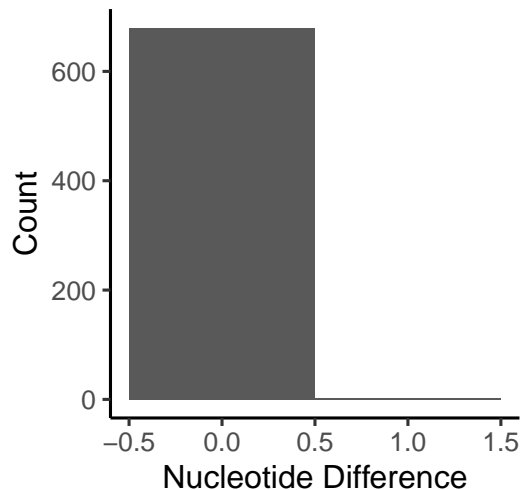
TRBV7-4*ap01

363 sequences assigned
348 (95.9%) exact matches, in which:
345 unique CDR3
13 unique J



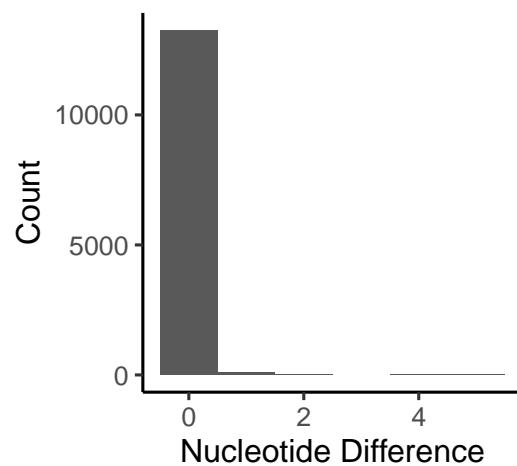
TRBV7-7*ap01_C315T

683 sequences assigned
680 (99.6%) exact matches, in which:
675 unique CDR3
13 unique J



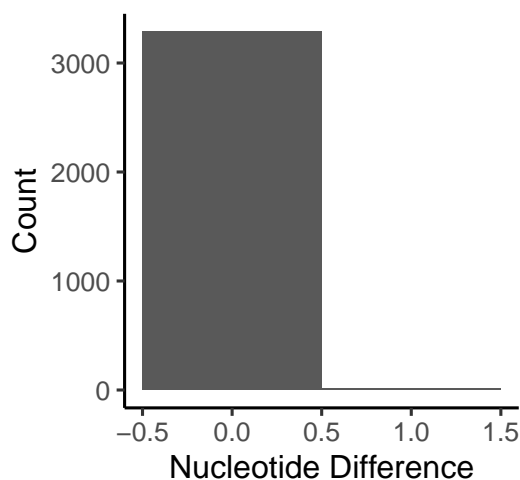
TRBV7-9*ap01

13346 sequences assigned
13260 (99.4%) exact matches, in which:
13094 unique CDR3
13 unique J



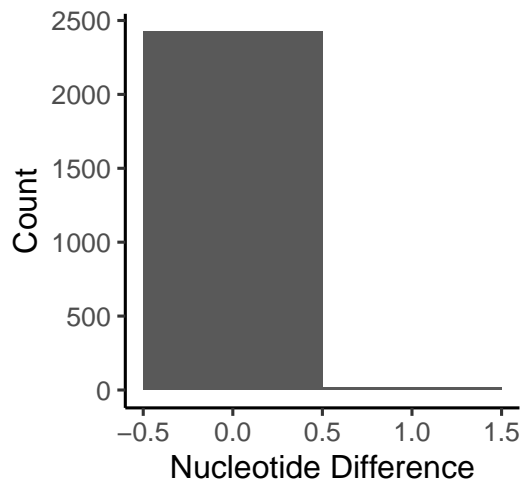
TRBV7-6*ap01

3303 sequences assigned
3287 (99.5%) exact matches, in which:
3232 unique CDR3
13 unique J



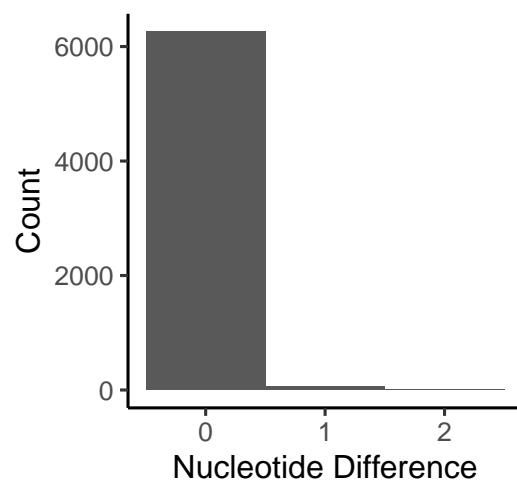
TRBV7-8*ap01

2438 sequences assigned
2424 (99.4%) exact matches, in which:
2399 unique CDR3
13 unique J



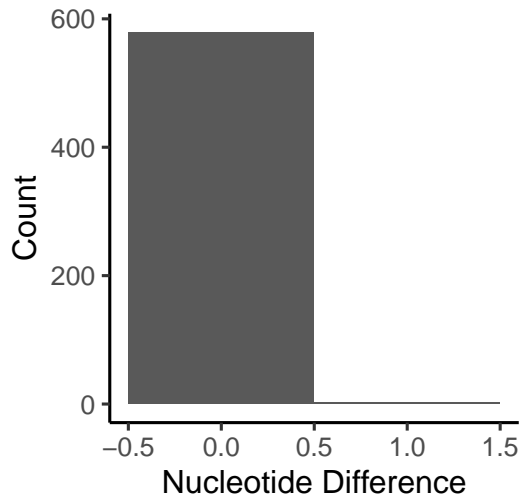
TRBV29-1*ap01

6326 sequences assigned
6259 (98.9%) exact matches, in which:
6090 unique CDR3
13 unique J



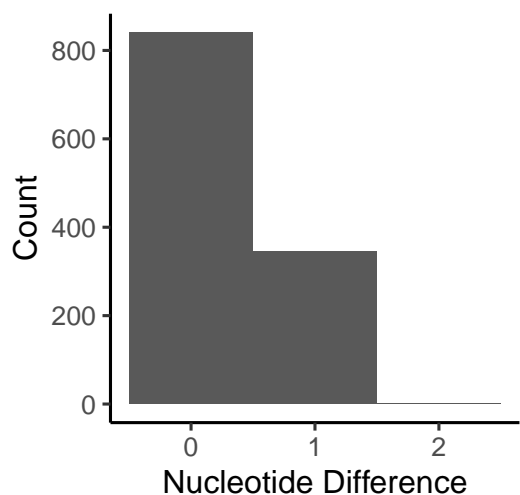
TRBV7-7*ap01

582 sequences assigned
579 (99.5%) exact matches, in which:
574 unique CDR3
13 unique J



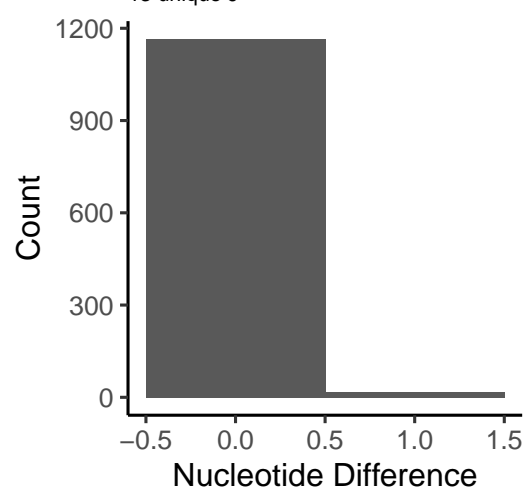
TRBV7-8*ap03

1189 sequences assigned
841 (70.7%) exact matches, in which:
834 unique CDR3
13 unique J

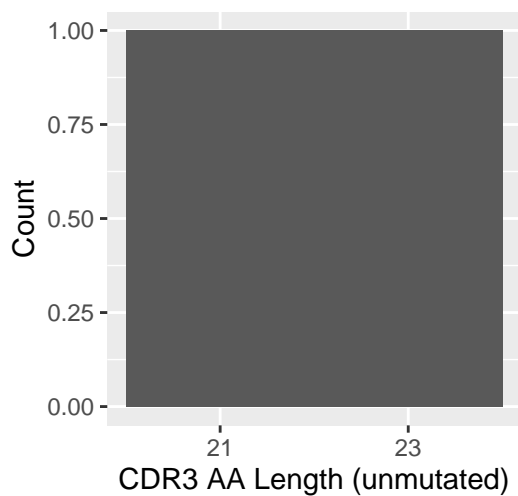


TRBV29-1*ap02

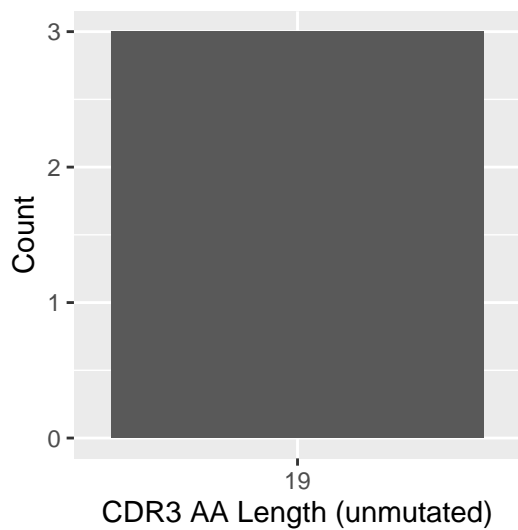
1183 sequences assigned
1165 (98.5%) exact matches, in which:
1143 unique CDR3
13 unique J



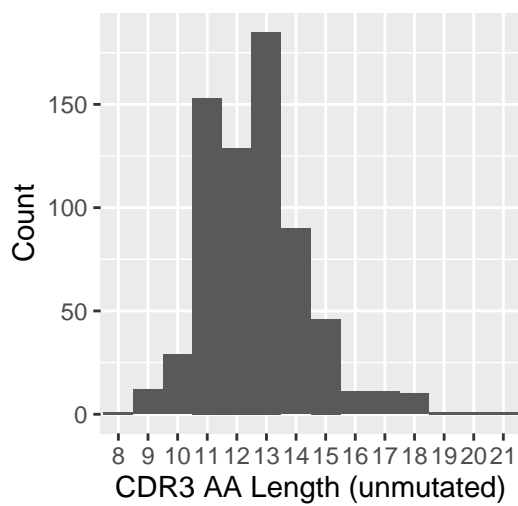
TRBV7-1*ap01_T296C



TRBV7-1*ap01_T296C_C314T



TRBV7-7*ap01_C315T





[illegible]