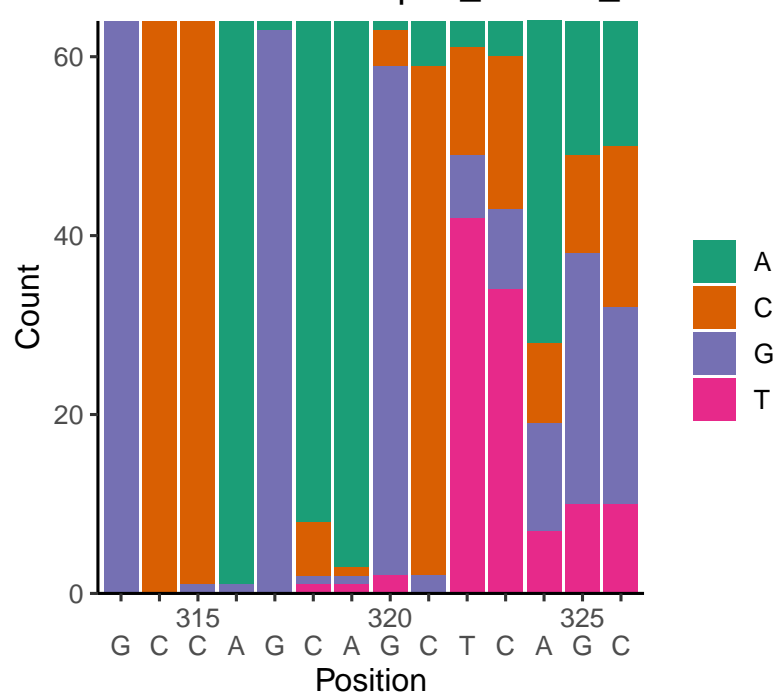
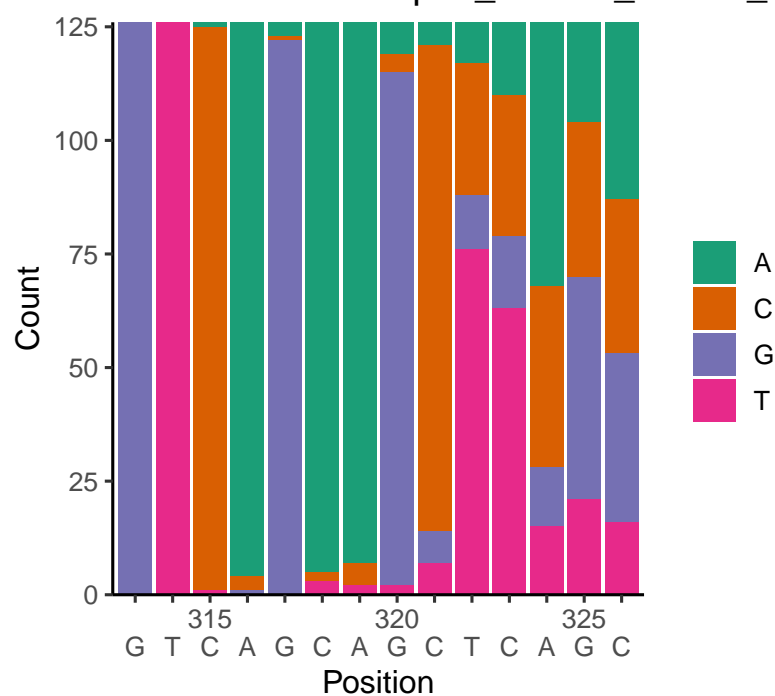


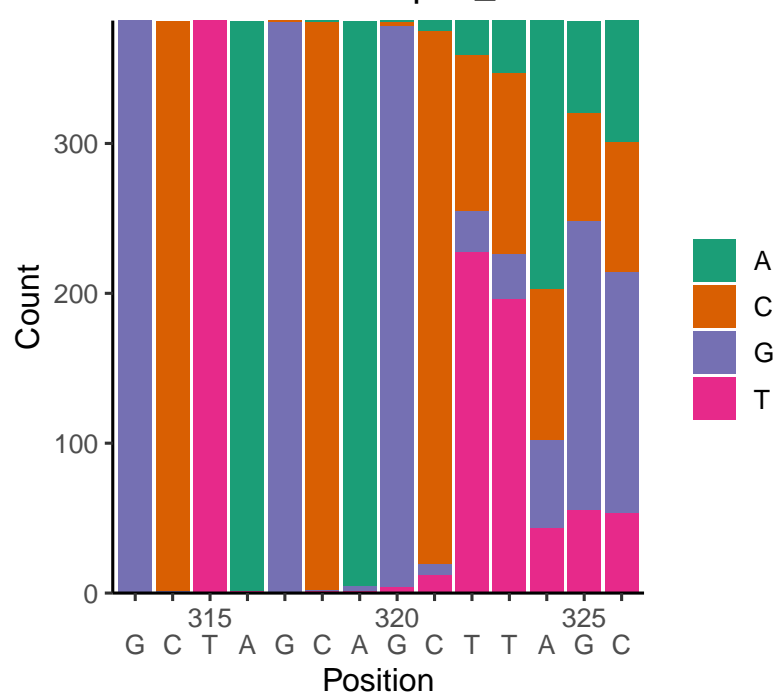
Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-1*ap01_G291C_T296C_C314T



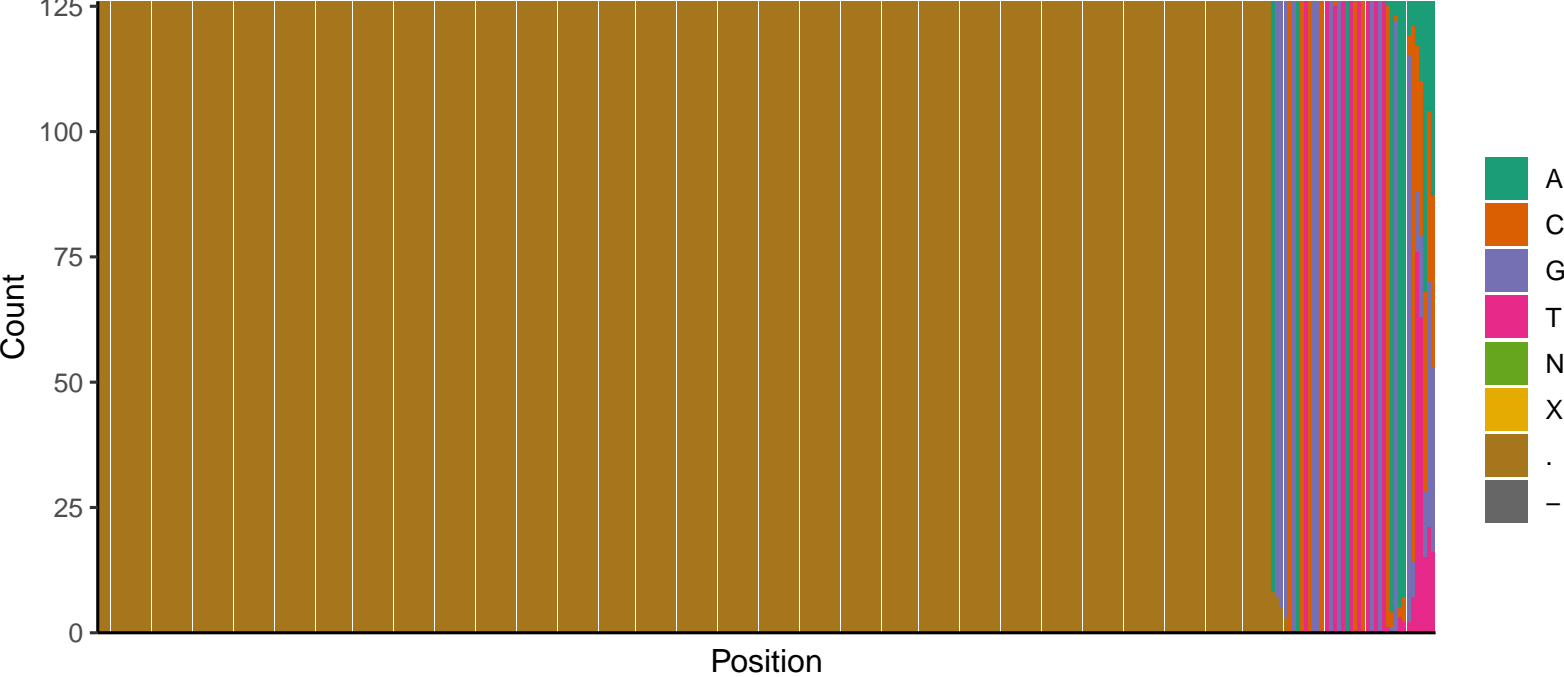
Gene TRBV7-7*ap01_C315T



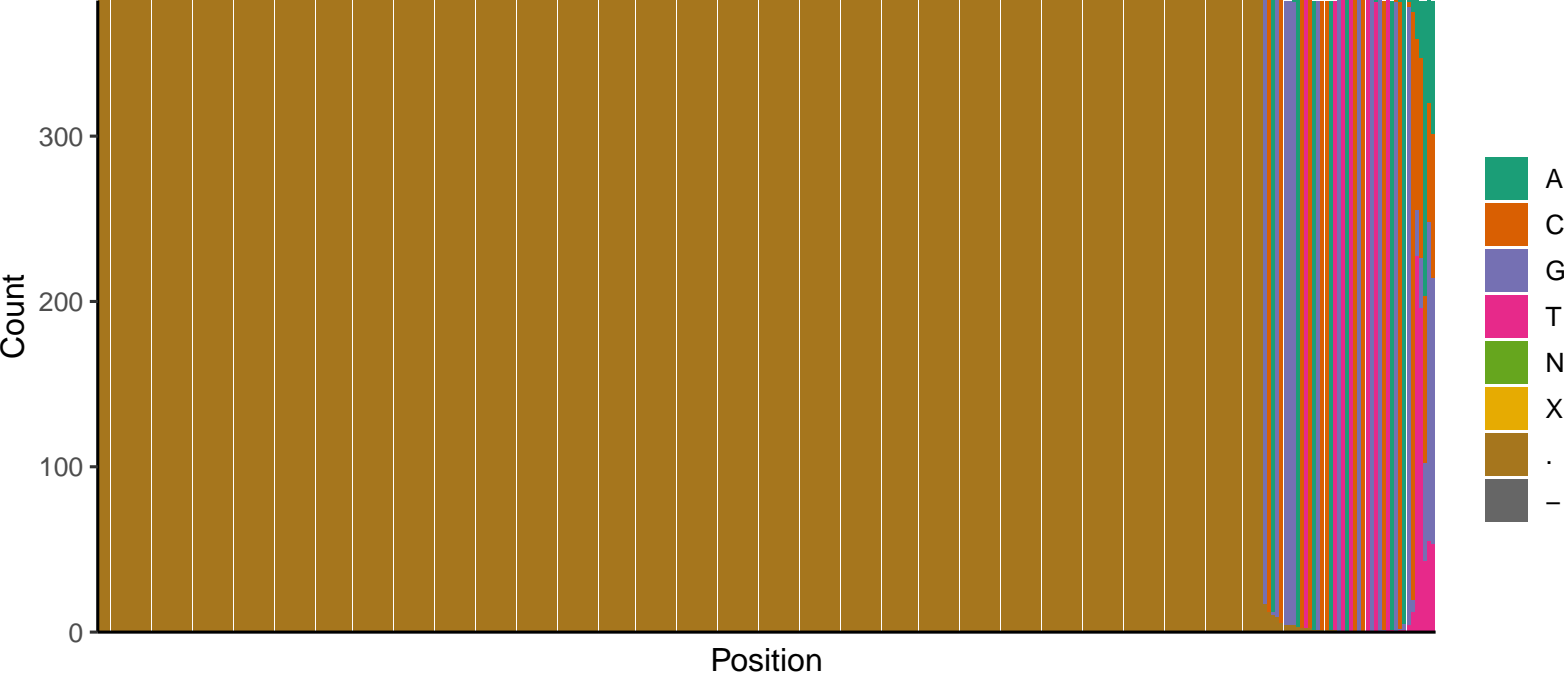
Gene TRBV7-1*ap01_G291C_T296C



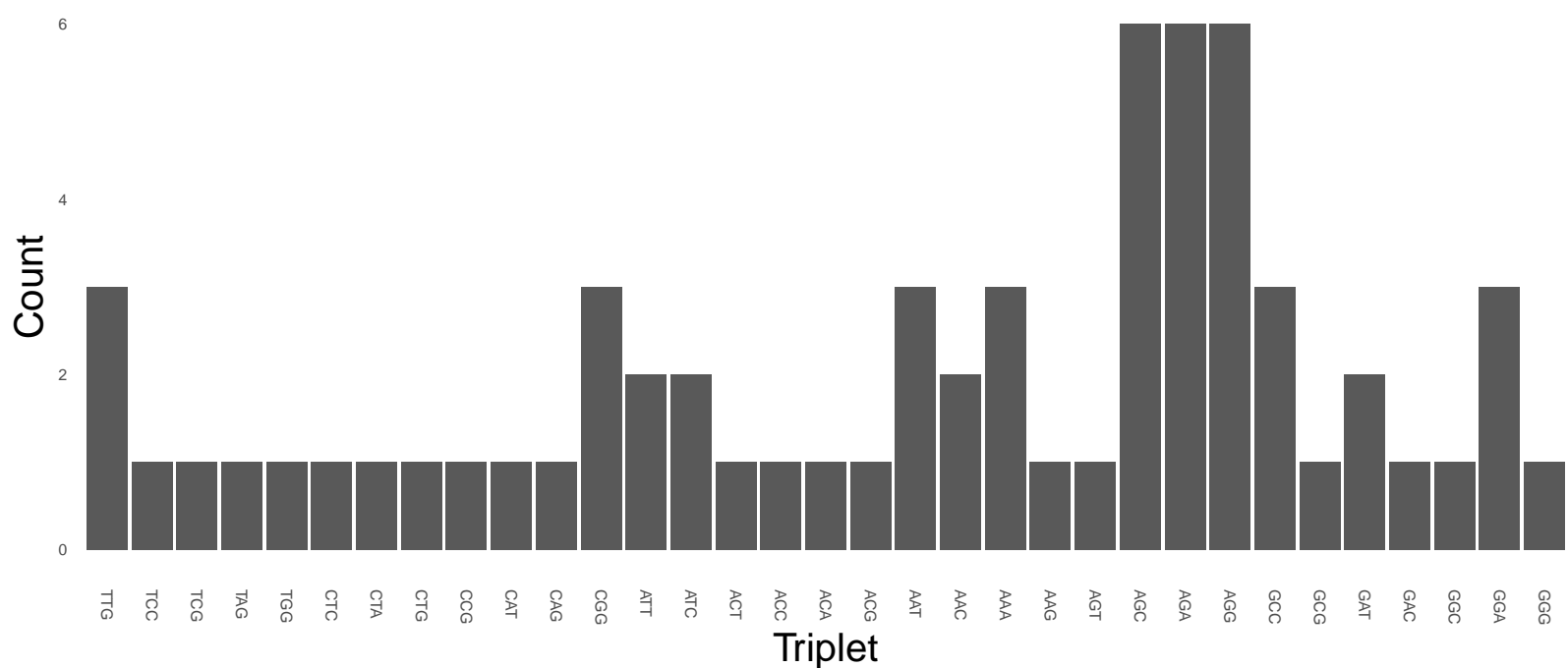
Gene TRBV7-1*ap01_G291C_T296C_C314T



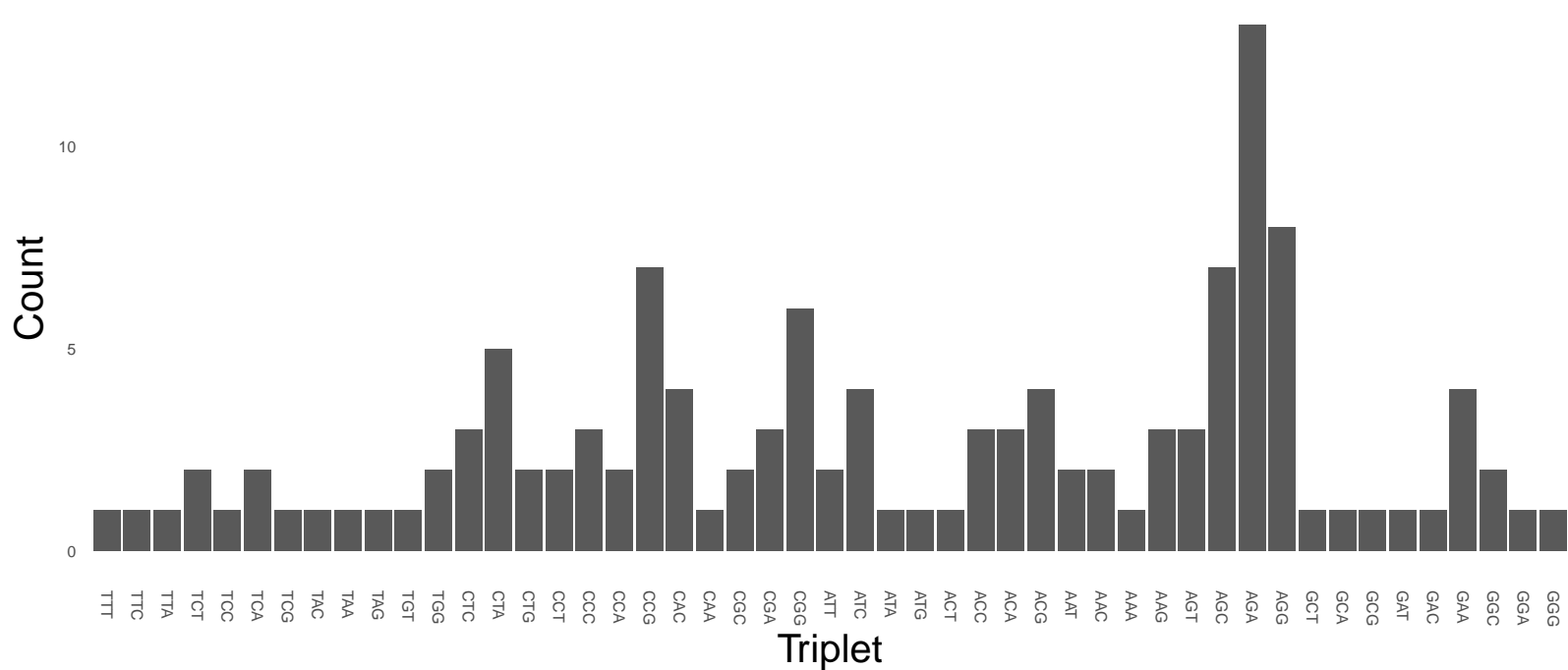
Gene TRBV7-7*ap01_C315T



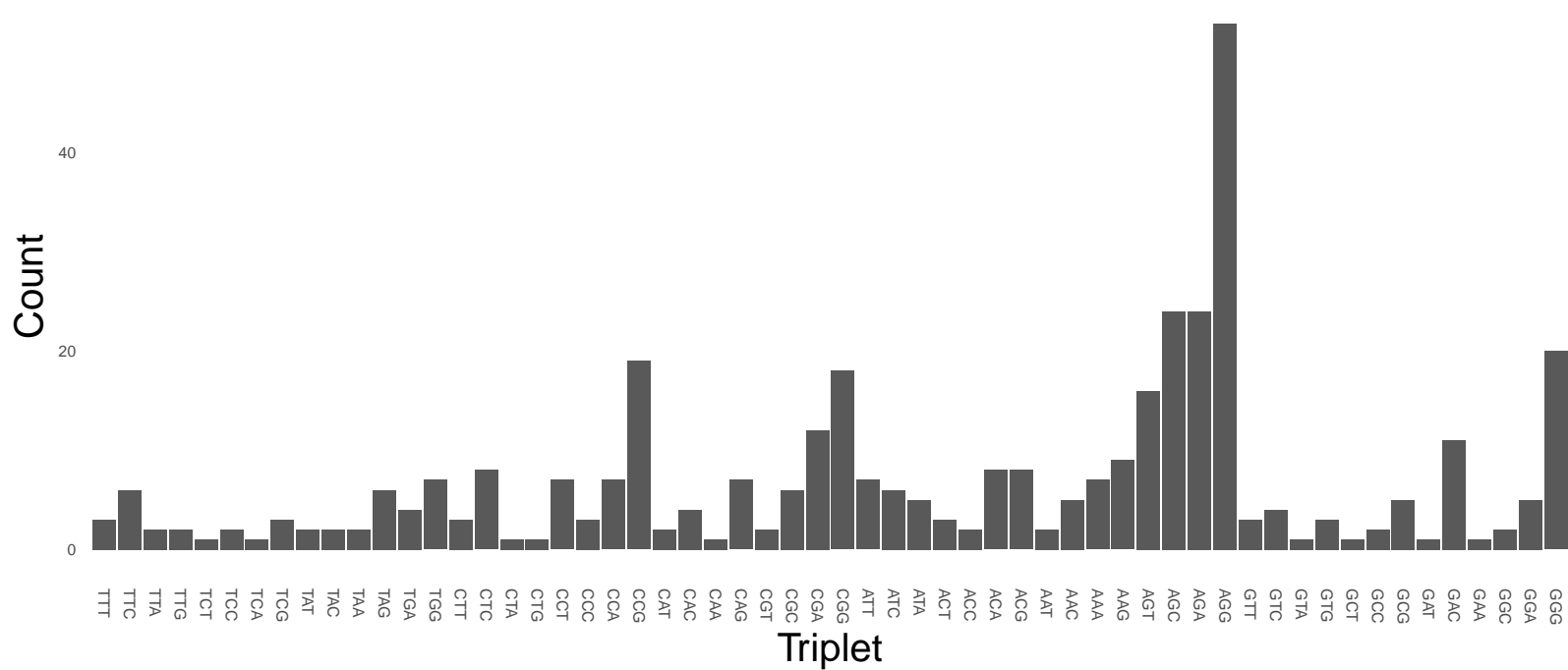
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



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

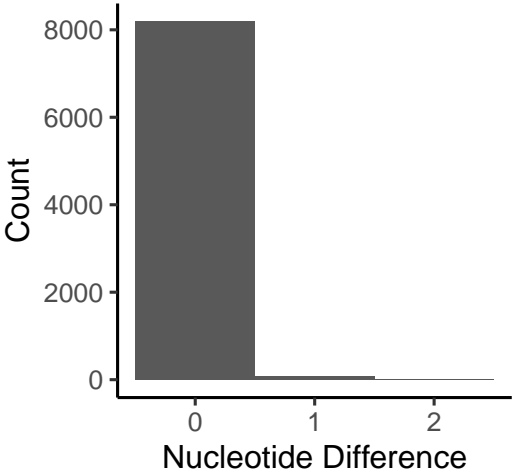


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



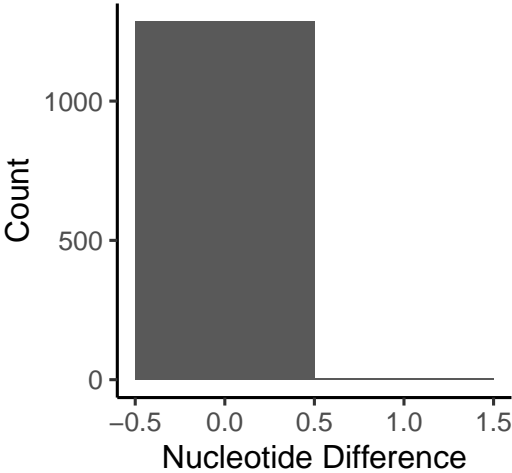
TRBV20-1*ap01

8280 sequences assigned
8192 (98.9%) exact matches, in which:
8047 unique CDR3
13 unique J



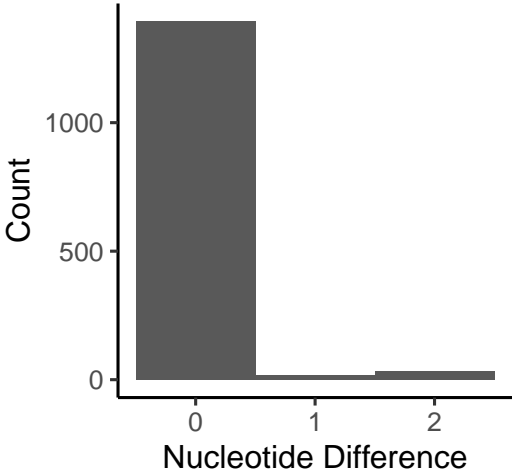
TRBV10-2*ap01

1293 sequences assigned
1286 (99.5%) exact matches, in which:
1247 unique CDR3
13 unique J



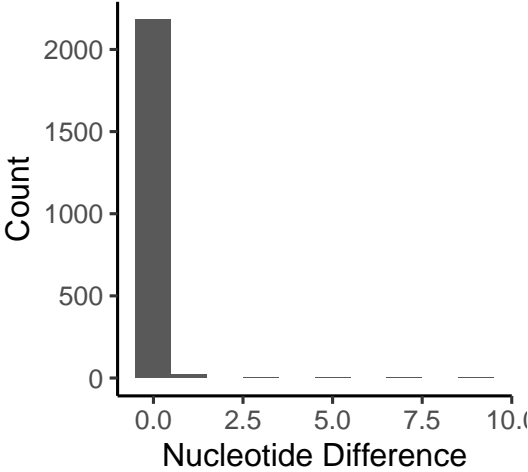
TRBV13*ap01

1445 sequences assigned
1394 (96.5%) exact matches, in which:
1359 unique CDR3
13 unique J



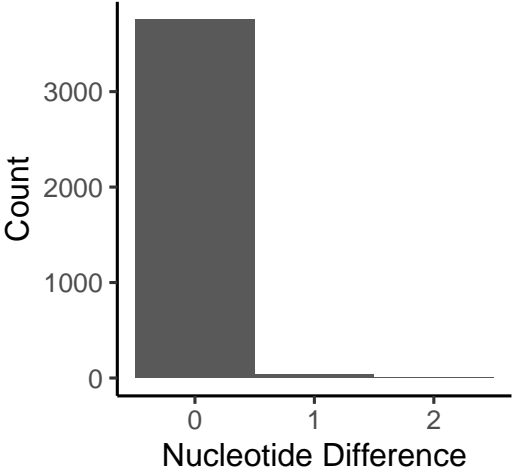
TRBV10-1*ap01

2208 sequences assigned
2181 (98.8%) exact matches, in which:
2123 unique CDR3
13 unique J



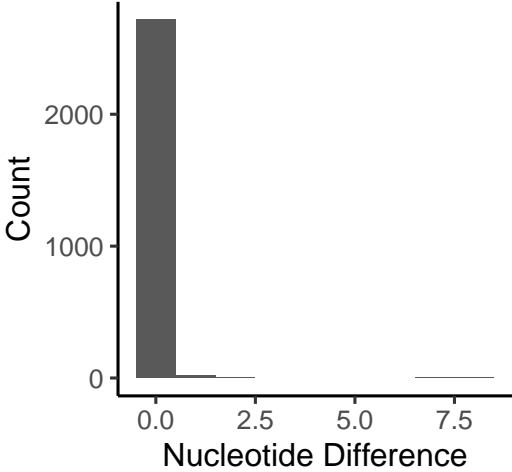
TRBV10-3*ap01

3797 sequences assigned
3753 (98.8%) exact matches, in which:
3670 unique CDR3
13 unique J



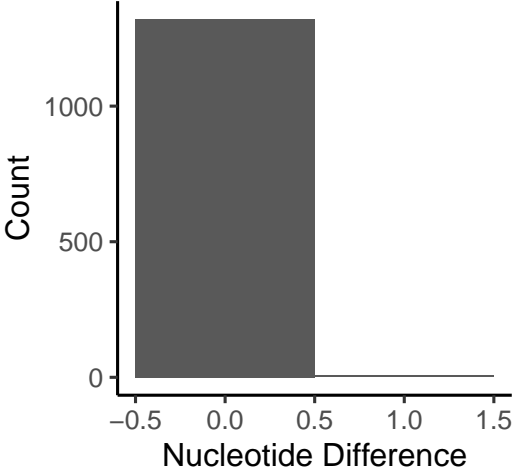
TRBV14*ap01

2743 sequences assigned
2717 (99.1%) exact matches, in which:
2680 unique CDR3
13 unique J



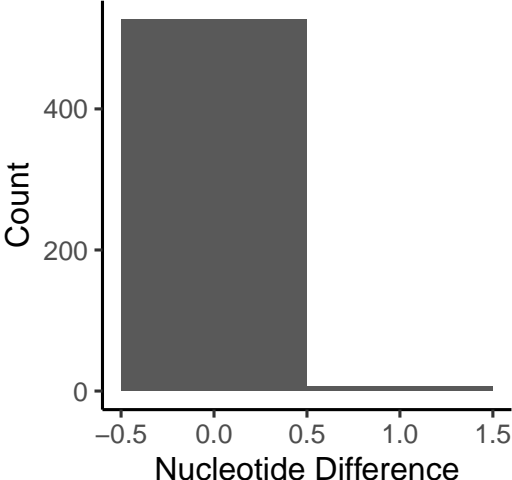
TRBV20-1*ap02

1328 sequences assigned
1321 (99.5%) exact matches, in which:
1298 unique CDR3
13 unique J



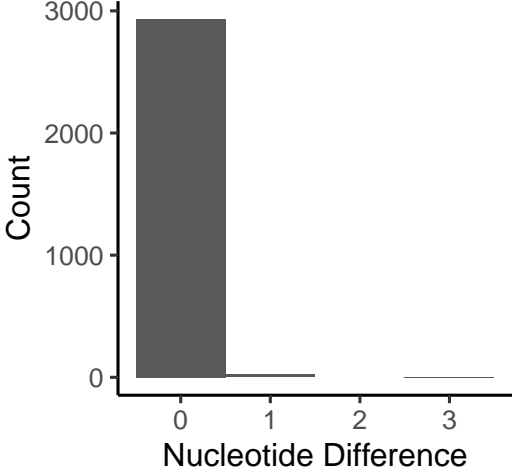
TRBV1*ap01

533 sequences assigned
527 (98.9%) exact matches, in which:
511 unique CDR3
13 unique J



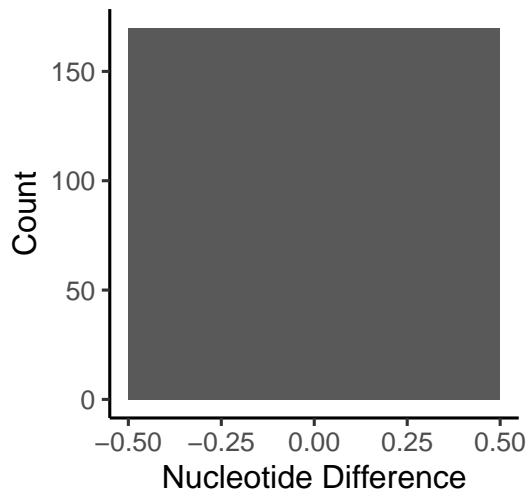
TRBV15*ap02

2958 sequences assigned
2933 (99.2%) exact matches, in which:
2850 unique CDR3
13 unique J



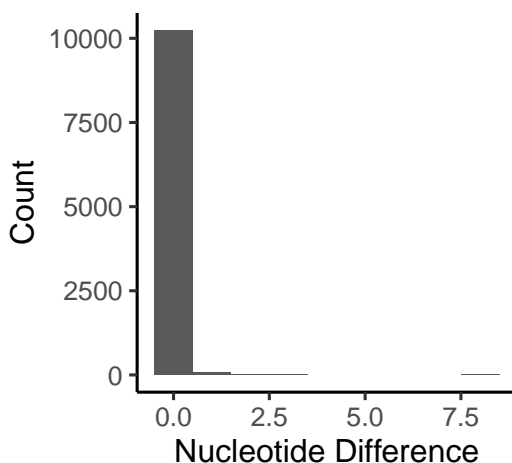
TRBV16*ap01

170 sequences assigned
170 (100%) exact matches, in which:
169 unique CDR3
13 unique J



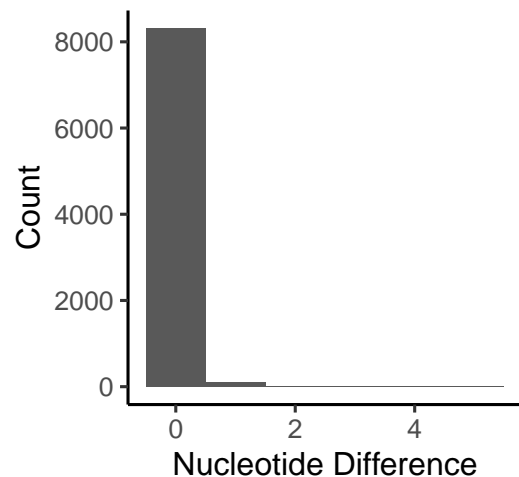
TRBV2*ap01

10336 sequences assigned
10243 (99.1%) exact matches, in which:
10036 unique CDR3
13 unique J



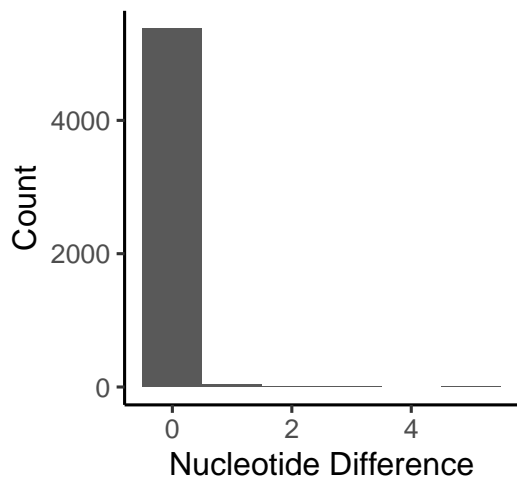
TRBV30*ap01

8431 sequences assigned
8311 (98.6%) exact matches, in which:
8168 unique CDR3
13 unique J



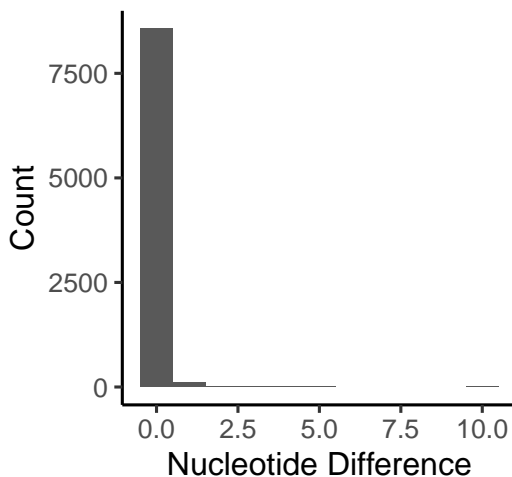
TRBV18*ap01

5411 sequences assigned
5375 (99.3%) exact matches, in which:
5303 unique CDR3
13 unique J



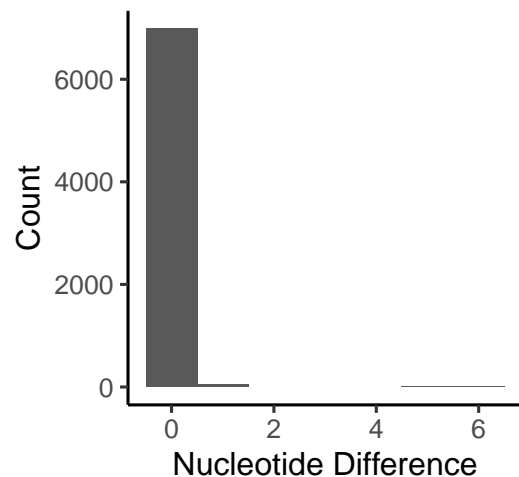
TRBV27*ap01

8677 sequences assigned
8567 (98.7%) exact matches, in which:
8353 unique CDR3
13 unique J



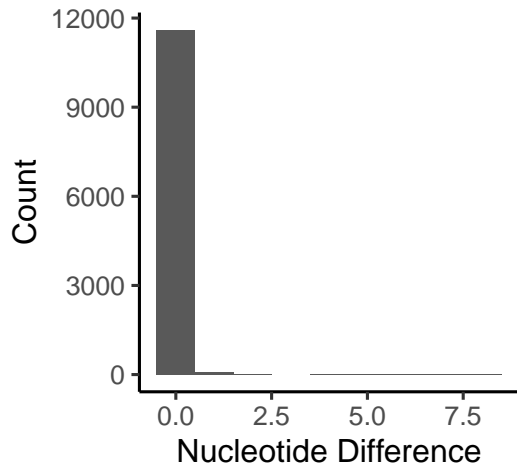
TRBV9*ap01

7046 sequences assigned
6985 (99.1%) exact matches, in which:
6861 unique CDR3
13 unique J



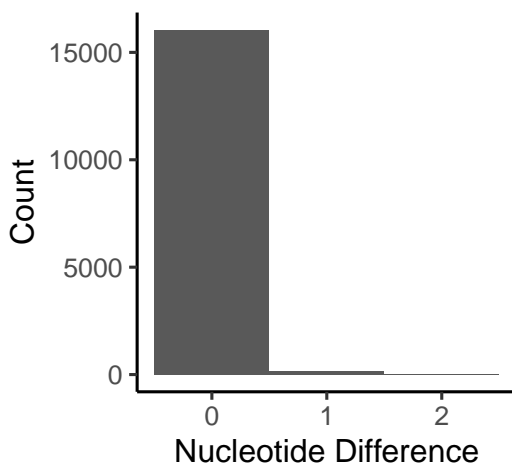
TRBV19*ap01

11716 sequences assigned
11605 (99.1%) exact matches, in which:
11477 unique CDR3
13 unique J



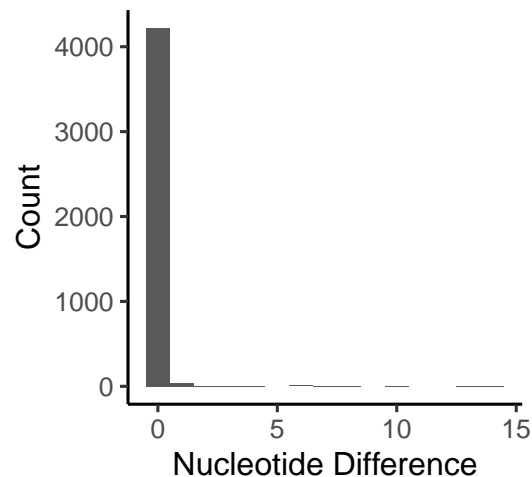
TRBV28*ap01

16204 sequences assigned
16052 (99.1%) exact matches, in which:
15770 unique CDR3
13 unique J



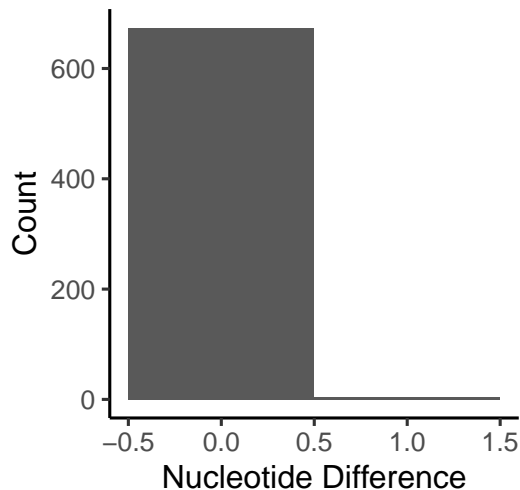
TRBV21-1*ap01

4288 sequences assigned
4220 (98.4%) exact matches, in which:
4144 unique CDR3
14 unique J



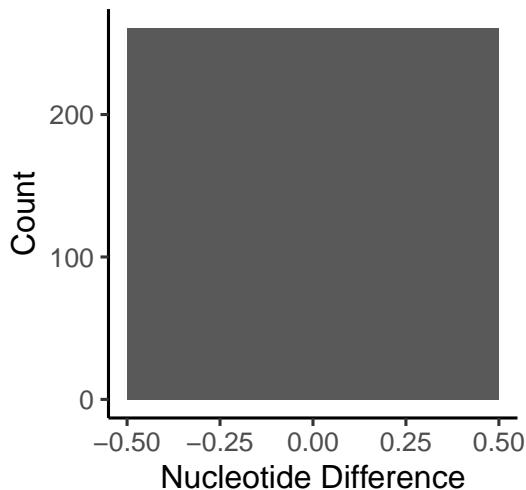
TRBV11-1*ap01

679 sequences assigned
674 (99.3%) exact matches, in which:
660 unique CDR3
13 unique J



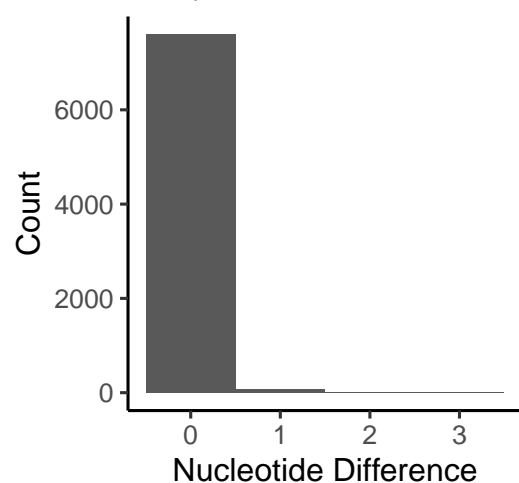
TRBV12-1*ap01

261 sequences assigned
261 (100%) exact matches, in which:
253 unique CDR3
13 unique J



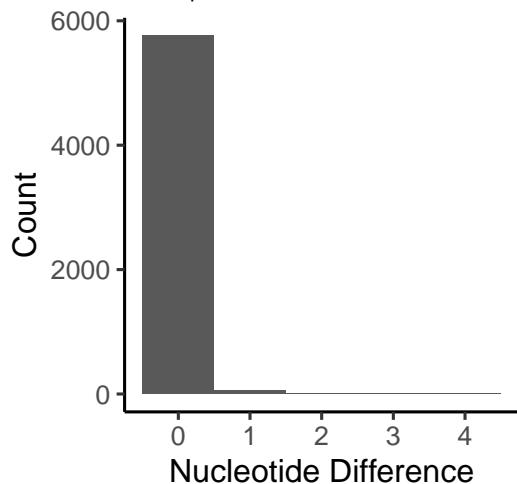
TRBV12-34*ap01

7686 sequences assigned
7600 (98.9%) exact matches, in which:
7435 unique CDR3
13 unique J



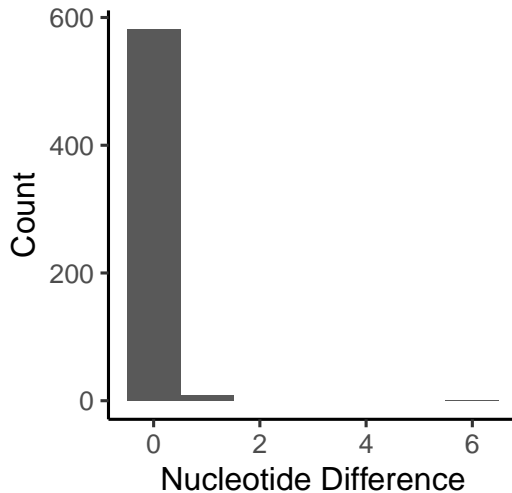
TRBV11-2*ap01

5821 sequences assigned
5760 (99%) exact matches, in which:
5644 unique CDR3
13 unique J



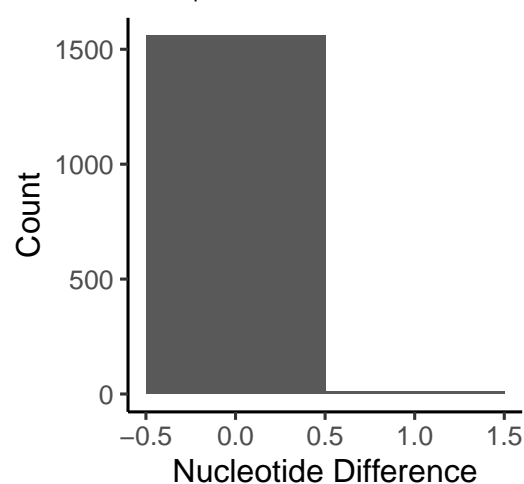
TRBV12-2*ap01

592 sequences assigned
582 (98.3%) exact matches, in which:
568 unique CDR3
13 unique J



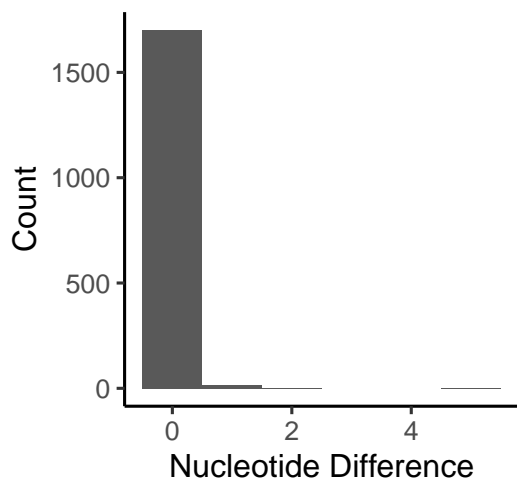
TRBV23-1*ap01

1572 sequences assigned
1559 (99.2%) exact matches, in which:
1532 unique CDR3
13 unique J



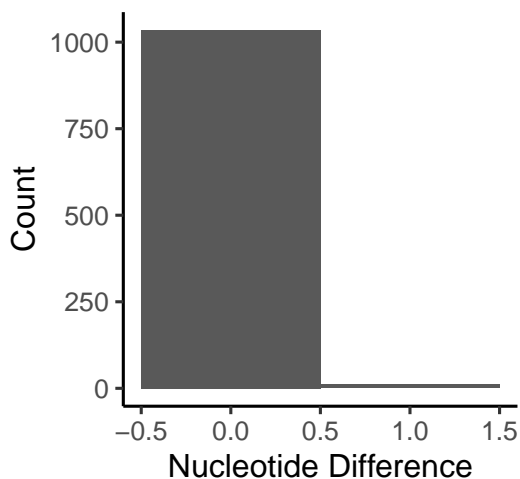
TRBV11-3*ap01

1718 sequences assigned
1701 (99%) exact matches, in which:
1676 unique CDR3
13 unique J



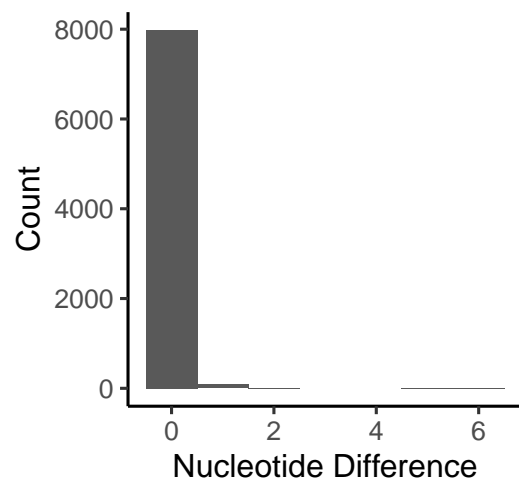
TRBV12-5*ap01

1046 sequences assigned
1035 (98.9%) exact matches, in which:
1019 unique CDR3
13 unique J



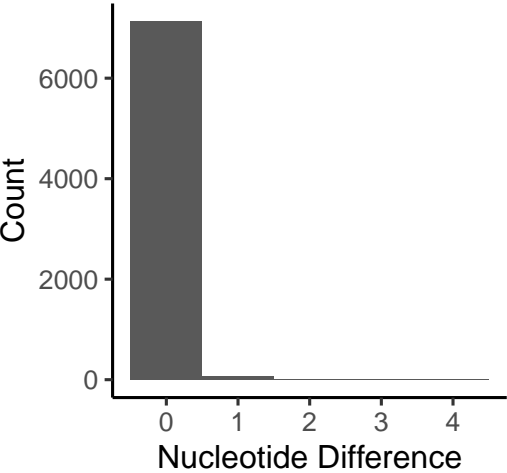
TRBV3-12*ap01

8067 sequences assigned
7981 (98.9%) exact matches, in which:
7801 unique CDR3
13 unique J



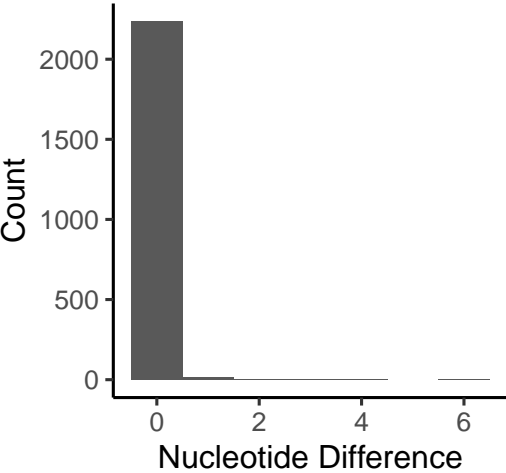
TRBV4-1*ap01

7205 sequences assigned
7130 (99%) exact matches, in which:
6947 unique CDR3
14 unique J



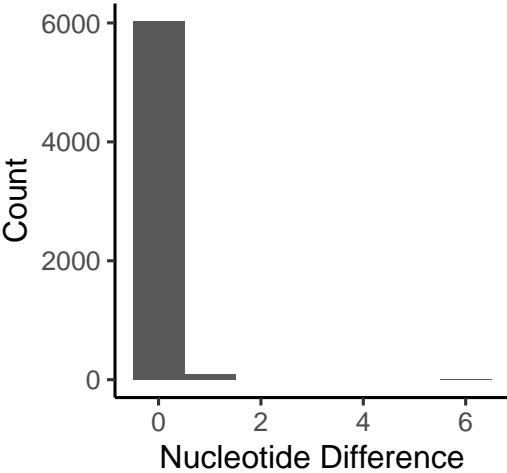
TRBV25-1*ap01

2258 sequences assigned
2236 (99%) exact matches, in which:
2199 unique CDR3
13 unique J



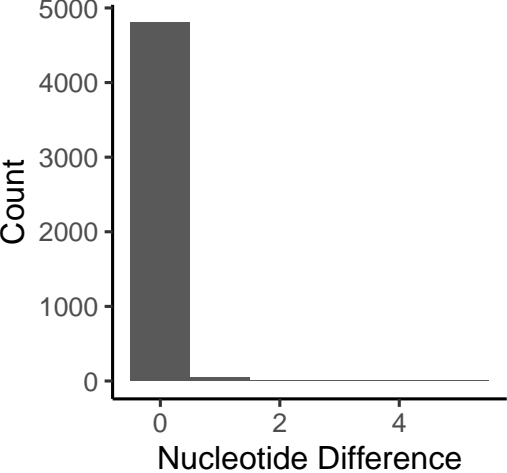
TRBV5-4*ap01

6113 sequences assigned
6026 (98.6%) exact matches, in which:
5889 unique CDR3
13 unique J



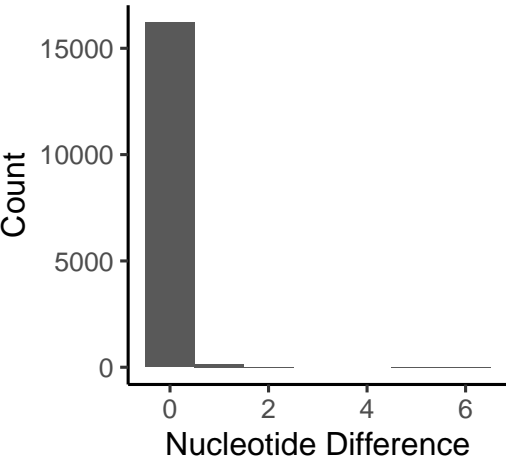
TRBV24-1*ap01

4856 sequences assigned
4802 (98.9%) exact matches, in which:
4733 unique CDR3
13 unique J



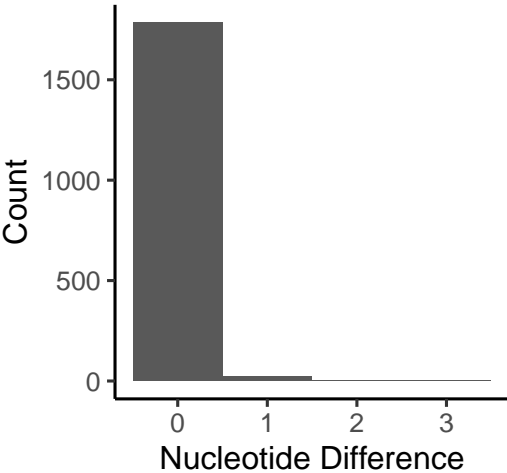
TRBV5-1*ap01

16387 sequences assigned
16214 (98.9%) exact matches, in which:
15811 unique CDR3
13 unique J



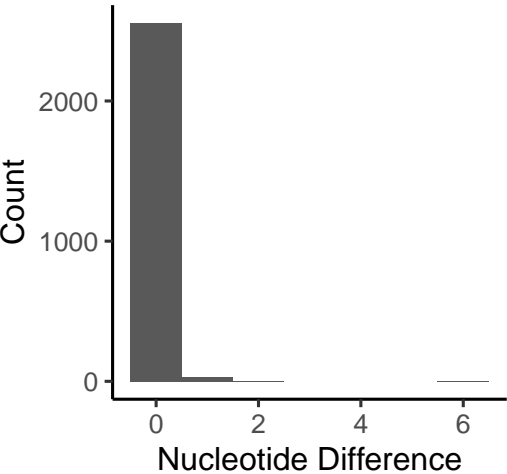
TRBV5-5*ap01

1807 sequences assigned
1784 (98.7%) exact matches, in which:
1766 unique CDR3
13 unique J



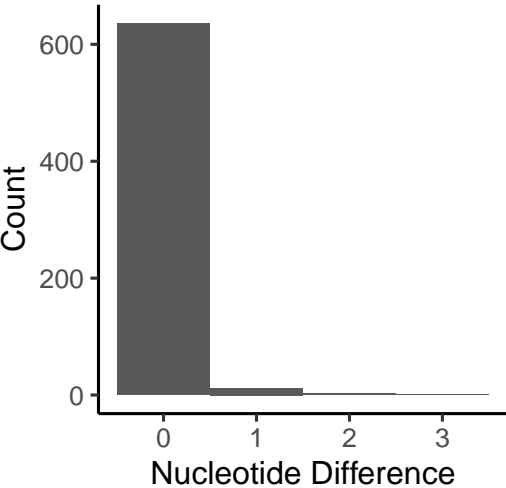
TRBV4-2*ap01

2592 sequences assigned
2556 (98.6%) exact matches, in which:
2483 unique CDR3
13 unique J



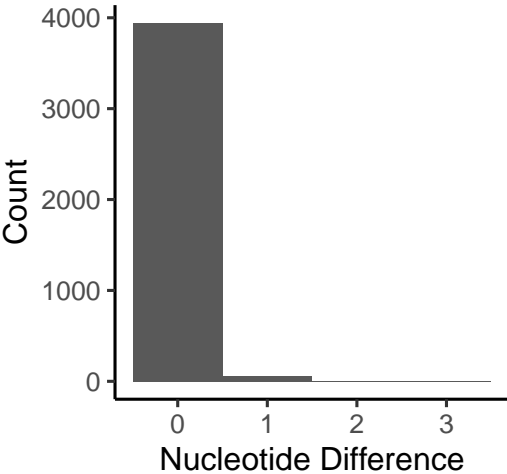
TRBV5-3*ap01

651 sequences assigned
636 (97.7%) exact matches, in which:
630 unique CDR3
13 unique J



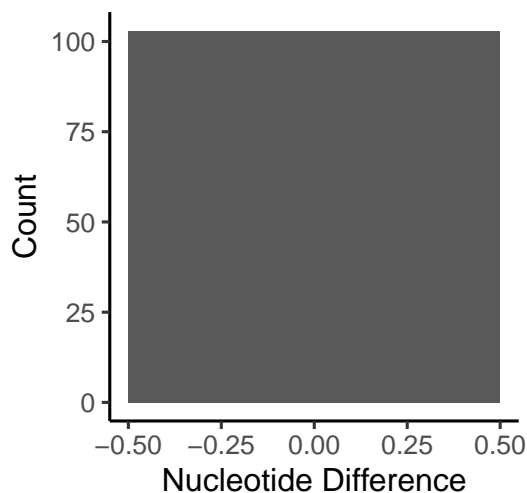
TRBV5-6*ap01

4003 sequences assigned
3942 (98.5%) exact matches, in which:
3842 unique CDR3
13 unique J



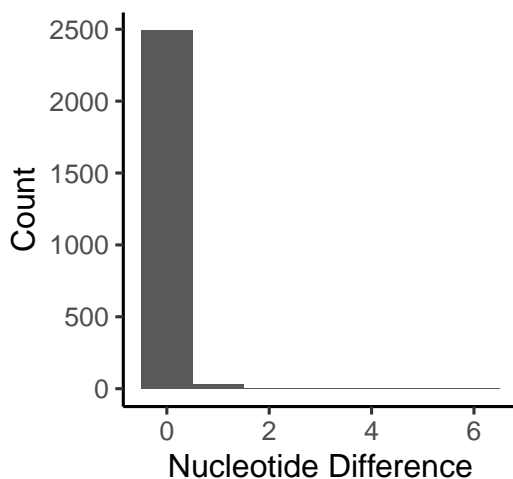
TRBV5-7*ap01

103 sequences assigned
103 (100%) exact matches, in which:
100 unique CDR3
12 unique J



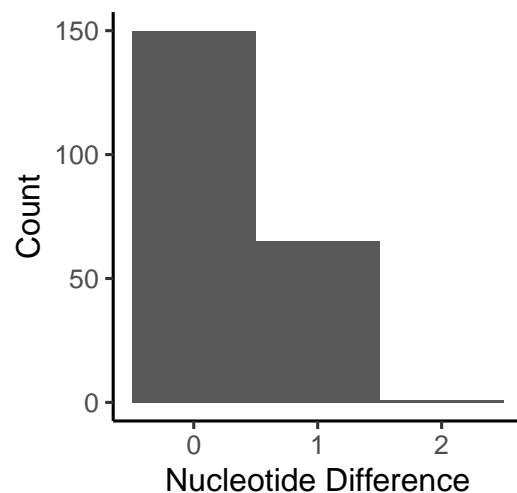
TRBV6-4*ap01

2532 sequences assigned
2492 (98.4%) exact matches, in which:
2436 unique CDR3
13 unique J



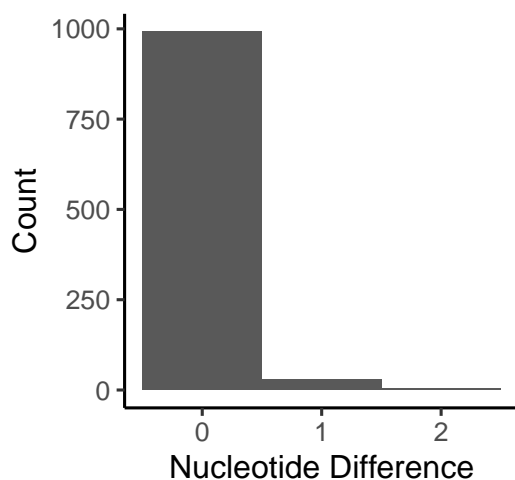
TRBV6-9*ap01

216 sequences assigned
150 (69.4%) exact matches, in which:
147 unique CDR3
13 unique J



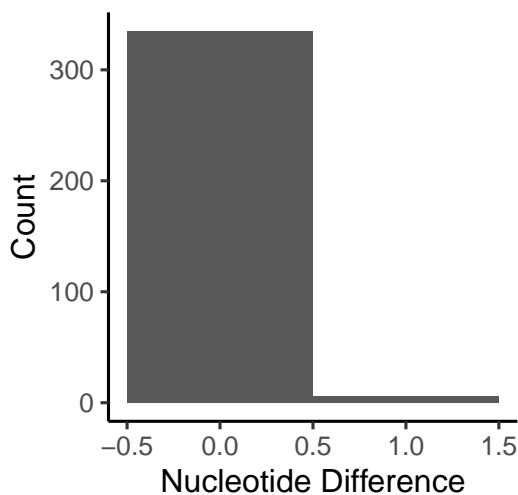
TRBV5-8*ap01

1025 sequences assigned
992 (96.8%) exact matches, in which:
971 unique CDR3
13 unique J



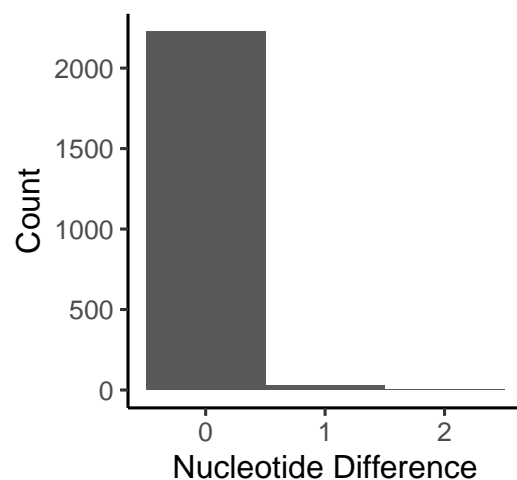
TRBV6-7*ap01

341 sequences assigned
335 (98.2%) exact matches, in which:
323 unique CDR3
13 unique J



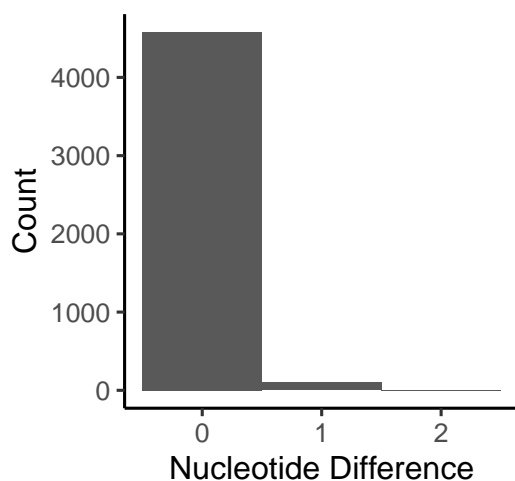
TRBV6-23*ap01

2254 sequences assigned
2226 (98.8%) exact matches, in which:
2173 unique CDR3
13 unique J



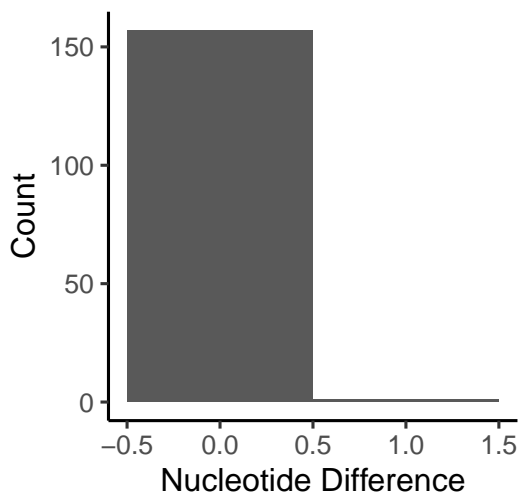
TRBV6-1*ap01

4683 sequences assigned
4580 (97.8%) exact matches, in which:
4481 unique CDR3
13 unique J



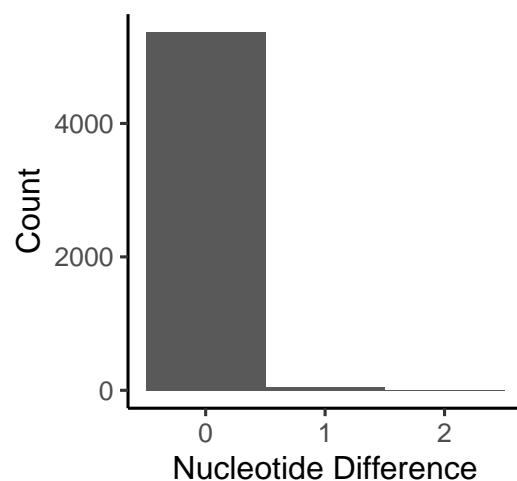
TRBV6-8*ap01

158 sequences assigned
157 (99.4%) exact matches, in which:
154 unique CDR3
13 unique J



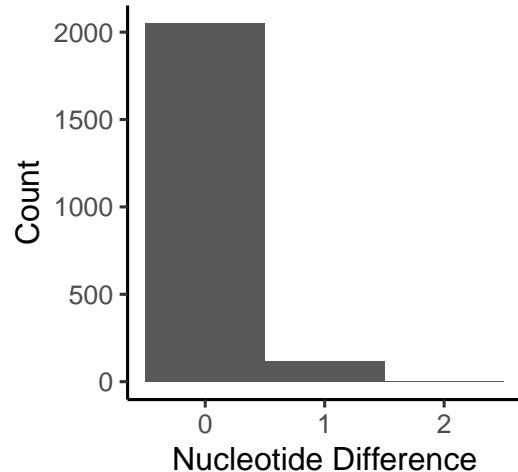
TRBV6-56*ap01

5420 sequences assigned
5370 (99.1%) exact matches, in which:
5243 unique CDR3
13 unique J



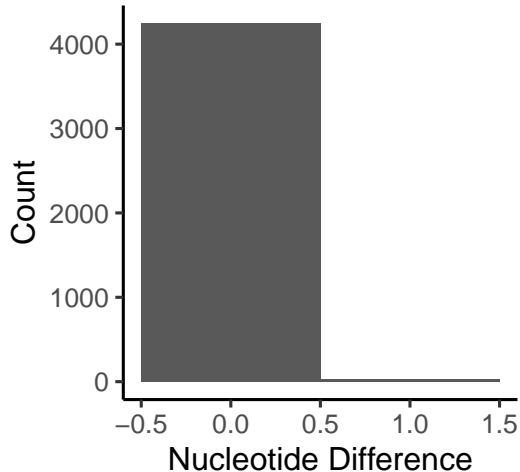
TRBV6-56*ap02

2166 sequences assigned
2050 (94.6%) exact matches, in which:
2007 unique CDR3
13 unique J



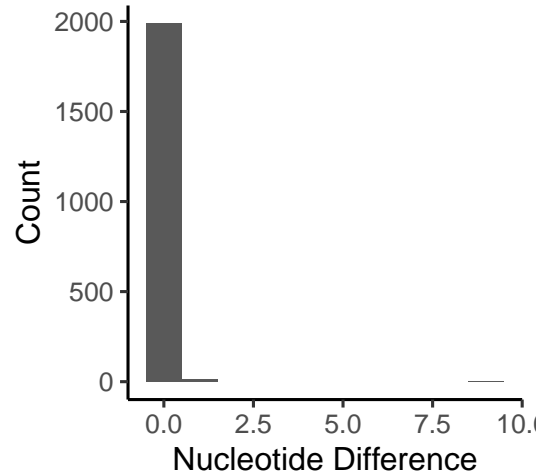
TRBV7-2*ap01

4275 sequences assigned
4246 (99.3%) exact matches, in which:
4190 unique CDR3
13 unique J



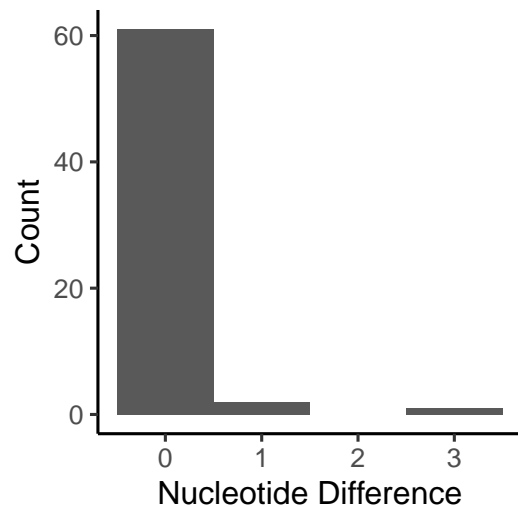
TRBV7-6*ap01

2006 sequences assigned
1989 (99.2%) exact matches, in which:
1945 unique CDR3
13 unique J



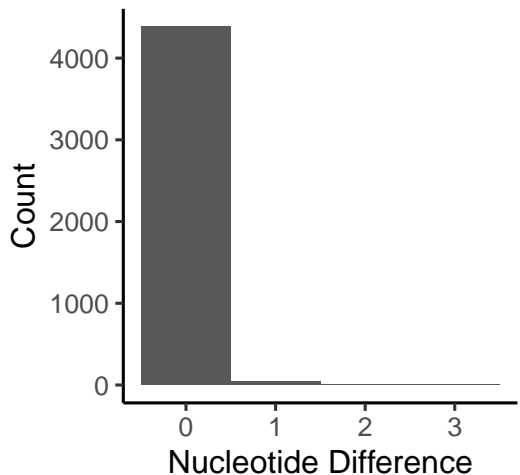
TRBV7-1*ap01_G291C_T

64 sequences assigned
61 (95.3%) exact matches, in which:
60 unique CDR3
10 unique J



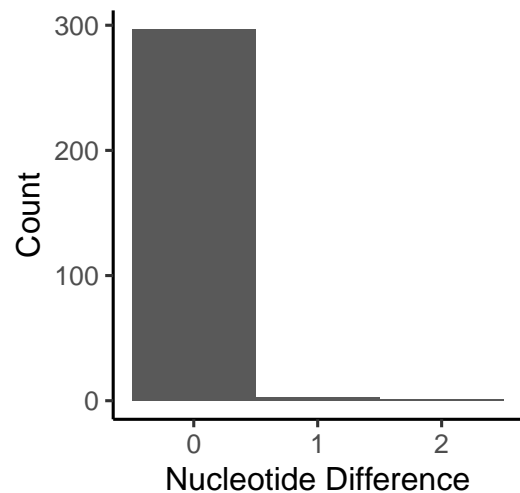
TRBV7-3*ap01

4425 sequences assigned
4384 (99.1%) exact matches, in which:
4330 unique CDR3
13 unique J



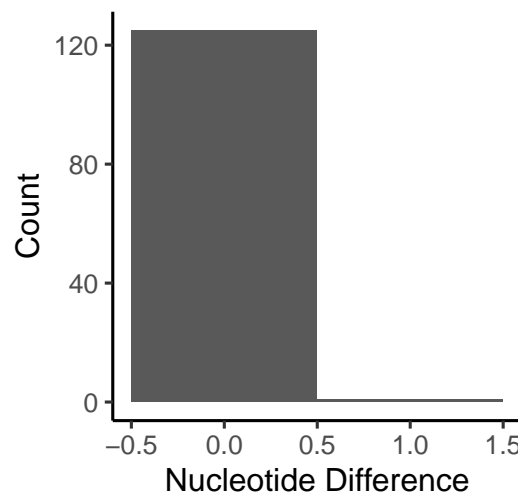
TRBV7-7*ap01

301 sequences assigned
297 (98.7%) exact matches, in which:
287 unique CDR3
13 unique J



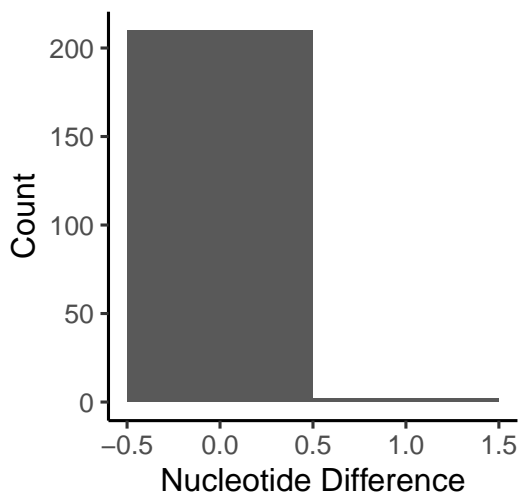
TRBV7-1*ap01_G291C_

126 sequences assigned
125 (99.2%) exact matches, in which:
123 unique CDR3
13 unique J



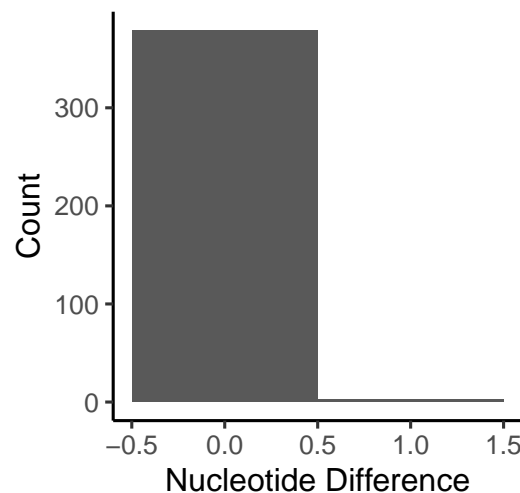
TRBV7-4*ap01

212 sequences assigned
210 (99.1%) exact matches, in which:
206 unique CDR3
13 unique J



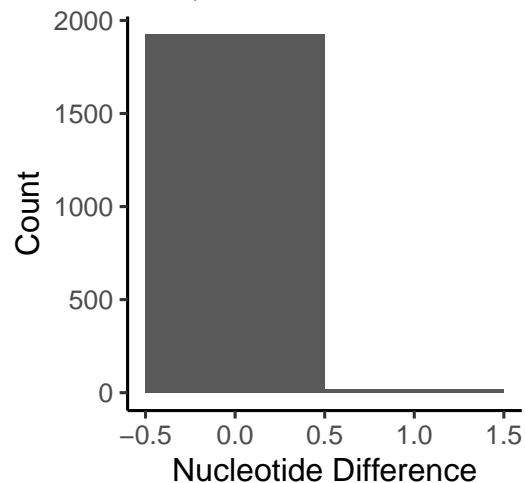
TRBV7-7*ap01_C315T

382 sequences assigned
379 (99.2%) exact matches, in which:
372 unique CDR3
13 unique J



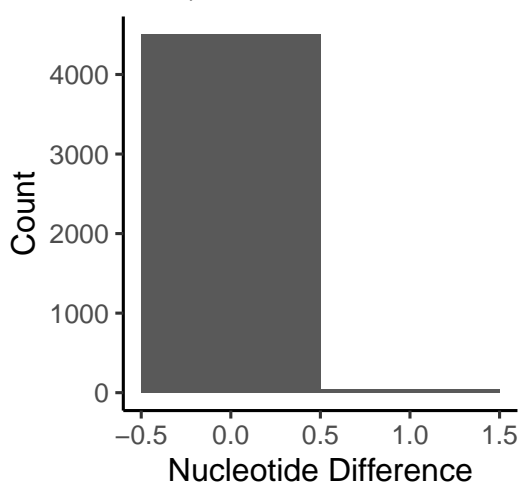
TRBV7-8*ap01

1942 sequences assigned
1925 (99.1%) exact matches, in which:
1872 unique CDR3
13 unique J



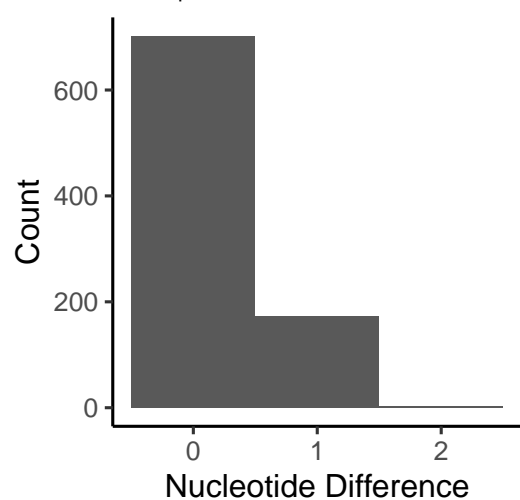
TRBV29-1*ap01

4542 sequences assigned
4504 (99.2%) exact matches, in which:
4412 unique CDR3
13 unique J



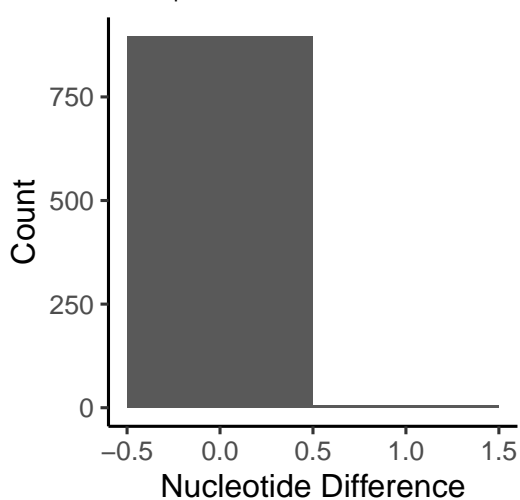
TRBV7-8*ap03

877 sequences assigned
702 (80%) exact matches, in which:
679 unique CDR3
13 unique J



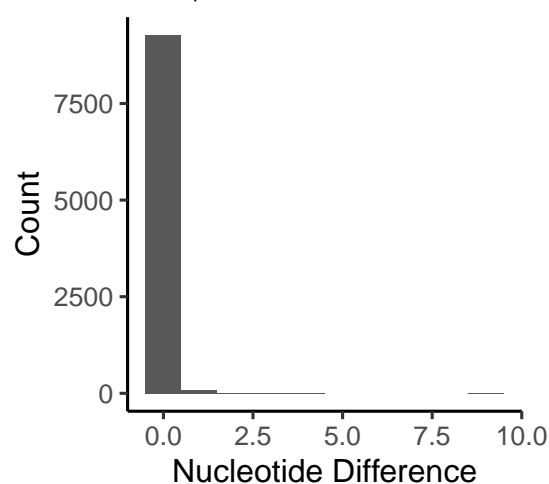
TRBV29-1*ap02

903 sequences assigned
897 (99.3%) exact matches, in which:
877 unique CDR3
13 unique J

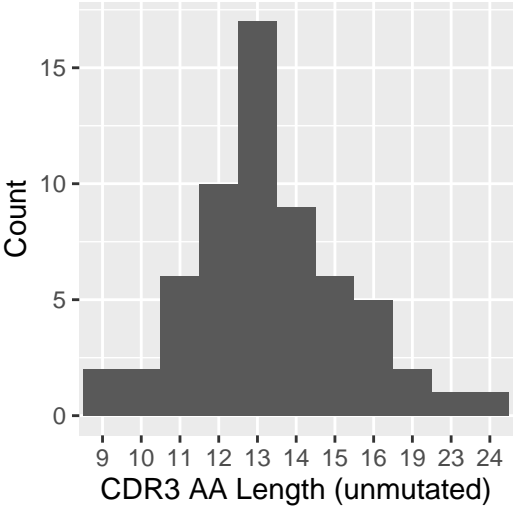


TRBV7-9*ap01

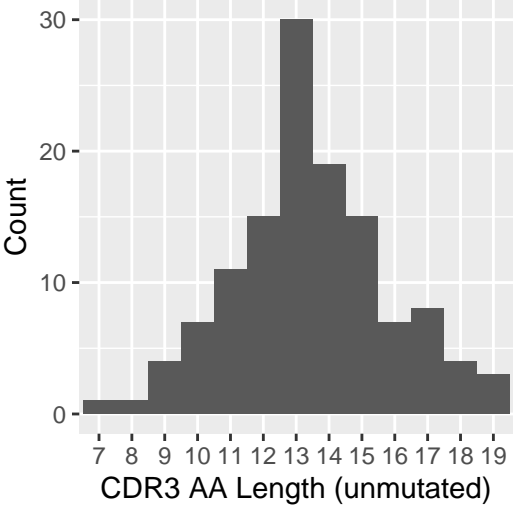
9360 sequences assigned
9271 (99%) exact matches, in which:
9127 unique CDR3
13 unique J



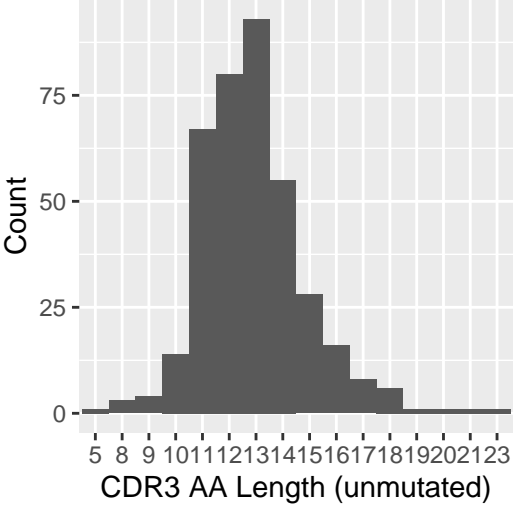
TRBV7-1*ap01_G291C_T296C



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-7*ap01_C315T





[illegible]