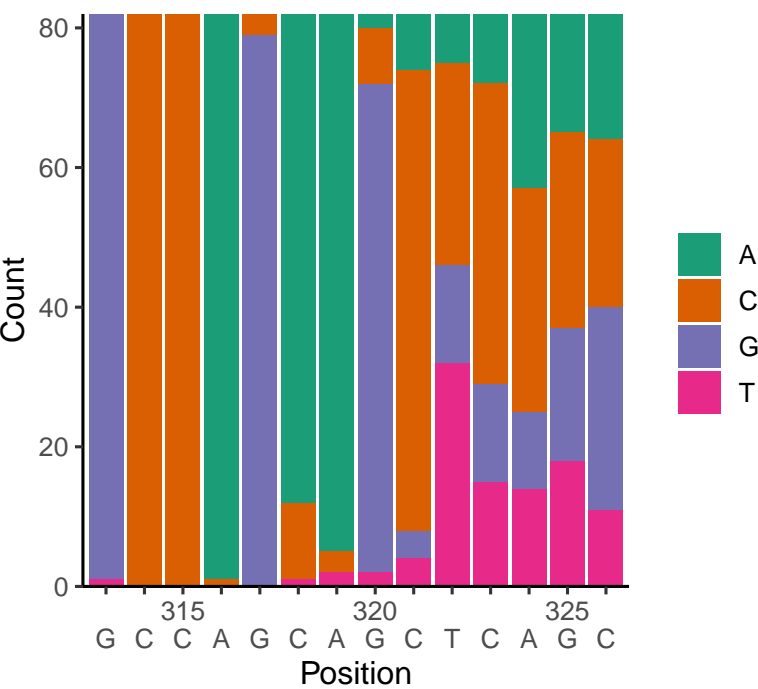
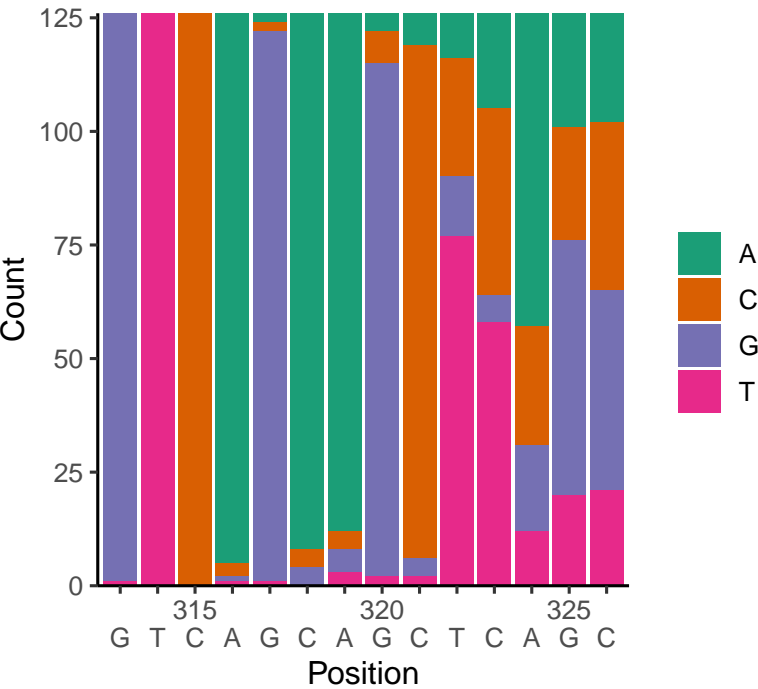


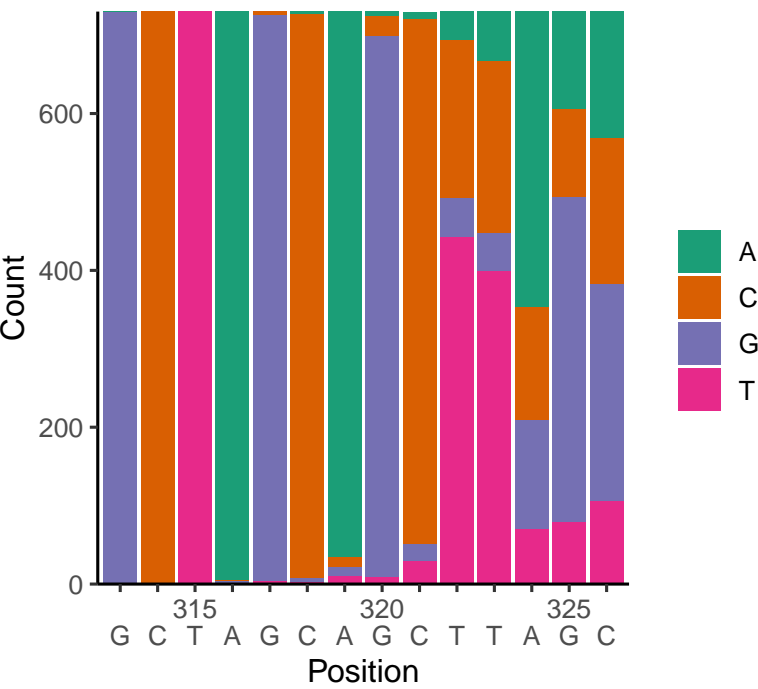
Gene TRBV7-1*ap01_T296C



Gene TRBV7-1*ap01_T296C_C314T



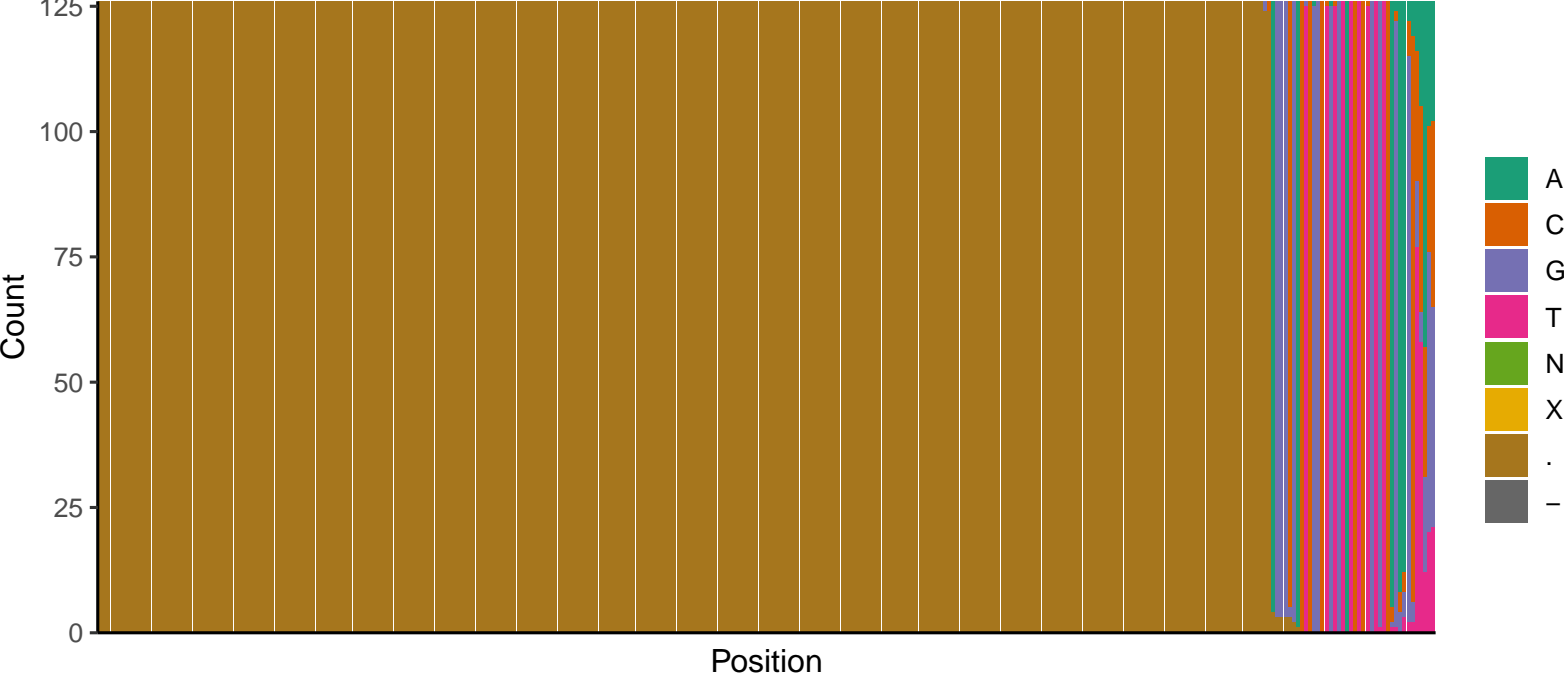
Gene TRBV7-7*ap01_C315T



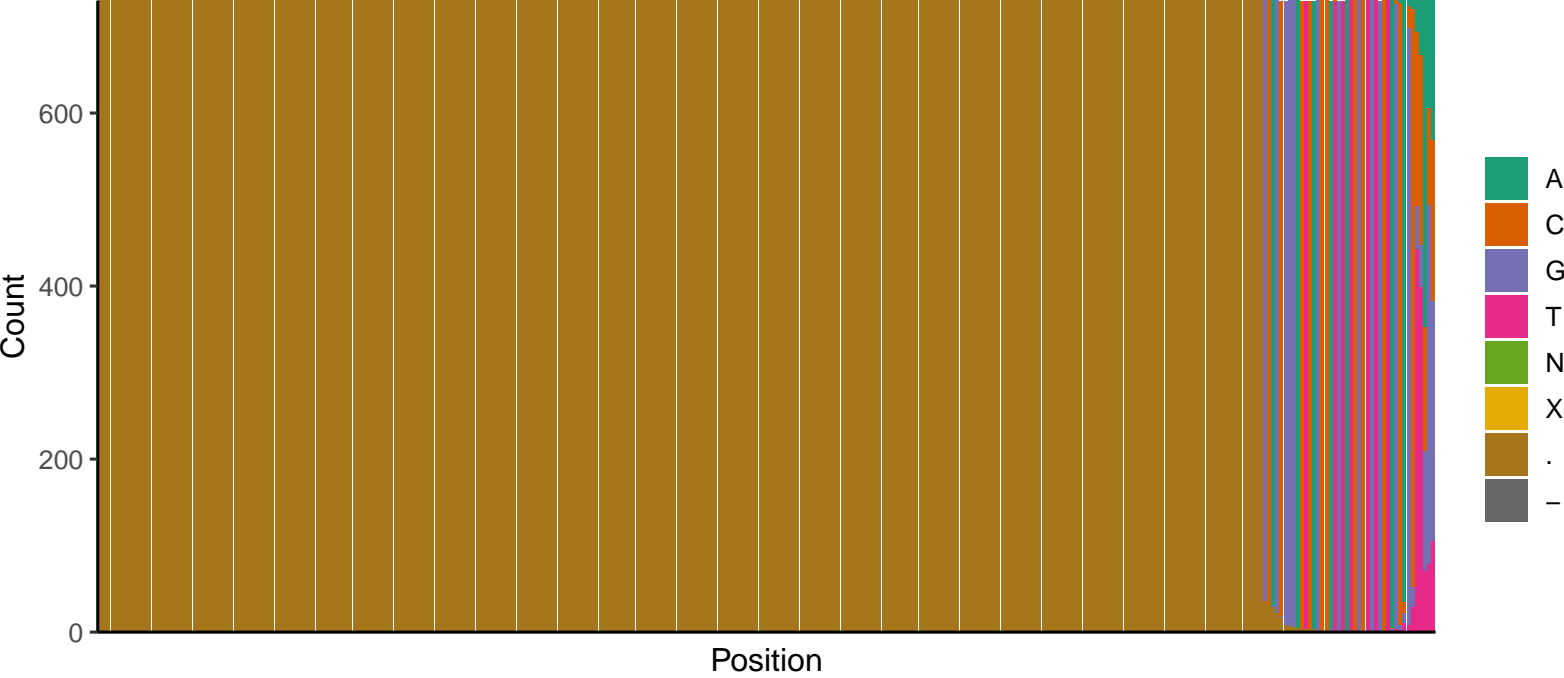
Gene TRBV7-1*ap01_T296C



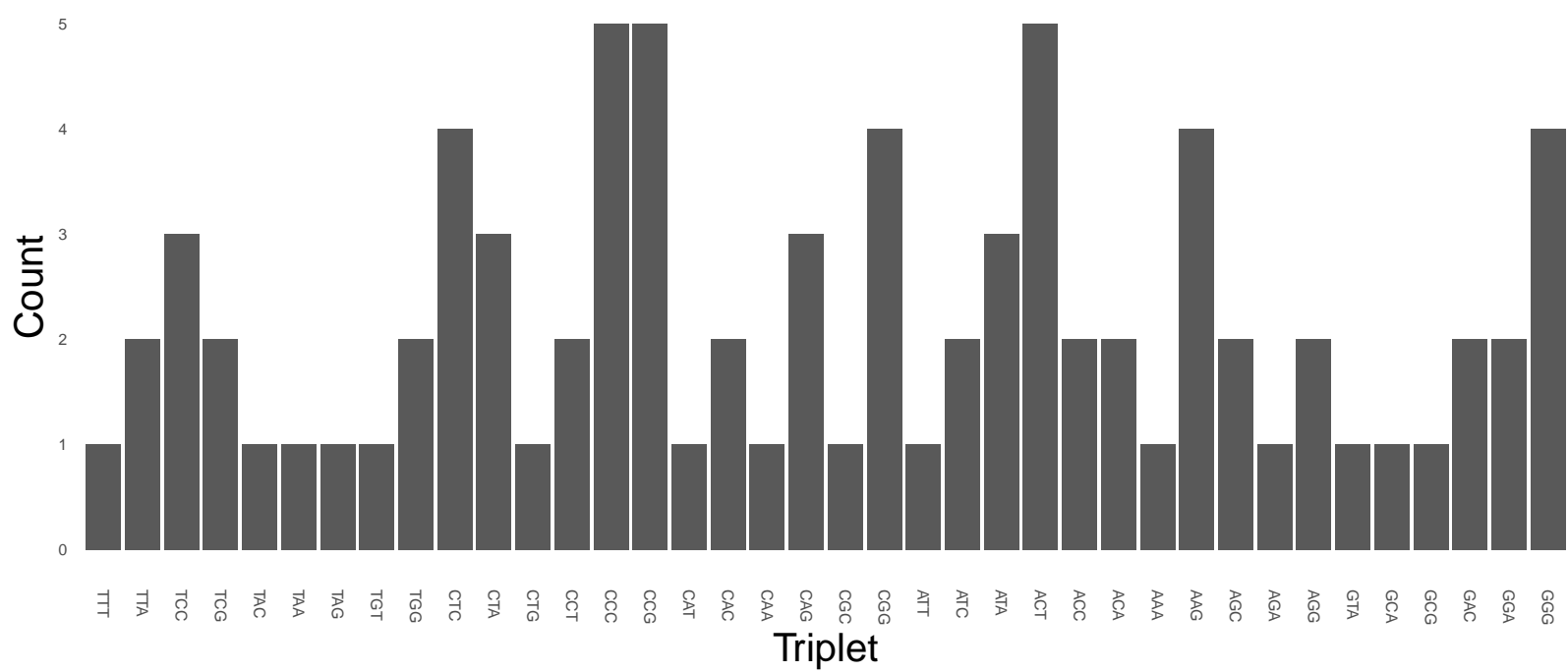
Gene TRBV7-1*ap01_T296C_C314T



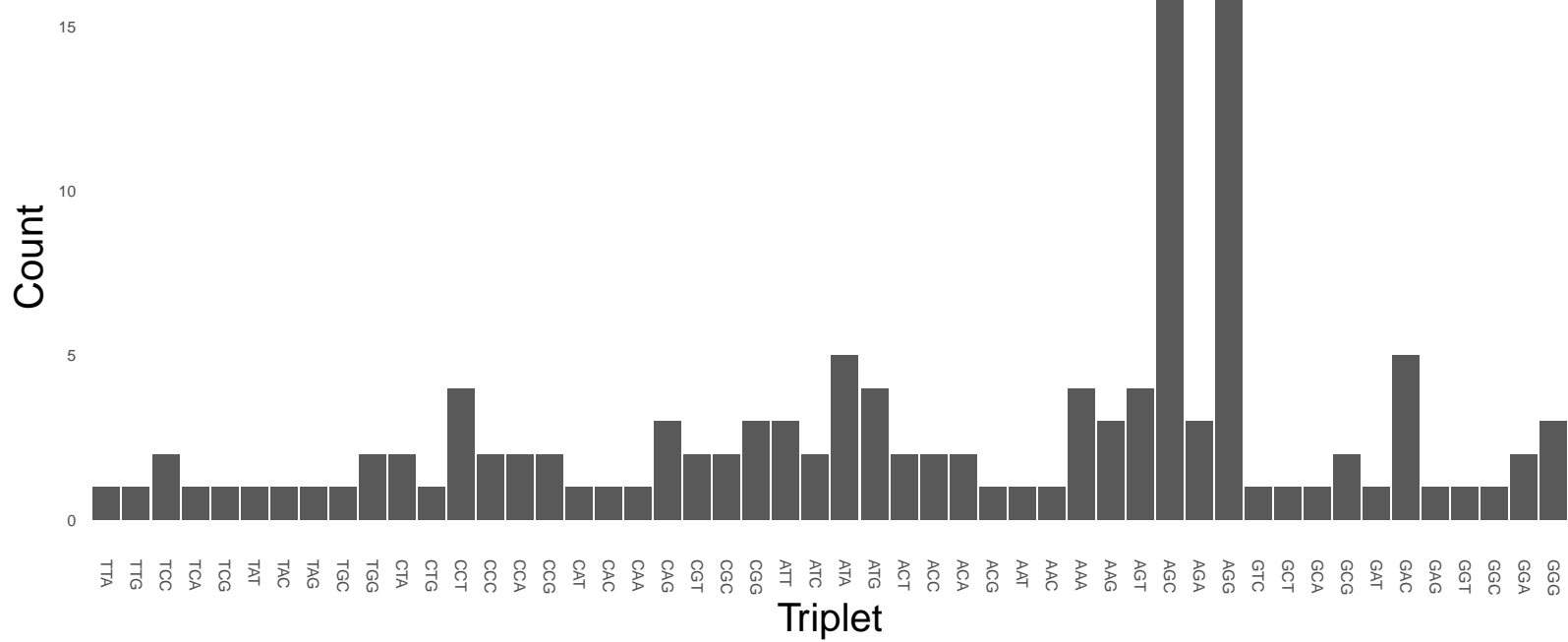
Gene TRBV7-7*ap01_C315T



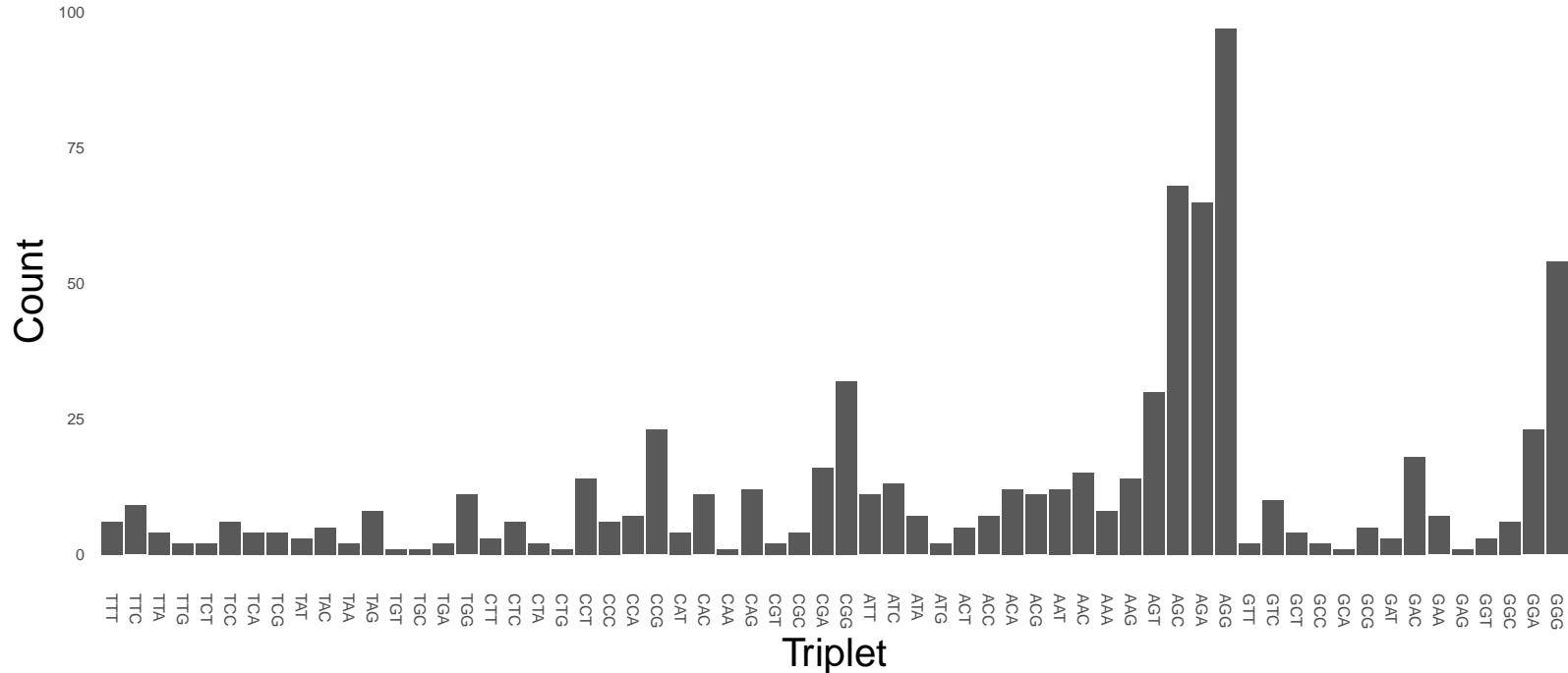
TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet



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

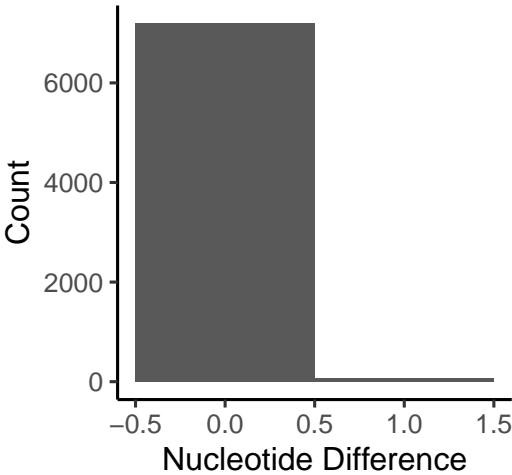


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



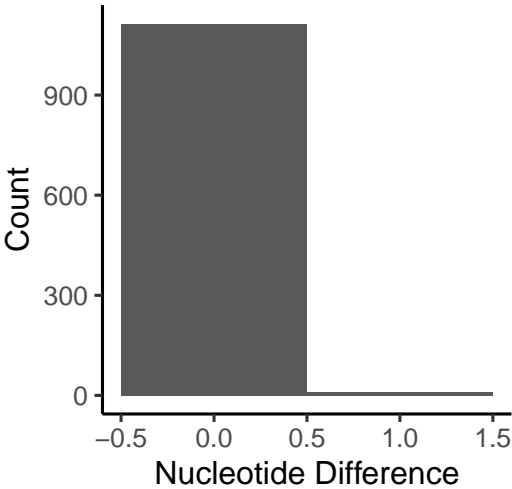
TRBV20-1*ap01

7273 sequences assigned
7194 (98.9%) exact matches, in which:
7084 unique CDR3
13 unique J



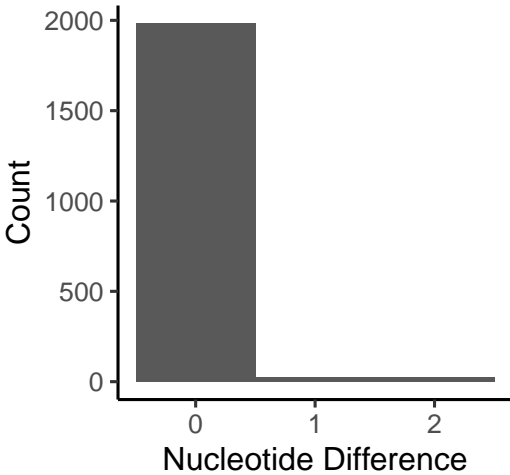
TRBV10-2*ap01

1123 sequences assigned
1114 (99.2%) exact matches, in which:
1100 unique CDR3
13 unique J



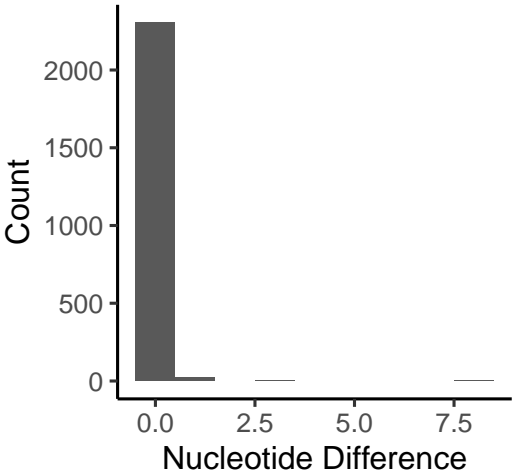
TRBV13*ap01

2033 sequences assigned
1983 (97.5%) exact matches, in which:
1935 unique CDR3
13 unique J



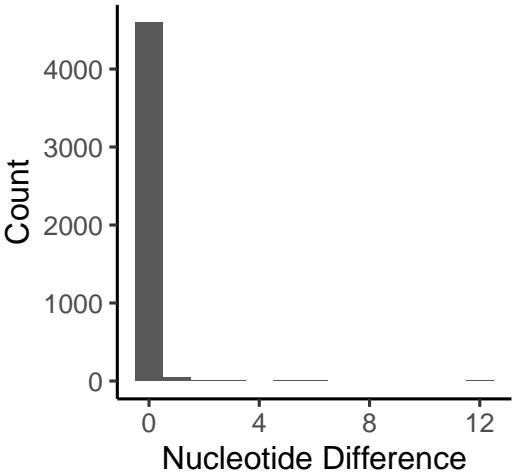
TRBV10-1*ap01

2331 sequences assigned
2304 (98.8%) exact matches, in which:
2271 unique CDR3
13 unique J



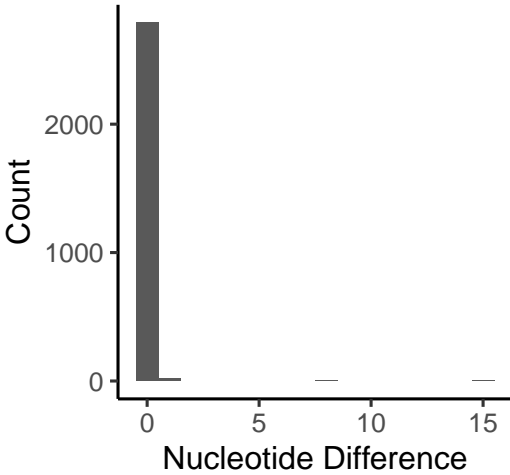
TRBV10-3*ap01

4642 sequences assigned
4594 (99%) exact matches, in which:
4527 unique CDR3
13 unique J



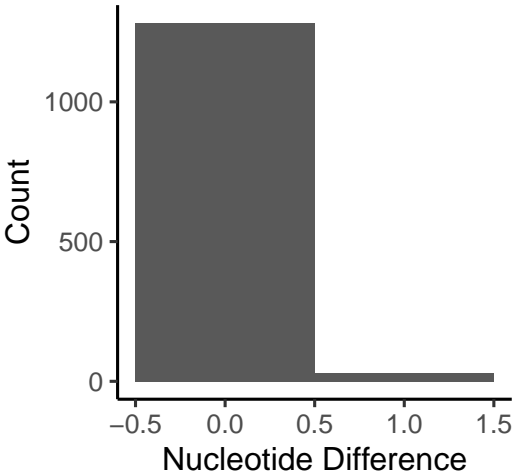
TRBV14*ap01

2813 sequences assigned
2790 (99.2%) exact matches, in which:
2752 unique CDR3
13 unique J



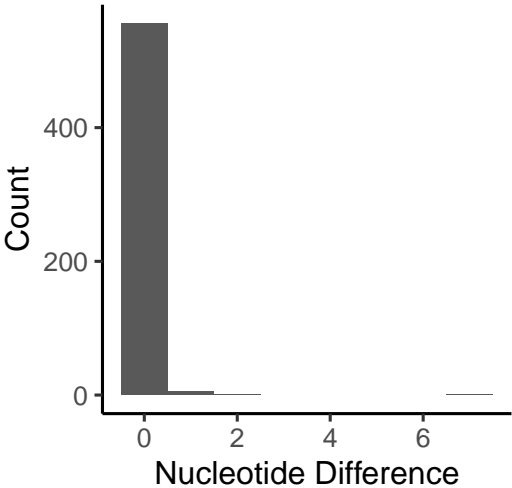
TRBV20-1*ap02

1312 sequences assigned
1282 (97.7%) exact matches, in which:
1267 unique CDR3
13 unique J



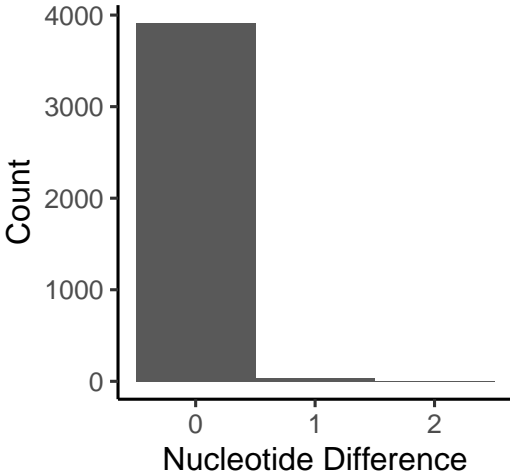
TRBV1*ap01

563 sequences assigned
556 (98.8%) exact matches, in which:
547 unique CDR3
13 unique J



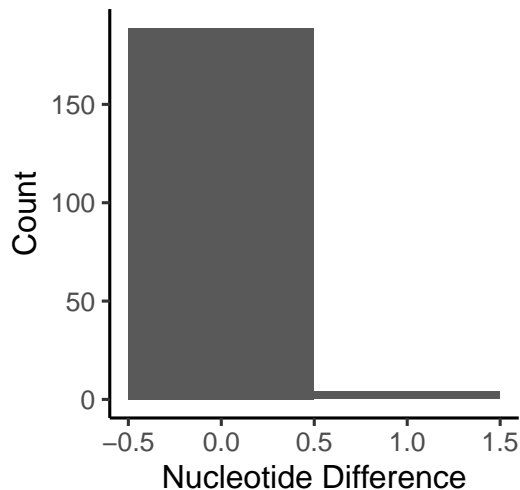
TRBV15*ap02

3947 sequences assigned
3913 (99.1%) exact matches, in which:
3822 unique CDR3
13 unique J



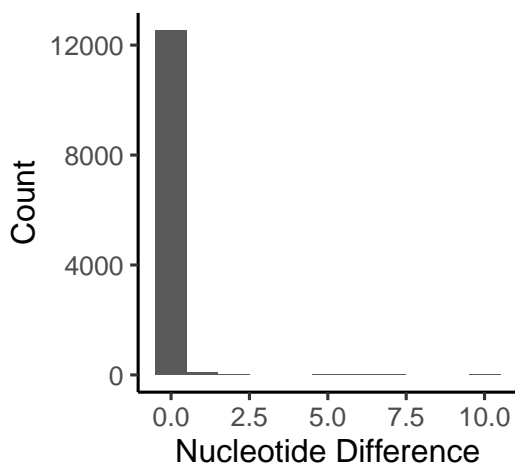
TRBV16*ap01

193 sequences assigned
189 (97.9%) exact matches, in which:
186 unique CDR3
13 unique J



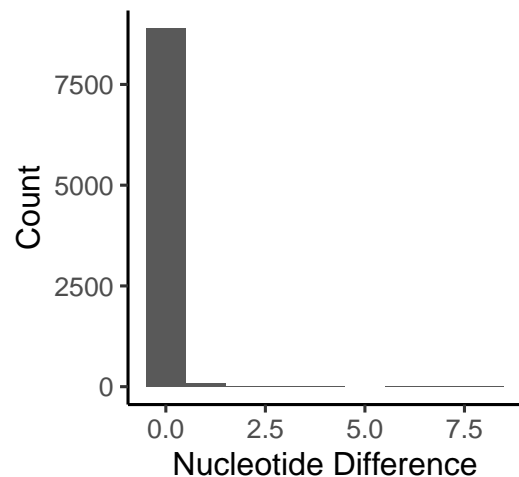
TRBV19*ap01

12668 sequences assigned
12545 (99%) exact matches, in which:
12420 unique CDR3
13 unique J



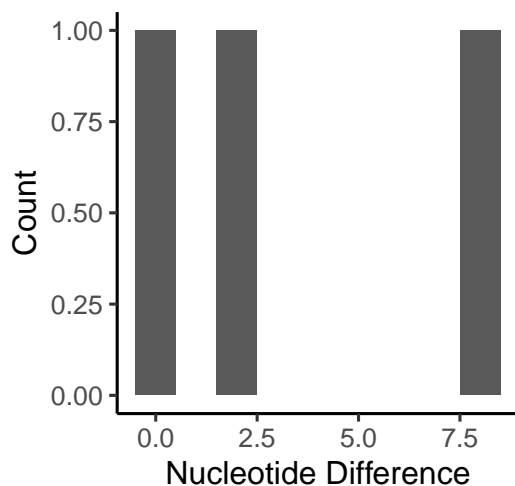
TRBV27*ap01

8996 sequences assigned
8890 (98.8%) exact matches, in which:
8731 unique CDR3
13 unique J



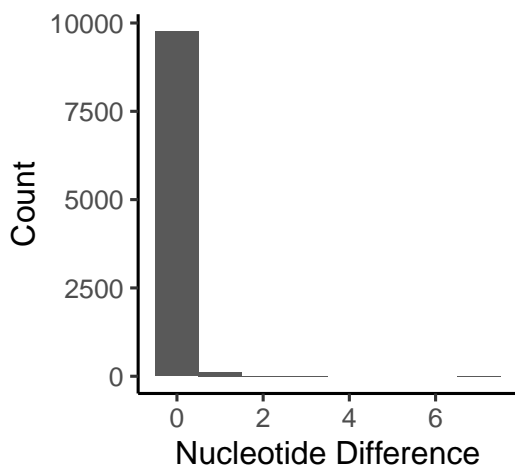
TRBV17*ap01

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



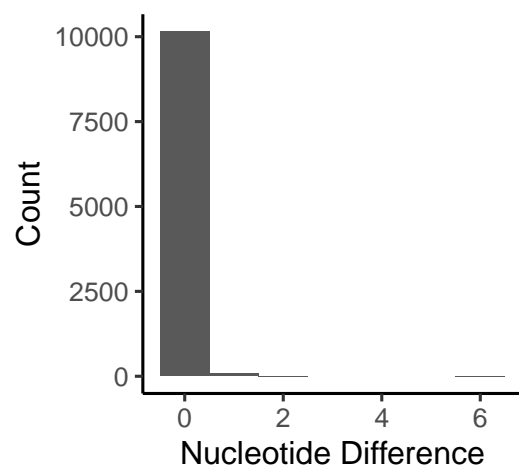
TRBV2*ap01

9885 sequences assigned
9760 (98.7%) exact matches, in which:
9619 unique CDR3
13 unique J



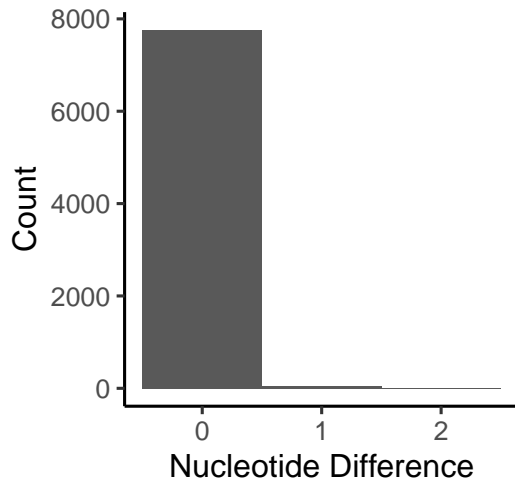
TRBV28*ap01

10245 sequences assigned
10154 (99.1%) exact matches, in which:
10007 unique CDR3
13 unique J



TRBV18*ap01

7813 sequences assigned
7758 (99.3%) exact matches, in which:
7663 unique CDR3
13 unique J



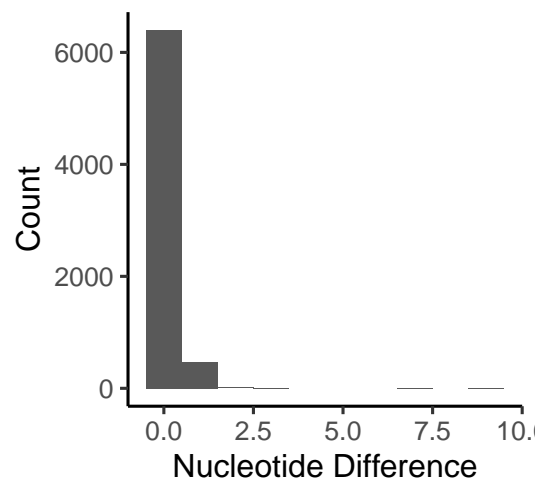
TRBV26*ap01

1 sequences assigned
1 (100%) exact matches, in which:
1 unique CDR3
1 unique J



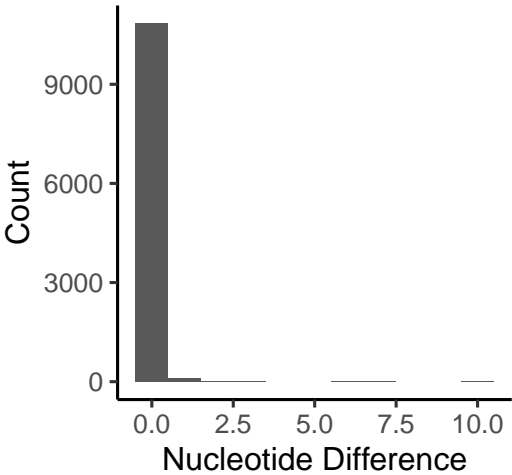
TRBV30*ap01

6888 sequences assigned
6399 (92.9%) exact matches, in which:
6237 unique CDR3
13 unique J



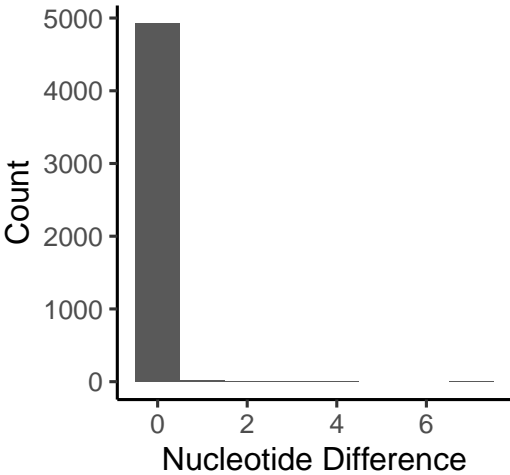
TRBV9*ap01

10945 sequences assigned
10842 (99.1%) exact matches, in which:
10700 unique CDR3
13 unique J



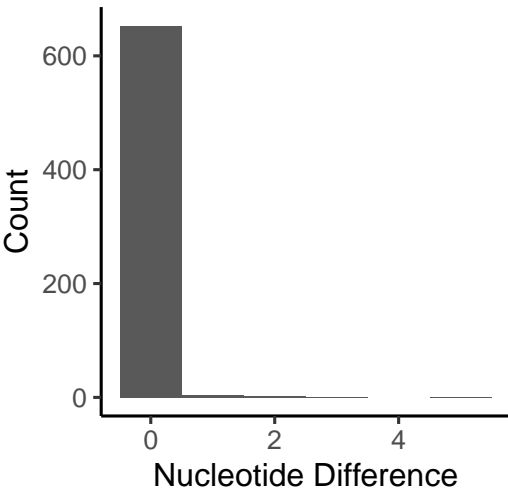
TRBV11-2*ap01

4953 sequences assigned
4926 (99.5%) exact matches, in which:
4886 unique CDR3
13 unique J



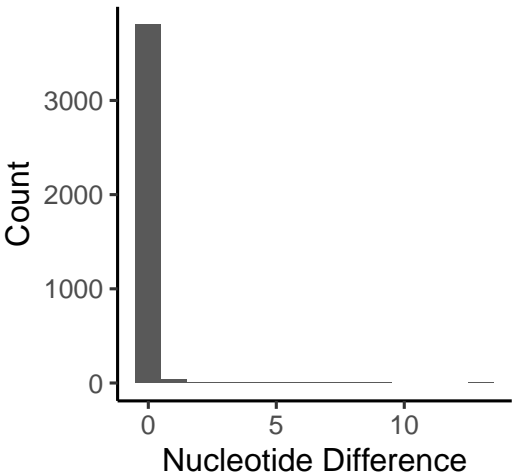
TRBV12-2*ap01

661 sequences assigned
653 (98.8%) exact matches, in which:
647 unique CDR3
13 unique J



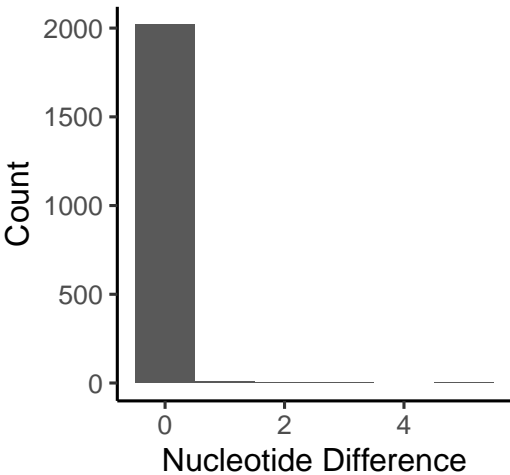
TRBV21-1*ap01

3873 sequences assigned
3804 (98.2%) exact matches, in which:
3769 unique CDR3
13 unique J



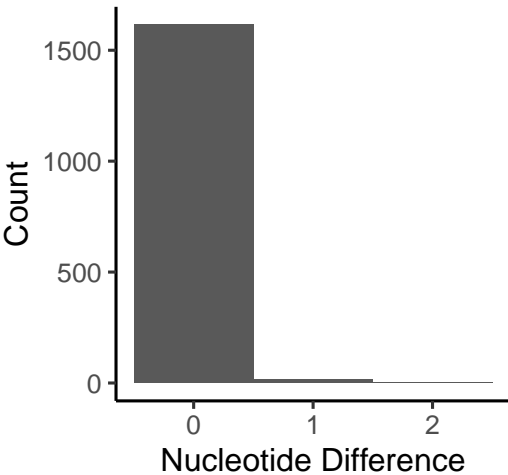
TRBV11-3*ap01

2033 sequences assigned
2019 (99.3%) exact matches, in which:
2007 unique CDR3
13 unique J



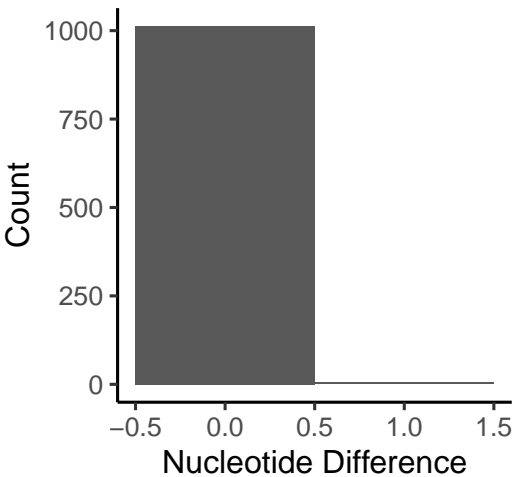
TRBV12-5*ap01

1632 sequences assigned
1615 (99%) exact matches, in which:
1593 unique CDR3
13 unique J



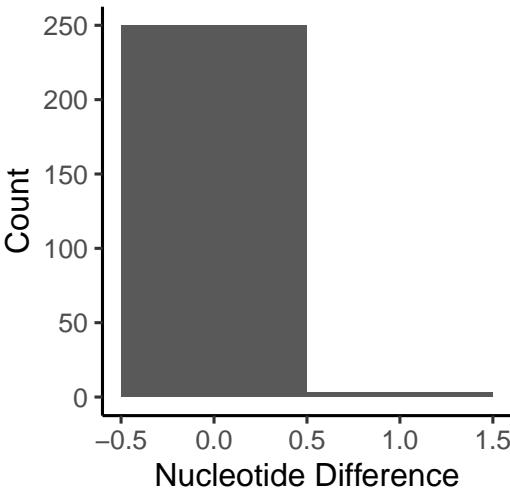
TRBV11-1*ap01

1018 sequences assigned
1013 (99.5%) exact matches, in which:
1004 unique CDR3
13 unique J



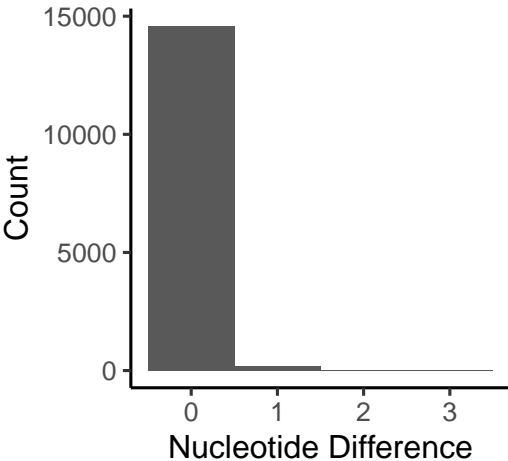
TRBV12-1*ap01

253 sequences assigned
250 (98.8%) exact matches, in which:
245 unique CDR3
13 unique J



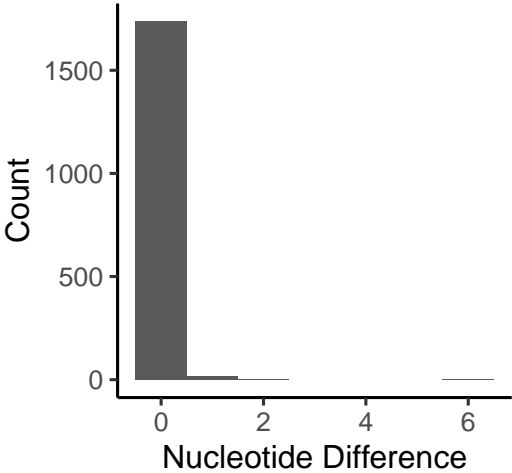
TRBV12-34*ap01

14789 sequences assigned
14594 (98.7%) exact matches, in which:
14334 unique CDR3
13 unique J



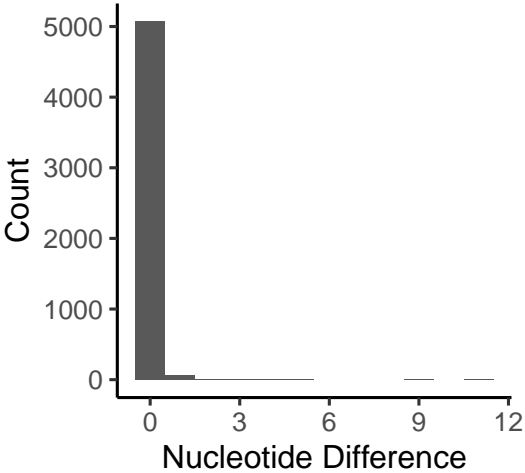
TRBV23-1*ap01

1754 sequences assigned
1737 (99%) exact matches, in which:
1712 unique CDR3
13 unique J



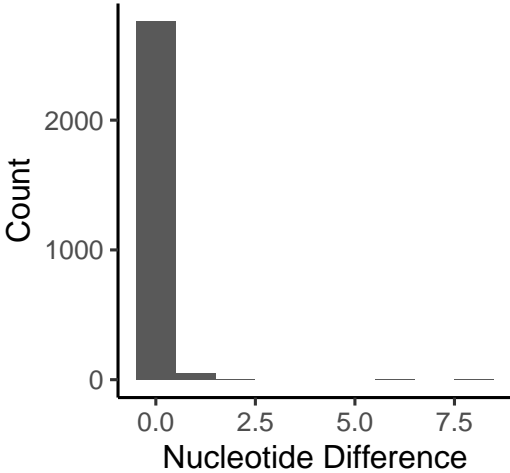
TRBV24-1*ap01

5153 sequences assigned
5072 (98.4%) exact matches, in which:
4968 unique CDR3
13 unique J



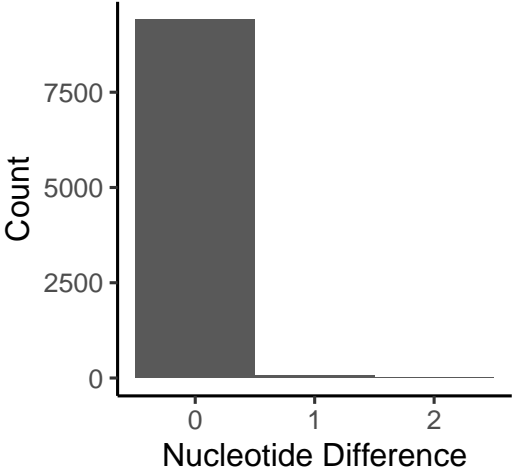
TRBV25-1*ap01

2812 sequences assigned
2761 (98.2%) exact matches, in which:
2680 unique CDR3
13 unique J



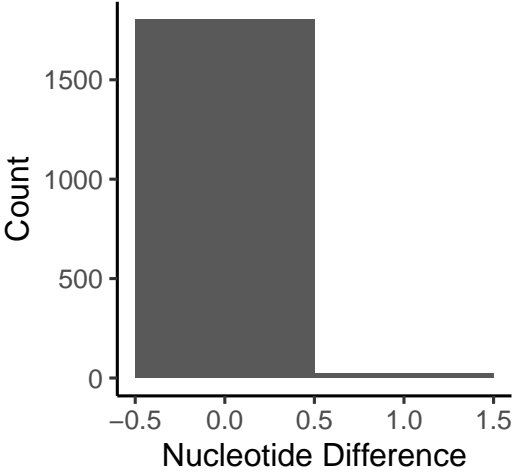
TRBV3-12*ap01

9481 sequences assigned
9403 (99.2%) exact matches, in which:
9303 unique CDR3
13 unique J



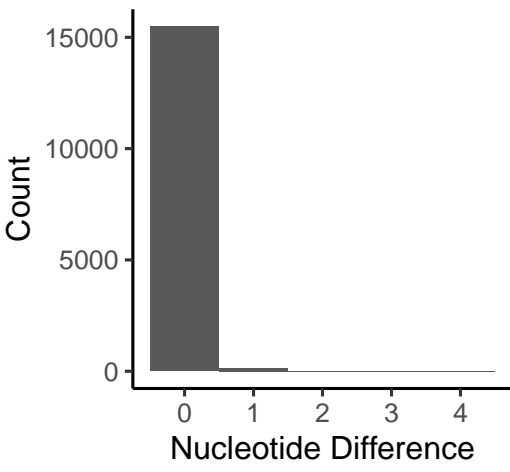
TRBV4-2*ap01

1824 sequences assigned
1802 (98.8%) exact matches, in which:
1767 unique CDR3
13 unique J



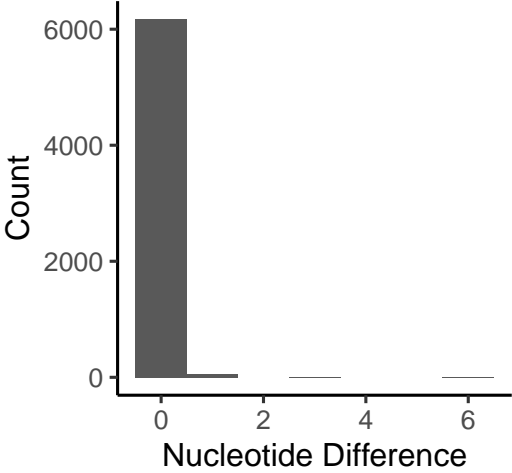
TRBV5-1*ap01

15640 sequences assigned
15486 (99%) exact matches, in which:
15158 unique CDR3
13 unique J



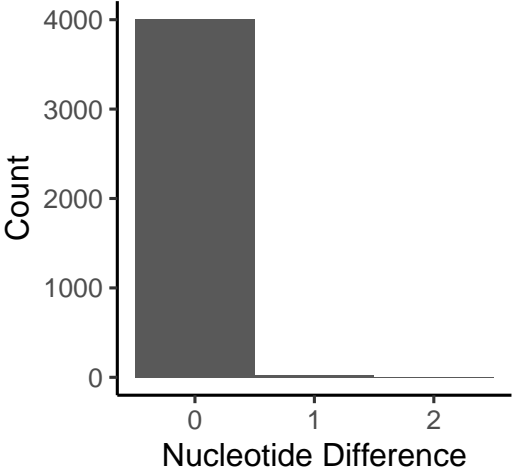
TRBV4-1*ap01

6233 sequences assigned
6175 (99.1%) exact matches, in which:
6031 unique CDR3
13 unique J



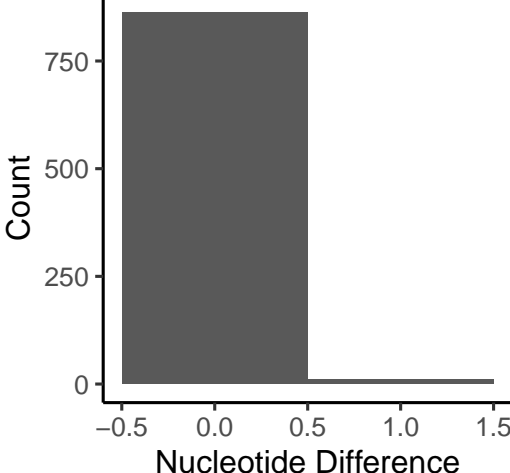
TRBV4-3*ap01

4037 sequences assigned
4007 (99.3%) exact matches, in which:
3914 unique CDR3
13 unique J



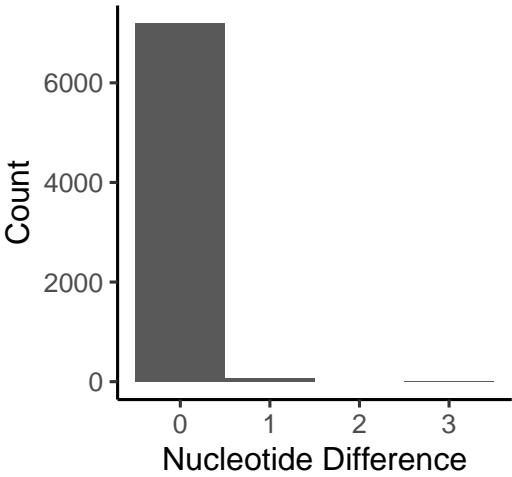
TRBV5-3*ap01

873 sequences assigned
863 (98.9%) exact matches, in which:
844 unique CDR3
13 unique J



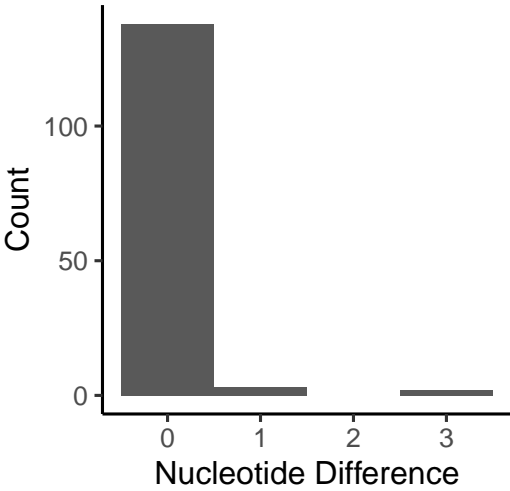
TRBV5-4*ap01

7265 sequences assigned
7193 (99%) exact matches, in which:
7031 unique CDR3
13 unique J



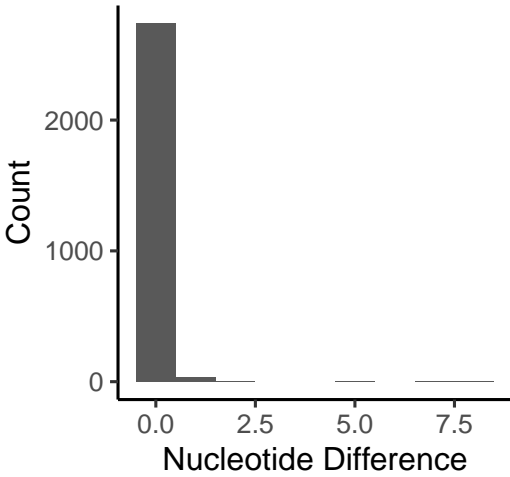
TRBV5-7*ap01

143 sequences assigned
138 (96.5%) exact matches, in which:
133 unique CDR3
13 unique J



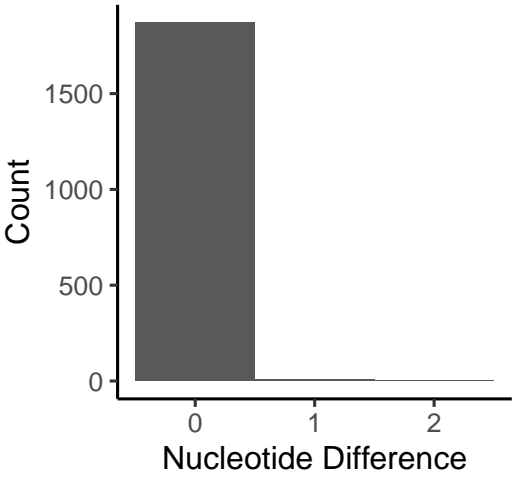
TRBV6-4*ap01

2782 sequences assigned
2739 (98.5%) exact matches, in which:
2706 unique CDR3
13 unique J



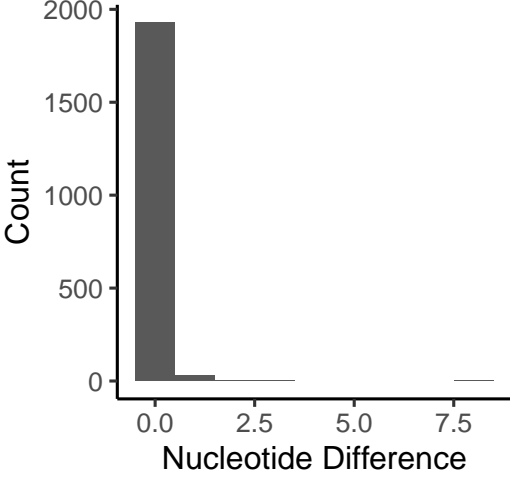
TRBV5-5*ap01

1879 sequences assigned
1870 (99.5%) exact matches, in which:
1852 unique CDR3
13 unique J



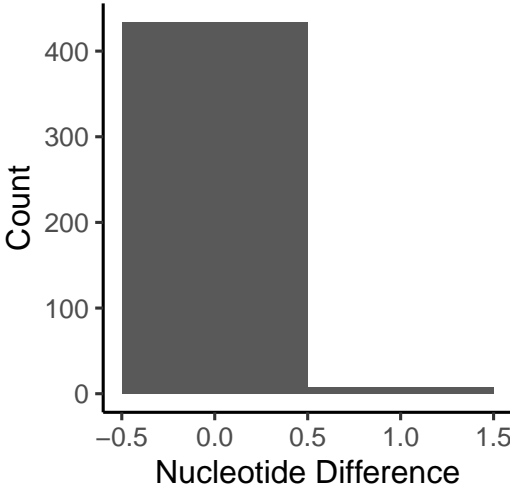
TRBV5-8*ap01

1964 sequences assigned
1928 (98.2%) exact matches, in which:
1900 unique CDR3
13 unique J



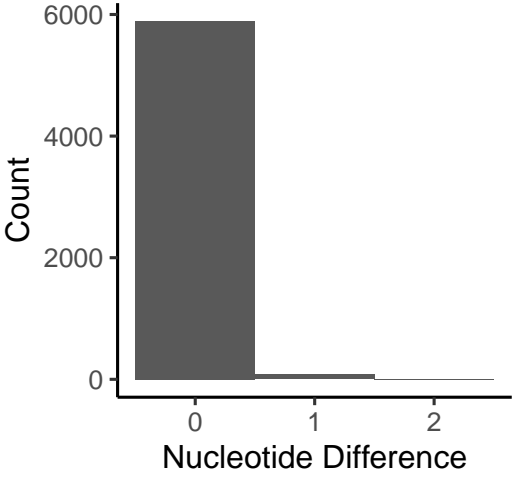
TRBV6-7*ap01

442 sequences assigned
434 (98.2%) exact matches, in which:
428 unique CDR3
13 unique J



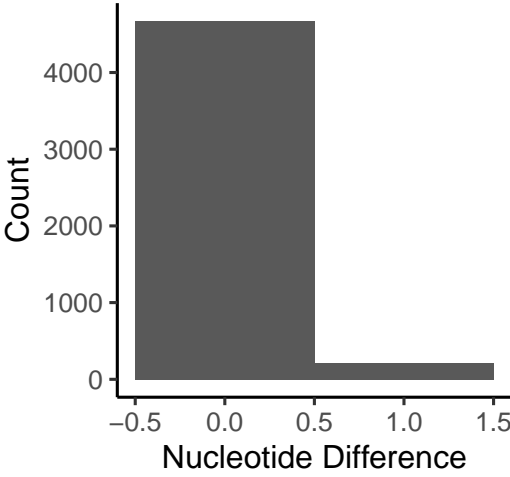
TRBV5-6*ap01

5971 sequences assigned
5892 (98.7%) exact matches, in which:
5702 unique CDR3
13 unique J



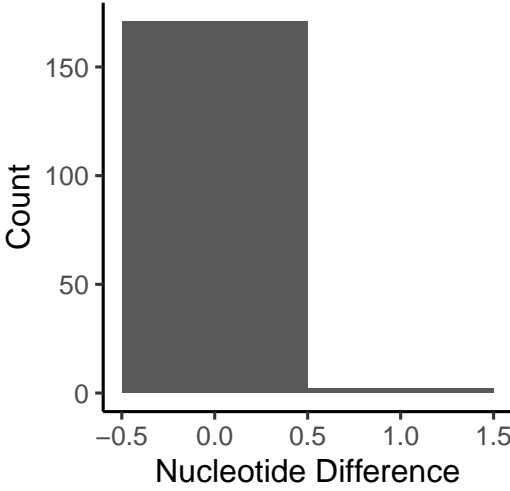
TRBV6-1*ap01

4880 sequences assigned
4671 (95.7%) exact matches, in which:
4588 unique CDR3
13 unique J



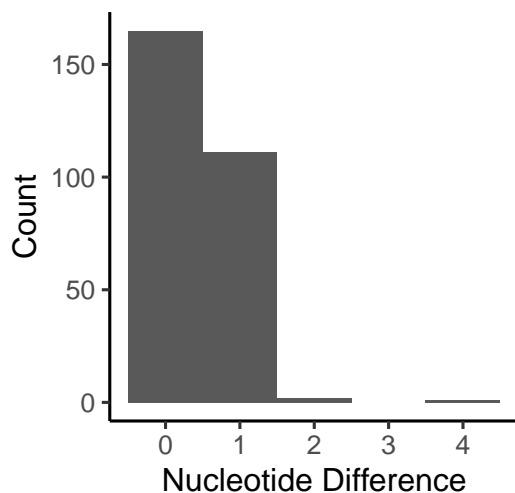
TRBV6-8*ap01

173 sequences assigned
171 (98.8%) exact matches, in which:
169 unique CDR3
13 unique J



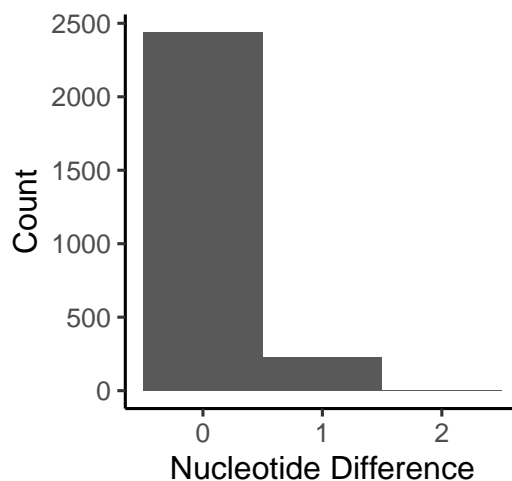
TRBV6-9*ap01

279 sequences assigned
165 (59.1%) exact matches, in which:
163 unique CDR3
13 unique J



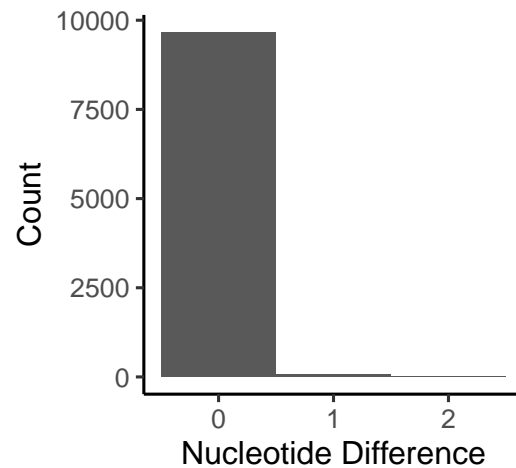
TRBV6-56*ap02

2668 sequences assigned
2438 (91.4%) exact matches, in which:
2371 unique CDR3
13 unique J



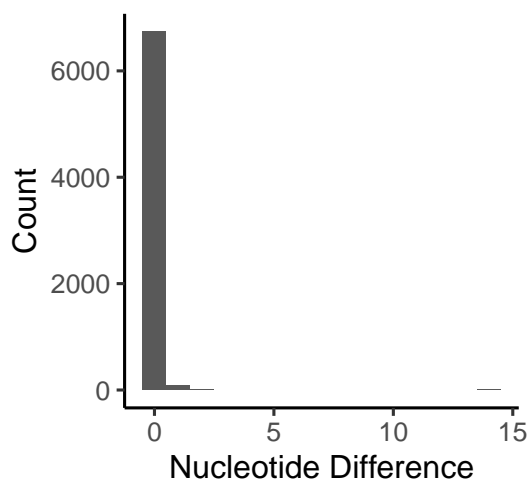
TRBV7-2*ap01

9738 sequences assigned
9666 (99.3%) exact matches, in which:
9511 unique CDR3
13 unique J



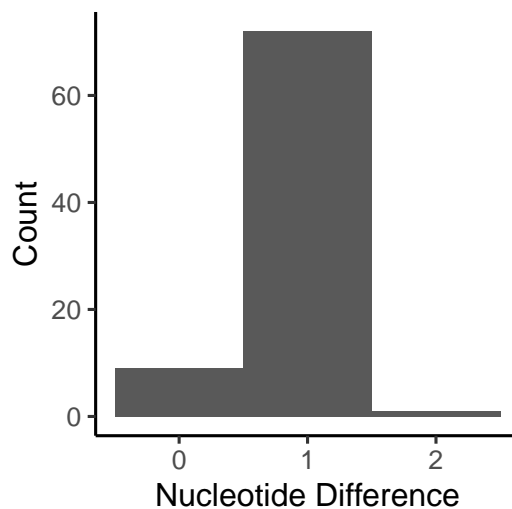
TRBV6-23*ap01

6820 sequences assigned
6736 (98.8%) exact matches, in which:
6551 unique CDR3
13 unique J



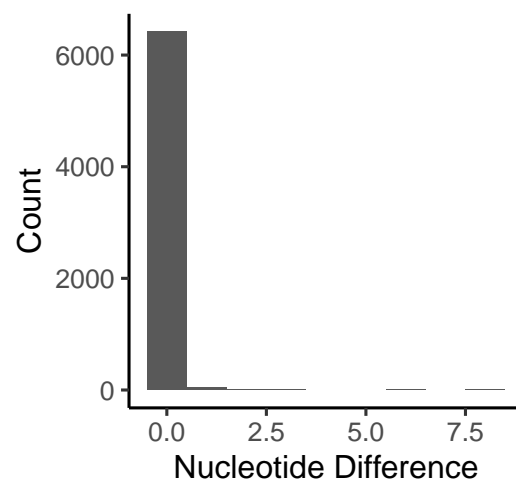
TRBV7-1*ap01_T296C

82 sequences assigned
9 (11%) exact matches, in which:
9 unique CDR3
7 unique J



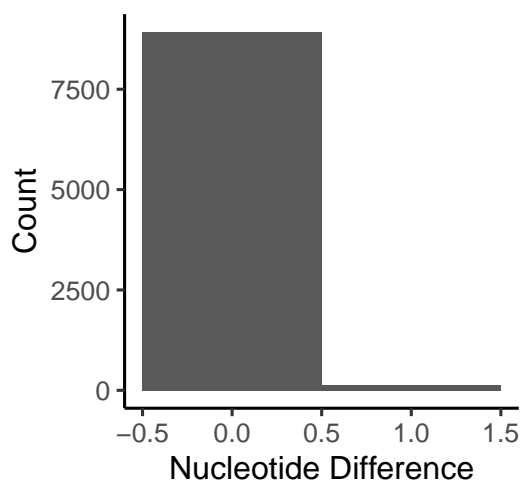
TRBV7-3*ap01

6467 sequences assigned
6418 (99.2%) exact matches, in which:
6352 unique CDR3
13 unique J



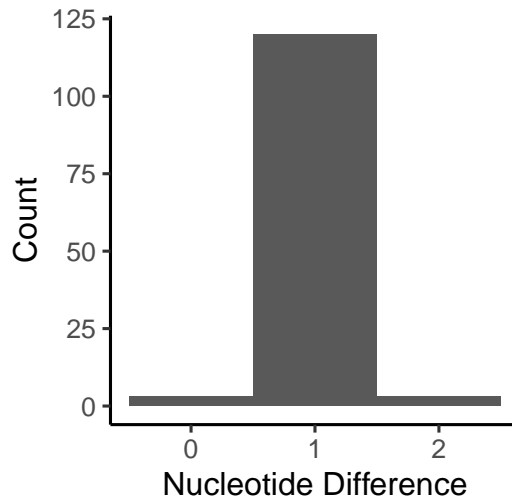
TRBV6-56*ap01

9063 sequences assigned
8925 (98.5%) exact matches, in which:
8690 unique CDR3
13 unique J



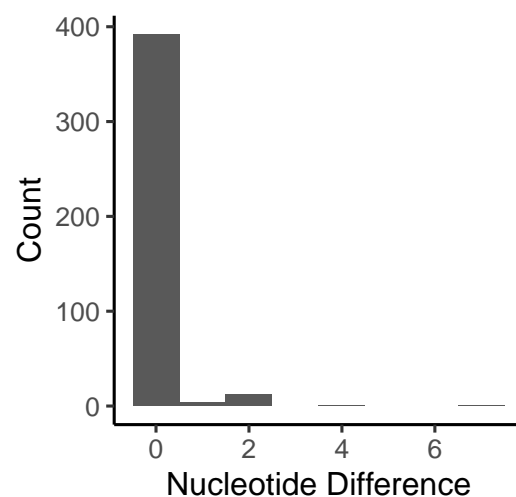
TRBV7-1*ap01_T296C_()

126 sequences assigned
3 (2.4%) exact matches, in which:
3 unique CDR3
2 unique J



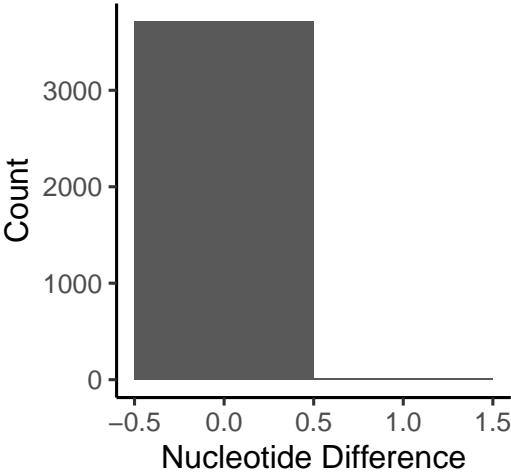
TRBV7-4*ap01

410 sequences assigned
392 (95.6%) exact matches, in which:
388 unique CDR3
13 unique J



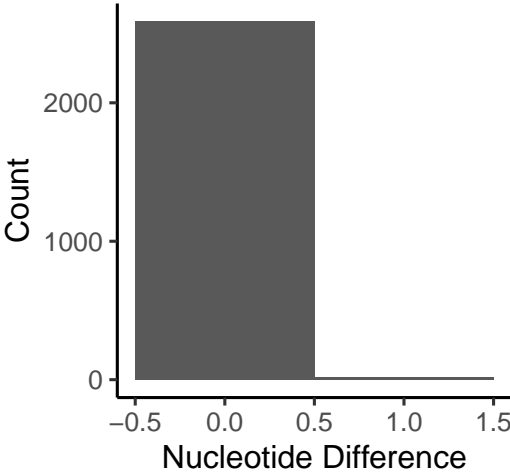
TRBV7-6*ap01

3733 sequences assigned
3714 (99.5%) exact matches, in which:
3644 unique CDR3
13 unique J



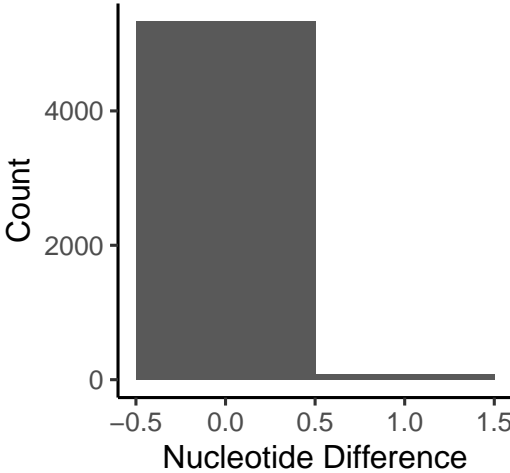
TRBV7-8*ap01

2605 sequences assigned
2588 (99.3%) exact matches, in which:
2550 unique CDR3
13 unique J



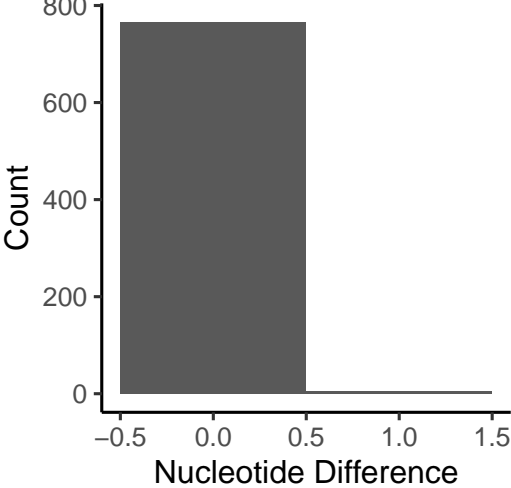
TRBV29-1*ap01

5416 sequences assigned
5332 (98.4%) exact matches, in which:
5154 unique CDR3
13 unique J



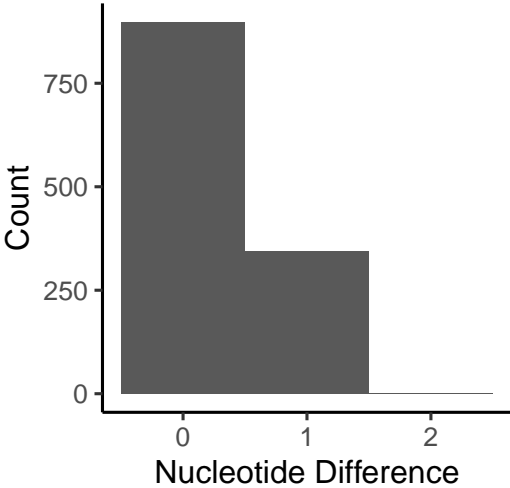
TRBV7-7*ap01

772 sequences assigned
766 (99.2%) exact matches, in which:
755 unique CDR3
13 unique J



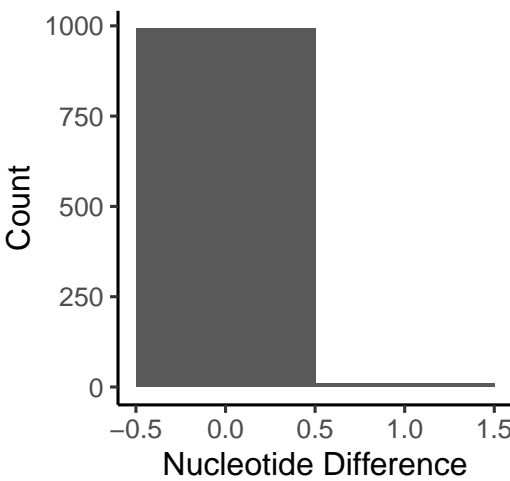
TRBV7-8*ap03

1244 sequences assigned
898 (72.2%) exact matches, in which:
891 unique CDR3
13 unique J



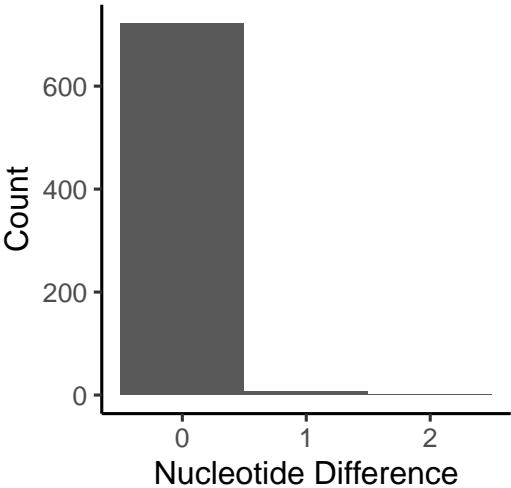
TRBV29-1*ap02

1002 sequences assigned
992 (99%) exact matches, in which:
971 unique CDR3
13 unique J



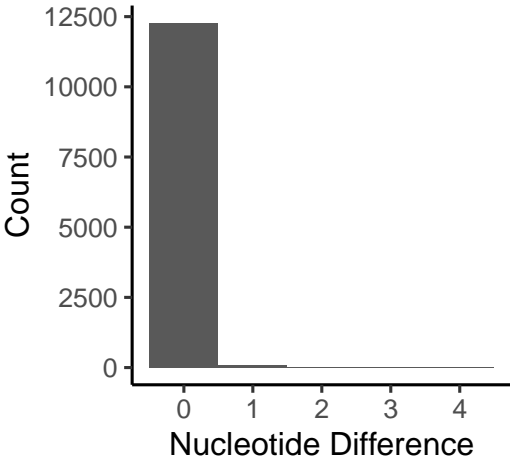
TRBV7-7*ap01_C315T

730 sequences assigned
722 (98.9%) exact matches, in which:
716 unique CDR3
13 unique J

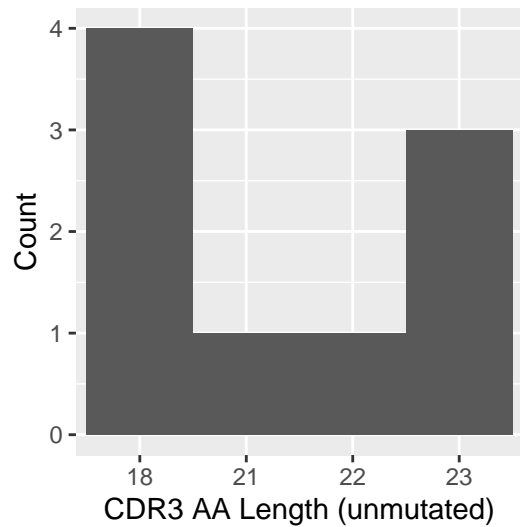


TRBV7-9*ap01

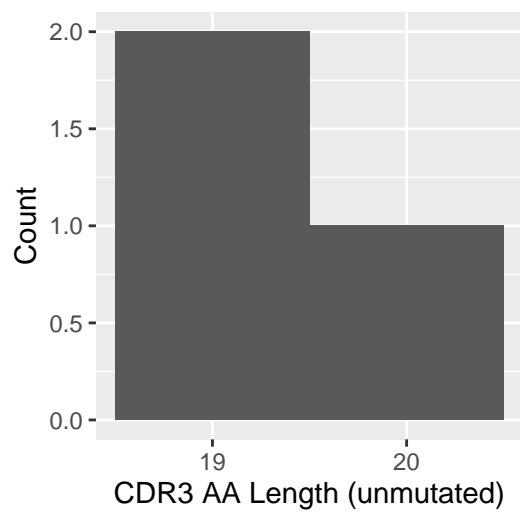
12372 sequences assigned
12281 (99.3%) exact matches, in which:
12091 unique CDR3
13 unique J



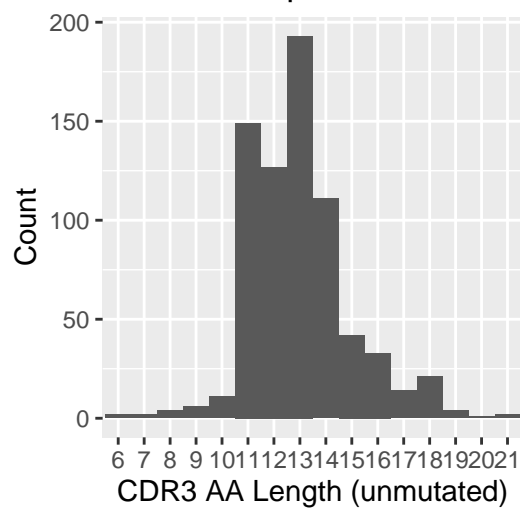
TRBV7-1*ap01_T296C



TRBV7-1*ap01_T296C_C314T



TRBV7-7*ap01_C315T





[illegible]