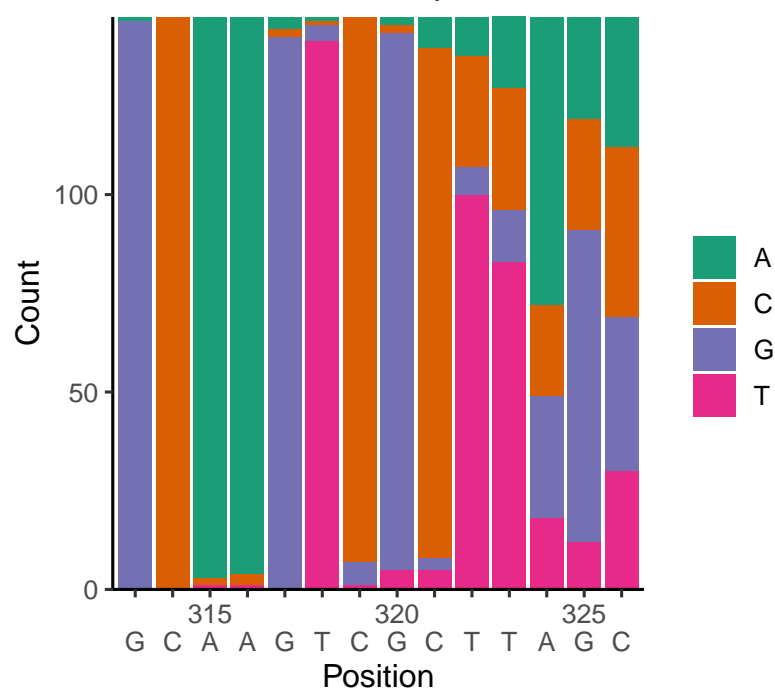
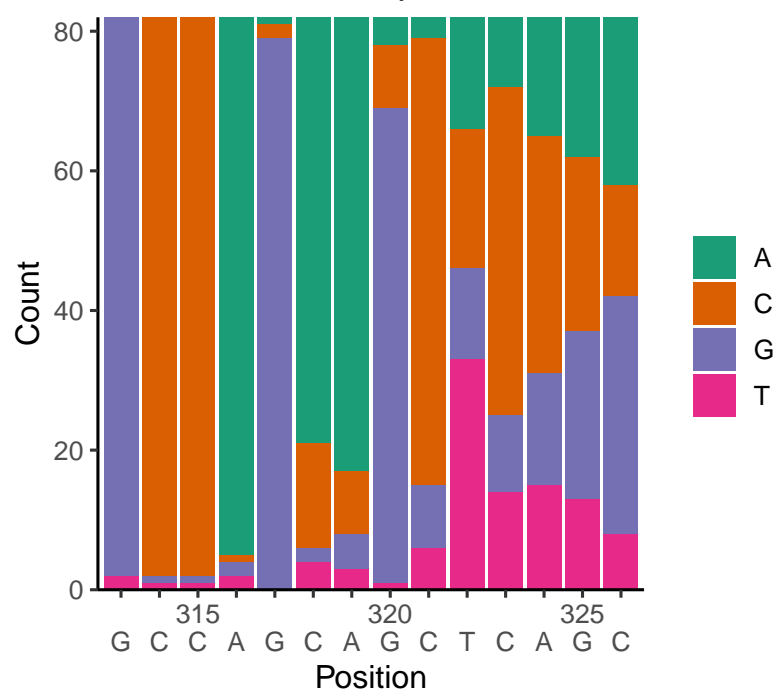


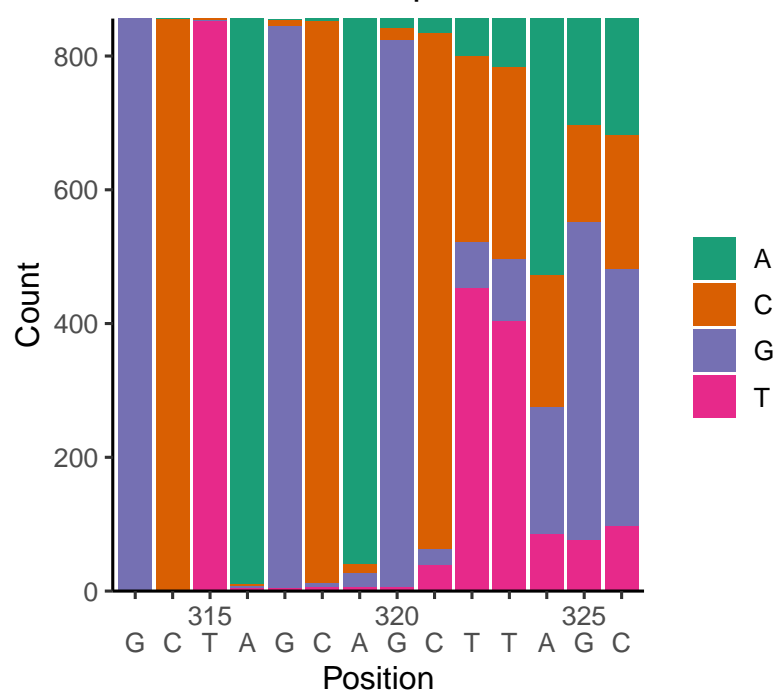
Gene TRBV12-2*ap01_G301A



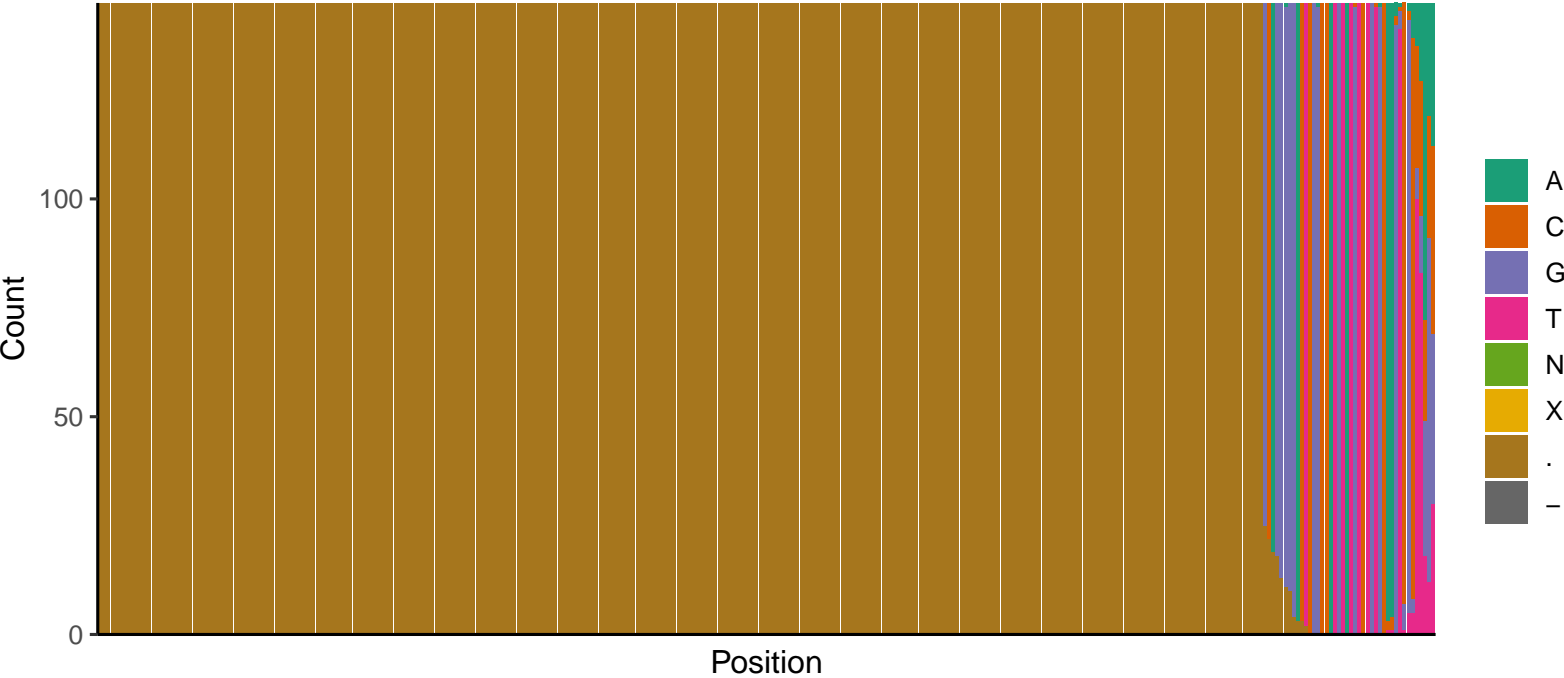
Gene TRBV7-1*ap01_T296C



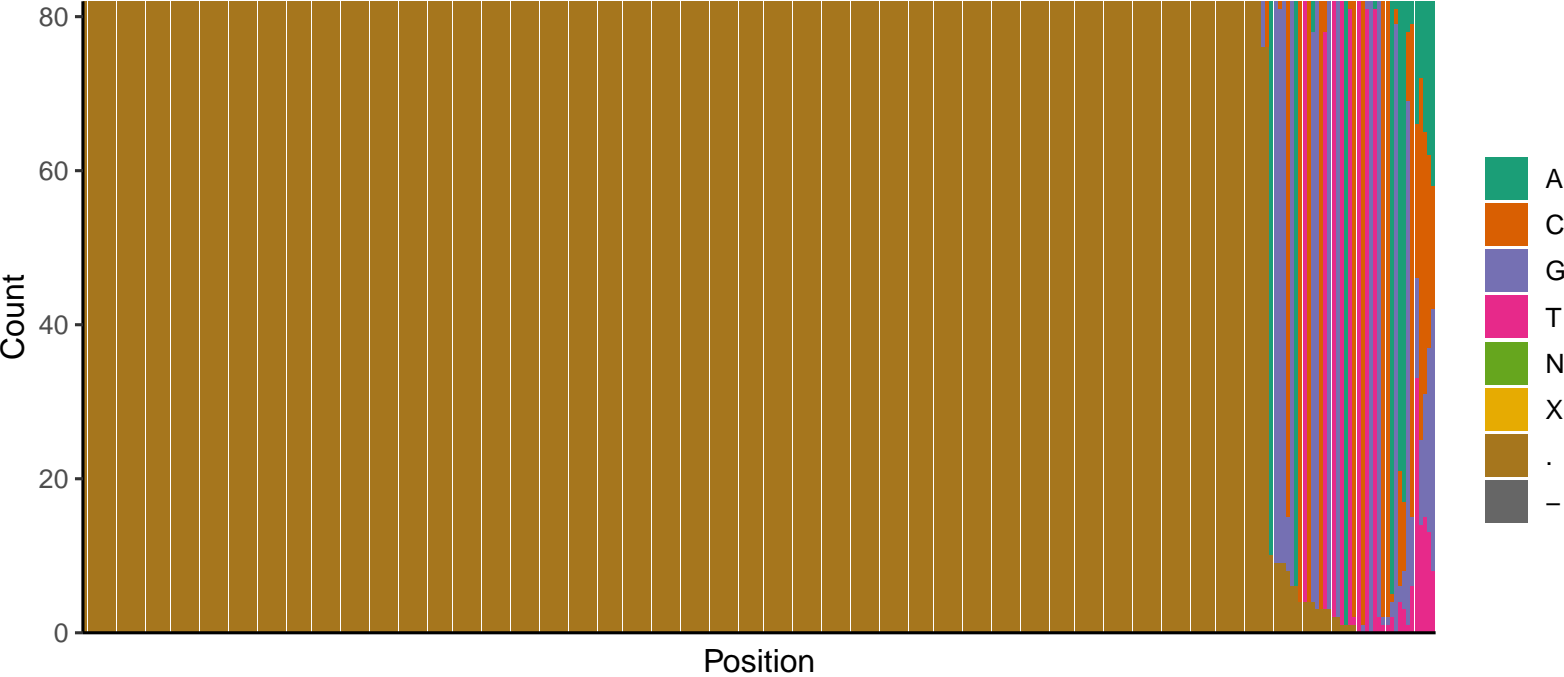
Gene TRBV7-7*ap01_C315T



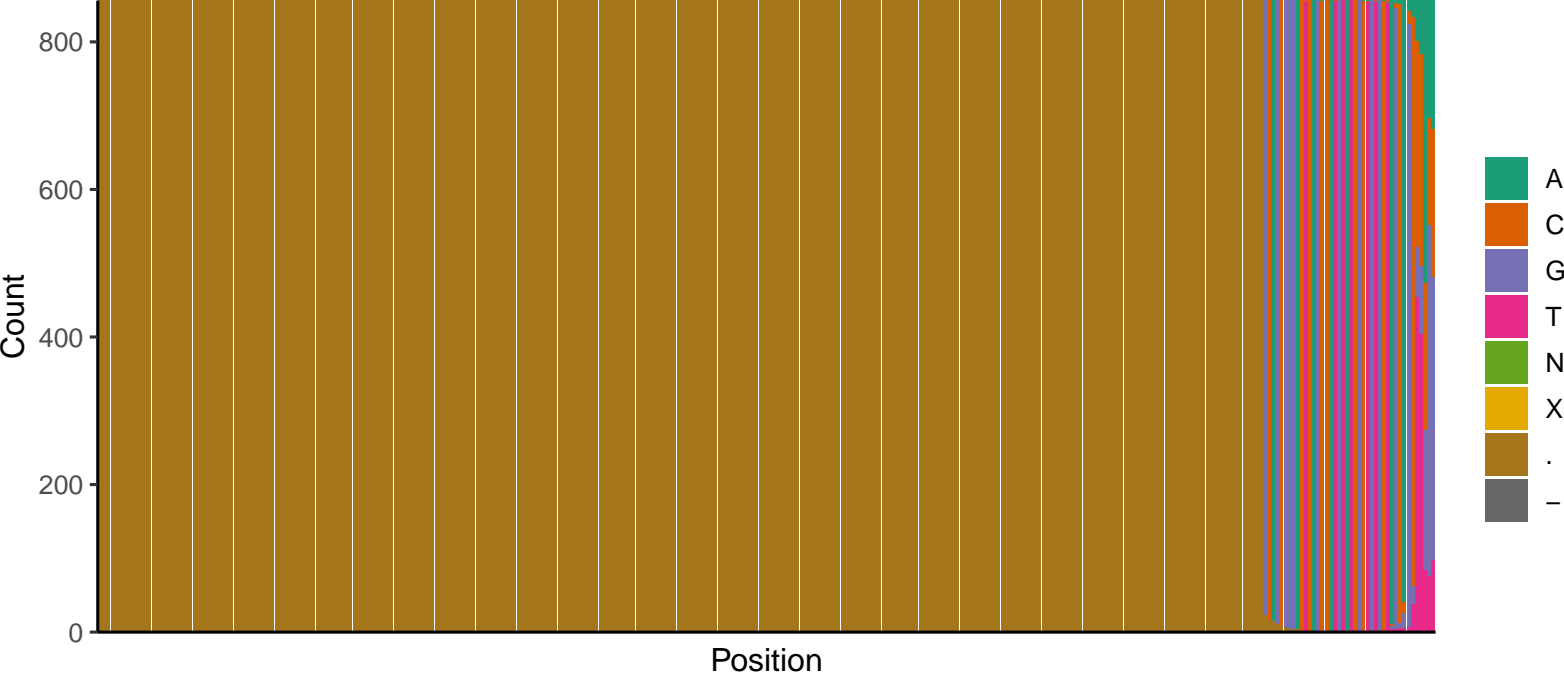
Gene TRBV12-2*ap01_G301A



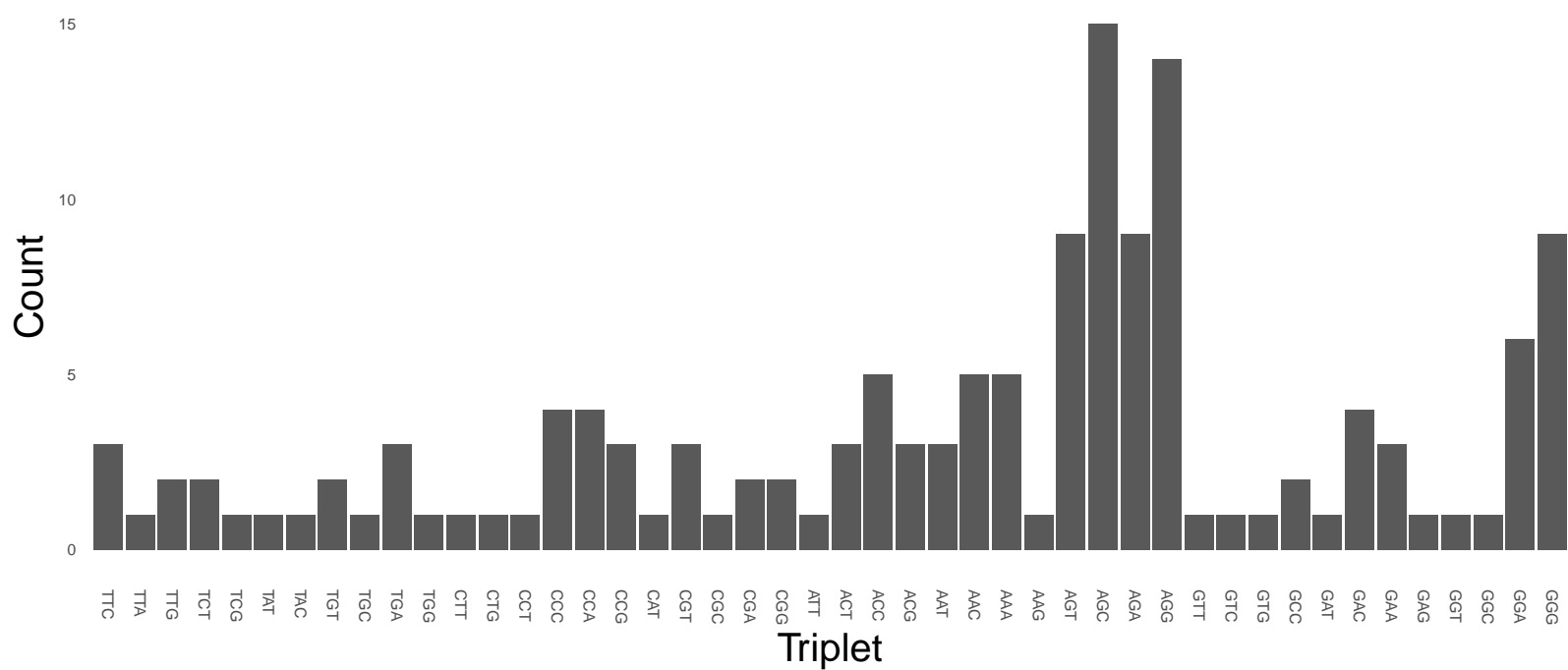
Gene TRBV7-1*ap01_T296C



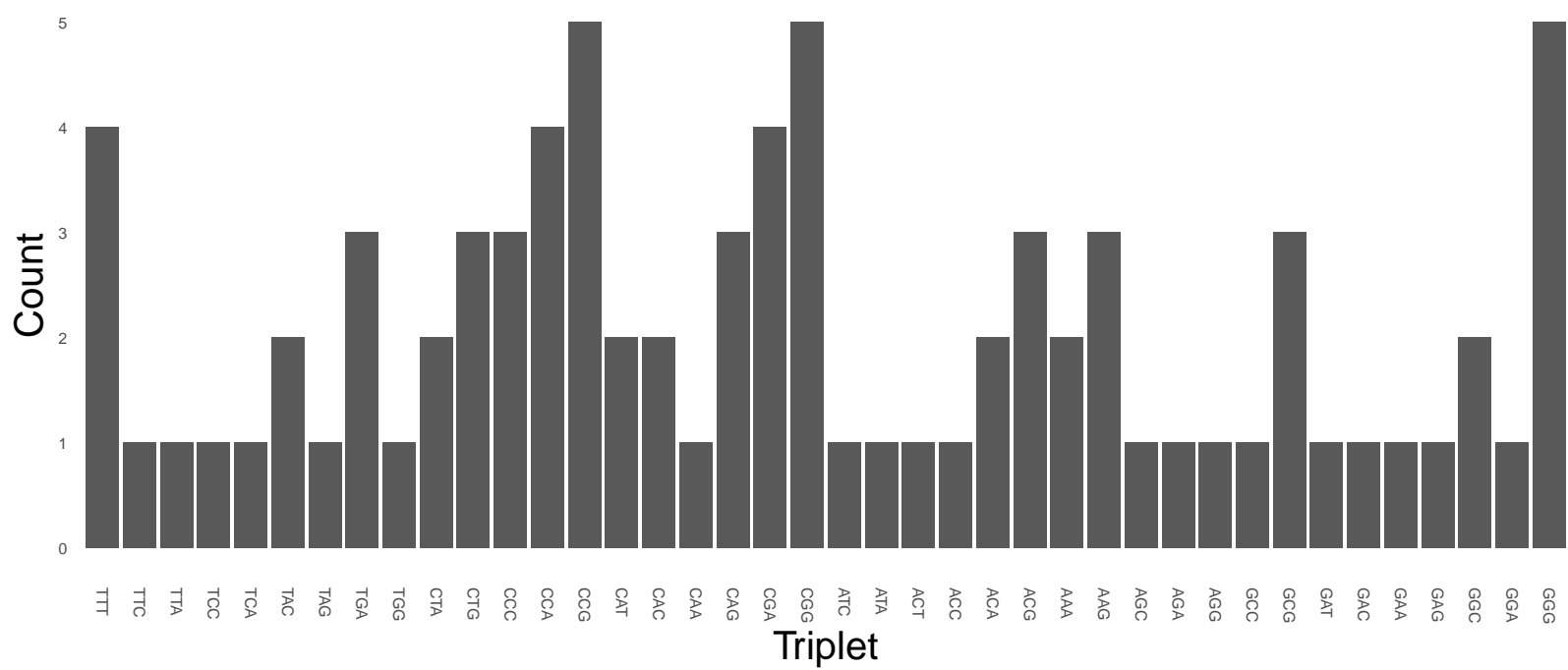
Gene TRBV7-7*ap01_C315T



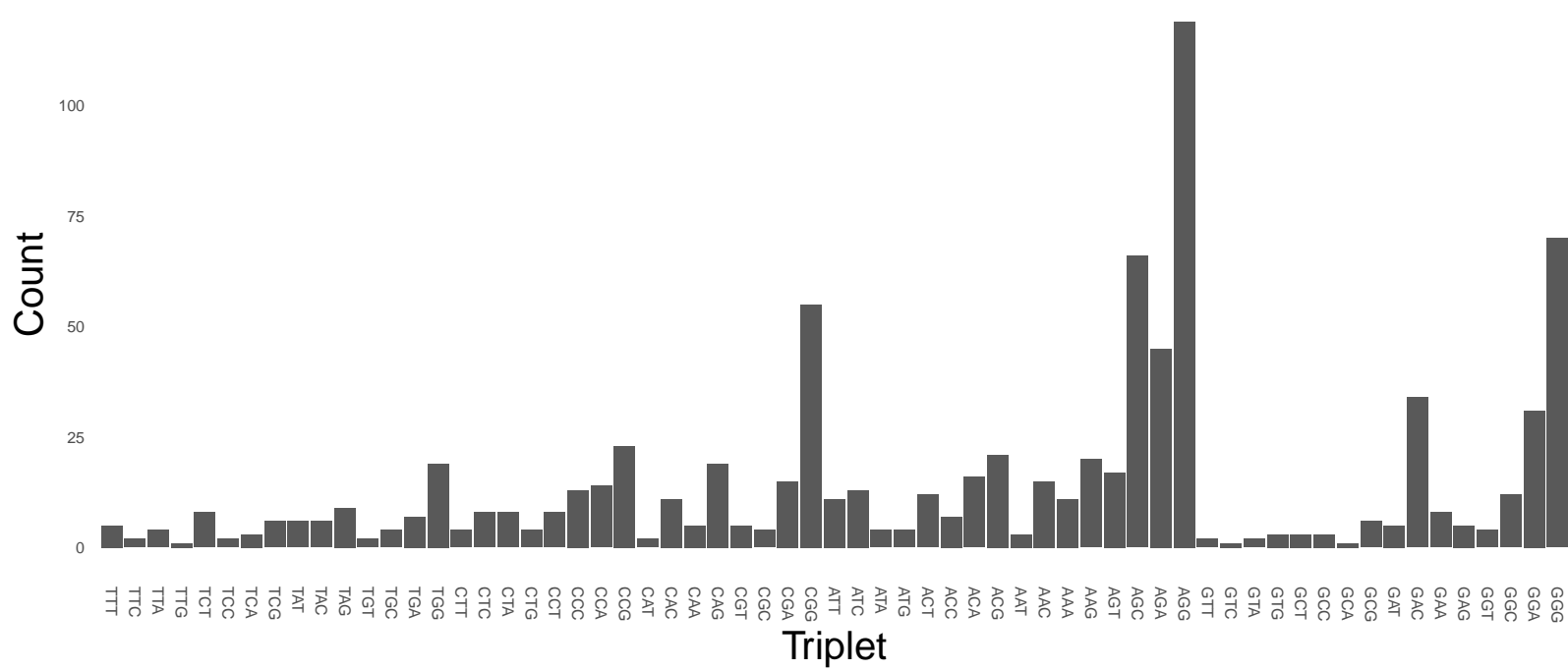
TRBV12-2*ap01_G301A- Final 3 nucleotides as a triplet



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

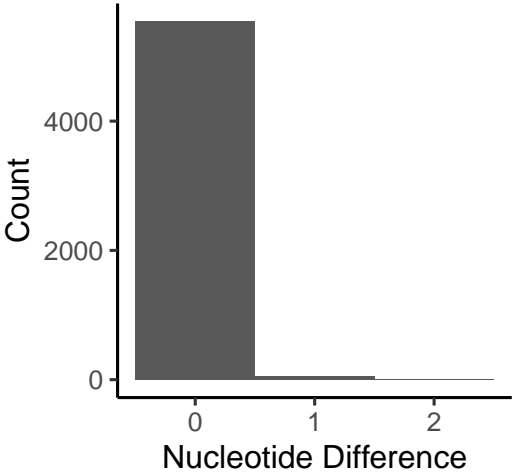


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



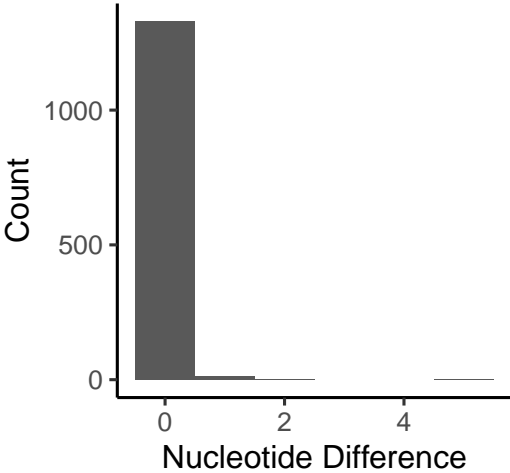
TRBV20-1*ap01

5606 sequences assigned
5543 (98.9%) exact matches, in which:
5458 unique CDR3
13 unique J



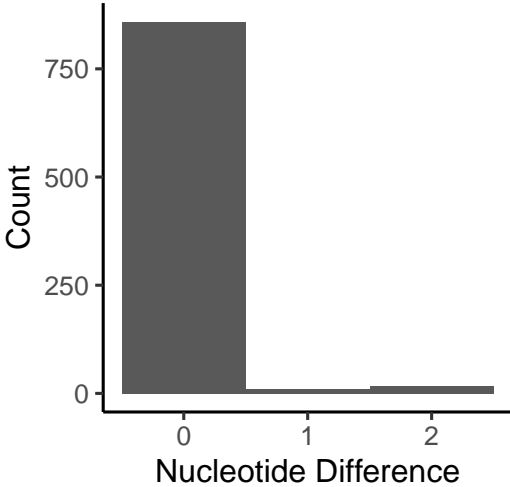
TRBV10-2*ap01

1343 sequences assigned
1329 (99%) exact matches, in which:
1288 unique CDR3
13 unique J



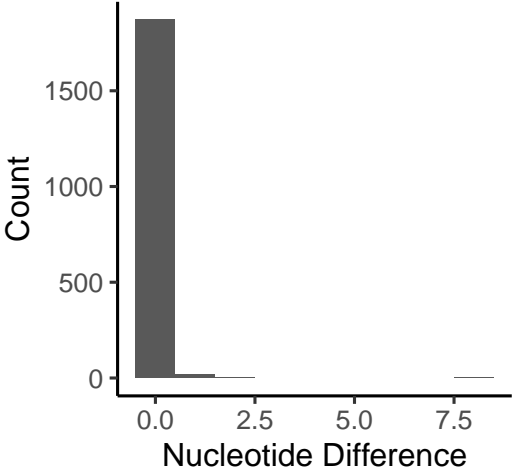
TRBV13*ap01

887 sequences assigned
859 (96.8%) exact matches, in which:
841 unique CDR3
13 unique J



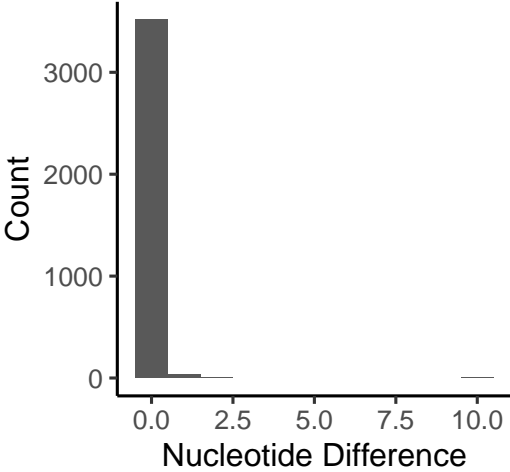
TRBV10-1*ap01

1889 sequences assigned
1871 (99%) exact matches, in which:
1822 unique CDR3
13 unique J



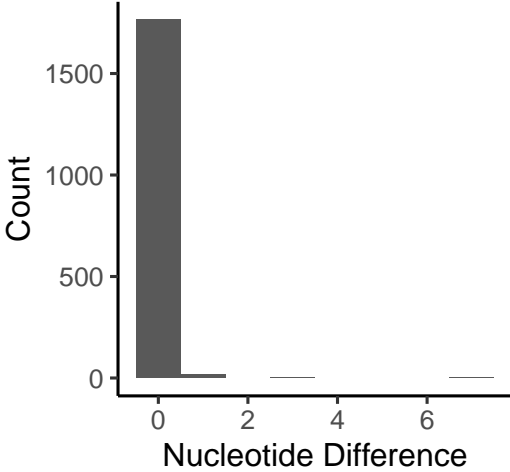
TRBV10-3*ap01

3557 sequences assigned
3516 (98.8%) exact matches, in which:
3439 unique CDR3
13 unique J



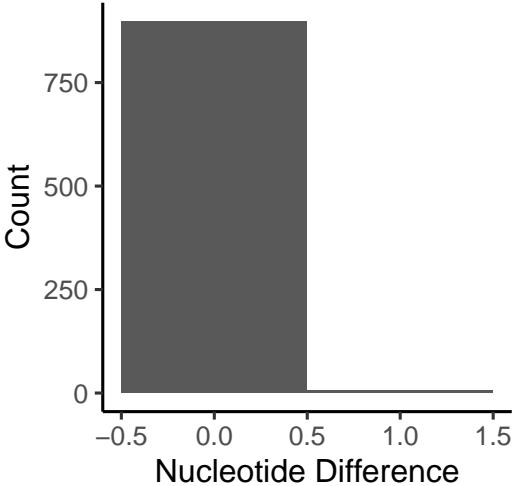
TRBV14*ap01

1783 sequences assigned
1765 (99%) exact matches, in which:
1734 unique CDR3
13 unique J



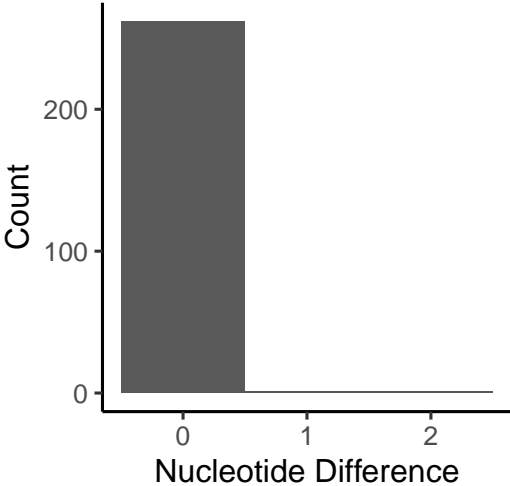
TRBV20-1*ap02

905 sequences assigned
898 (99.2%) exact matches, in which:
887 unique CDR3
13 unique J



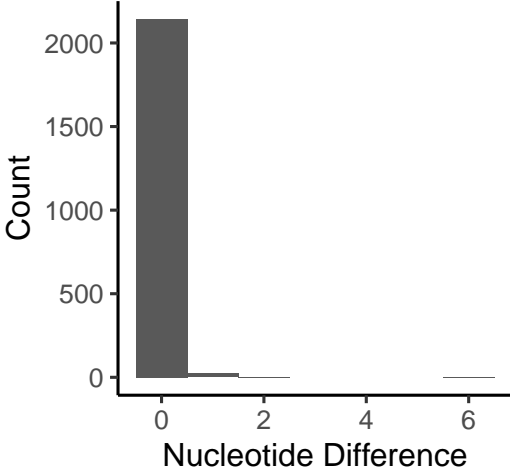
TRBV1*ap01

264 sequences assigned
262 (99.2%) exact matches, in which:
253 unique CDR3
13 unique J



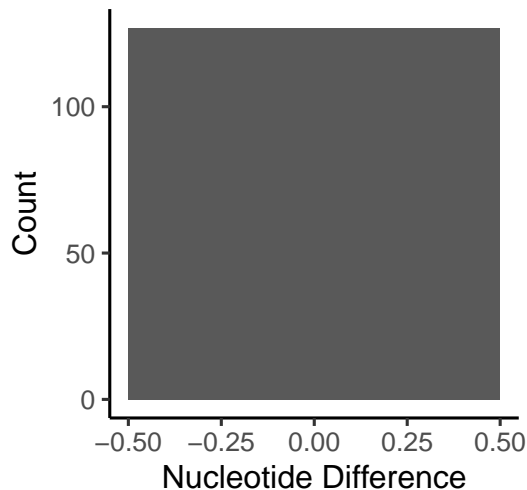
TRBV15*ap02

2169 sequences assigned
2143 (98.8%) exact matches, in which:
2102 unique CDR3
13 unique J



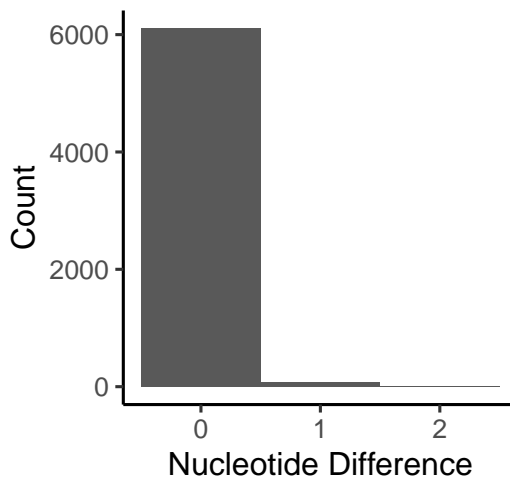
TRBV16*ap01

127 sequences assigned
127 (100%) exact matches, in which:
126 unique CDR3
13 unique J



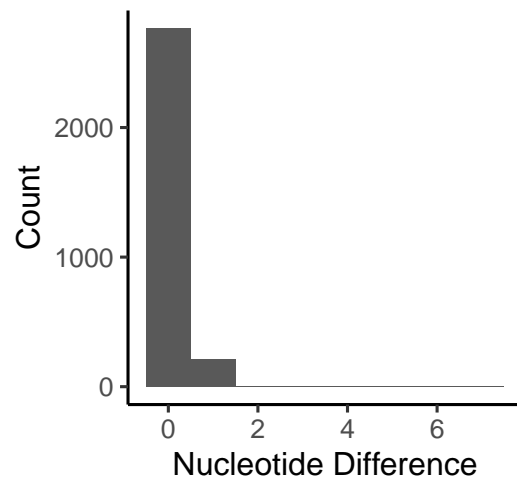
TRBV2*ap01

6180 sequences assigned
6106 (98.8%) exact matches, in which:
5995 unique CDR3
13 unique J



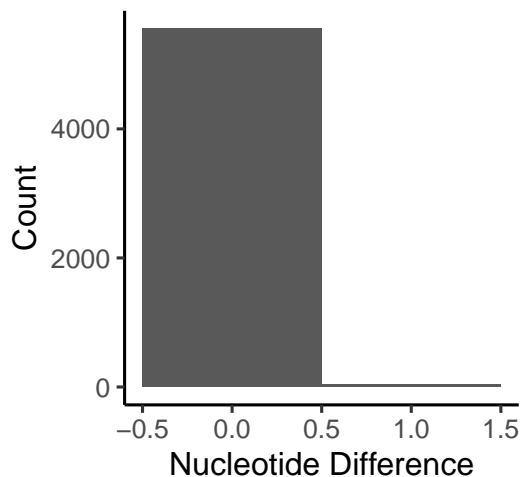
TRBV30*ap01

2989 sequences assigned
2765 (92.5%) exact matches, in which:
2730 unique CDR3
13 unique J



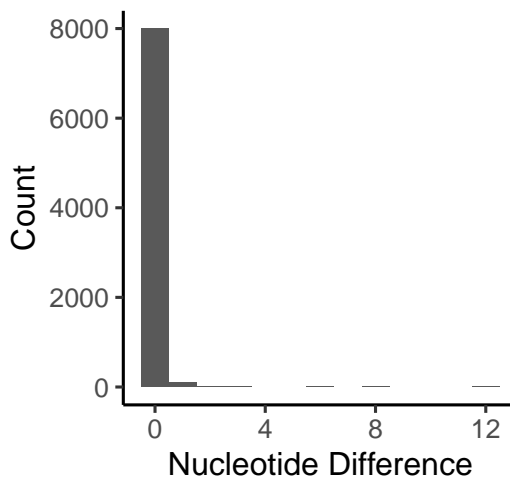
TRBV18*ap01

5598 sequences assigned
5552 (99.2%) exact matches, in which:
5461 unique CDR3
13 unique J



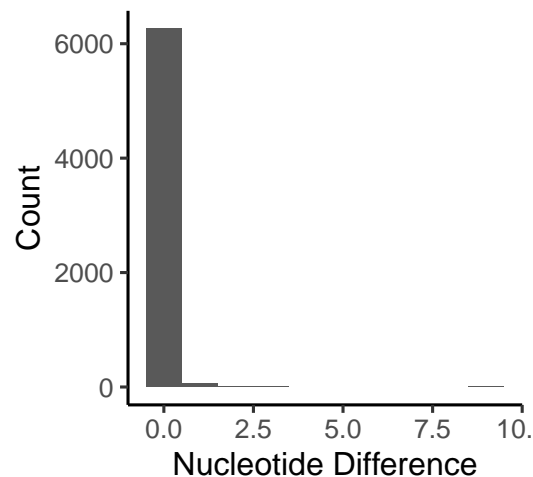
TRBV27*ap01

8115 sequences assigned
7996 (98.5%) exact matches, in which:
7820 unique CDR3
13 unique J



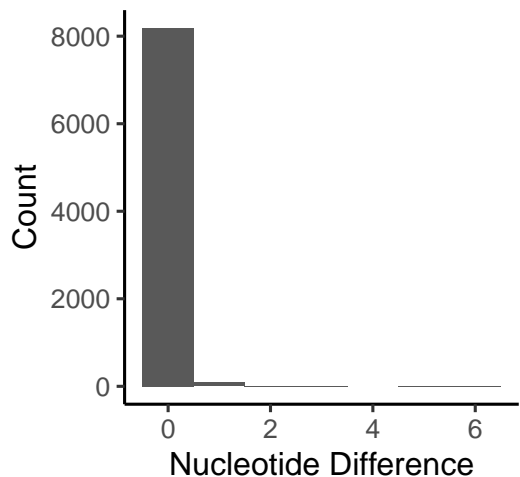
TRBV9*ap01

6323 sequences assigned
6262 (99%) exact matches, in which:
6120 unique CDR3
13 unique J



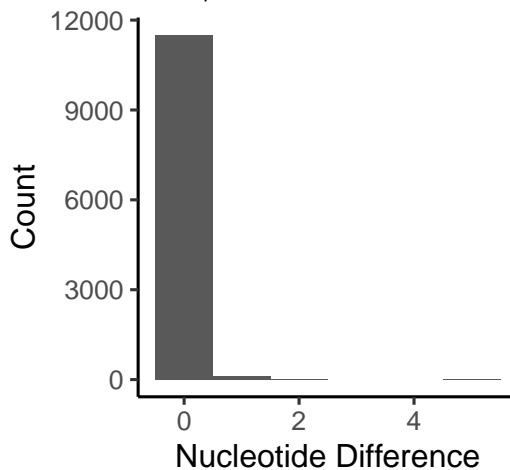
TRBV19*ap01

8280 sequences assigned
8186 (98.9%) exact matches, in which:
8075 unique CDR3
13 unique J



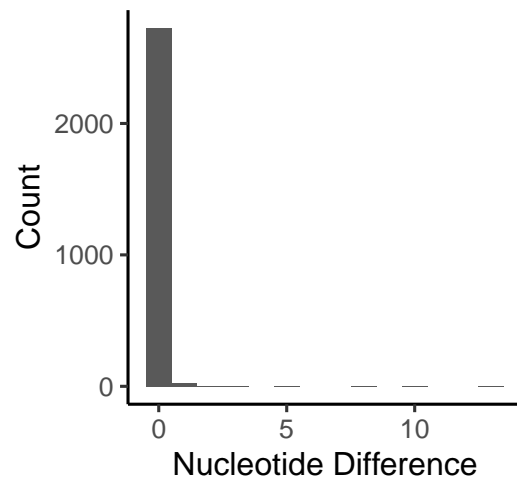
TRBV28*ap01

11631 sequences assigned
11510 (99%) exact matches, in which:
11290 unique CDR3
14 unique J



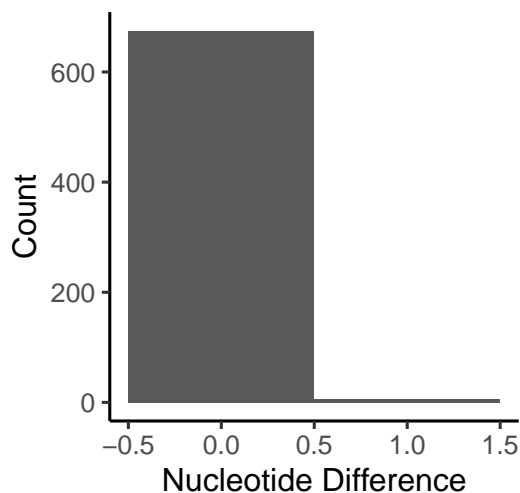
TRBV21-1*ap01

2763 sequences assigned
2726 (98.7%) exact matches, in which:
2680 unique CDR3
13 unique J



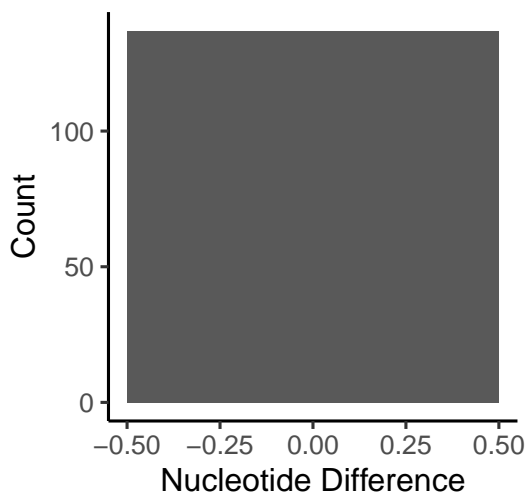
TRBV11-1*ap01

681 sequences assigned
675 (99.1%) exact matches, in which:
659 unique CDR3
13 unique J



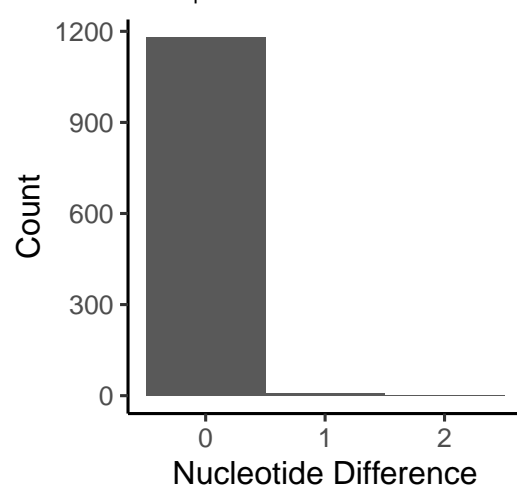
TRBV12-1*ap01

137 sequences assigned
137 (100%) exact matches, in which:
134 unique CDR3
12 unique J



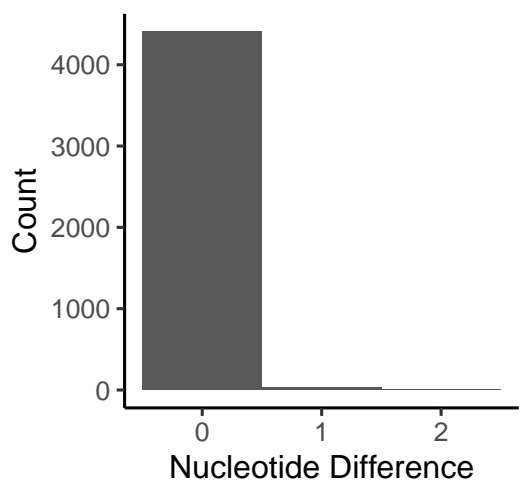
TRBV12-5*ap01

1190 sequences assigned
1180 (99.2%) exact matches, in which:
1149 unique CDR3
13 unique J



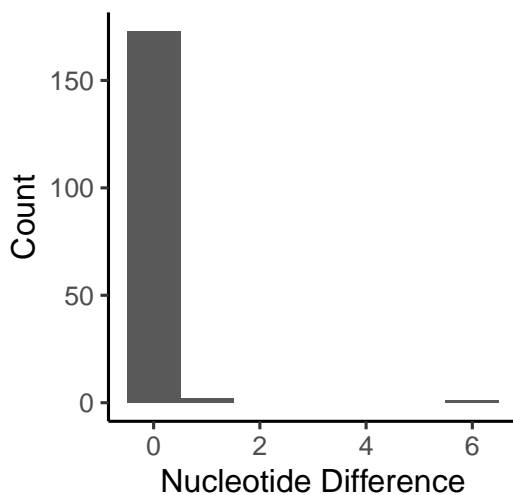
TRBV11-2*ap01

4440 sequences assigned
4406 (99.2%) exact matches, in which:
4309 unique CDR3
13 unique J



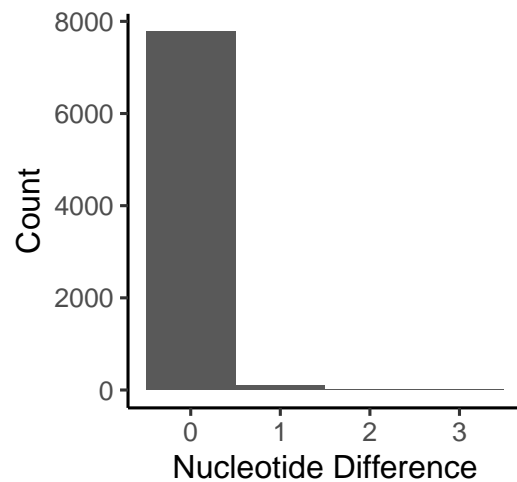
TRBV12-2*ap01

176 sequences assigned
173 (98.3%) exact matches, in which:
167 unique CDR3
13 unique J



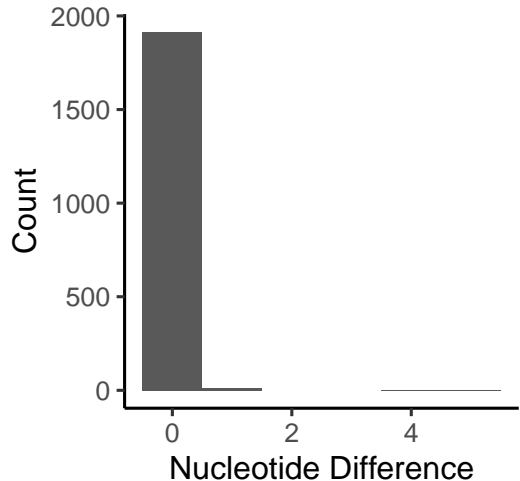
TRBV12-34*ap01

7869 sequences assigned
7775 (98.8%) exact matches, in which:
7612 unique CDR3
13 unique J



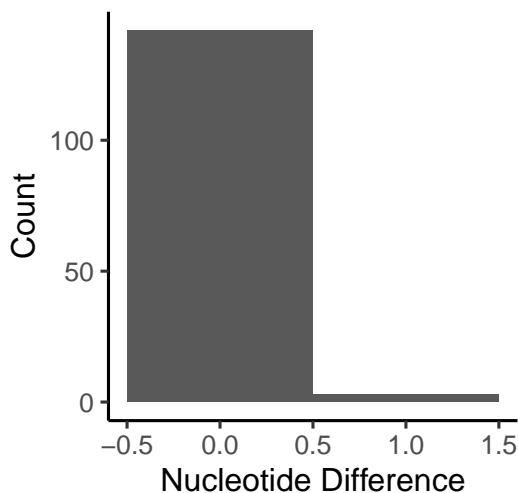
TRBV11-3*ap01

1930 sequences assigned
1914 (99.2%) exact matches, in which:
1872 unique CDR3
13 unique J



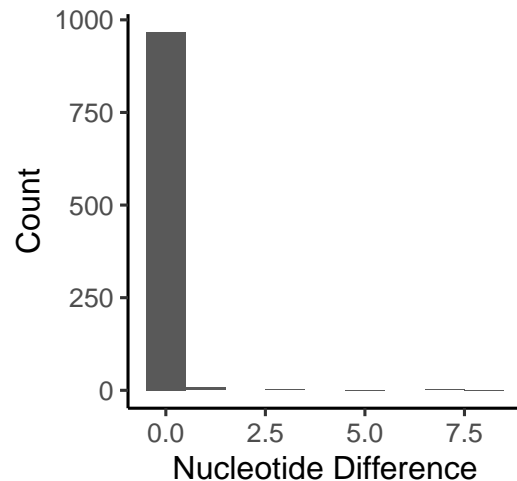
TRBV12-2*ap01_G301A

145 sequences assigned
142 (97.9%) exact matches, in which:
140 unique CDR3
13 unique J



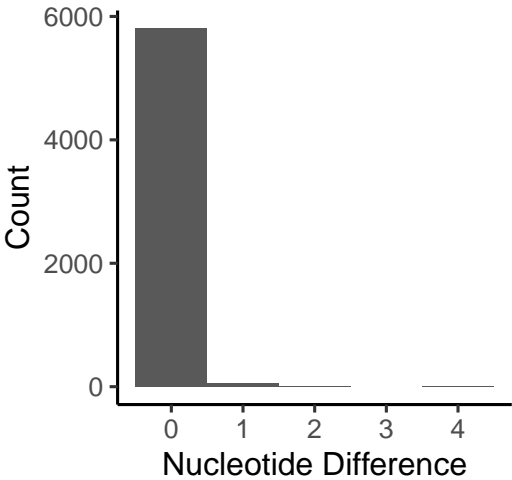
TRBV23-1*ap01

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



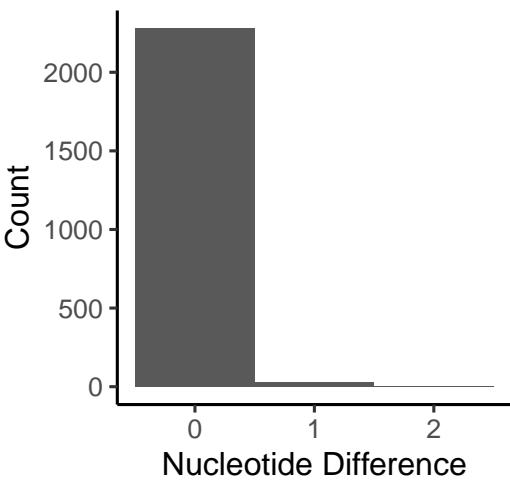
TRBV3-12*ap01

5871 sequences assigned
5806 (98.9%) exact matches, in which:
5701 unique CDR3
13 unique J



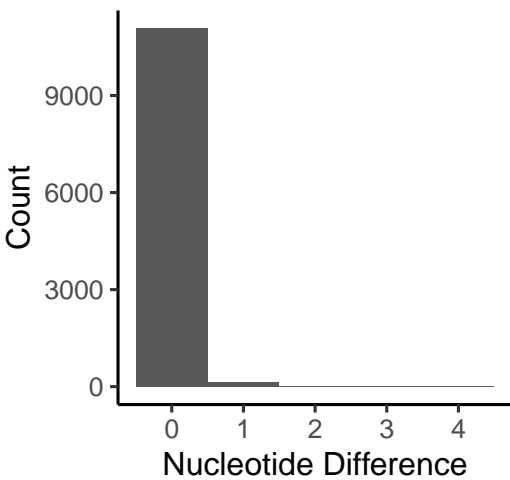
TRBV4-2*ap01

2310 sequences assigned
2279 (98.7%) exact matches, in which:
2239 unique CDR3
13 unique J



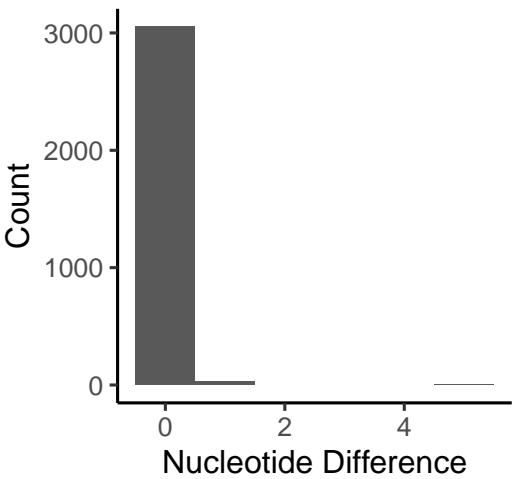
TRBV5-1*ap01

11214 sequences assigned
11075 (98.8%) exact matches, in which:
10796 unique CDR3
13 unique J



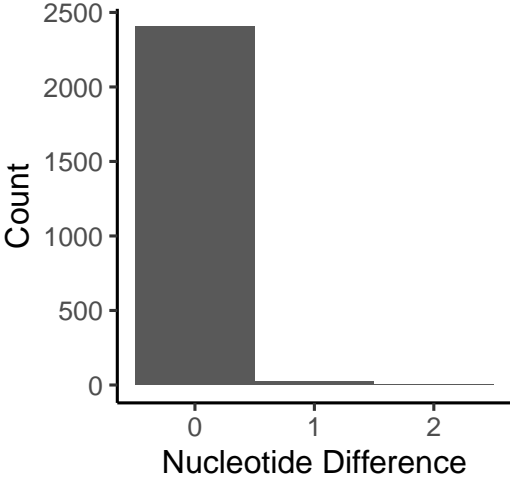
TRBV4-1*ap01

3087 sequences assigned
3053 (98.9%) exact matches, in which:
2992 unique CDR3
13 unique J



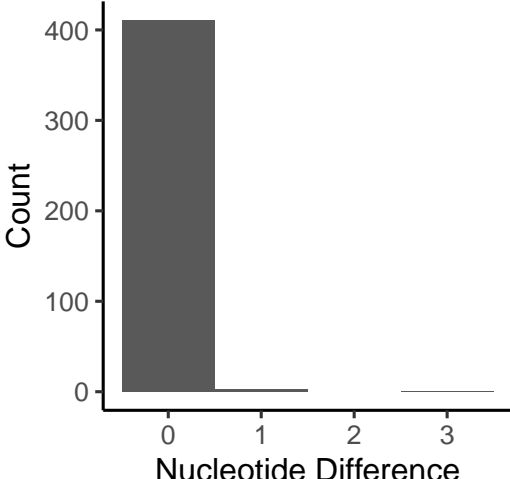
TRBV4-3*ap01

2430 sequences assigned
2404 (98.9%) exact matches, in which:
2372 unique CDR3
13 unique J



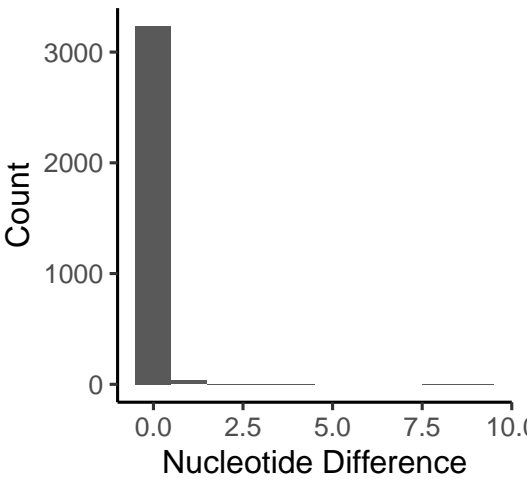
TRBV5-3*ap01

415 sequences assigned
411 (99%) exact matches, in which:
403 unique CDR3
13 unique J



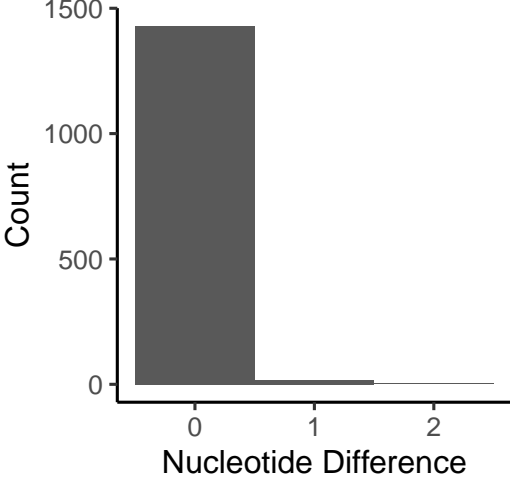
TRBV24-1*ap01

3277 sequences assigned
3235 (98.7%) exact matches, in which:
3190 unique CDR3
13 unique J



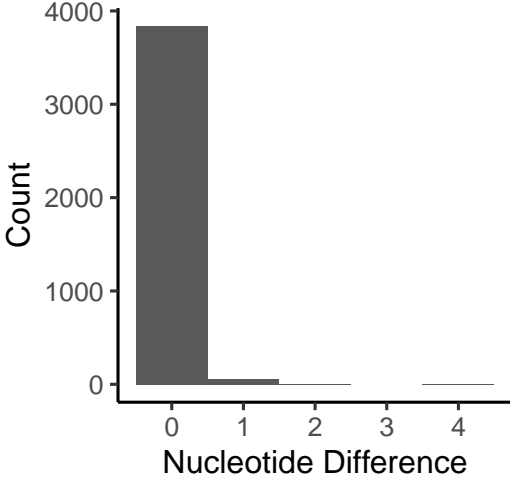
TRBV25-1*ap01

1449 sequences assigned
1429 (98.6%) exact matches, in which:
1405 unique CDR3
13 unique J



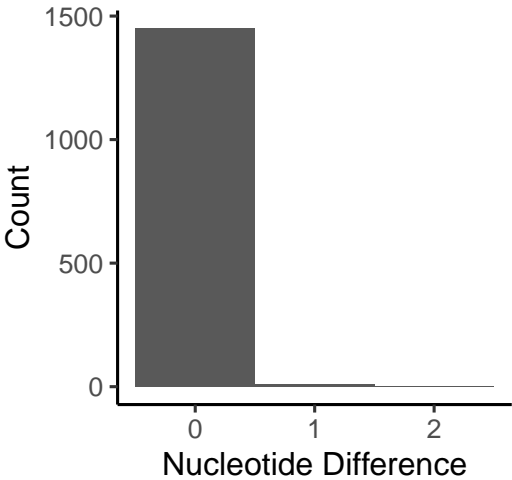
TRBV5-4*ap01

3900 sequences assigned
3838 (98.4%) exact matches, in which:
3747 unique CDR3
13 unique J



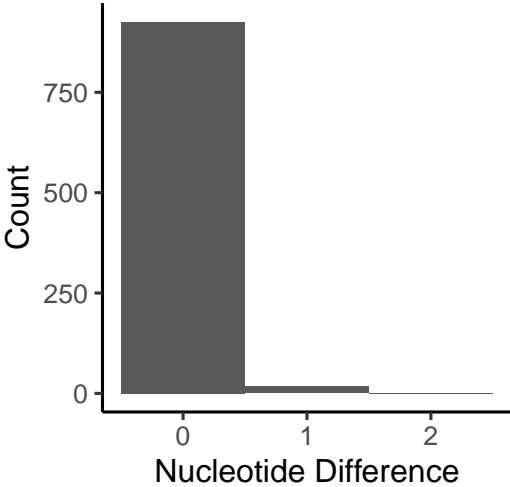
TRBV5-5*ap01

1462 sequences assigned
1450 (99.2%) exact matches, in which:
1438 unique CDR3
13 unique J



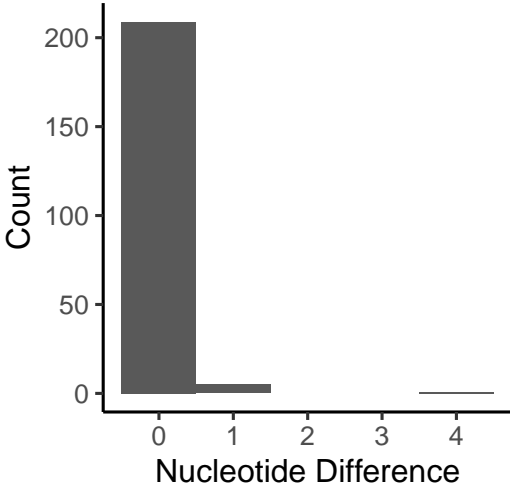
TRBV5-8*ap01

945 sequences assigned
926 (98%) exact matches, in which:
913 unique CDR3
13 unique J



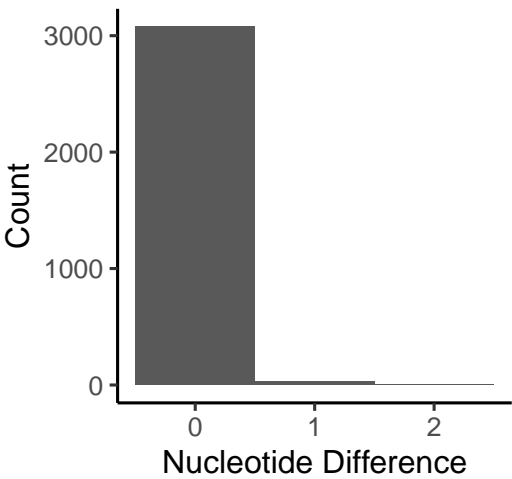
TRBV6-7*ap01

215 sequences assigned
209 (97.2%) exact matches, in which:
205 unique CDR3
13 unique J



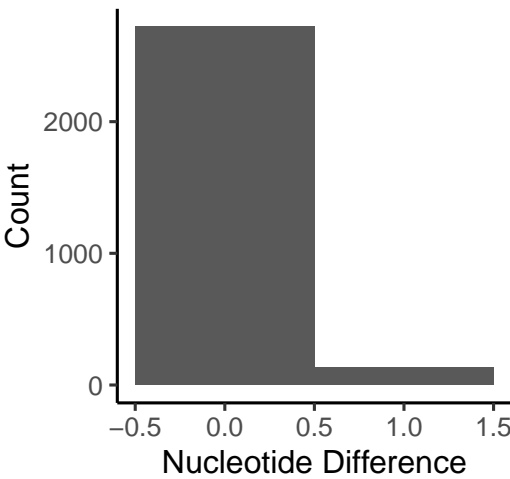
TRBV5-6*ap01

3107 sequences assigned
3077 (99%) exact matches, in which:
3011 unique CDR3
13 unique J



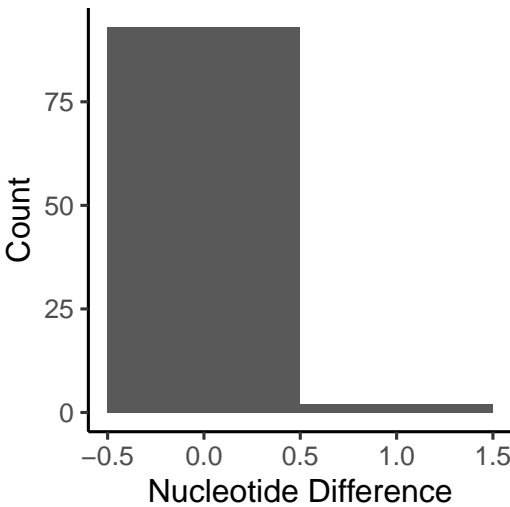
TRBV6-1*ap01

2852 sequences assigned
2721 (95.4%) exact matches, in which:
2660 unique CDR3
13 unique J



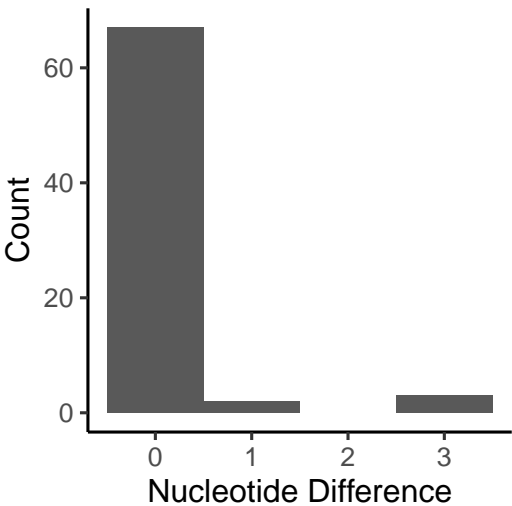
TRBV6-8*ap01

95 sequences assigned
93 (97.9%) exact matches, in which:
90 unique CDR3
13 unique J



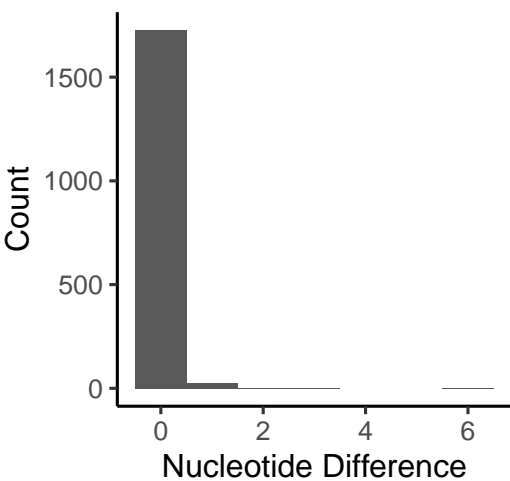
TRBV5-7*ap01

72 sequences assigned
67 (93.1%) exact matches, in which:
66 unique CDR3
11 unique J



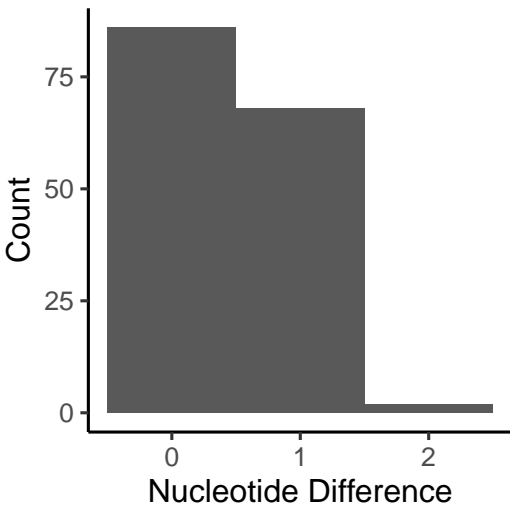
TRBV6-4*ap01

1760 sequences assigned
1727 (98.1%) exact matches, in which:
1701 unique CDR3
13 unique J



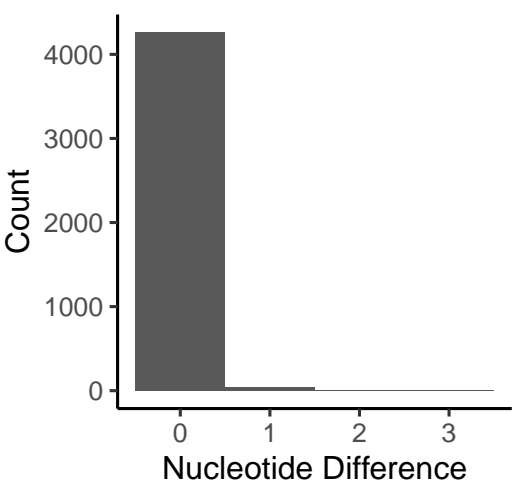
TRBV6-9*ap01

156 sequences assigned
86 (55.1%) exact matches, in which:
83 unique CDR3
13 unique J



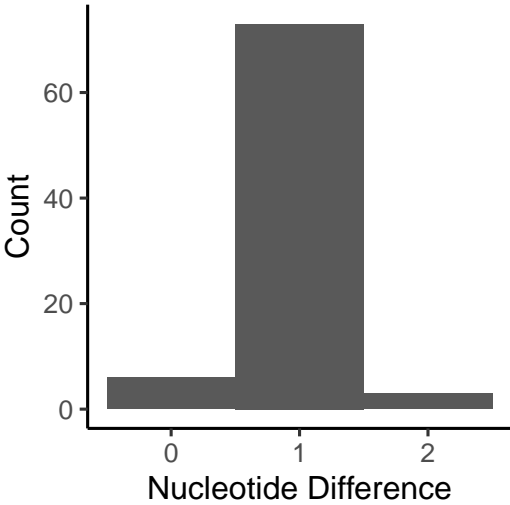
TRBV6-23*ap01

4309 sequences assigned
4261 (98.9%) exact matches, in which:
4182 unique CDR3
13 unique J



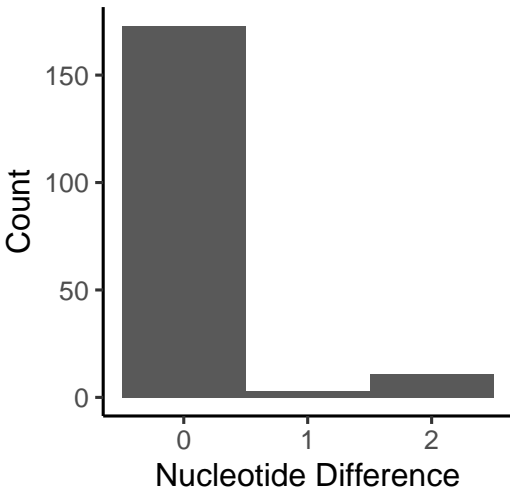
TRBV7-1*ap01_T296C

82 sequences assigned
6 (7.3%) exact matches, in which:
6 unique CDR3
6 unique J



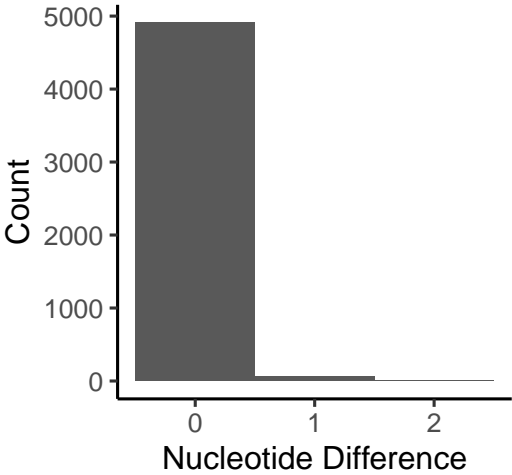
TRBV7-4*ap01

187 sequences assigned
173 (92.5%) exact matches, in which:
166 unique CDR3
13 unique J



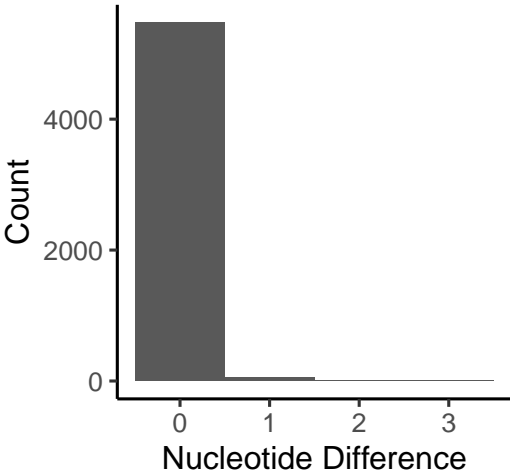
TRBV6-56*ap01

4975 sequences assigned
4909 (98.7%) exact matches, in which:
4798 unique CDR3
13 unique J



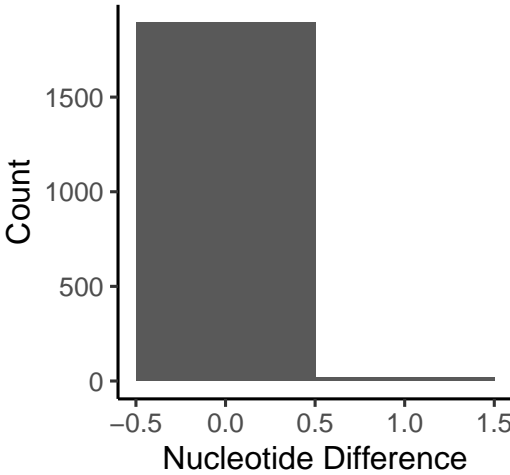
TRBV7-2*ap01

5530 sequences assigned
5473 (99%) exact matches, in which:
5385 unique CDR3
13 unique J



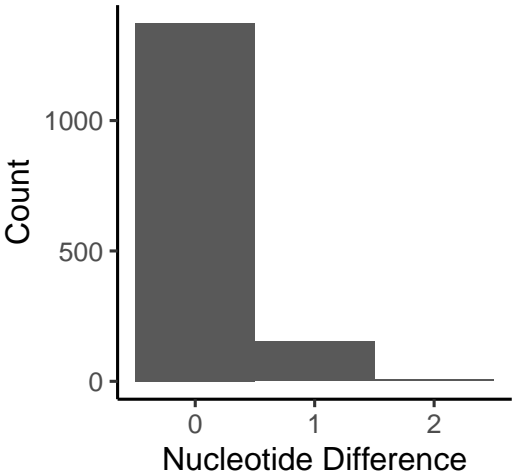
TRBV7-6*ap01

1912 sequences assigned
1893 (99%) exact matches, in which:
1845 unique CDR3
13 unique J



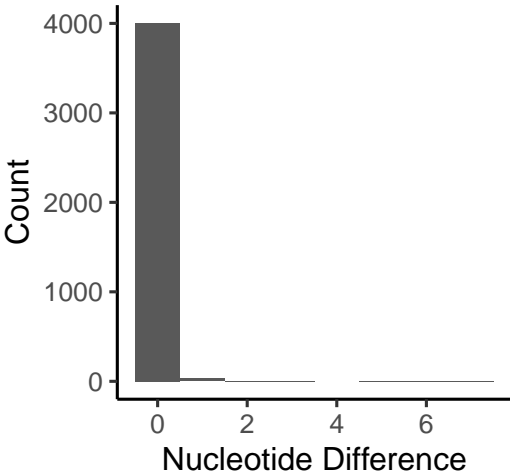
TRBV6-56*ap02

1534 sequences assigned
1374 (89.6%) exact matches, in which:
1346 unique CDR3
13 unique J



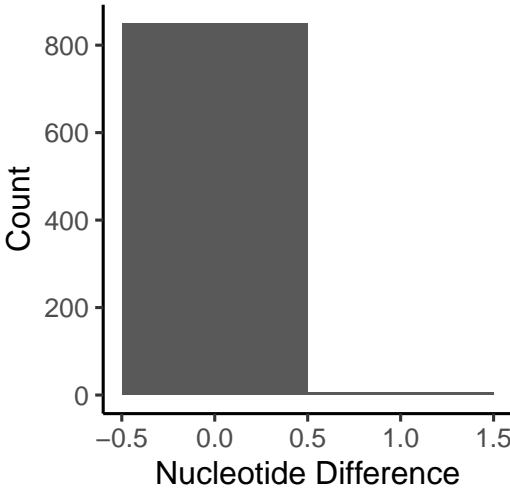
TRBV7-3*ap01

4043 sequences assigned
4004 (99%) exact matches, in which:
3940 unique CDR3
13 unique J



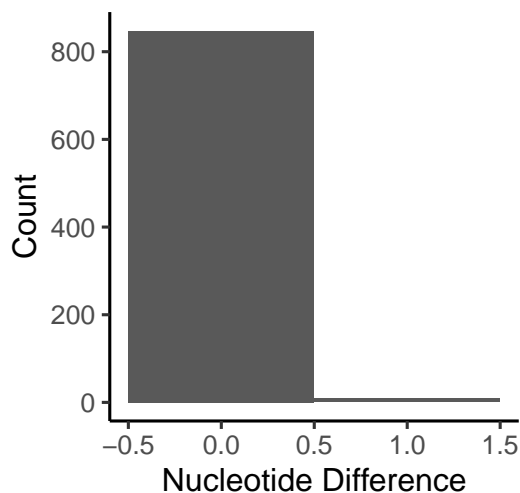
TRBV7-7*ap01_C315T

856 sequences assigned
850 (99.3%) exact matches, in which:
840 unique CDR3
13 unique J



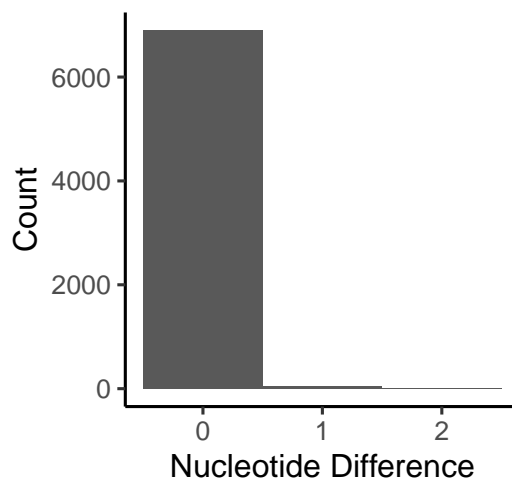
TRBV7-8*ap01

857 sequences assigned
848 (98.9%) exact matches, in which:
834 unique CDR3
13 unique J



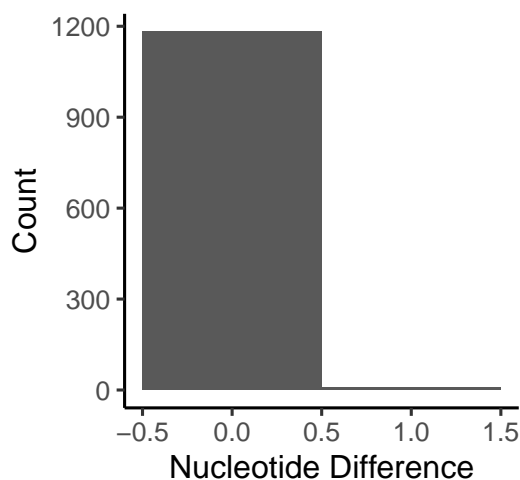
TRBV7-9*ap01

6953 sequences assigned
6898 (99.2%) exact matches, in which:
6798 unique CDR3
13 unique J



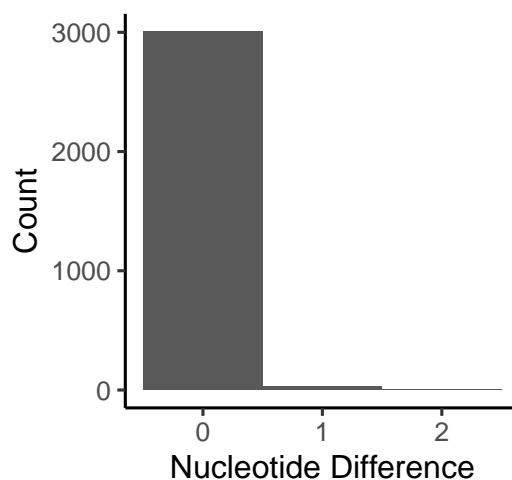
TRBV7-8*ap02

1189 sequences assigned
1182 (99.4%) exact matches, in which:
1141 unique CDR3
13 unique J



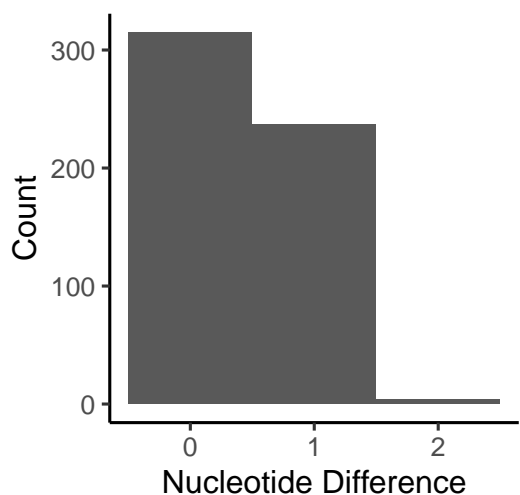
TRBV29-1*ap01

3038 sequences assigned
3005 (98.9%) exact matches, in which:
2955 unique CDR3
13 unique J



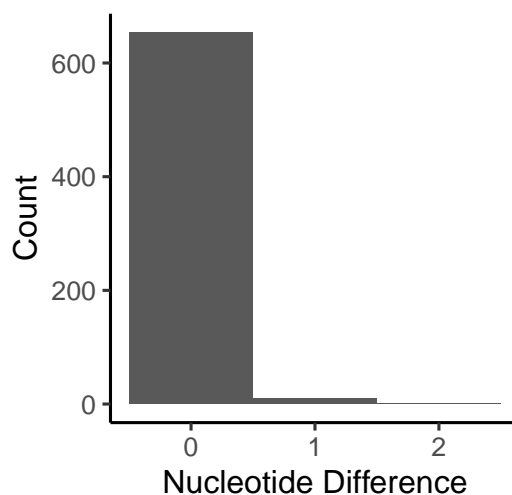
TRBV7-8*ap03

556 sequences assigned
315 (56.7%) exact matches, in which:
310 unique CDR3
13 unique J

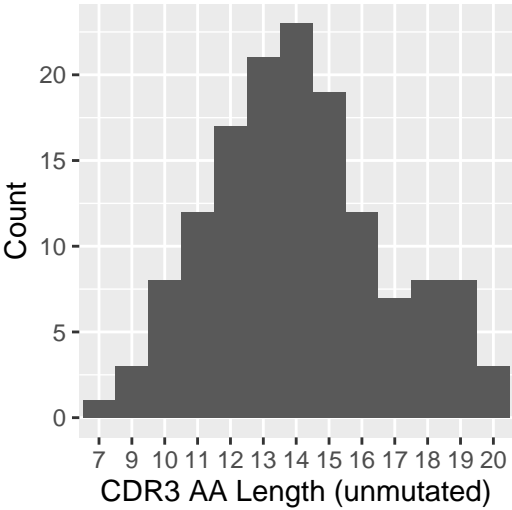


TRBV29-1*ap02

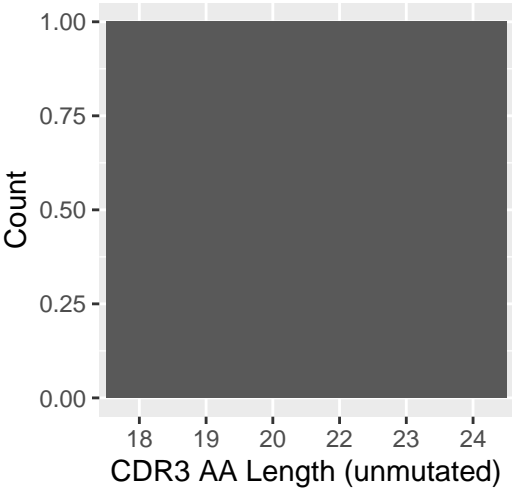
664 sequences assigned
654 (98.5%) exact matches, in which:
642 unique CDR3
13 unique J



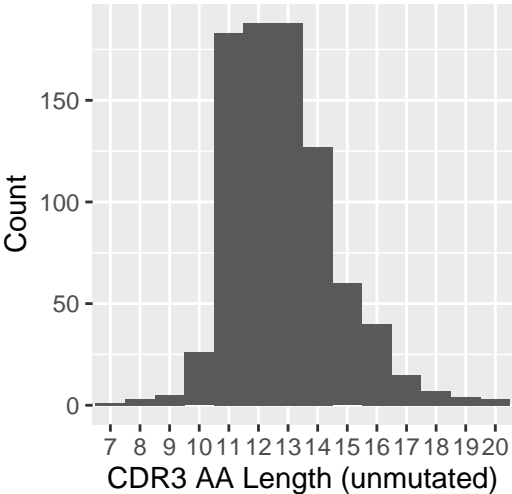
TRBV12-2*ap01_G301A



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]