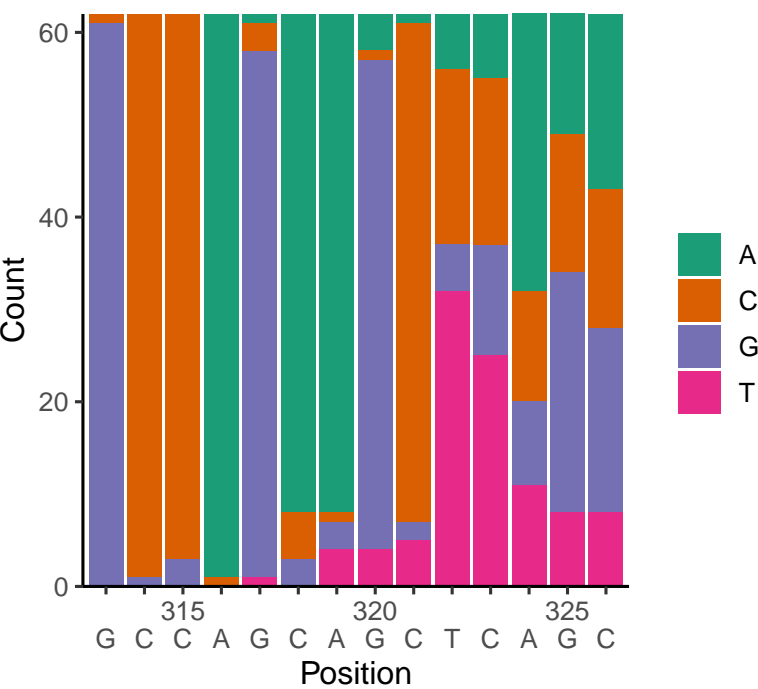
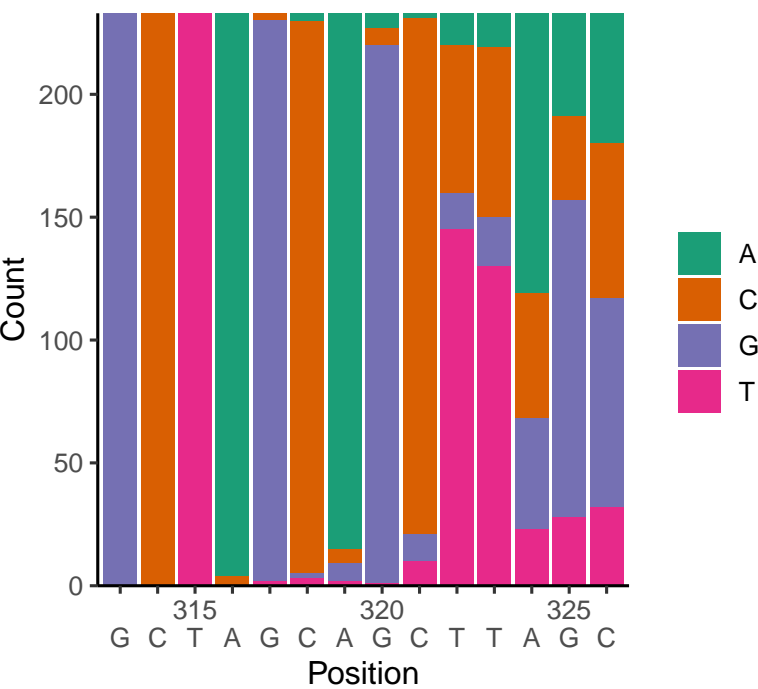


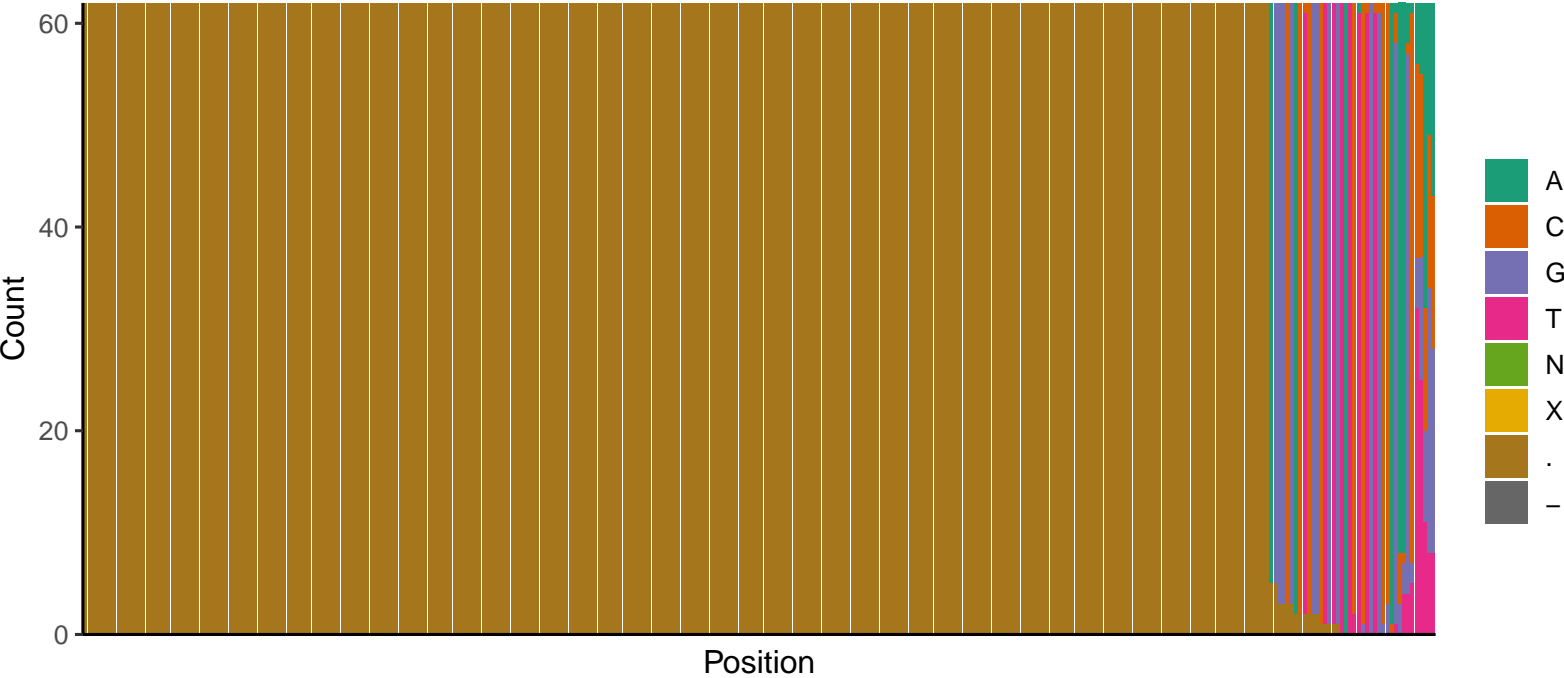
Gene TRBV7-1*ap01_G291C_T296C



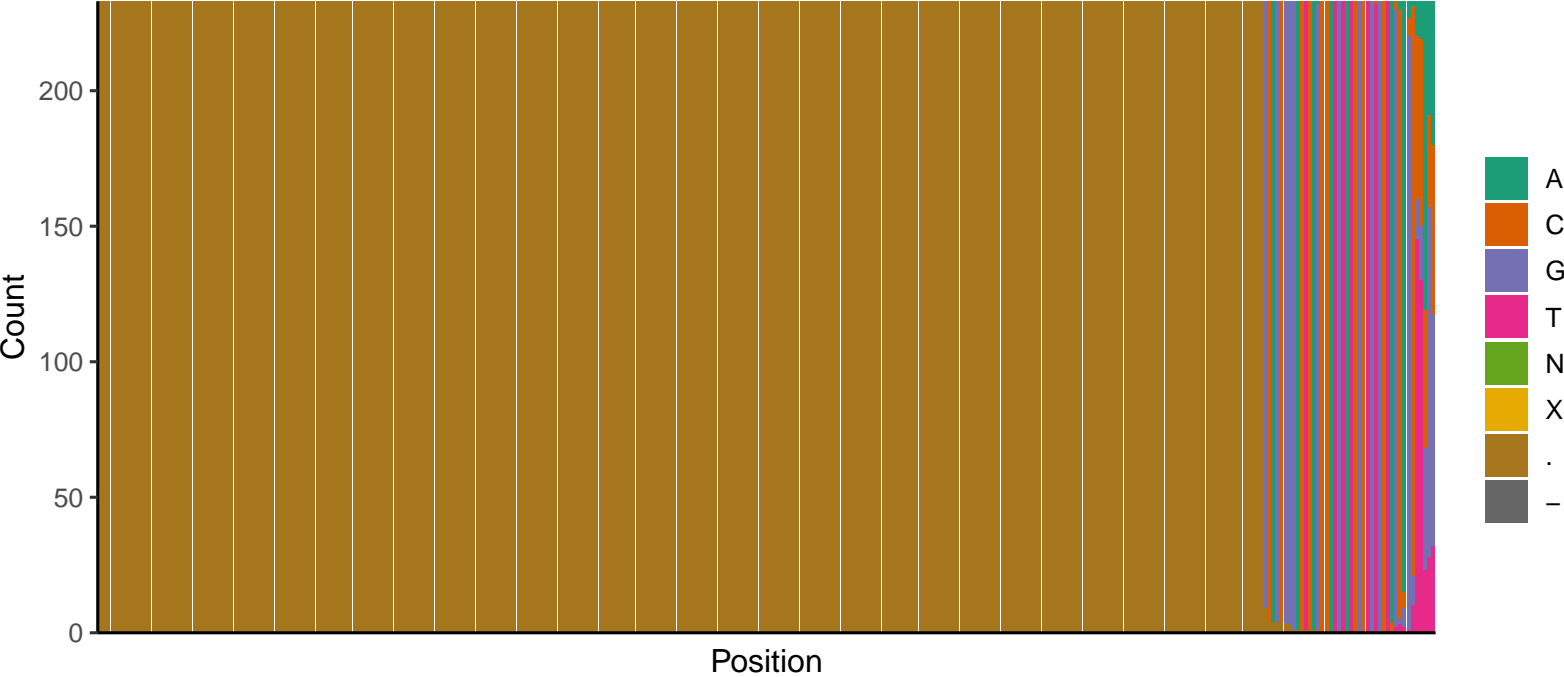
Gene TRBV7-7*ap01_C315T



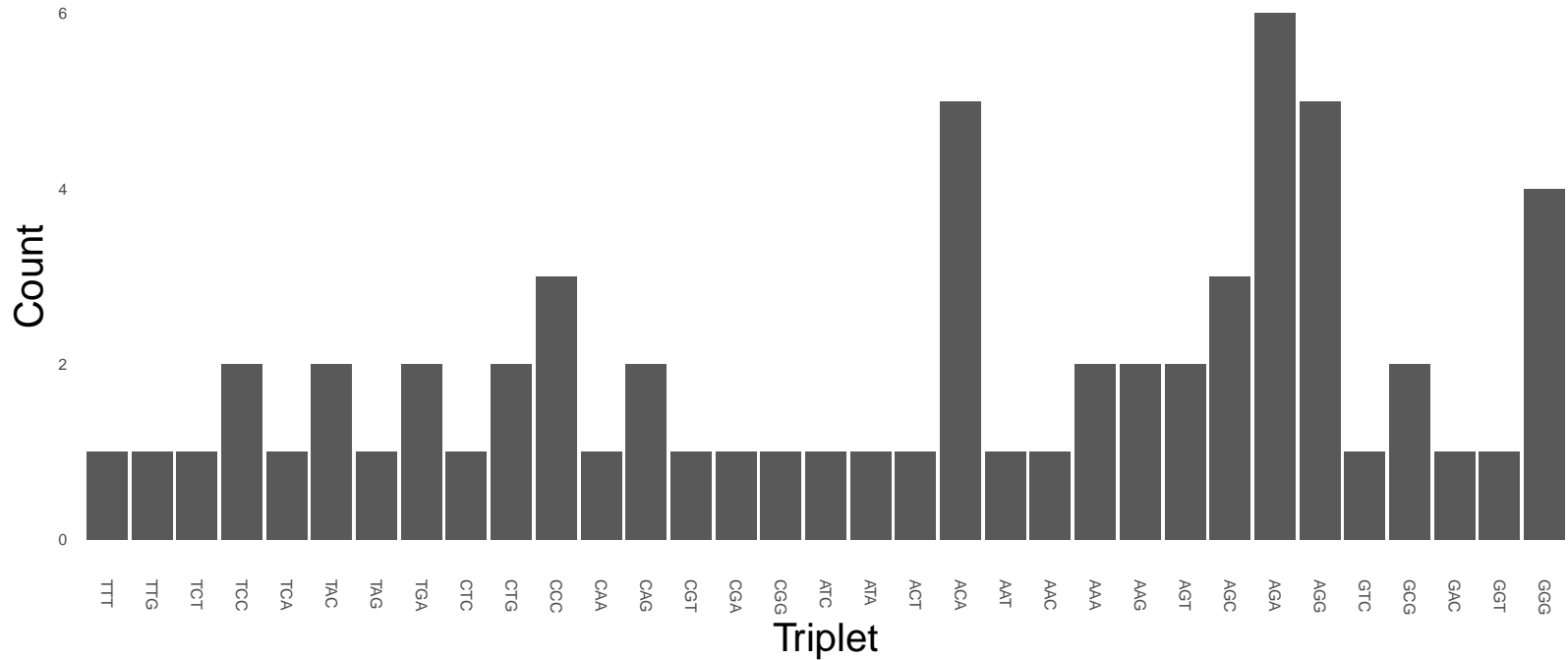
Gene TRBV7-1*ap01_G291C_T296C



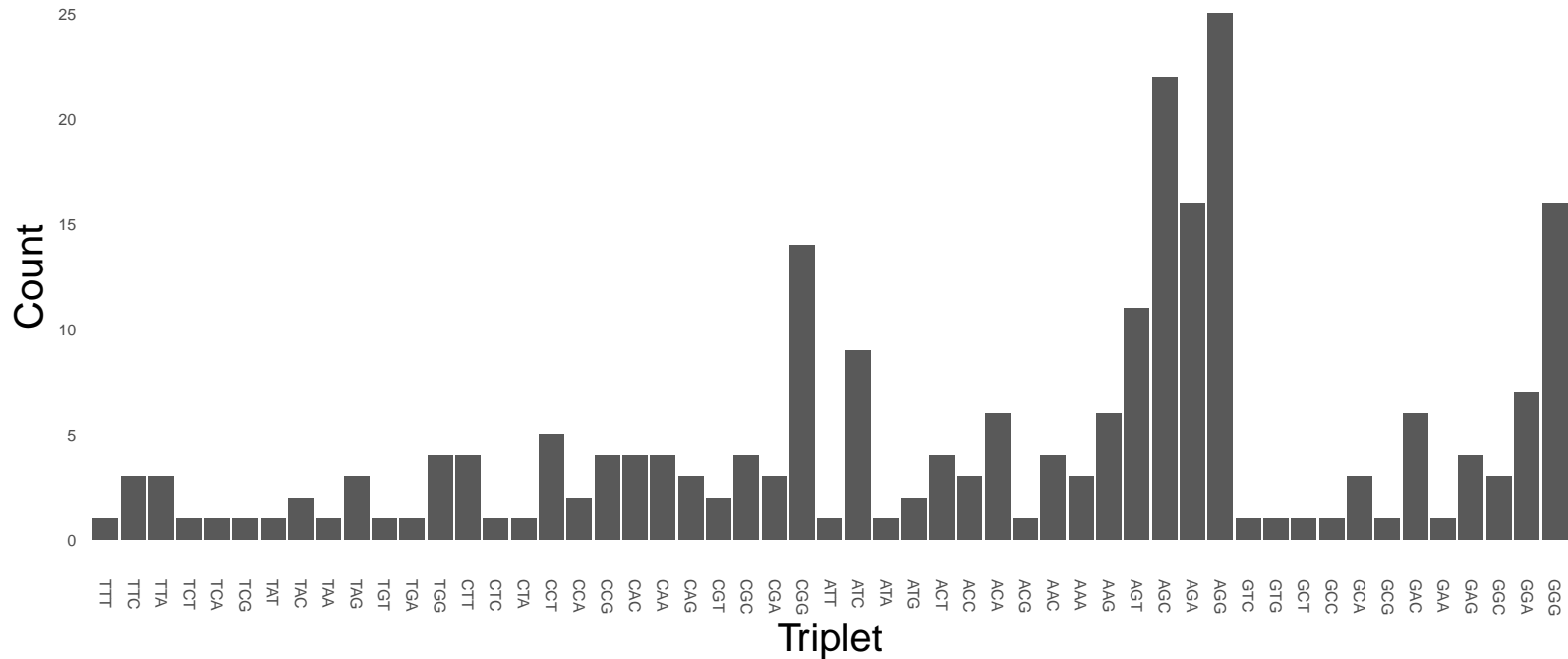
Gene TRBV7-7*ap01_C315T



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

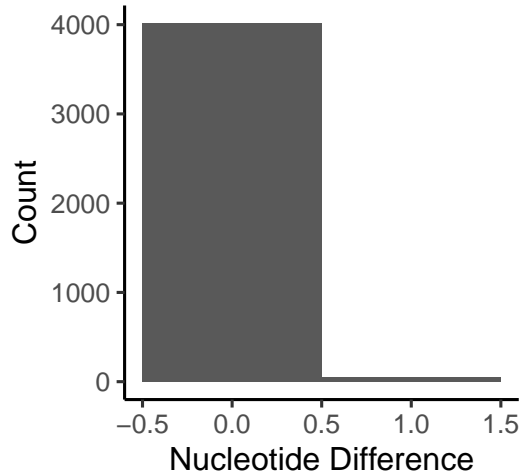


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



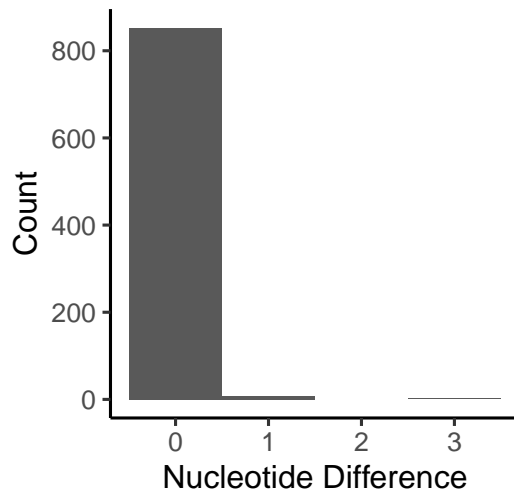
TRBV20–1*ap01

4068 sequences assigned
4014 (98.7%) exact matches, in which:
3935 unique CDR3
13 unique J



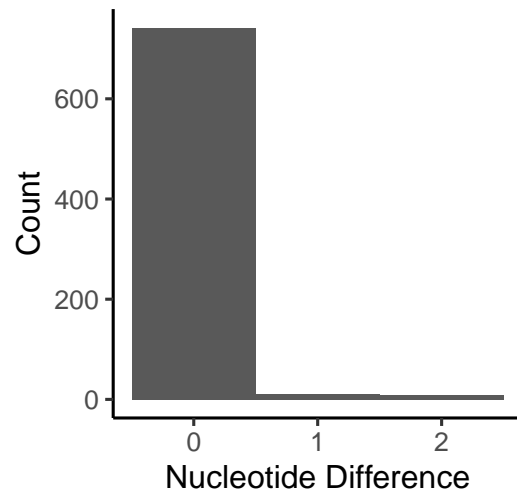
TRBV10–2*ap01

863 sequences assigned
853 (98.8%) exact matches, in which:
840 unique CDR3
13 unique J



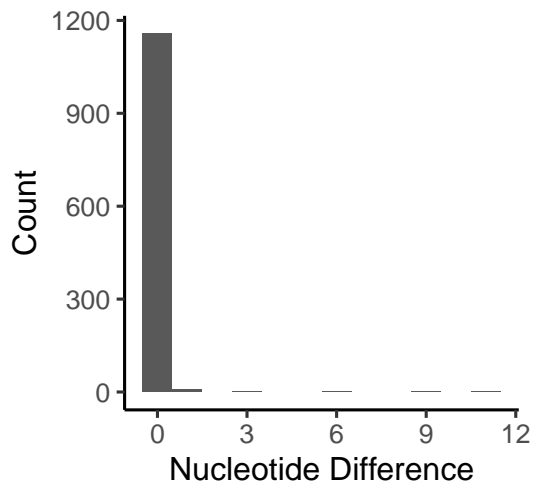
TRBV13*ap01

762 sequences assigned
742 (97.4%) exact matches, in which:
727 unique CDR3
13 unique J



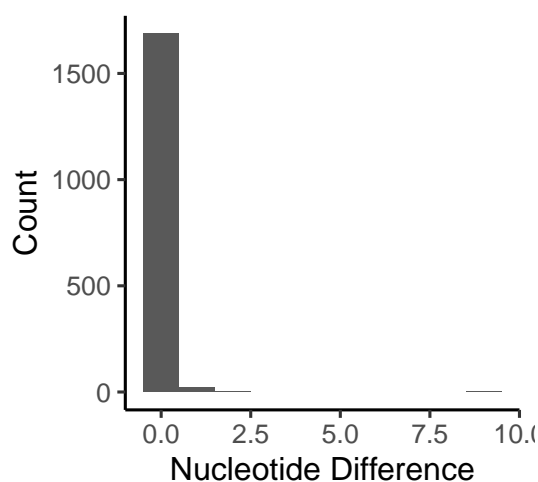
TRBV10–1*ap01

1171 sequences assigned
1157 (98.8%) exact matches, in which:
1143 unique CDR3
13 unique J



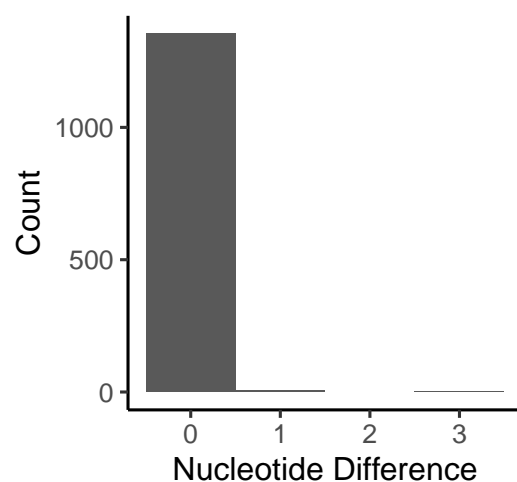
TRBV10–3*ap01

1708 sequences assigned
1687 (98.8%) exact matches, in which:
1658 unique CDR3
13 unique J



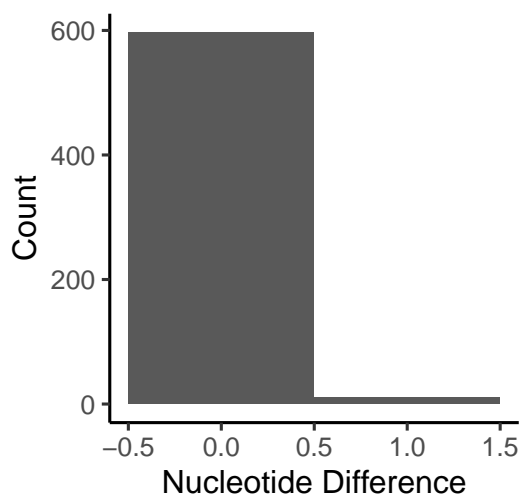
TRBV14*ap01

1362 sequences assigned
1354 (99.4%) exact matches, in which:
1334 unique CDR3
13 unique J



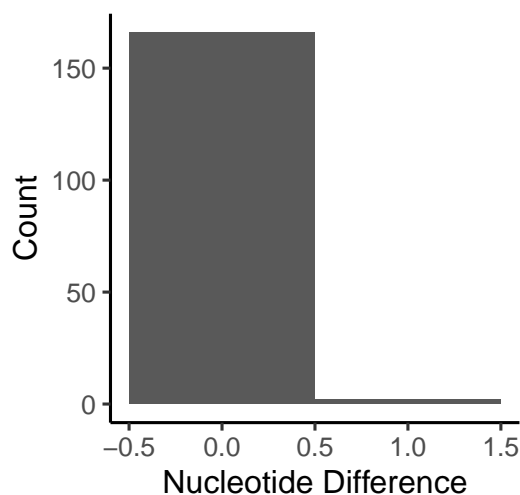
TRBV20–1*ap02

608 sequences assigned
597 (98.2%) exact matches, in which:
591 unique CDR3
13 unique J



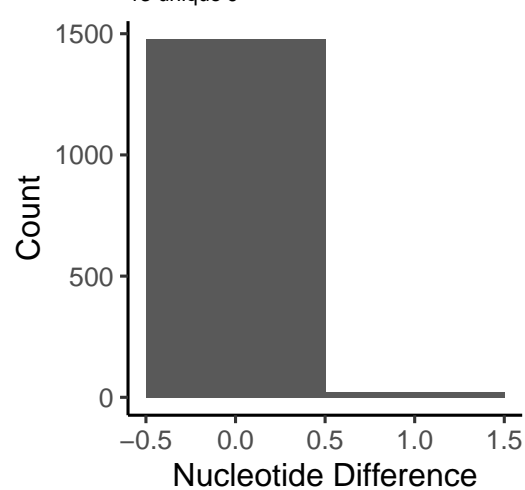
TRBV1*ap01

168 sequences assigned
166 (98.8%) exact matches, in which:
166 unique CDR3
13 unique J



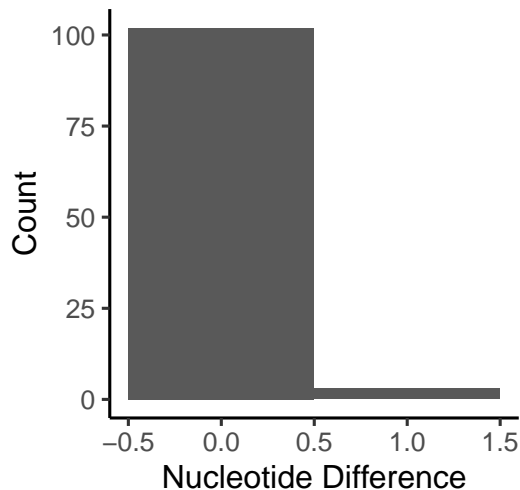
TRBV15*ap02

1500 sequences assigned
1478 (98.5%) exact matches, in which:
1451 unique CDR3
13 unique J



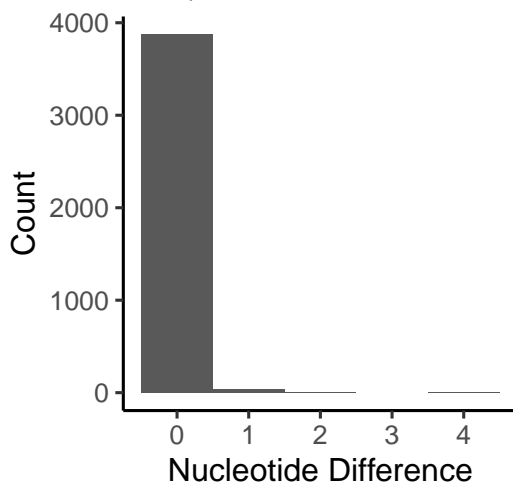
TRBV16*ap01

105 sequences assigned
102 (97.1%) exact matches, in which:
99 unique CDR3
12 unique J



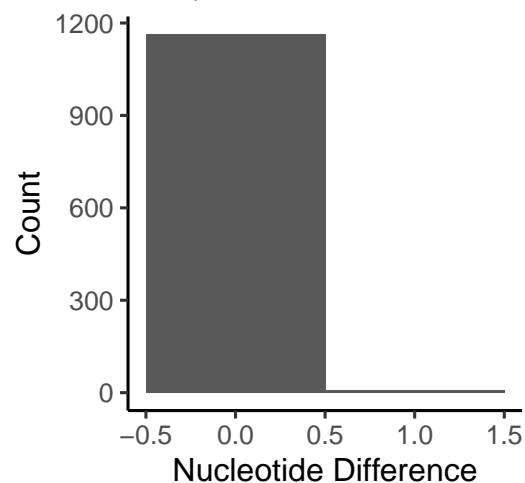
TRBV2*ap01

3920 sequences assigned
3874 (98.8%) exact matches, in which:
3817 unique CDR3
13 unique J



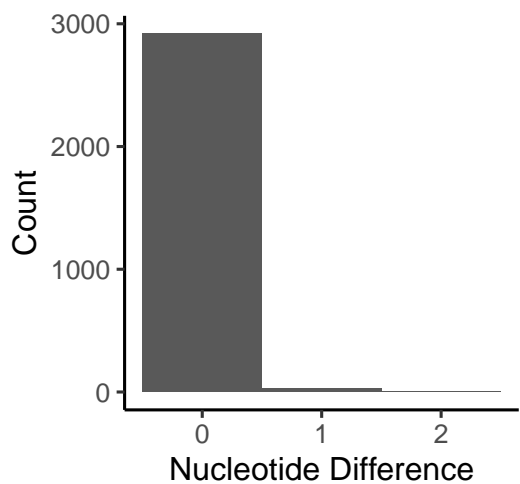
TRBV28*ap01

1172 sequences assigned
1163 (99.2%) exact matches, in which:
1136 unique CDR3
13 unique J



TRBV18*ap01

2951 sequences assigned
2919 (98.9%) exact matches, in which:
2874 unique CDR3
13 unique J



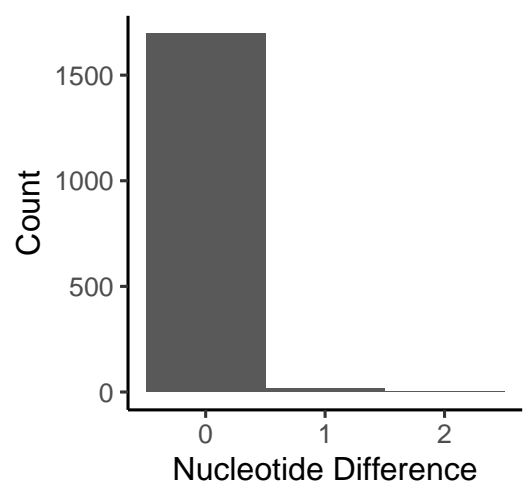
TRBV26*ap01

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



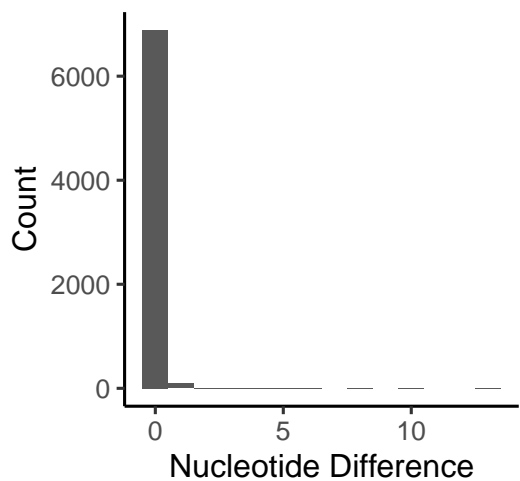
TRBV30*ap01

1717 sequences assigned
1696 (98.8%) exact matches, in which:
1688 unique CDR3
13 unique J



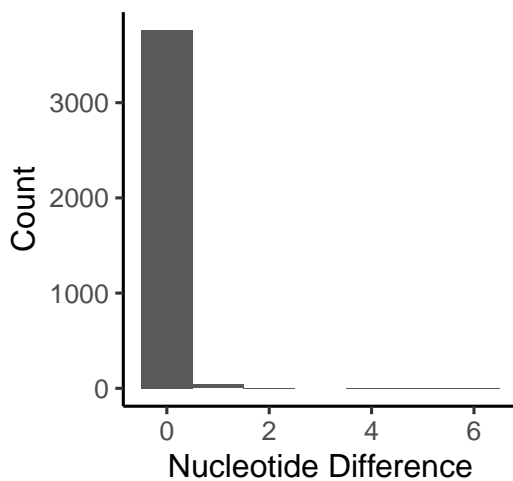
TRBV19*ap01

6996 sequences assigned
6887 (98.4%) exact matches, in which:
6773 unique CDR3
13 unique J



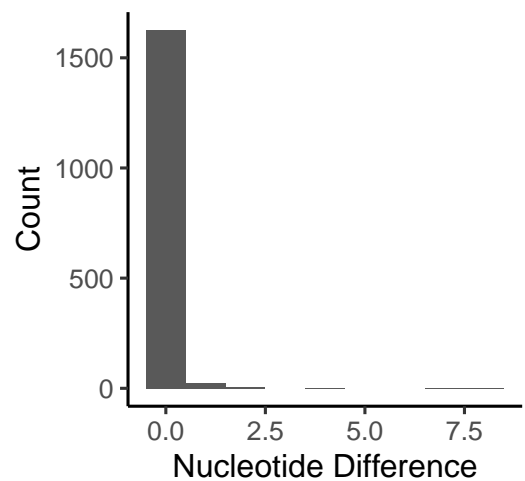
TRBV27*ap01

3809 sequences assigned
3763 (98.8%) exact matches, in which:
3698 unique CDR3
13 unique J



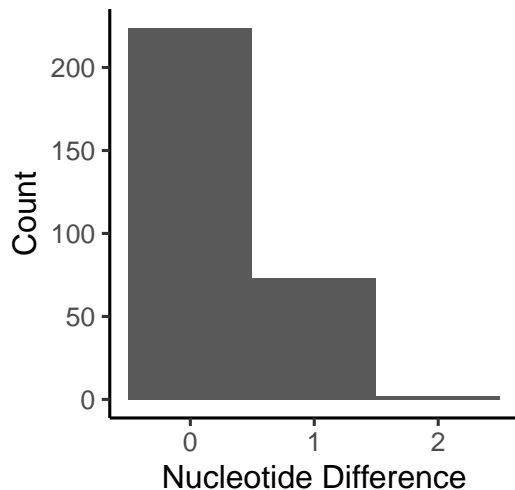
TRBV30*ap02

1659 sequences assigned
1626 (98%) exact matches, in which:
1616 unique CDR3
14 unique J



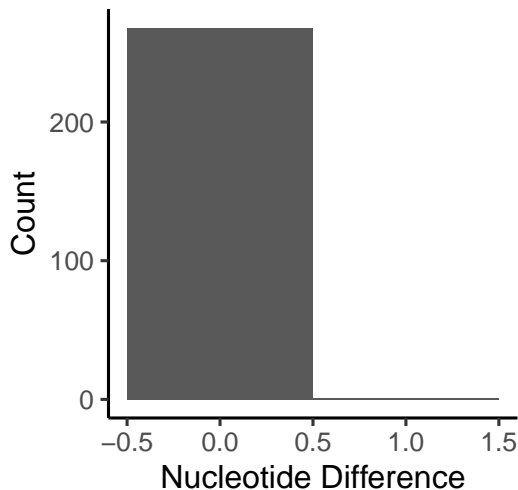
TRBV30*ap03

299 sequences assigned
224 (74.9%) exact matches, in which:
220 unique CDR3
13 unique J



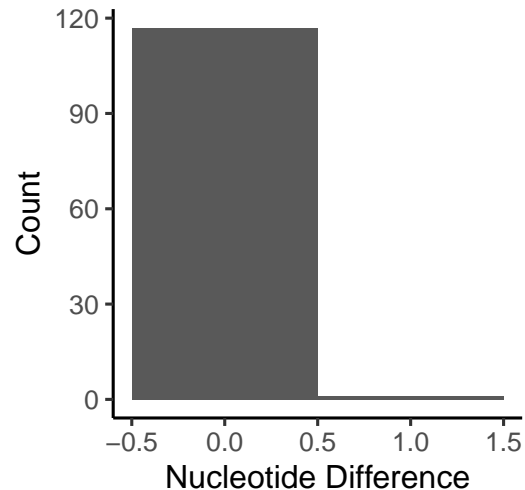
TRBV11-1*ap01

269 sequences assigned
268 (99.6%) exact matches, in which:
264 unique CDR3
13 unique J



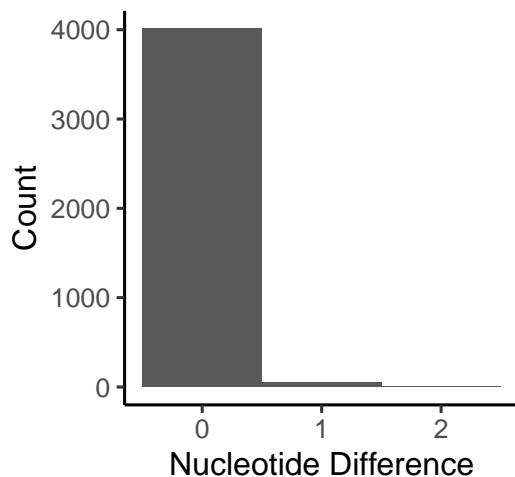
TRBV12-1*ap01

118 sequences assigned
117 (99.2%) exact matches, in which:
114 unique CDR3
12 unique J



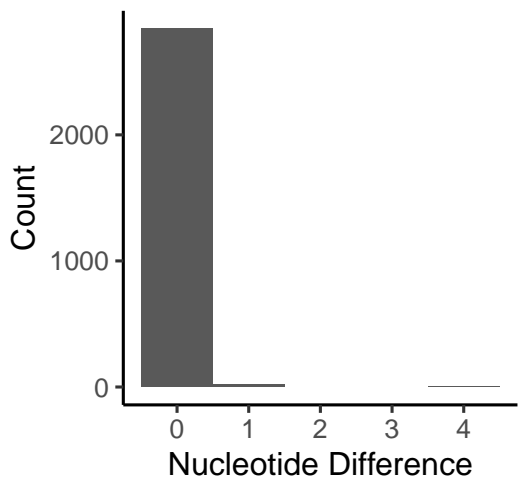
TRBV9*ap01

4066 sequences assigned
4011 (98.6%) exact matches, in which:
3936 unique CDR3
13 unique J



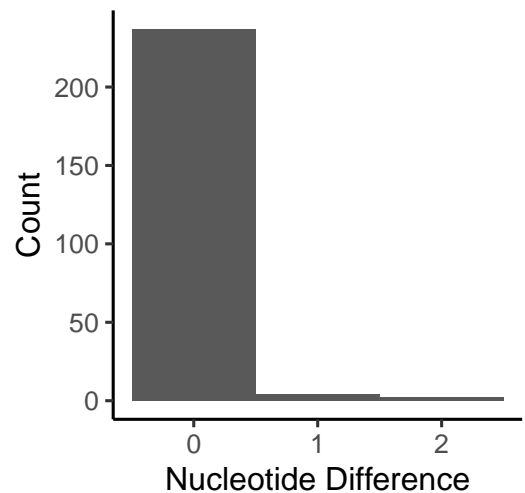
TRBV11-2*ap01

2864 sequences assigned
2842 (99.2%) exact matches, in which:
2793 unique CDR3
13 unique J



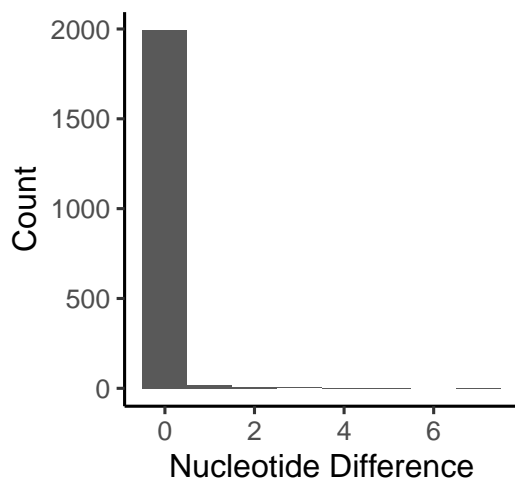
TRBV12-2*ap01

243 sequences assigned
237 (97.5%) exact matches, in which:
233 unique CDR3
13 unique J



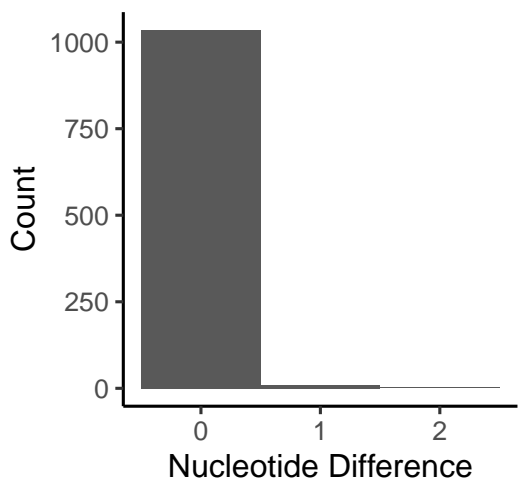
TRBV21-1*ap01

2029 sequences assigned
1994 (98.3%) exact matches, in which:
1957 unique CDR3
13 unique J



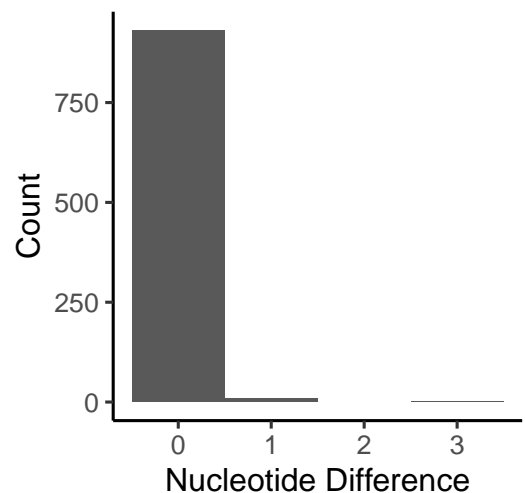
TRBV11-3*ap01

1047 sequences assigned
1035 (98.9%) exact matches, in which:
1022 unique CDR3
13 unique J



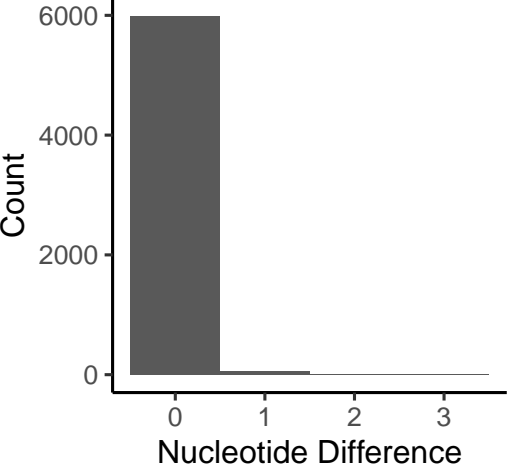
TRBV12-5*ap01

942 sequences assigned
931 (98.8%) exact matches, in which:
907 unique CDR3
13 unique J



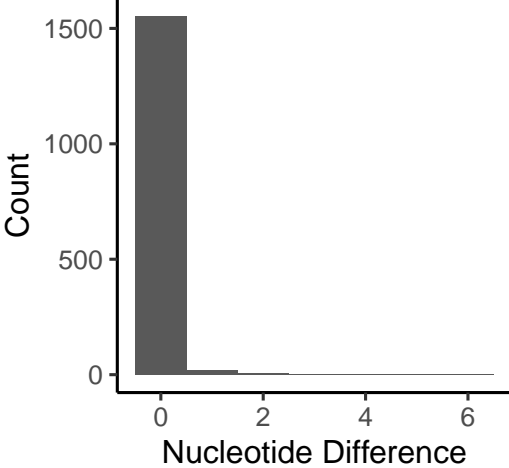
TRBV12-34*ap01

6043 sequences assigned
5982 (99%) exact matches, in which:
5892 unique CDR3
13 unique J



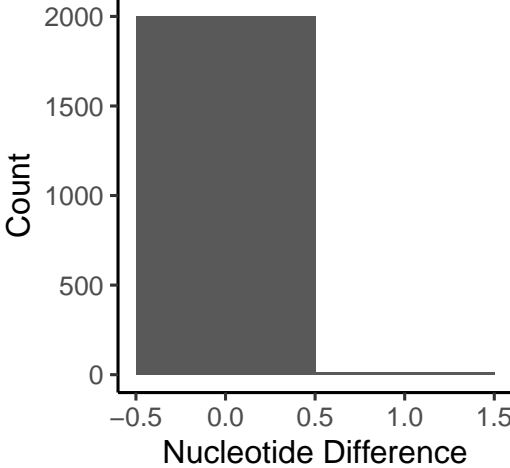
TRBV24-1*ap01

1583 sequences assigned
1552 (98%) exact matches, in which:
1541 unique CDR3
13 unique J



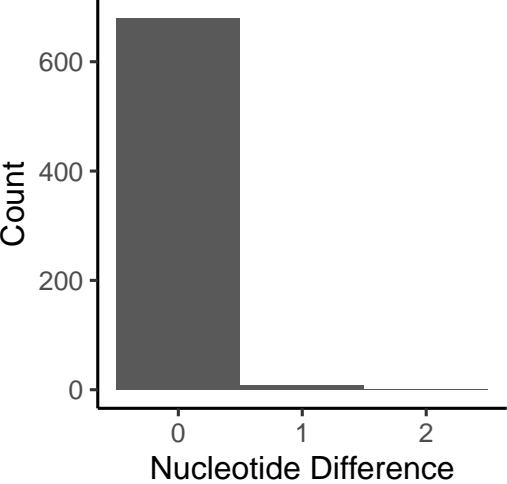
TRBV4-3*ap01

2016 sequences assigned
2000 (99.2%) exact matches, in which:
1977 unique CDR3
13 unique J



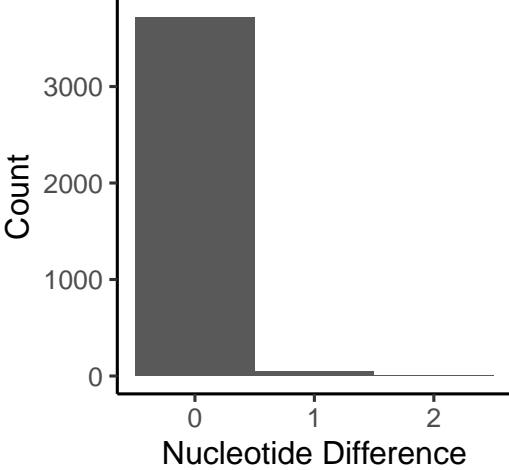
TRBV23-1*ap01

689 sequences assigned
680 (98.7%) exact matches, in which:
664 unique CDR3
13 unique J



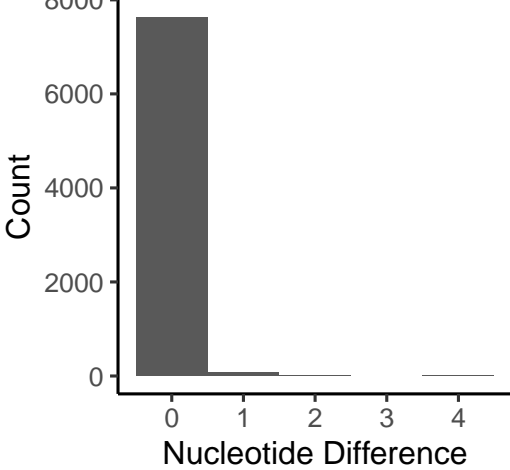
TRBV4-1*ap01

3757 sequences assigned
3713 (98.8%) exact matches, in which:
3639 unique CDR3
13 unique J



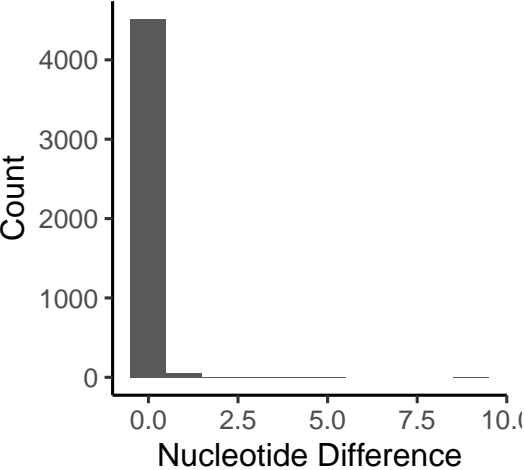
TRBV5-1*ap01

7689 sequences assigned
7620 (99.1%) exact matches, in which:
7440 unique CDR3
13 unique J



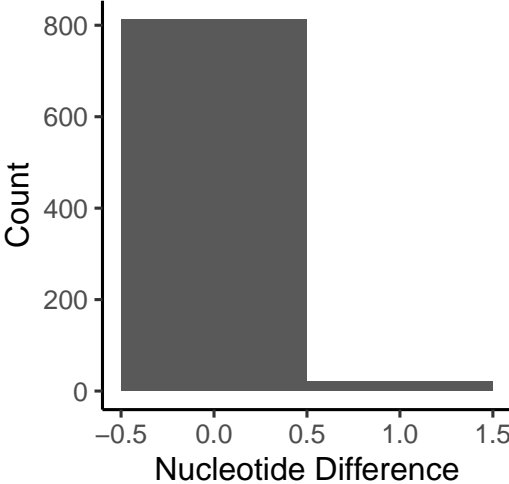
TRBV3-12*ap01

4577 sequences assigned
4514 (98.6%) exact matches, in which:
4442 unique CDR3
13 unique J



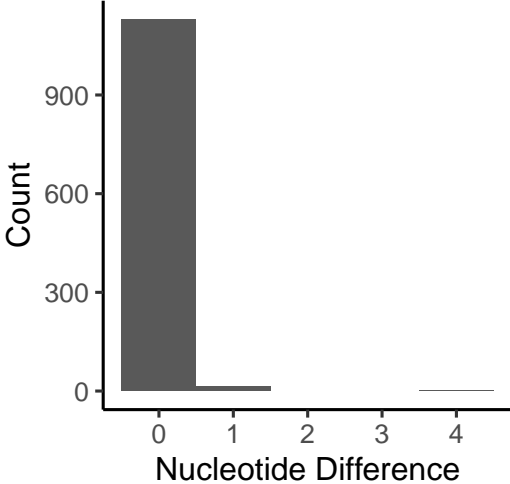
TRBV4-2*ap01

833 sequences assigned
813 (97.6%) exact matches, in which:
803 unique CDR3
13 unique J



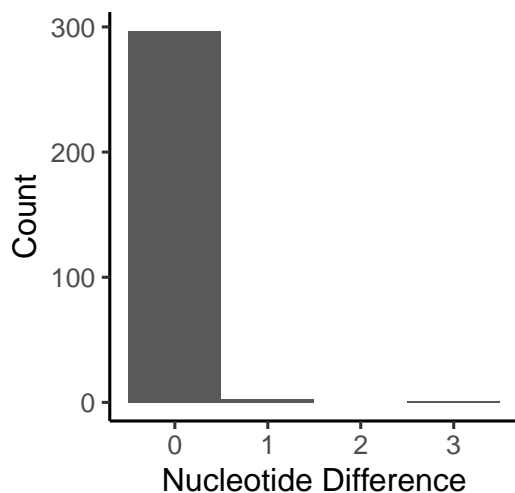
TRBV25-1*ap01

1144 sequences assigned
1130 (98.8%) exact matches, in which:
1124 unique CDR3
13 unique J



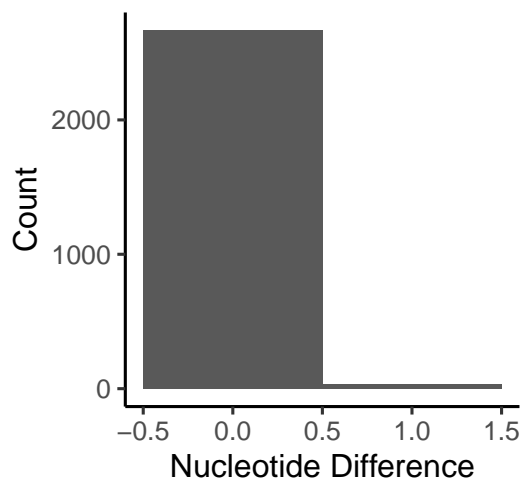
TRBV5-3*ap01

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



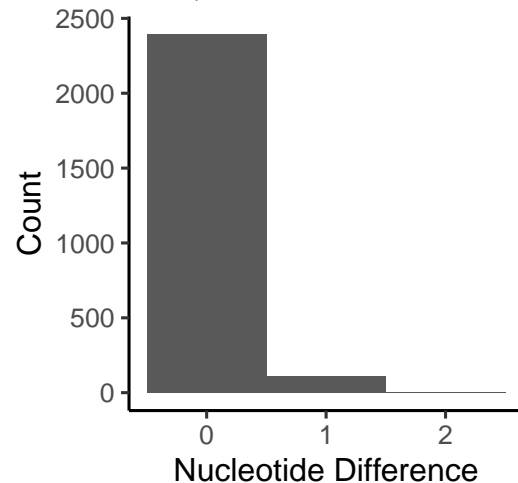
TRBV5-6*ap01

2699 sequences assigned
2666 (98.8%) exact matches, in which:
2623 unique CDR3
13 unique J



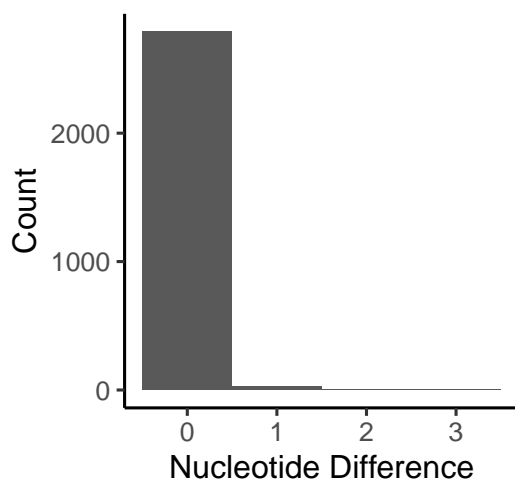
TRBV6-1*ap01

2508 sequences assigned
2393 (95.4%) exact matches, in which:
2352 unique CDR3
13 unique J



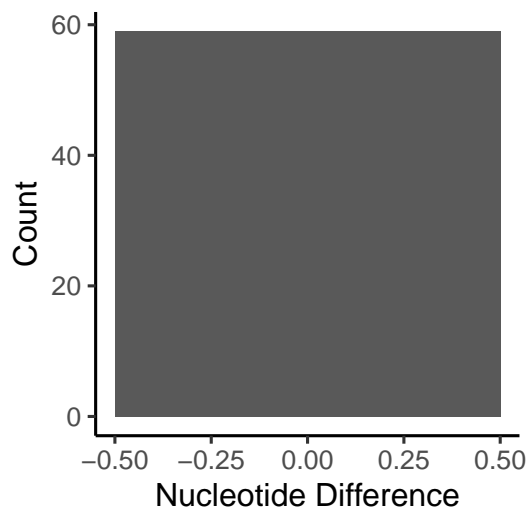
TRBV5-4*ap01

2822 sequences assigned
2790 (98.9%) exact matches, in which:
2744 unique CDR3
13 unique J



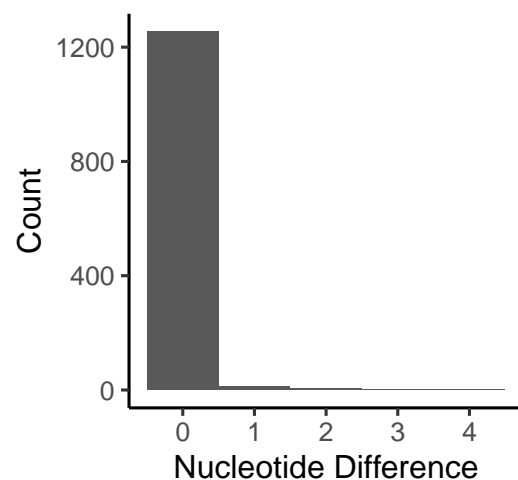
TRBV5-7*ap01

59 sequences assigned
59 (100%) exact matches, in which:
58 unique CDR3
12 unique J



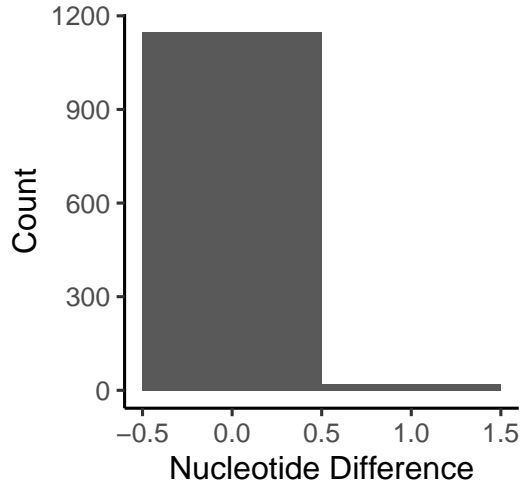
TRBV6-4*ap01

1272 sequences assigned
1254 (98.6%) exact matches, in which:
1244 unique CDR3
13 unique J



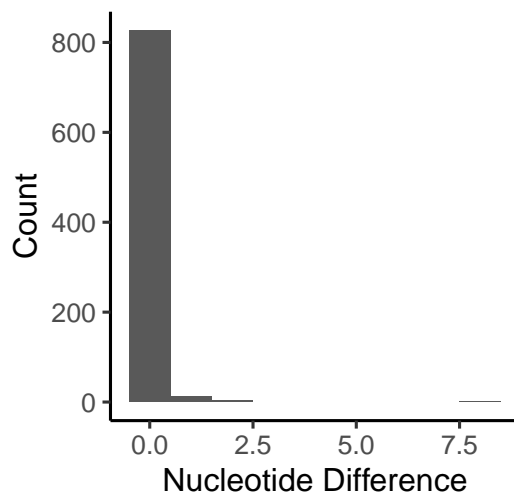
TRBV5-5*ap01

1168 sequences assigned
1148 (98.3%) exact matches, in which:
1121 unique CDR3
13 unique J



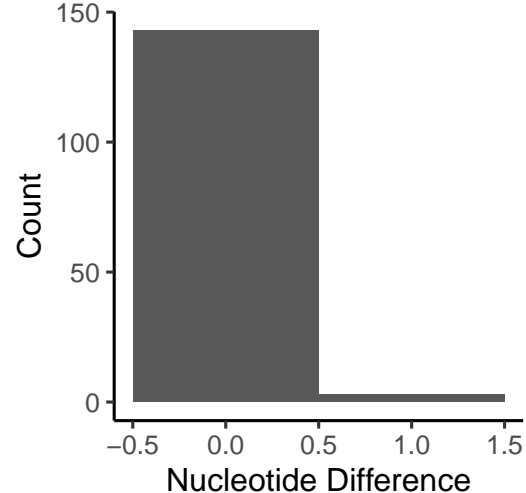
TRBV5-8*ap01

844 sequences assigned
827 (98%) exact matches, in which:
812 unique CDR3
13 unique J



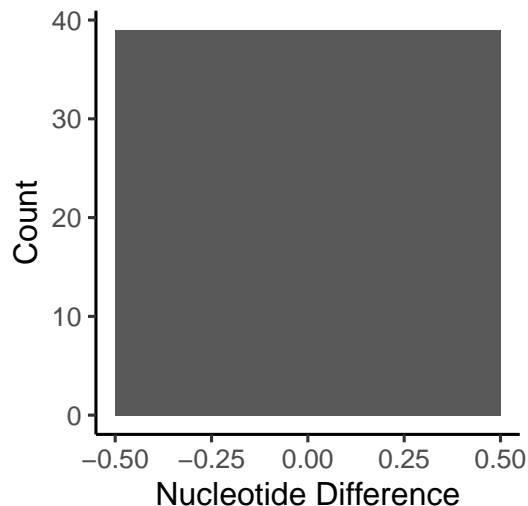
TRBV6-7*ap01

146 sequences assigned
143 (97.9%) exact matches, in which:
138 unique CDR3
13 unique J



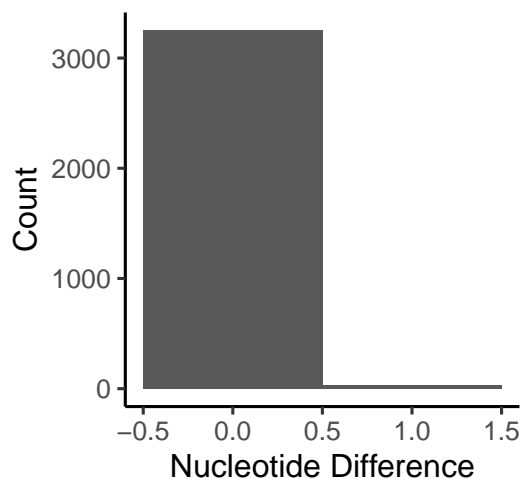
TRBV6-8*ap01

39 sequences assigned
39 (100%) exact matches, in which:
38 unique CDR3
12 unique J



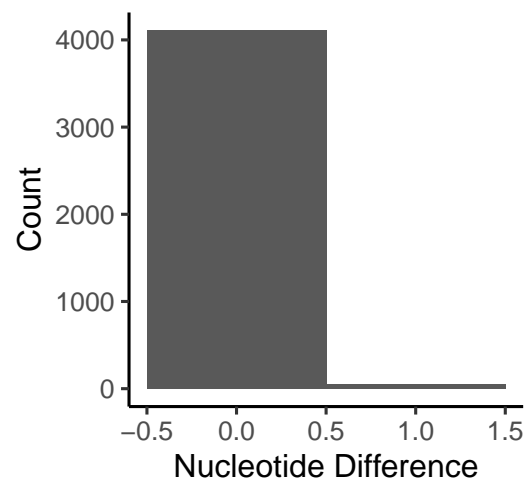
TRBV6-56*ap01

3285 sequences assigned
3251 (99%) exact matches, in which:
3207 unique CDR3
13 unique J



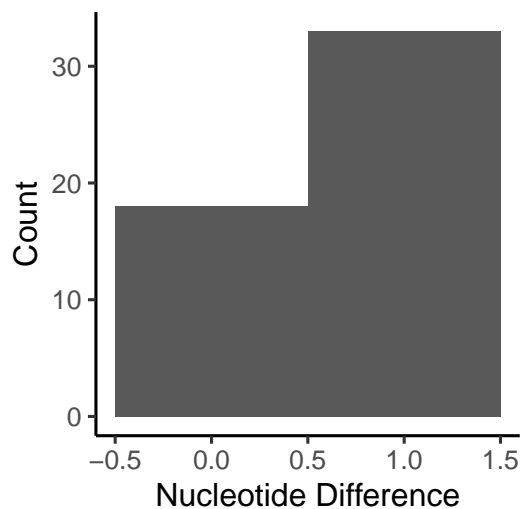
TRBV7-2*ap01

4164 sequences assigned
4109 (98.7%) exact matches, in which:
4040 unique CDR3
13 unique J



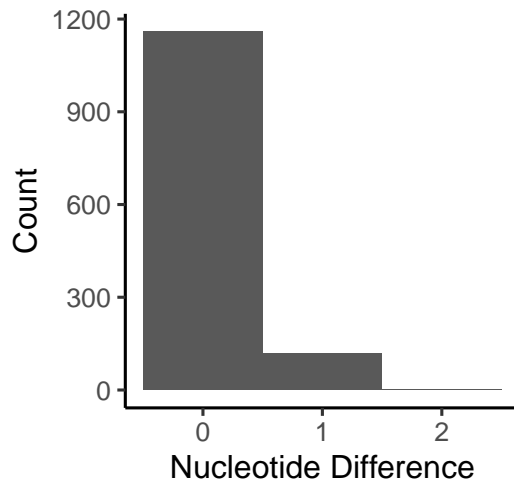
TRBV6-9*ap01

51 sequences assigned
18 (35.3%) exact matches, in which:
18 unique CDR3
11 unique J



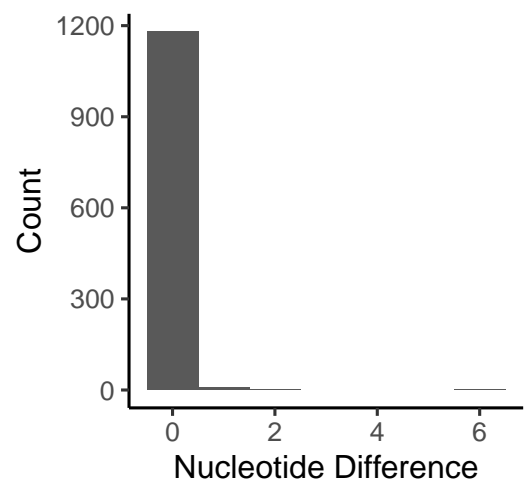
TRBV6-56*ap02

1279 sequences assigned
1159 (90.6%) exact matches, in which:
1140 unique CDR3
13 unique J



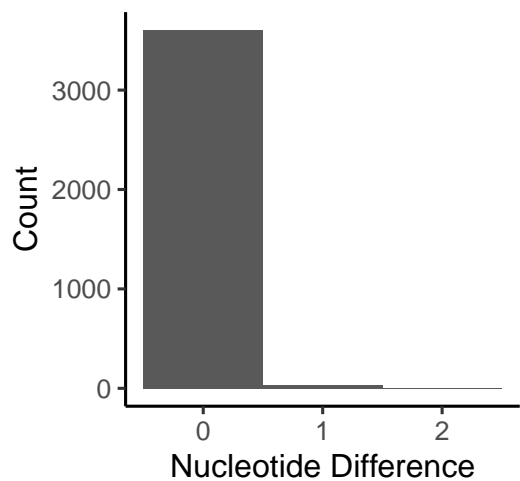
TRBV7-3*ap01

1191 sequences assigned
1180 (99.1%) exact matches, in which:
1169 unique CDR3
13 unique J



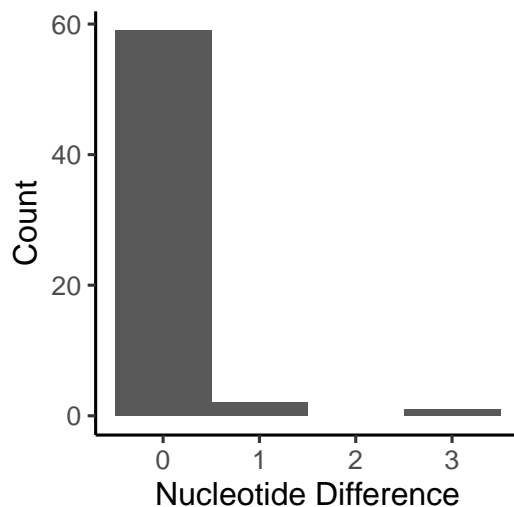
TRBV6-23*ap01

3643 sequences assigned
3604 (98.9%) exact matches, in which:
3553 unique CDR3
13 unique J



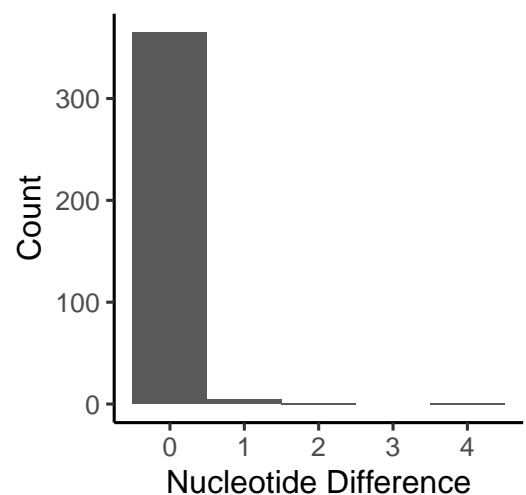
TRBV7-1*ap01_G291C_T

62 sequences assigned
59 (95.2%) exact matches, in which:
58 unique CDR3
12 unique J



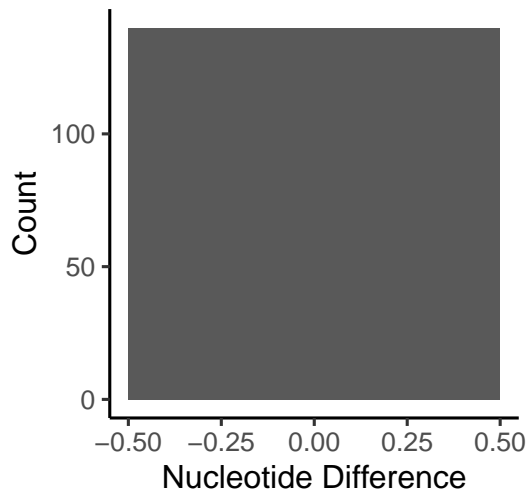
TRBV7-3*ap02

371 sequences assigned
365 (98.4%) exact matches, in which:
353 unique CDR3
13 unique J



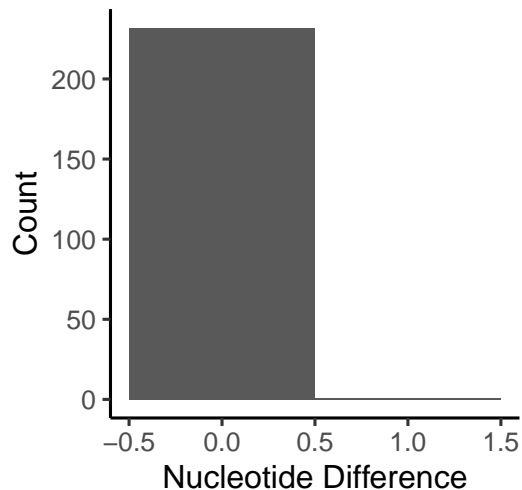
TRBV7-4*ap01

140 sequences assigned
140 (100%) exact matches, in which:
137 unique CDR3
13 unique J



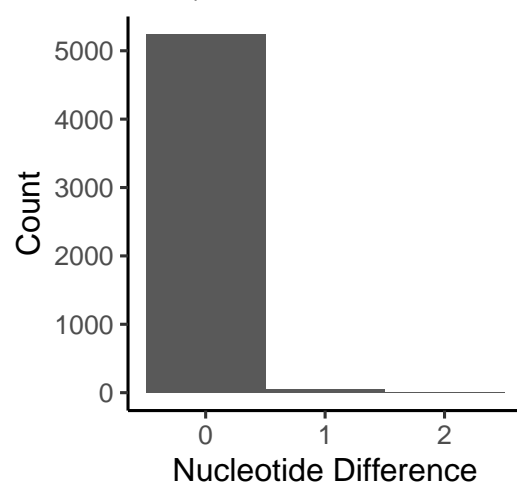
TRBV7-7*ap01_C315T

233 sequences assigned
232 (99.6%) exact matches, in which:
228 unique CDR3
13 unique J



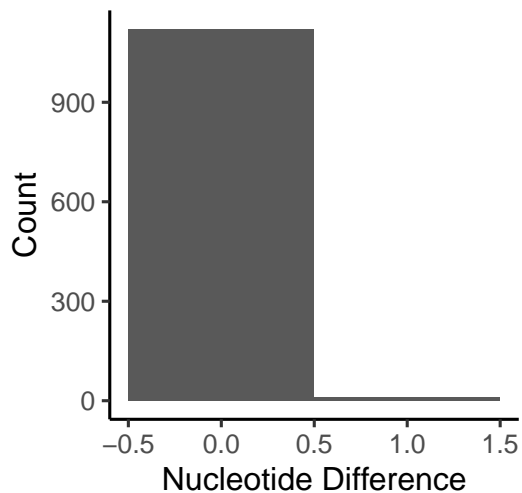
TRBV7-9*ap01

5300 sequences assigned
5239 (98.8%) exact matches, in which:
5151 unique CDR3
13 unique J



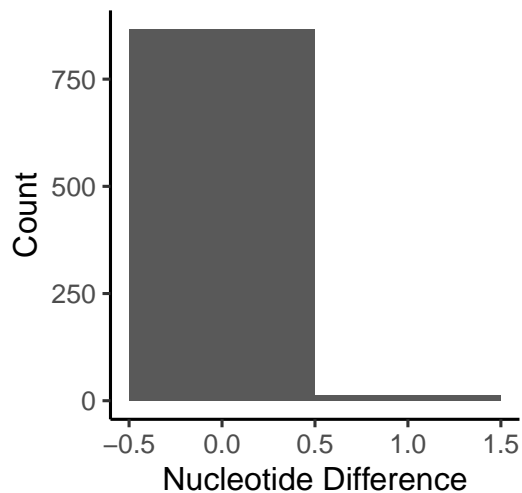
TRBV7-6*ap01

1131 sequences assigned
1121 (99.1%) exact matches, in which:
1101 unique CDR3
13 unique J



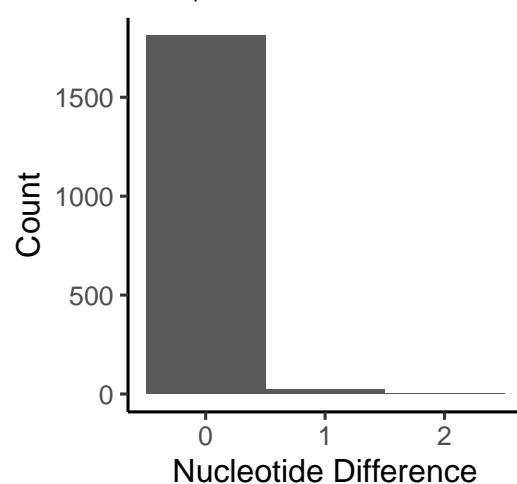
TRBV7-8*ap01

881 sequences assigned
867 (98.4%) exact matches, in which:
854 unique CDR3
13 unique J



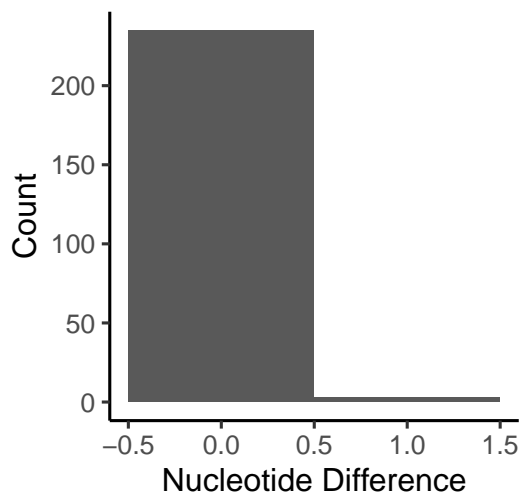
TRBV29-1*ap01

1837 sequences assigned
1811 (98.6%) exact matches, in which:
1782 unique CDR3
13 unique J



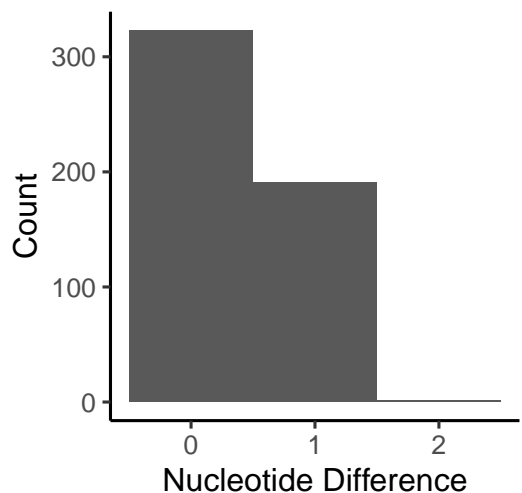
TRBV7-7*ap01

238 sequences assigned
235 (98.7%) exact matches, in which:
234 unique CDR3
13 unique J



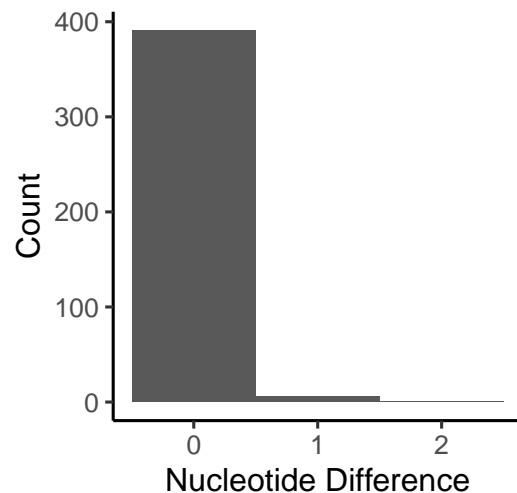
TRBV7-8*ap03

515 sequences assigned
323 (62.7%) exact matches, in which:
319 unique CDR3
13 unique J

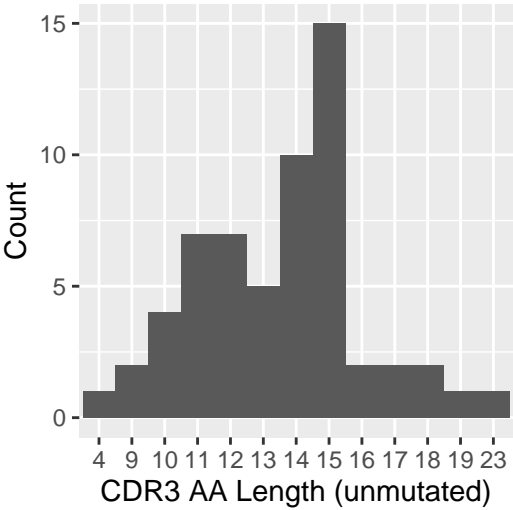


TRBV29-1*ap02

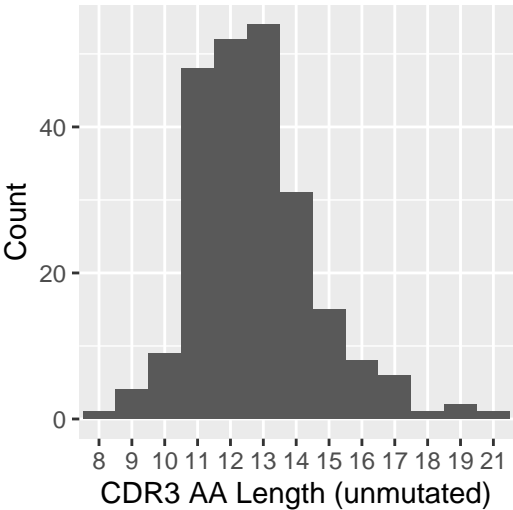
398 sequences assigned
391 (98.2%) exact matches, in which:
389 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]