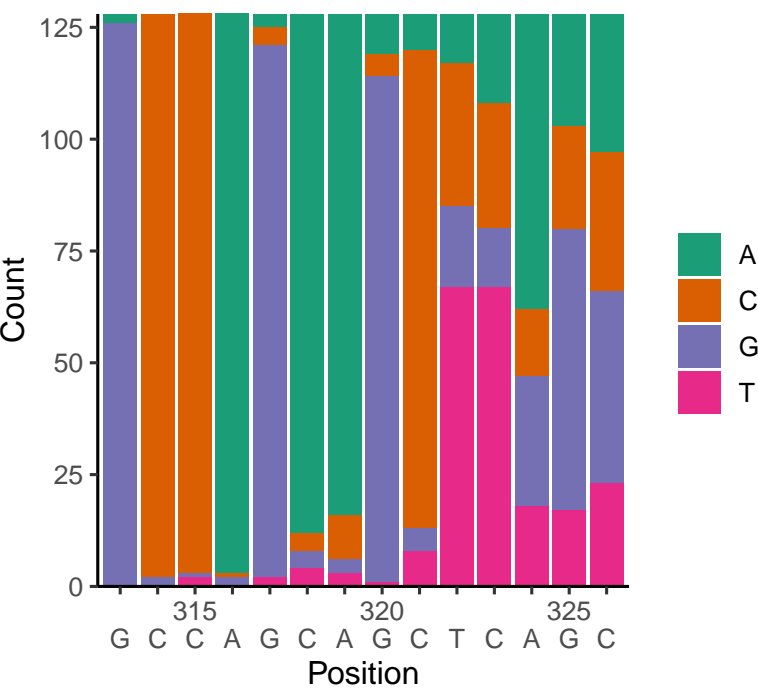
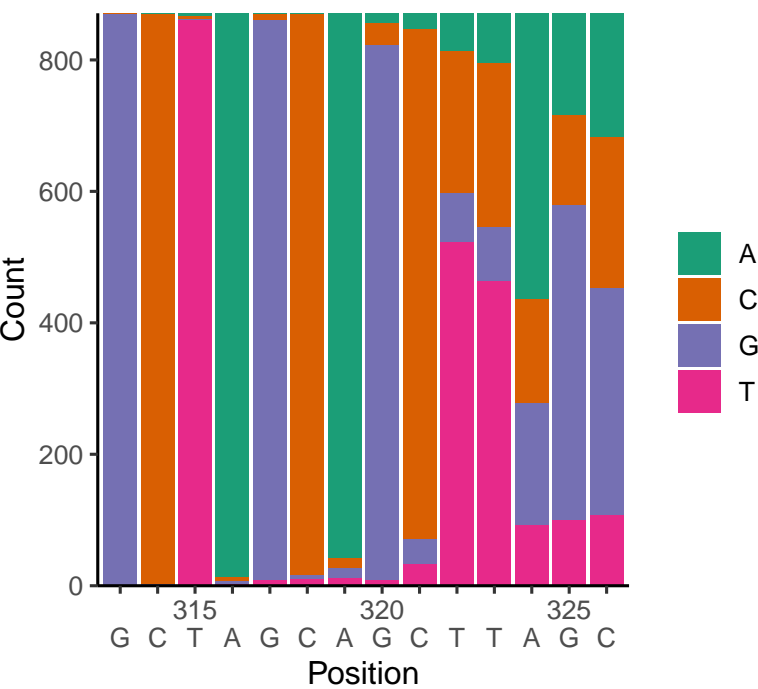


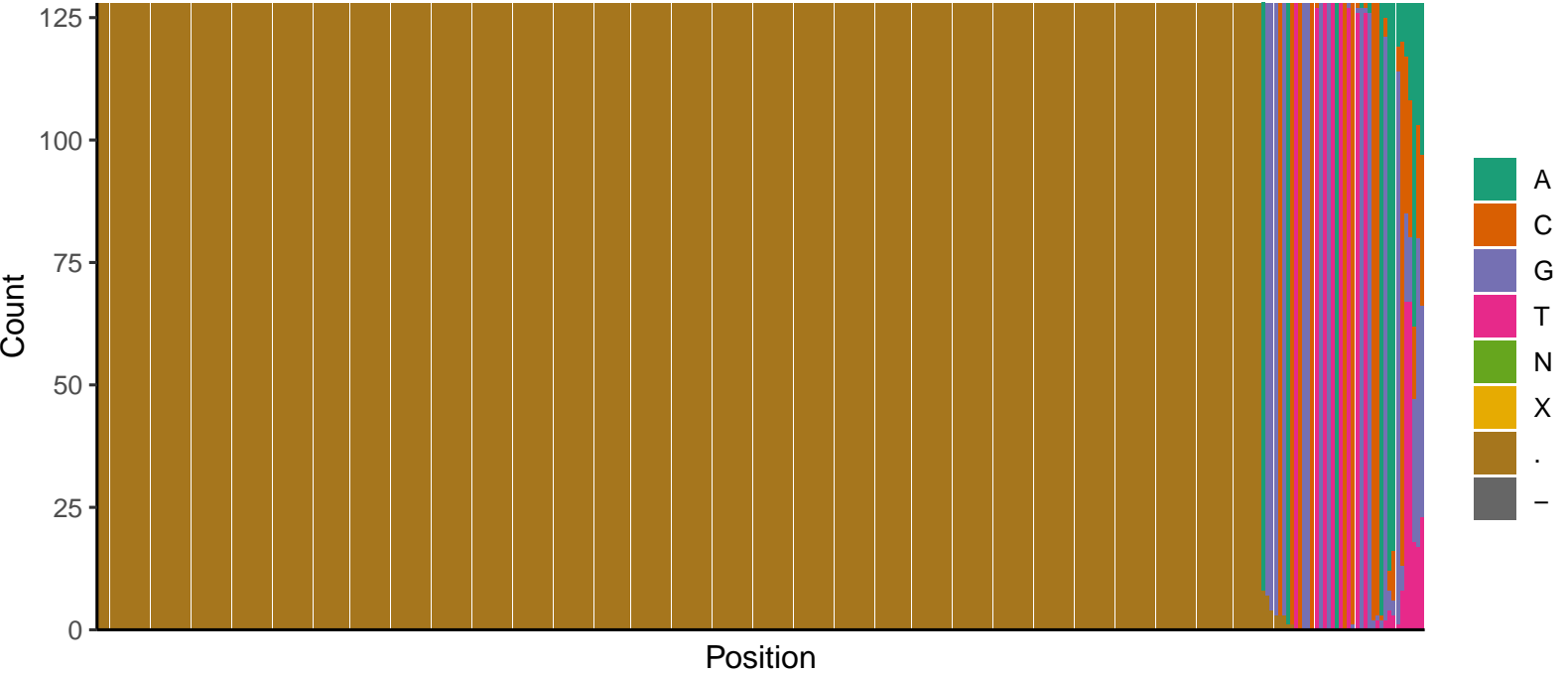
Gene TRBV7-1*ap01_G291C_T296C



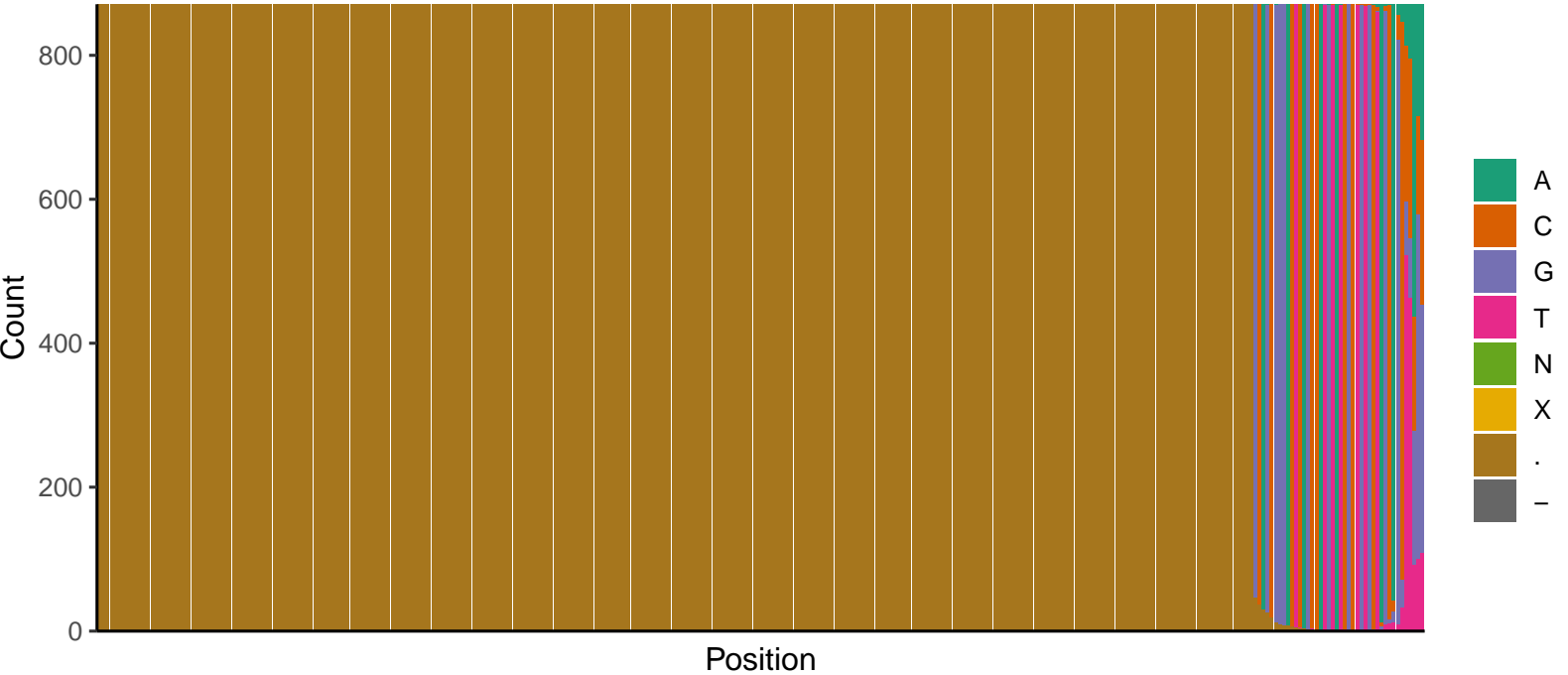
Gene TRBV7-7*ap01_C315T



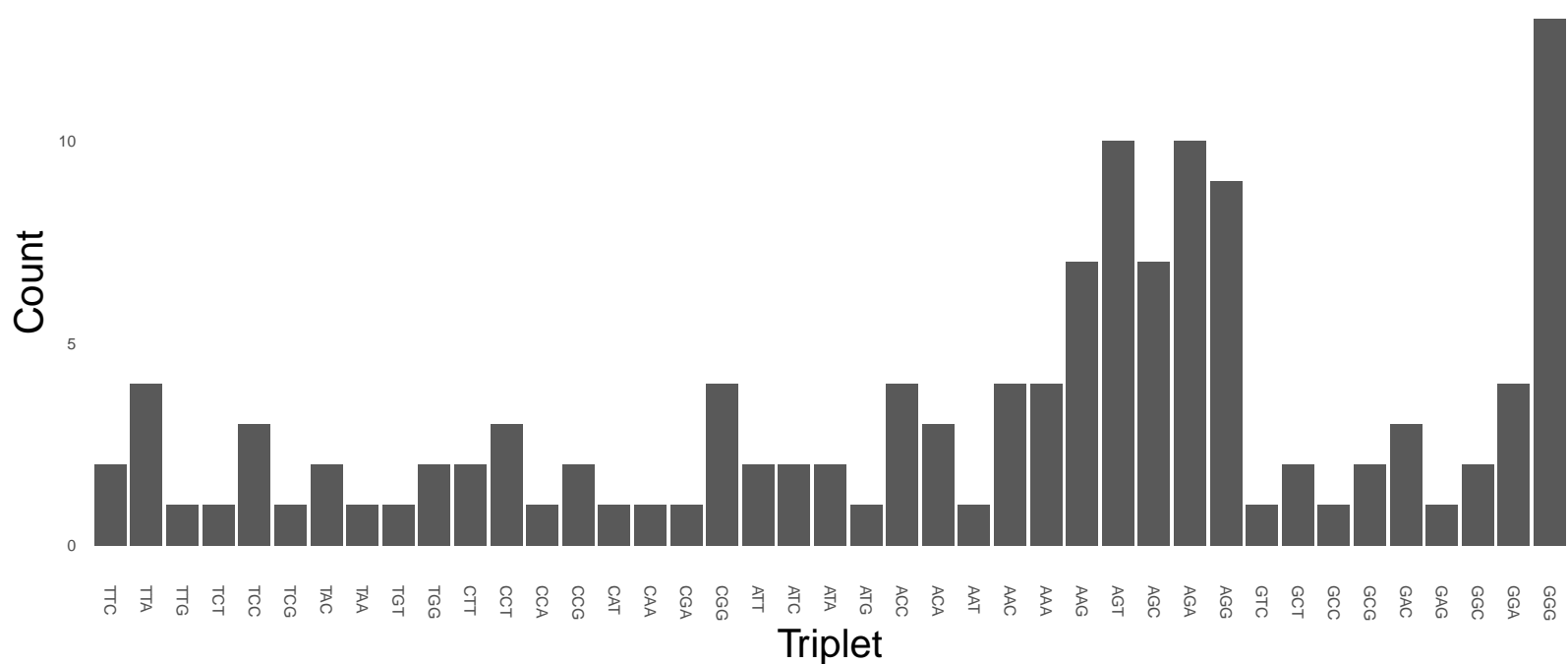
Gene TRBV7-1*ap01_G291C_T296C



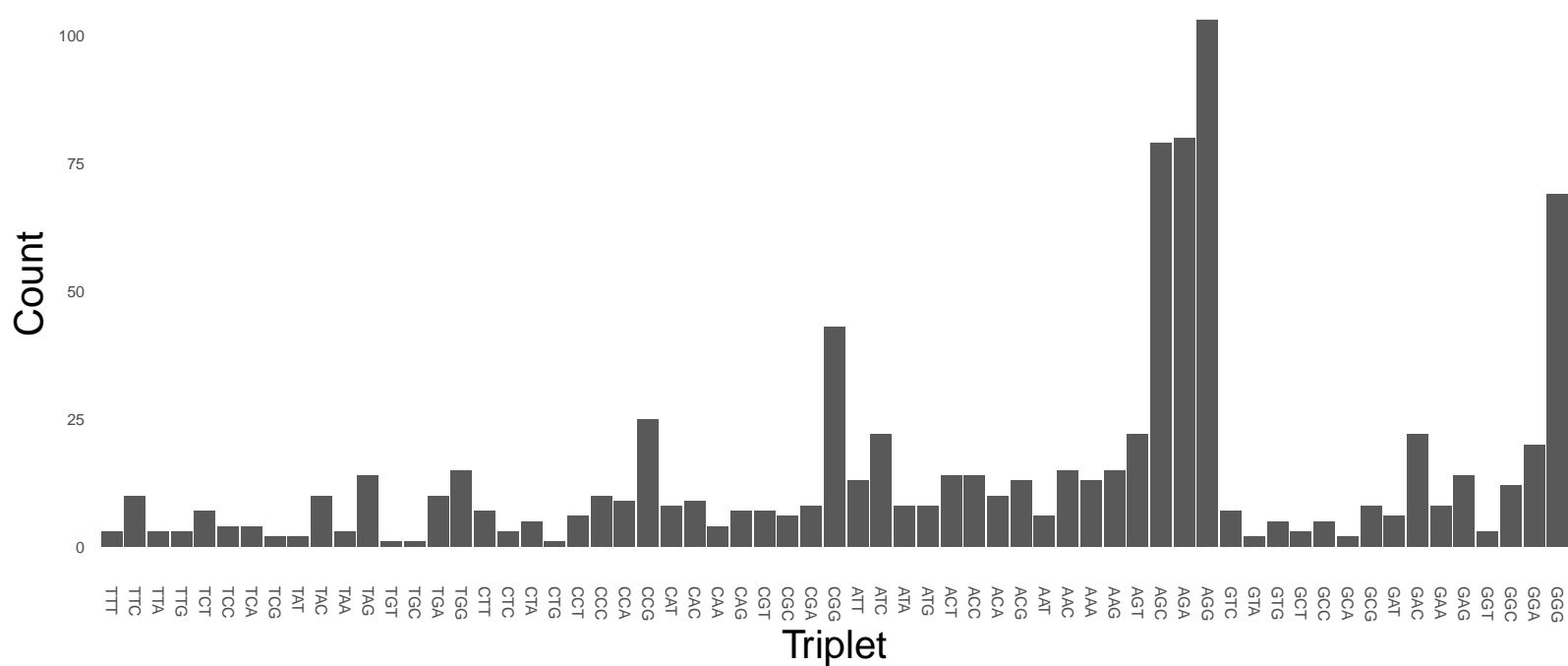
Gene TRBV7-7*ap01_C315T



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

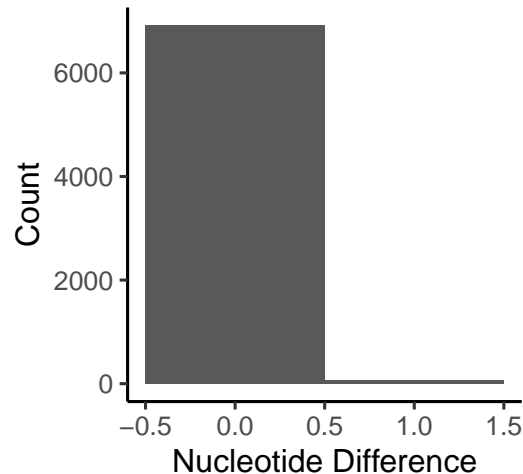


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



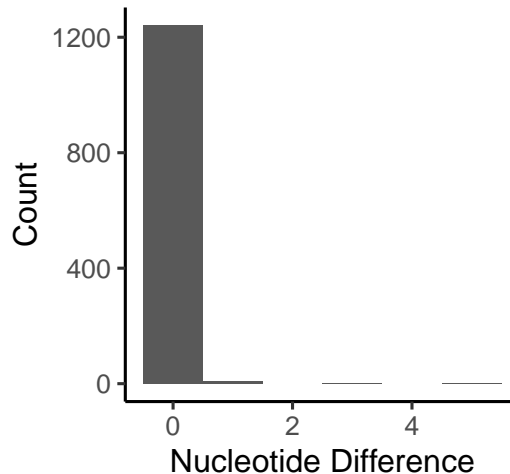
TRBV20-1*ap01

6983 sequences assigned
6917 (99.1%) exact matches, in which:
6826 unique CDR3
13 unique J



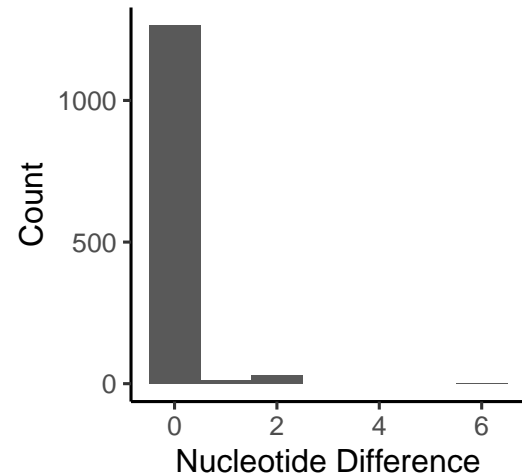
TRBV10-2*ap01

1251 sequences assigned
1241 (99.2%) exact matches, in which:
1223 unique CDR3
13 unique J



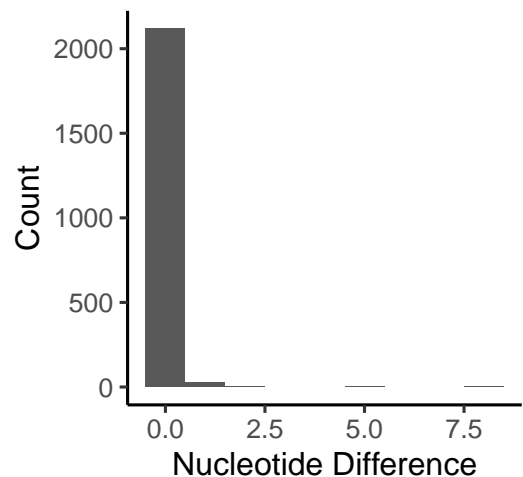
TRBV13*ap01

1309 sequences assigned
1265 (96.6%) exact matches, in which:
1231 unique CDR3
13 unique J



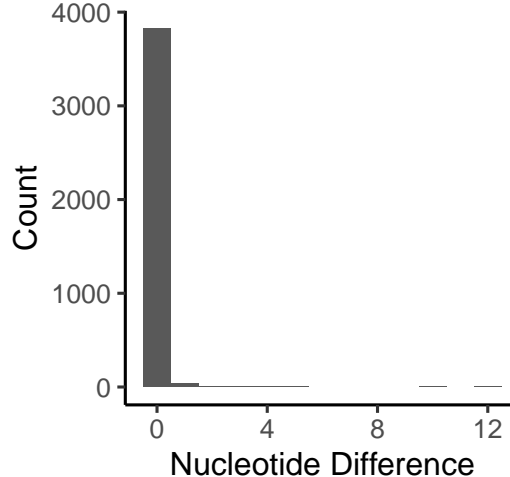
TRBV10-1*ap01

2150 sequences assigned
2118 (98.5%) exact matches, in which:
2081 unique CDR3
13 unique J



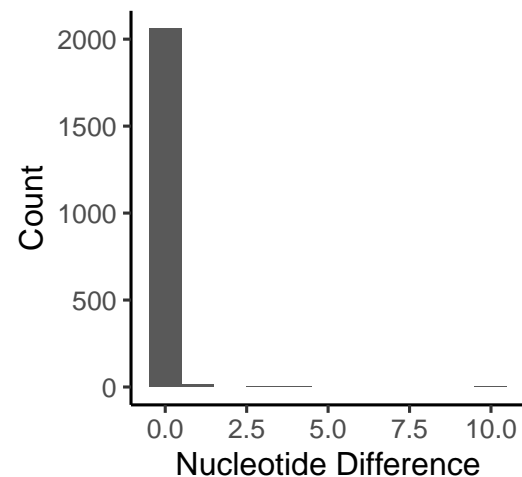
TRBV10-3*ap01

3866 sequences assigned
3823 (98.9%) exact matches, in which:
3753 unique CDR3
13 unique J



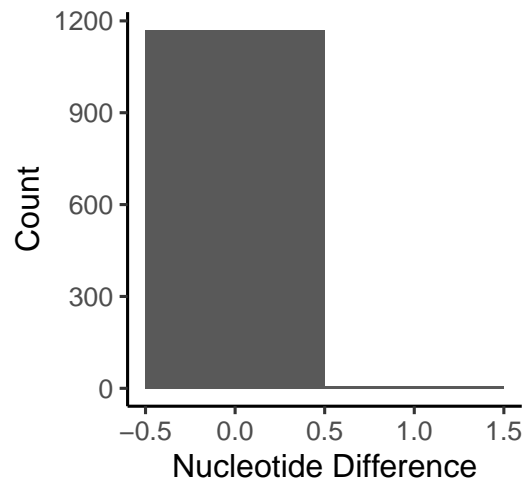
TRBV14*ap01

2080 sequences assigned
2060 (99%) exact matches, in which:
2043 unique CDR3
13 unique J



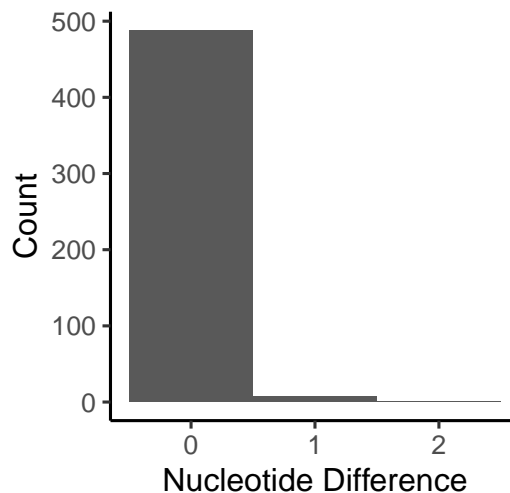
TRBV20-1*ap02

1178 sequences assigned
1170 (99.3%) exact matches, in which:
1162 unique CDR3
13 unique J



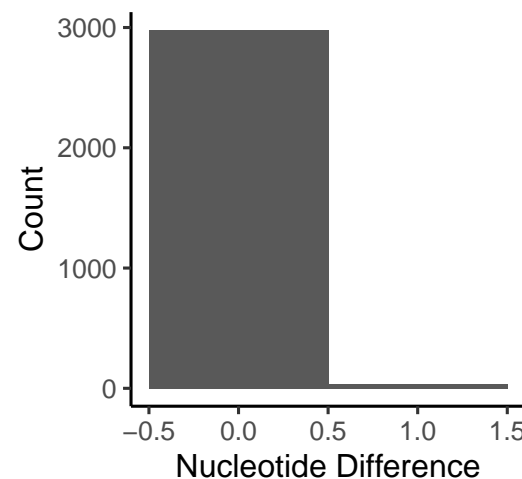
TRBV1*ap01

496 sequences assigned
488 (98.4%) exact matches, in which:
473 unique CDR3
13 unique J



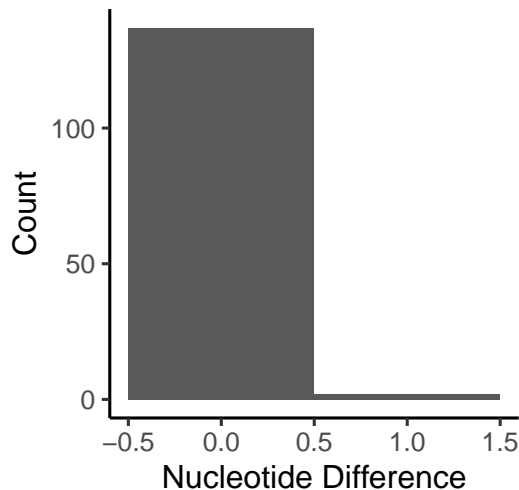
TRBV15*ap02

3013 sequences assigned
2979 (98.9%) exact matches, in which:
2926 unique CDR3
13 unique J



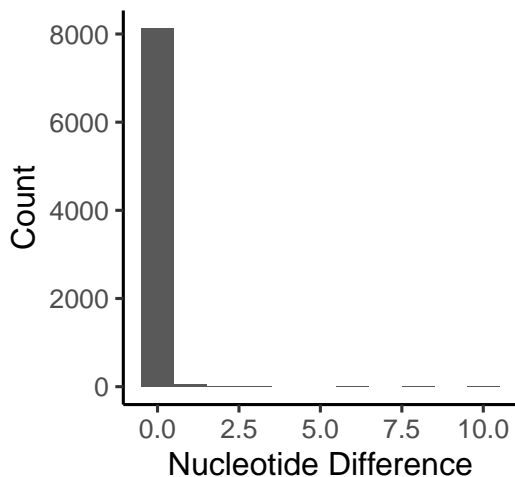
TRBV16*ap01

139 sequences assigned
137 (98.6%) exact matches, in which:
135 unique CDR3
11 unique J



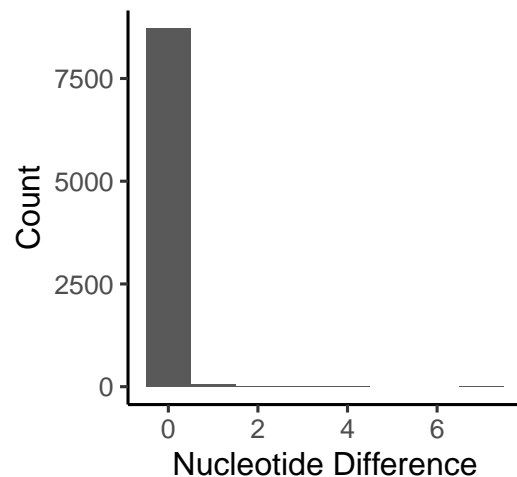
TRBV19*ap01

8194 sequences assigned
8127 (99.2%) exact matches, in which:
8082 unique CDR3
13 unique J



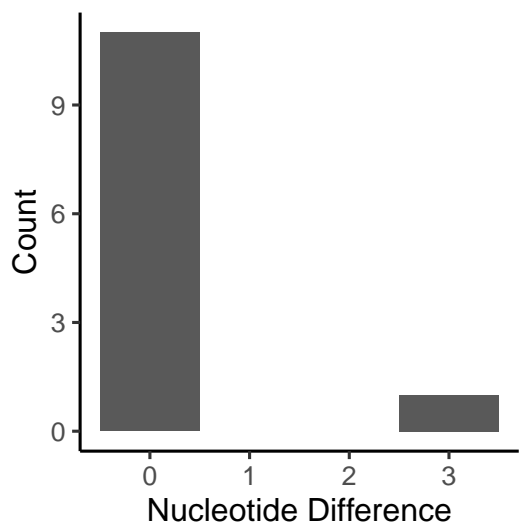
TRBV28*ap01

8793 sequences assigned
8719 (99.2%) exact matches, in which:
8616 unique CDR3
13 unique J



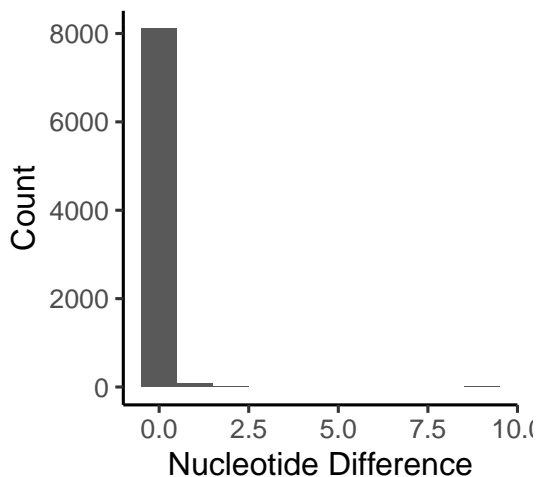
TRBV17*ap01

12 sequences assigned
11 (91.7%) exact matches, in which:
11 unique CDR3
7 unique J



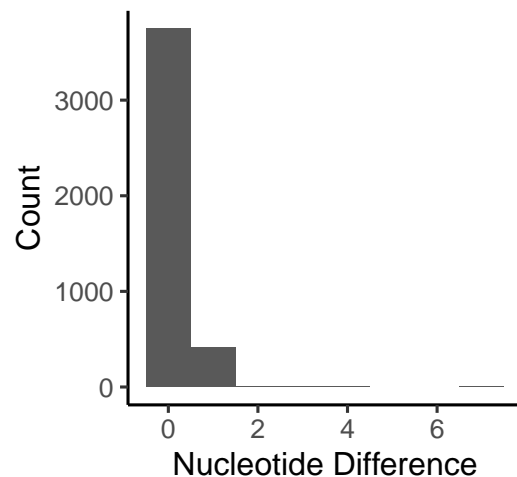
TRBV2*ap01

8198 sequences assigned
8108 (98.9%) exact matches, in which:
7967 unique CDR3
13 unique J



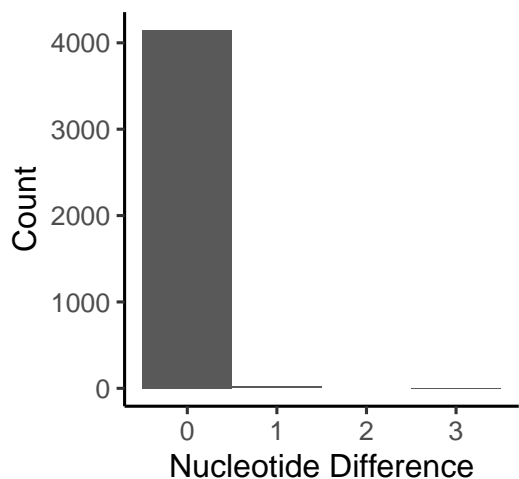
TRBV30*ap01

4173 sequences assigned
3747 (89.8%) exact matches, in which:
3672 unique CDR3
13 unique J



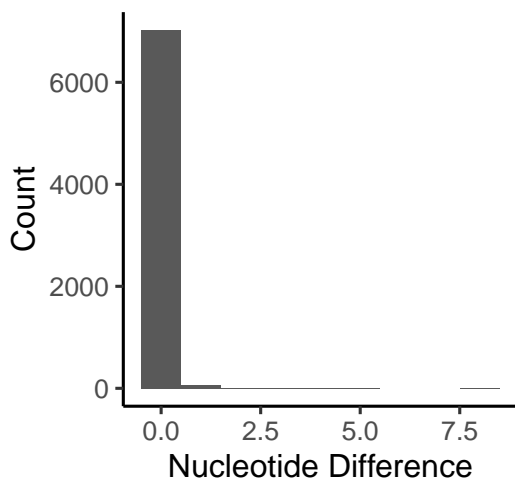
TRBV18*ap01

4171 sequences assigned
4148 (99.4%) exact matches, in which:
4117 unique CDR3
13 unique J



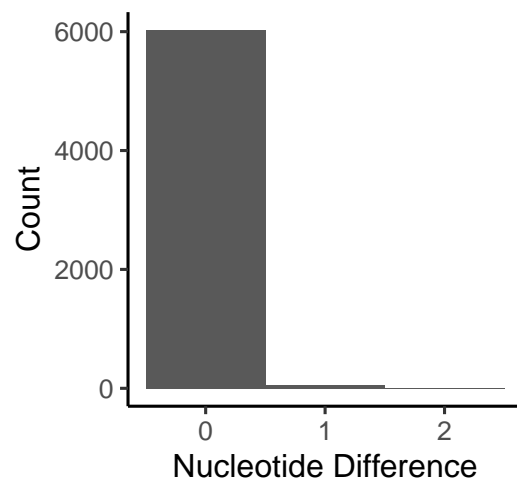
TRBV27*ap01

7100 sequences assigned
7025 (98.9%) exact matches, in which:
6873 unique CDR3
13 unique J



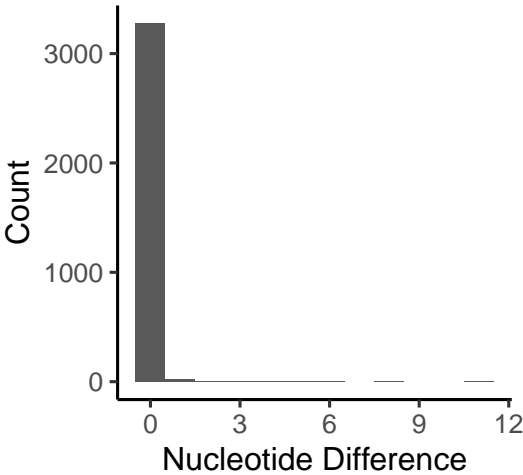
TRBV9*ap01

6081 sequences assigned
6027 (99.1%) exact matches, in which:
5948 unique CDR3
13 unique J



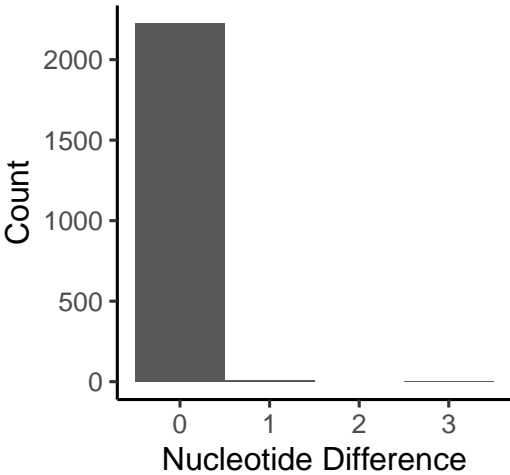
TRBV21-1*ap01

3319 sequences assigned
3276 (98.7%) exact matches, in which:
3254 unique CDR3
13 unique J



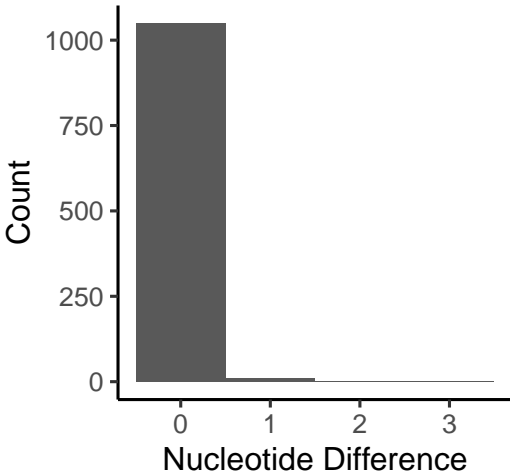
TRBV11-3*ap01

2235 sequences assigned
2225 (99.6%) exact matches, in which:
2204 unique CDR3
13 unique J



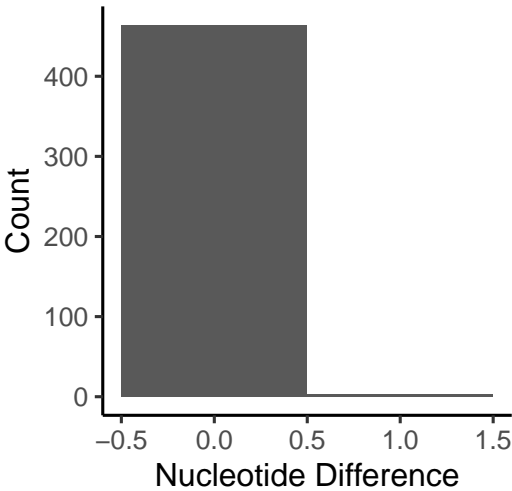
TRBV12-5*ap01

1061 sequences assigned
1049 (98.9%) exact matches, in which:
1035 unique CDR3
13 unique J



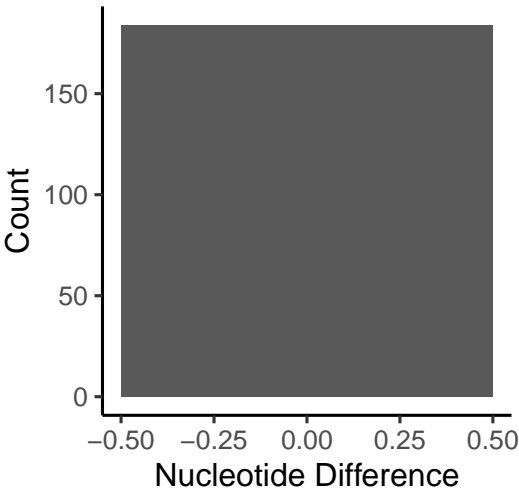
TRBV11-1*ap01

467 sequences assigned
464 (99.4%) exact matches, in which:
461 unique CDR3
13 unique J



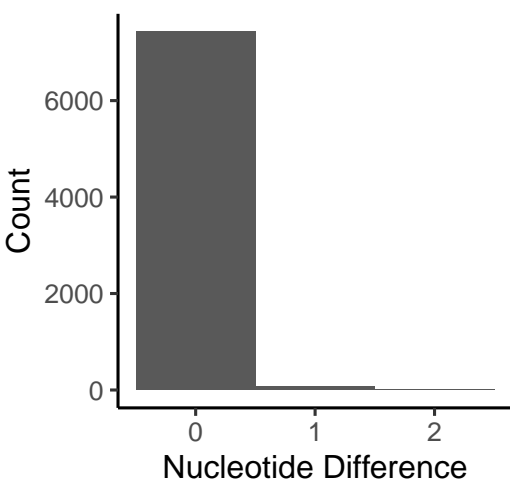
TRBV12-1*ap01

184 sequences assigned
184 (100%) exact matches, in which:
182 unique CDR3
12 unique J



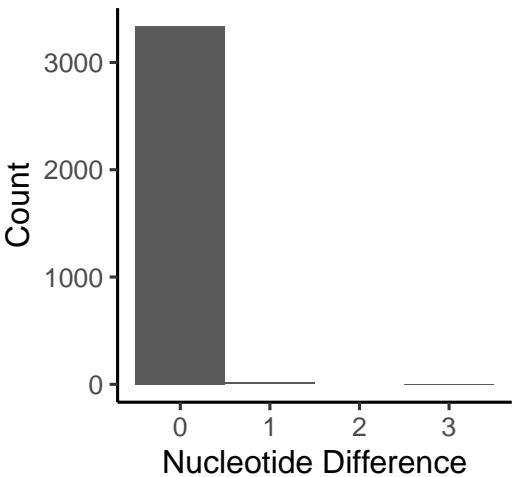
TRBV12-34*ap01

7501 sequences assigned
7428 (99%) exact matches, in which:
7316 unique CDR3
13 unique J



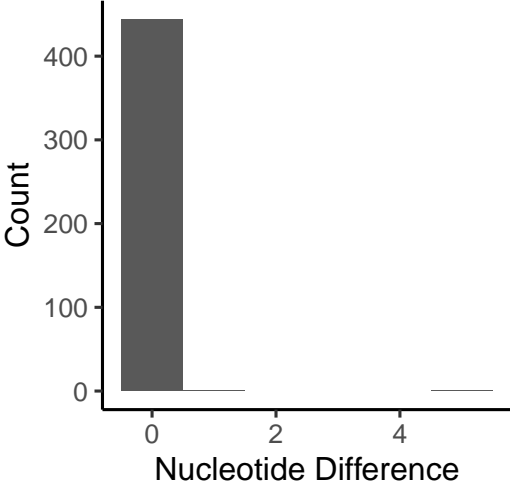
TRBV11-2*ap01

3357 sequences assigned
3339 (99.5%) exact matches, in which:
3306 unique CDR3
13 unique J



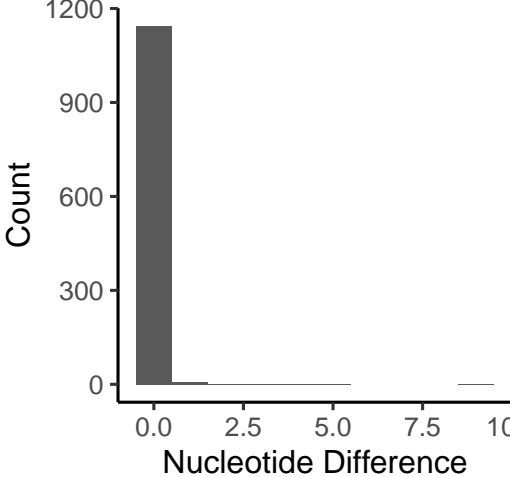
TRBV12-2*ap01

446 sequences assigned
444 (99.6%) exact matches, in which:
440 unique CDR3
13 unique J



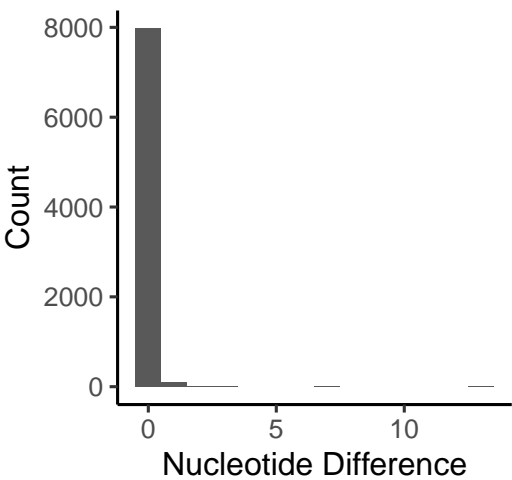
TRBV23-1*ap01

1158 sequences assigned
1144 (98.8%) exact matches, in which:
1131 unique CDR3
13 unique J



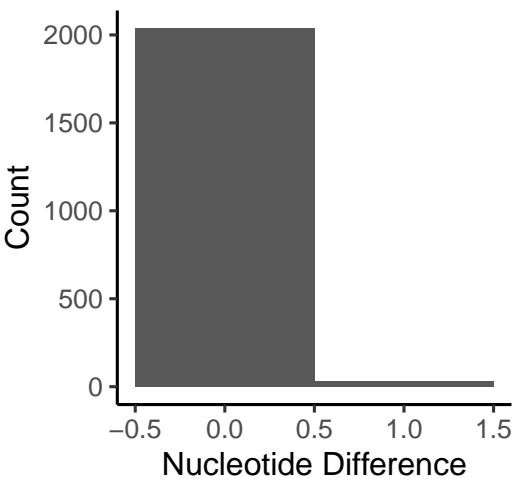
TRBV3-12*ap01

8073 sequences assigned
7977 (98.8%) exact matches, in which:
7821 unique CDR3
13 unique J



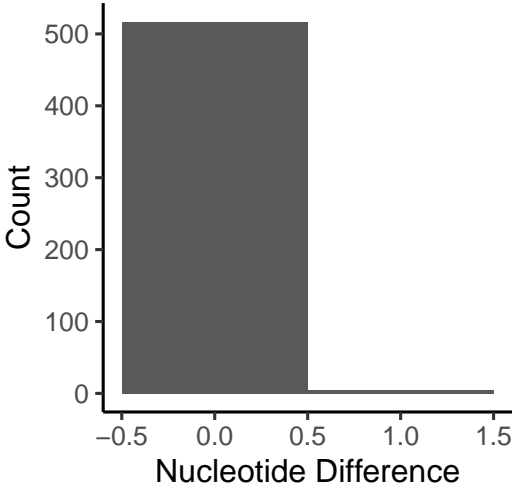
TRBV4-2*ap01

2067 sequences assigned
2037 (98.5%) exact matches, in which:
1997 unique CDR3
13 unique J



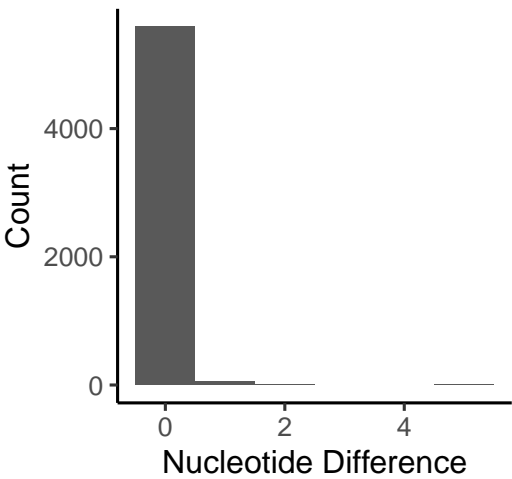
TRBV5-3*ap01

522 sequences assigned
517 (99%) exact matches, in which:
513 unique CDR3
13 unique J



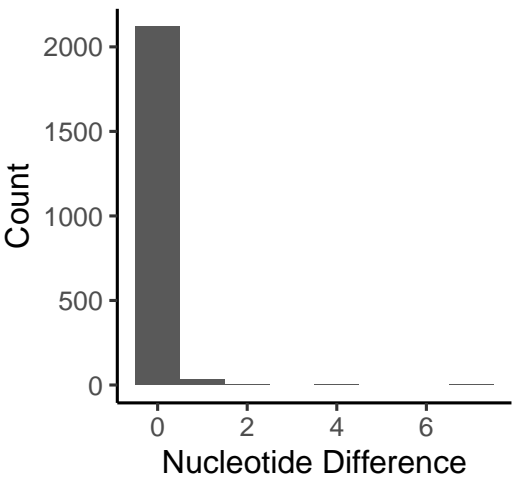
TRBV4-1*ap01

5648 sequences assigned
5589 (99%) exact matches, in which:
5446 unique CDR3
13 unique J



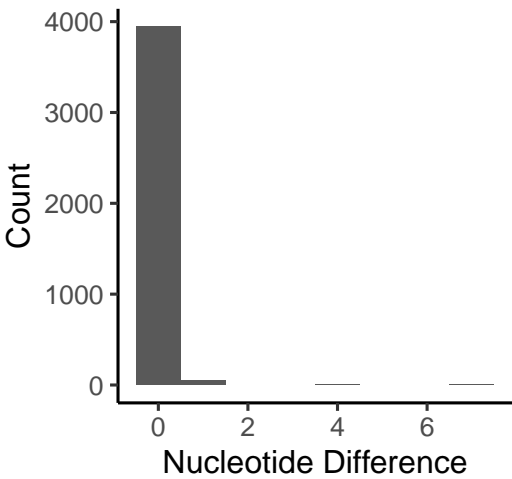
TRBV25-1*ap01

2158 sequences assigned
2119 (98.2%) exact matches, in which:
2070 unique CDR3
13 unique J



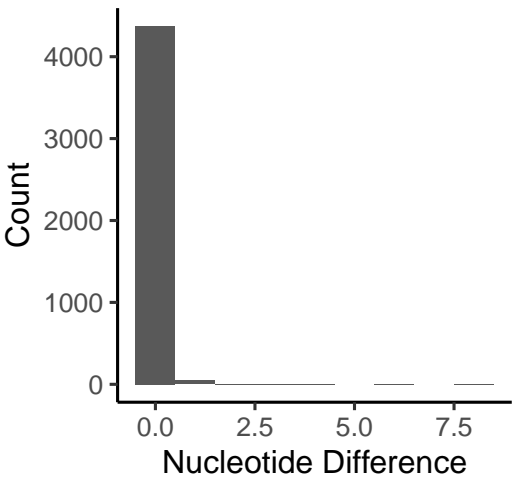
TRBV5-4*ap01

3998 sequences assigned
3944 (98.6%) exact matches, in which:
3875 unique CDR3
13 unique J



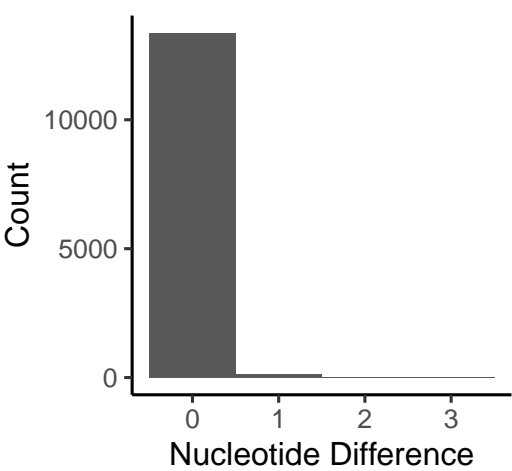
TRBV24-1*ap01

4427 sequences assigned
4374 (98.8%) exact matches, in which:
4303 unique CDR3
13 unique J



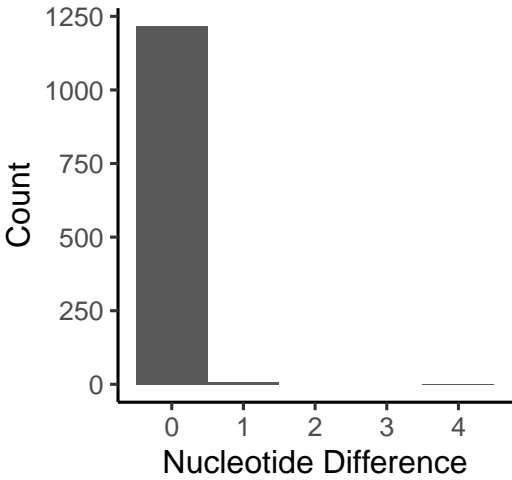
TRBV5-1*ap01

13528 sequences assigned
13375 (98.9%) exact matches, in which:
13044 unique CDR3
13 unique J



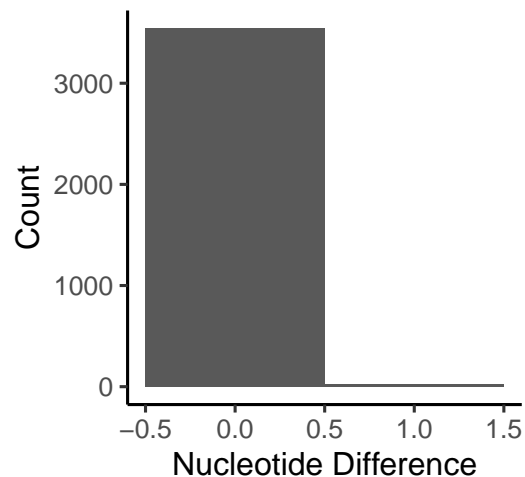
TRBV5-5*ap01

1226 sequences assigned
1217 (99.3%) exact matches, in which:
1208 unique CDR3
13 unique J



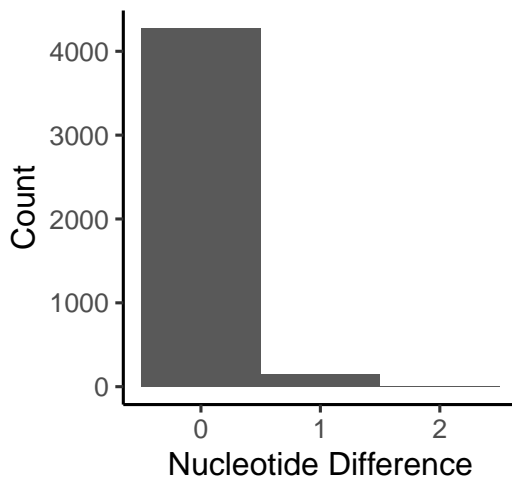
TRBV5-6*ap01

3568 sequences assigned
3542 (99.3%) exact matches, in which:
3440 unique CDR3
13 unique J



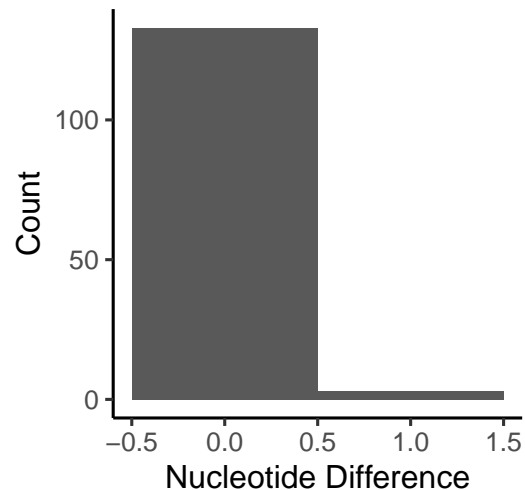
TRBV6-1*ap01

4425 sequences assigned
4273 (96.6%) exact matches, in which:
4169 unique CDR3
13 unique J



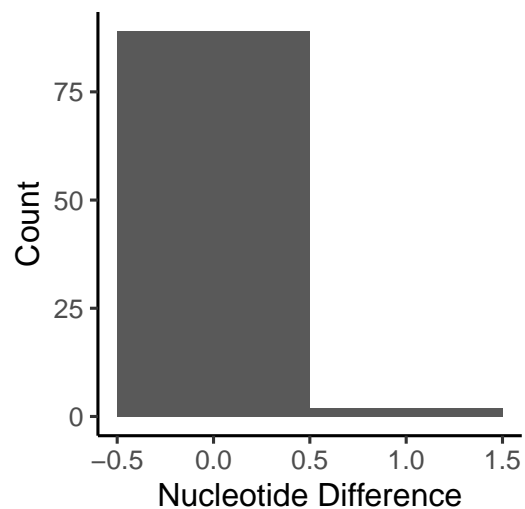
TRBV6-8*ap01

136 sequences assigned
133 (97.8%) exact matches, in which:
129 unique CDR3
12 unique J



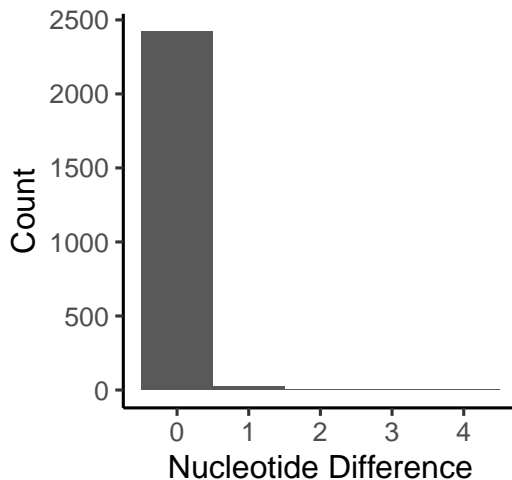
TRBV5-7*ap01

91 sequences assigned
89 (97.8%) exact matches, in which:
87 unique CDR3
13 unique J



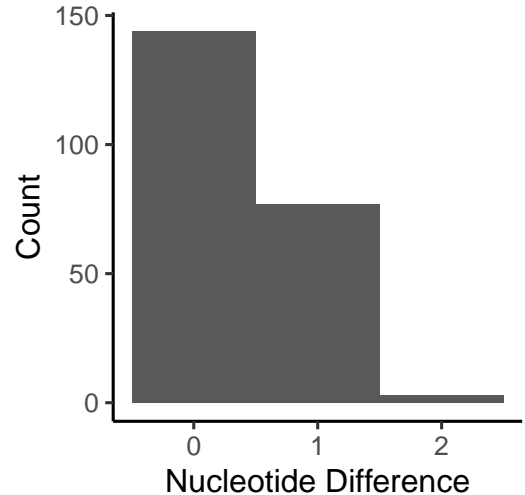
TRBV6-4*ap01

2447 sequences assigned
2420 (98.9%) exact matches, in which:
2394 unique CDR3
13 unique J



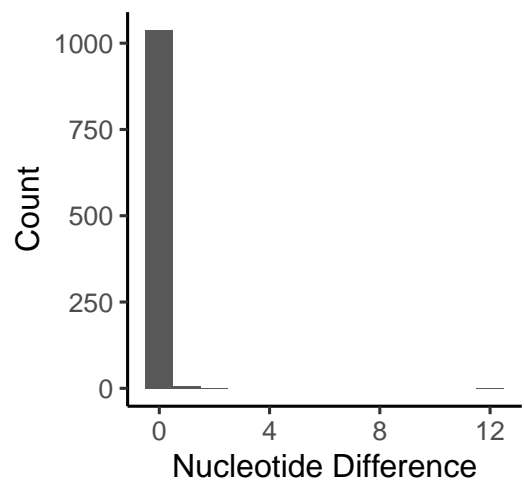
TRBV6-9*ap01

224 sequences assigned
144 (64.3%) exact matches, in which:
138 unique CDR3
13 unique J



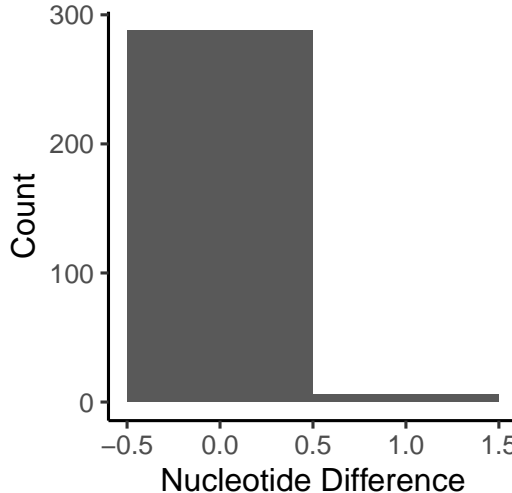
TRBV5-8*ap01

1047 sequences assigned
1038 (99.1%) exact matches, in which:
1028 unique CDR3
13 unique J



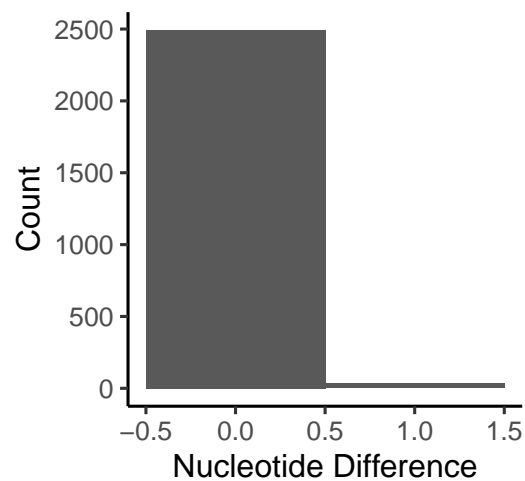
TRBV6-7*ap01

294 sequences assigned
288 (98%) exact matches, in which:
279 unique CDR3
13 unique J



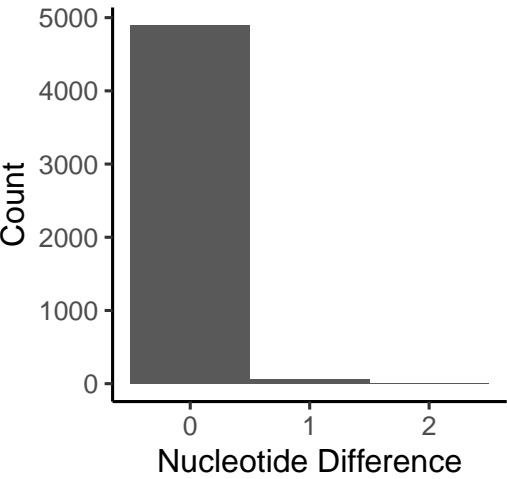
TRBV6-23*ap01

2526 sequences assigned
2493 (98.7%) exact matches, in which:
2409 unique CDR3
13 unique J



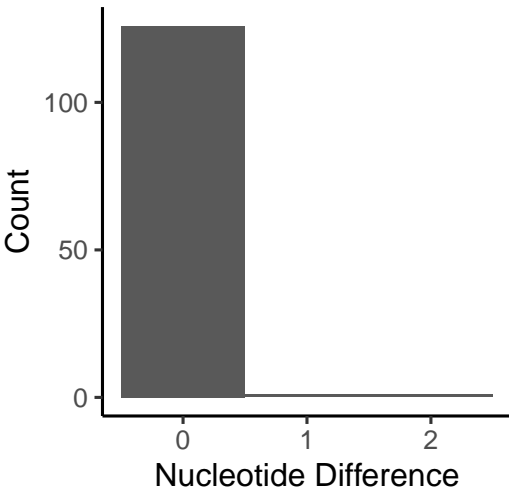
TRBV6-56*ap01

4961 sequences assigned
4894 (98.6%) exact matches, in which:
4772 unique CDR3
13 unique J



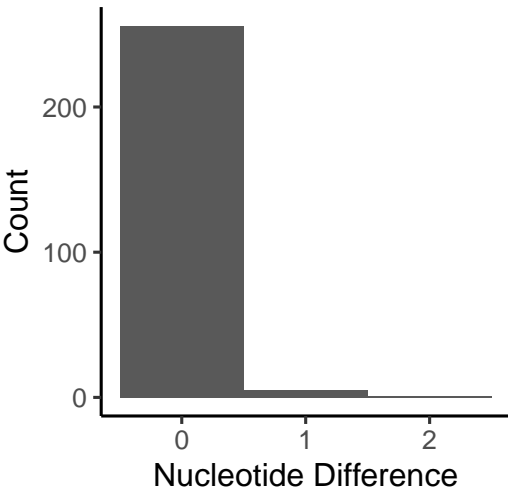
TRBV7-1*ap01_G291C_

128 sequences assigned
126 (98.4%) exact matches, in which:
125 unique CDR3
13 unique J



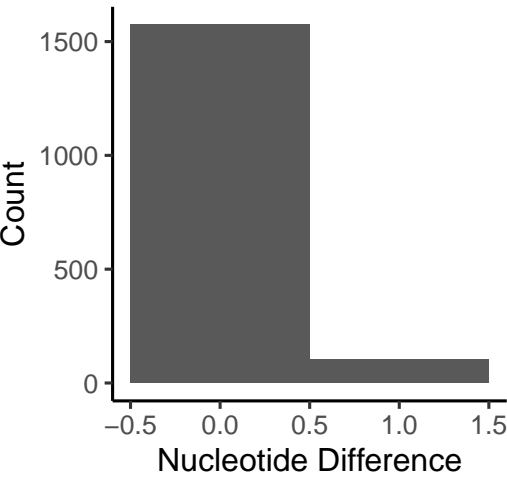
TRBV7-4*ap01

262 sequences assigned
256 (97.7%) exact matches, in which:
250 unique CDR3
13 unique J



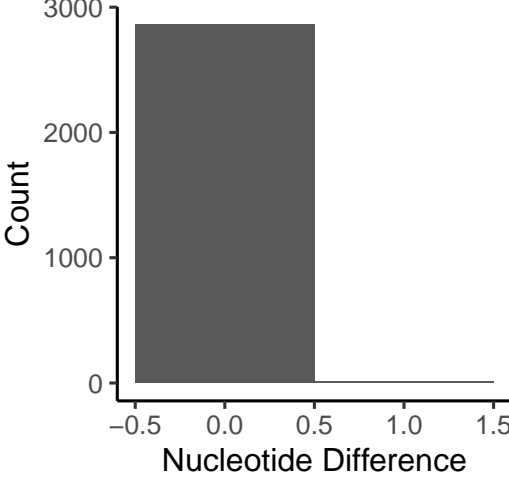
TRBV6-56*ap02

1677 sequences assigned
1574 (93.9%) exact matches, in which:
1537 unique CDR3
13 unique J



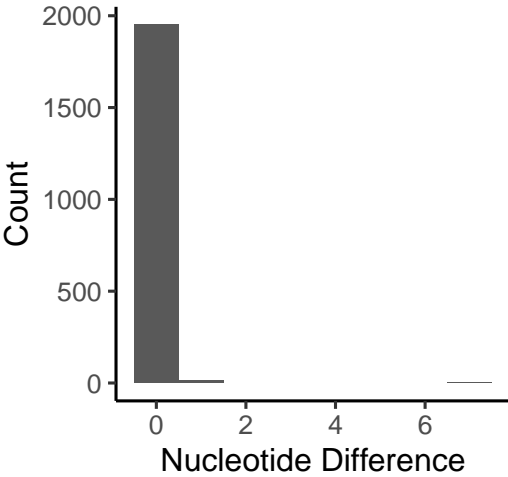
TRBV7-2*ap01

2873 sequences assigned
2860 (99.5%) exact matches, in which:
2823 unique CDR3
13 unique J



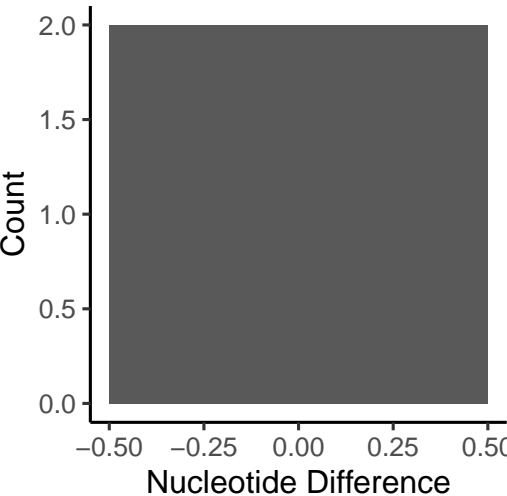
TRBV7-6*ap01

1968 sequences assigned
1951 (99.1%) exact matches, in which:
1920 unique CDR3
13 unique J



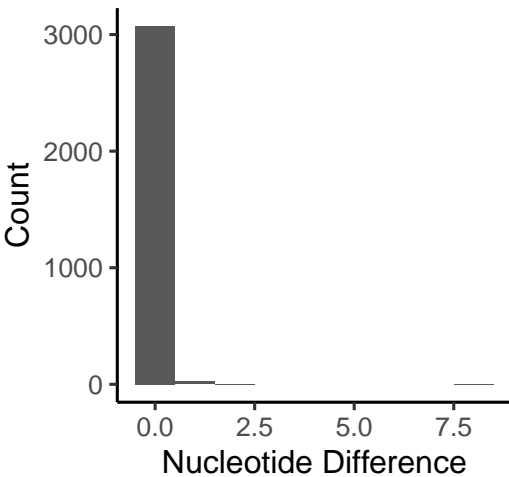
TRBV7-1*ap01

2 sequences assigned
2 (100%) exact matches, in which:
2 unique CDR3
2 unique J



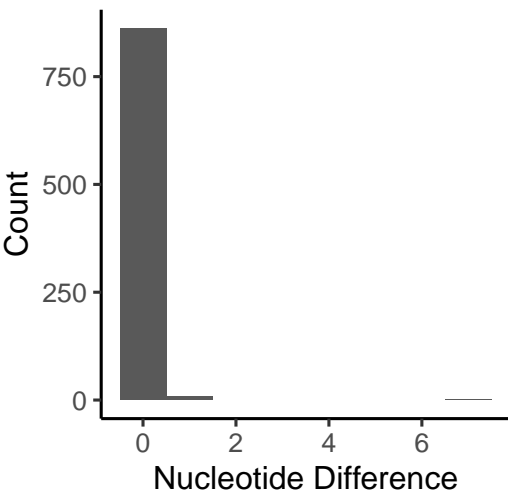
TRBV7-3*ap01

3101 sequences assigned
3073 (99.1%) exact matches, in which:
3042 unique CDR3
13 unique J



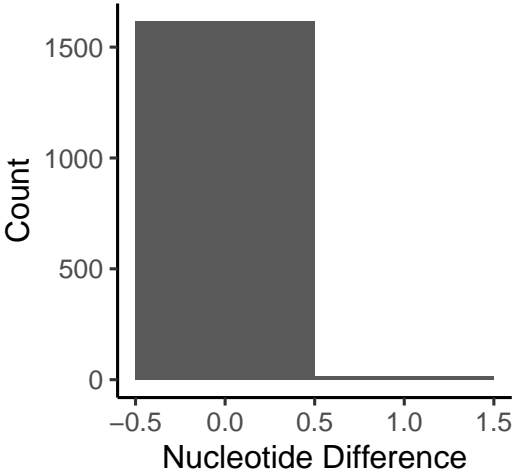
TRBV7-7*ap01_C315T

871 sequences assigned
862 (99%) exact matches, in which:
853 unique CDR3
13 unique J



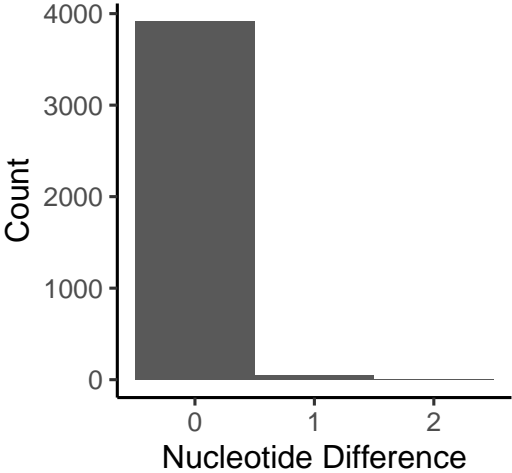
TRBV7-8*ap01

1632 sequences assigned
1616 (99%) exact matches, in which:
1587 unique CDR3
13 unique J



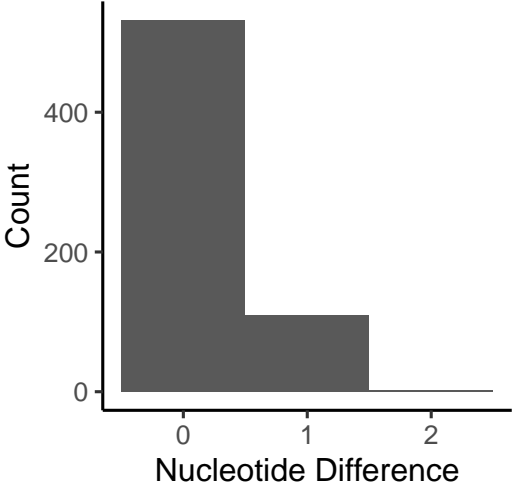
TRBV29-1*ap01

3965 sequences assigned
3915 (98.7%) exact matches, in which:
3816 unique CDR3
13 unique J



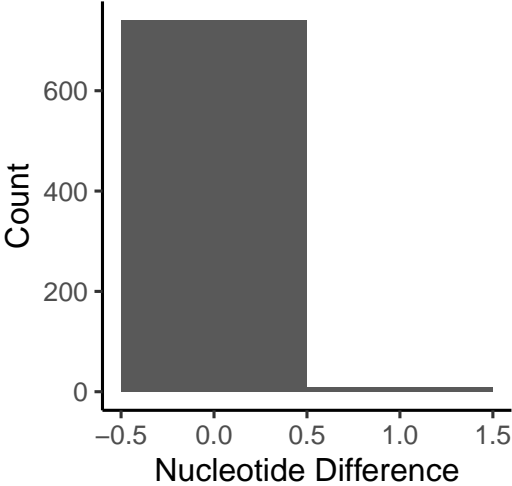
TRBV7-8*ap03

643 sequences assigned
532 (82.7%) exact matches, in which:
522 unique CDR3
13 unique J



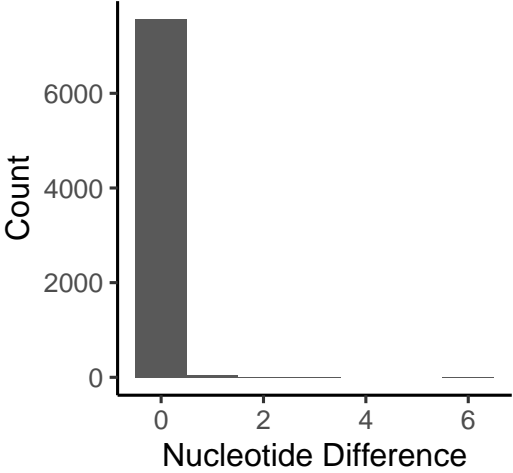
TRBV29-1*ap02

750 sequences assigned
741 (98.8%) exact matches, in which:
717 unique CDR3
13 unique J

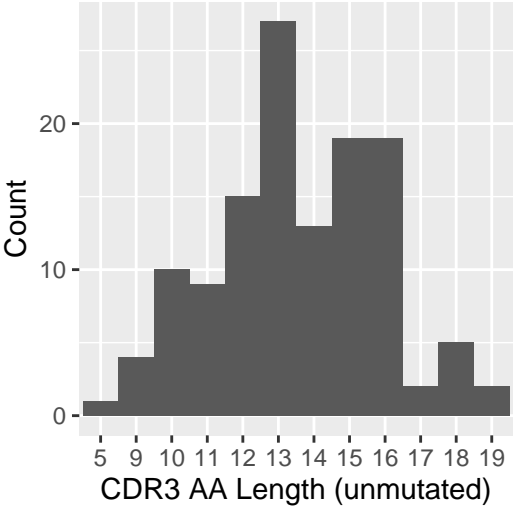


TRBV7-9*ap01

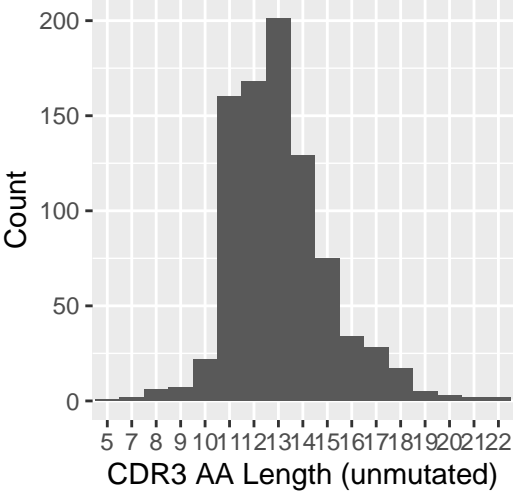
7627 sequences assigned
7569 (99.2%) exact matches, in which:
7488 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]