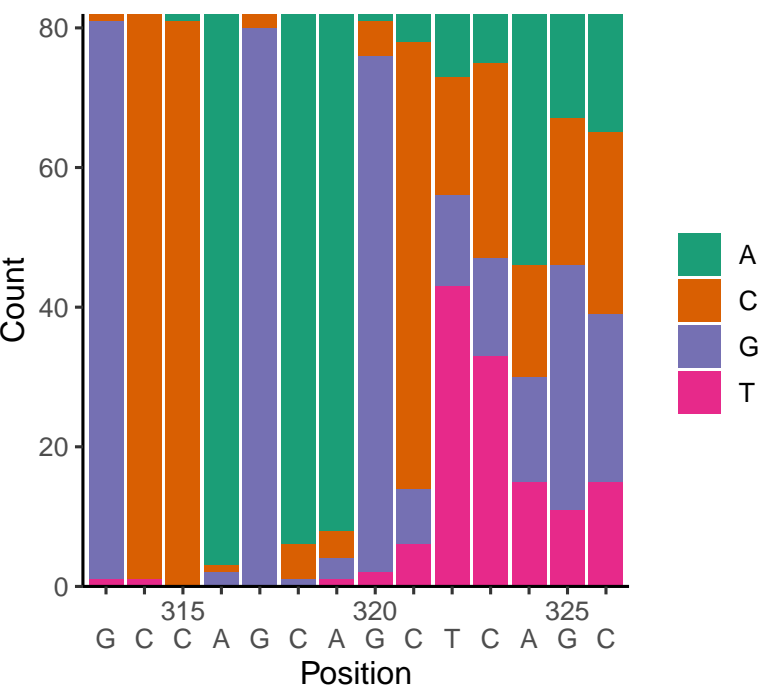
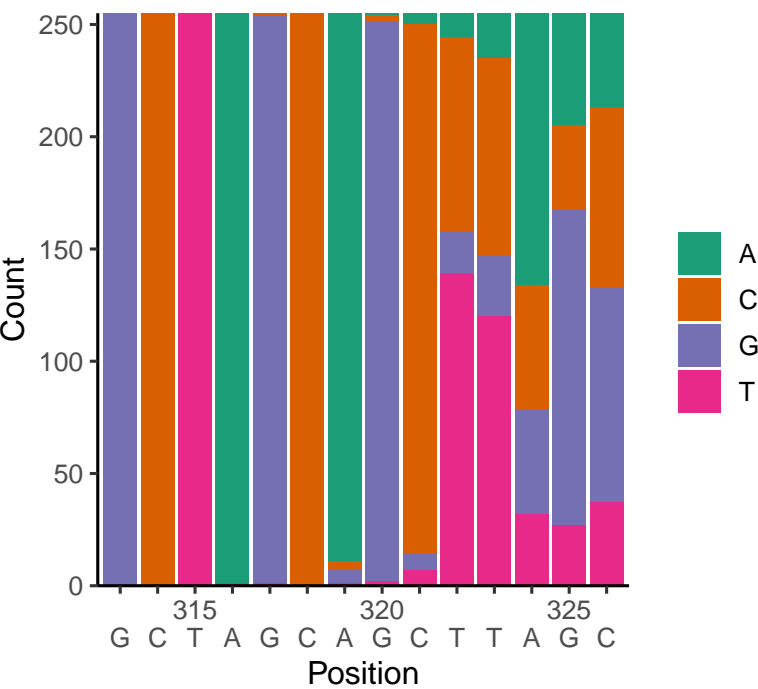


Gene TRBV7-1*ap01_G291C_T296C



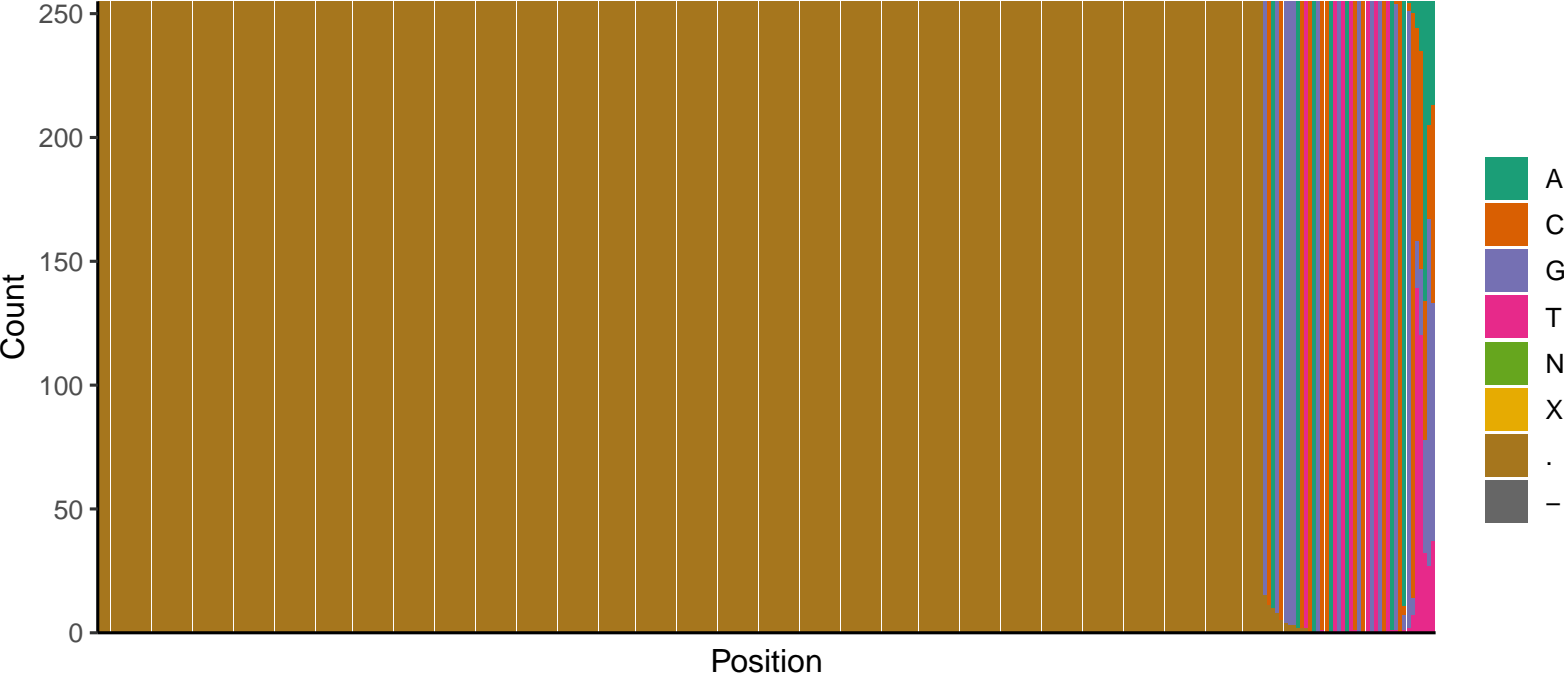
Gene TRBV7-7*ap01_C315T



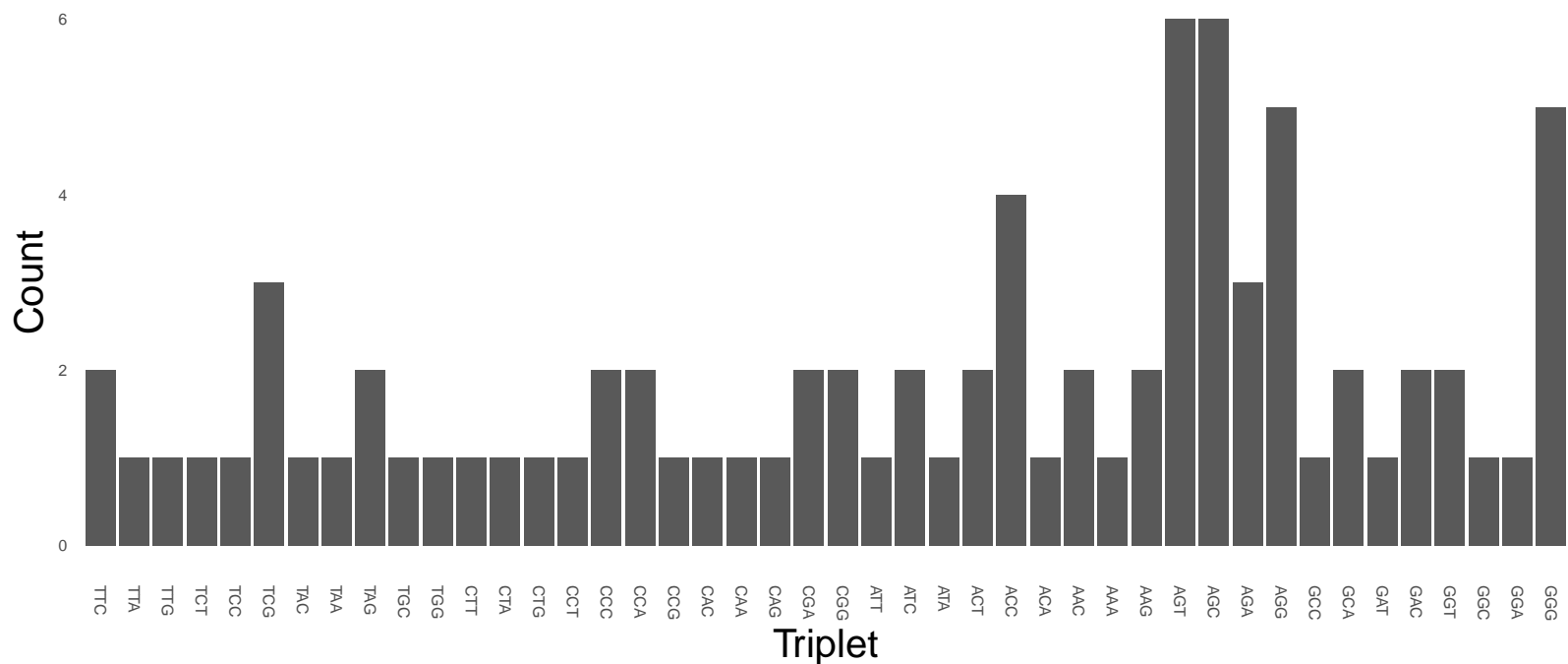
Gene TRBV7-1*ap01_G291C_T296C



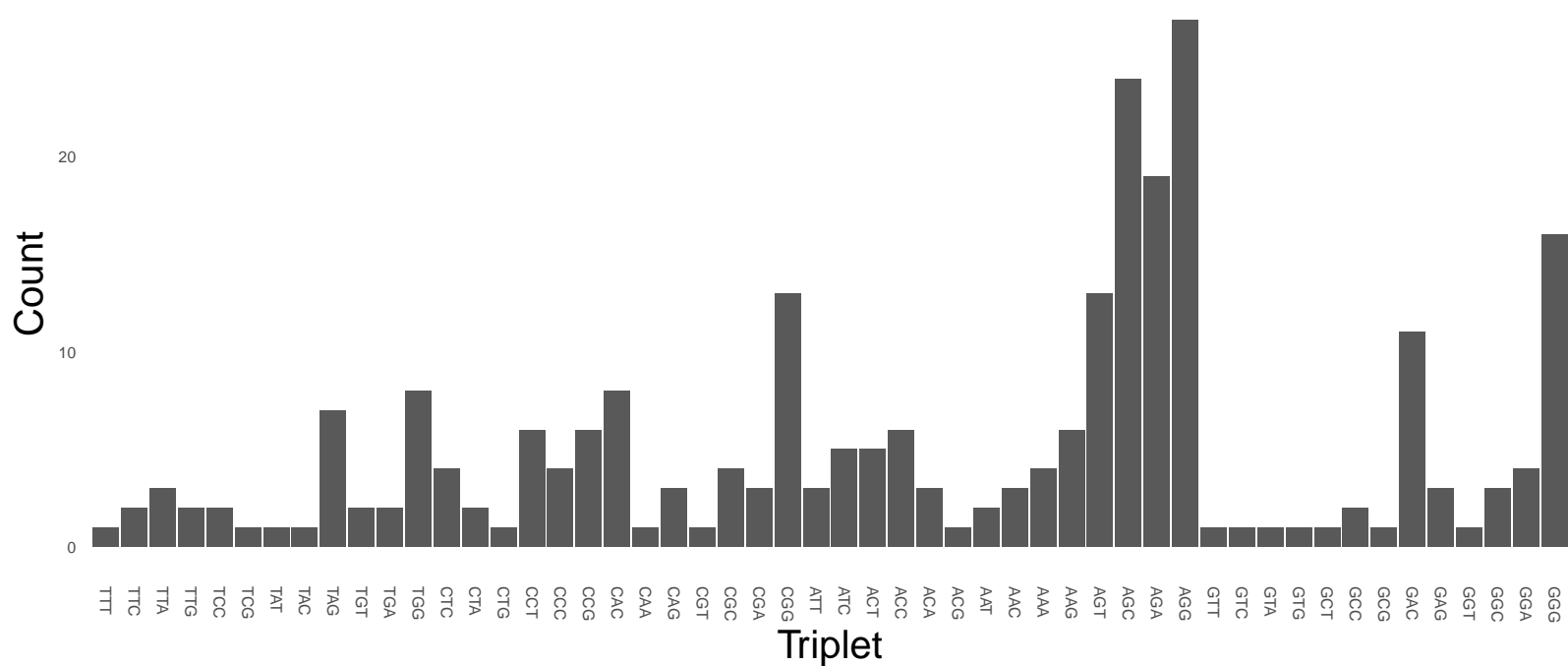
Gene TRBV7-7*ap01_C315T



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

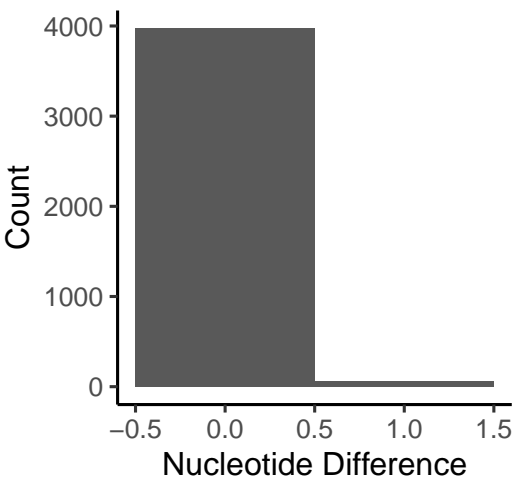


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



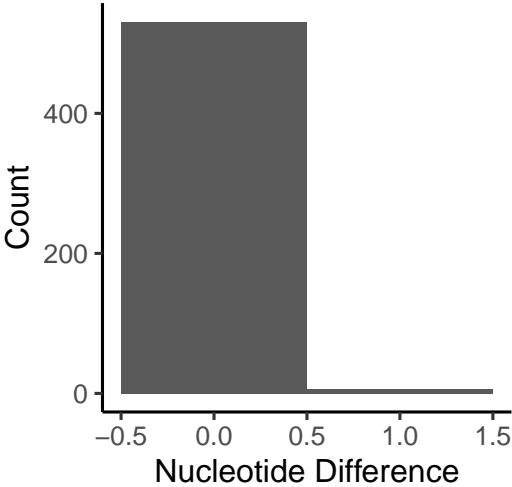
TRBV20–1*ap01

4032 sequences assigned
3973 (98.5%) exact matches, in which:
3889 unique CDR3
13 unique J



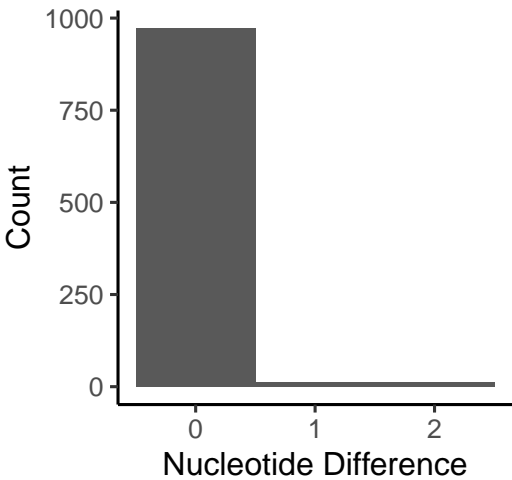
TRBV10–2*ap01

537 sequences assigned
531 (98.9%) exact matches, in which:
524 unique CDR3
13 unique J



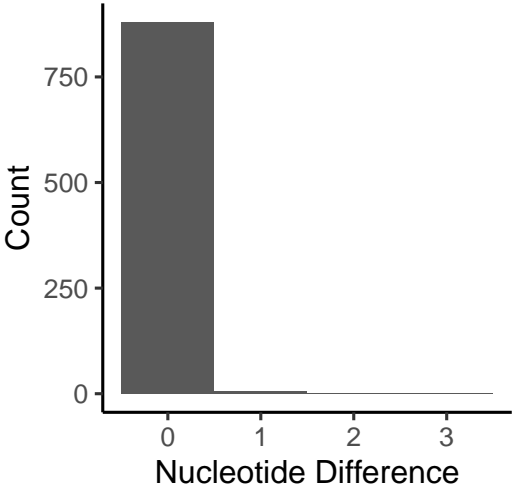
TRBV13*ap01

996 sequences assigned
972 (97.6%) exact matches, in which:
946 unique CDR3
13 unique J



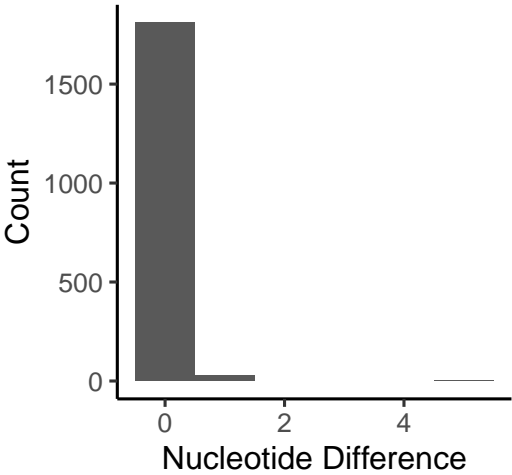
TRBV10–1*ap01

889 sequences assigned
880 (99%) exact matches, in which:
866 unique CDR3
13 unique J



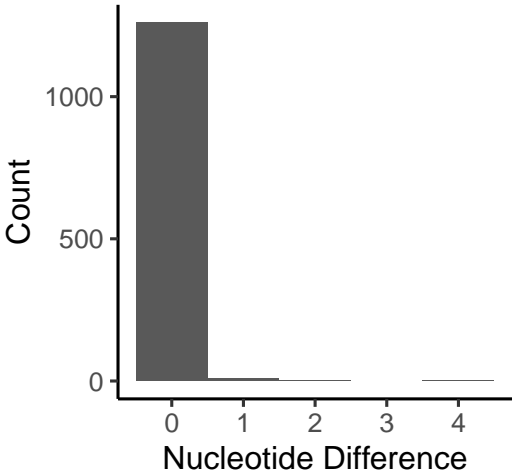
TRBV10–3*ap01

1839 sequences assigned
1810 (98.4%) exact matches, in which:
1764 unique CDR3
13 unique J



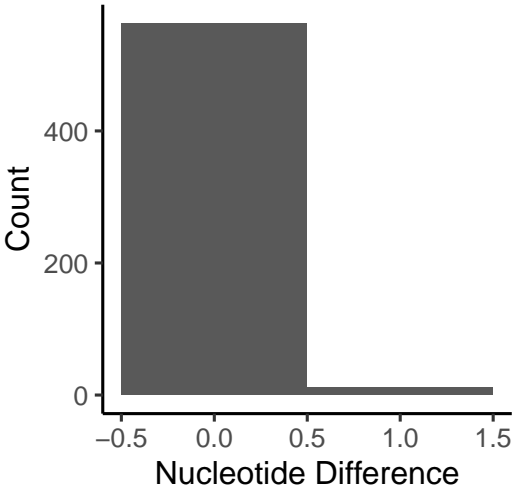
TRBV14*ap01

1271 sequences assigned
1260 (99.1%) exact matches, in which:
1241 unique CDR3
13 unique J



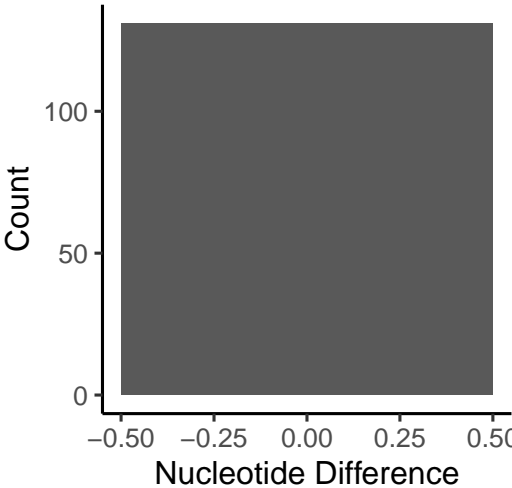
TRBV20–1*ap02

574 sequences assigned
563 (98.1%) exact matches, in which:
548 unique CDR3
13 unique J



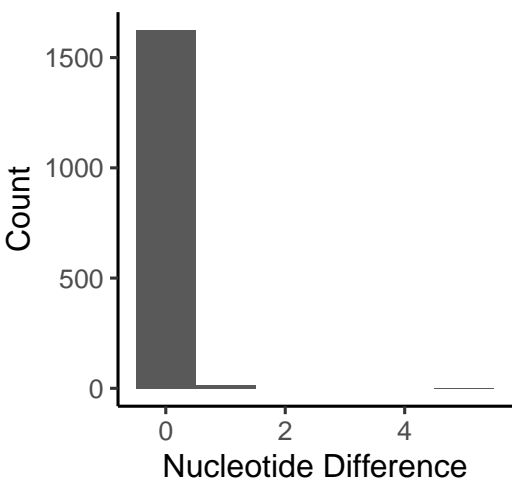
TRBV1*ap01

131 sequences assigned
131 (100%) exact matches, in which:
126 unique CDR3
13 unique J



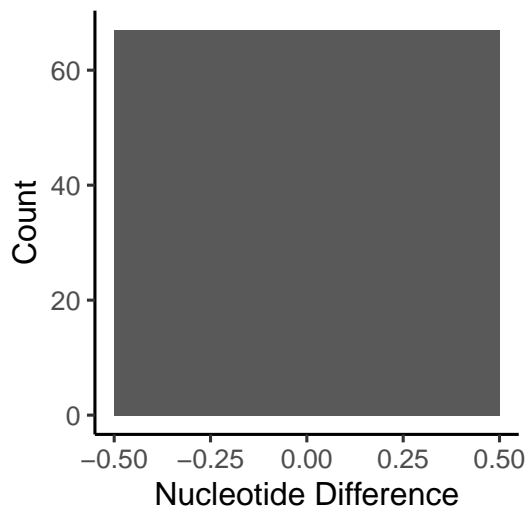
TRBV15*ap02

1641 sequences assigned
1625 (99%) exact matches, in which:
1582 unique CDR3
13 unique J



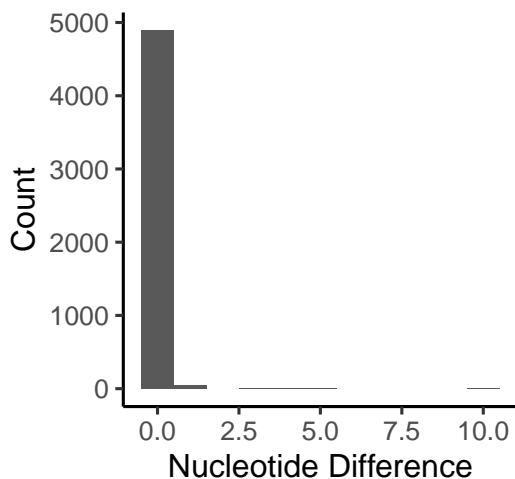
TRBV16*ap01

67 sequences assigned
67 (100%) exact matches, in which:
67 unique CDR3
13 unique J



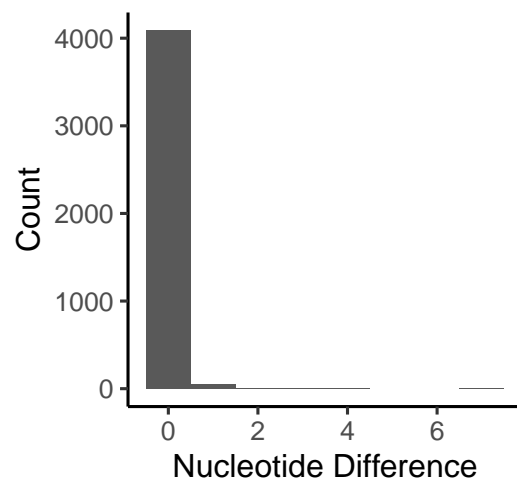
TRBV19*ap01

4940 sequences assigned
4892 (99%) exact matches, in which:
4842 unique CDR3
13 unique J



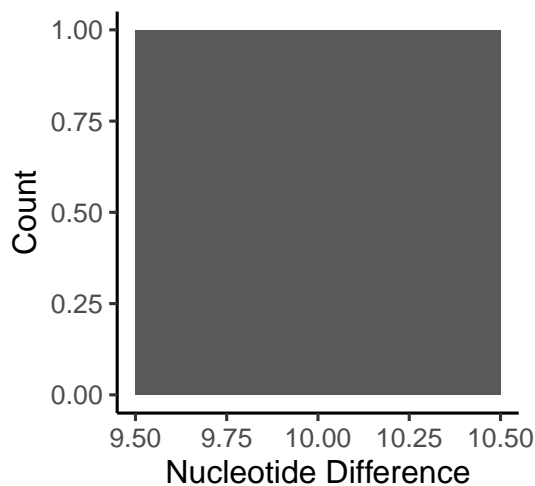
TRBV27*ap01

4149 sequences assigned
4089 (98.6%) exact matches, in which:
3988 unique CDR3
13 unique J



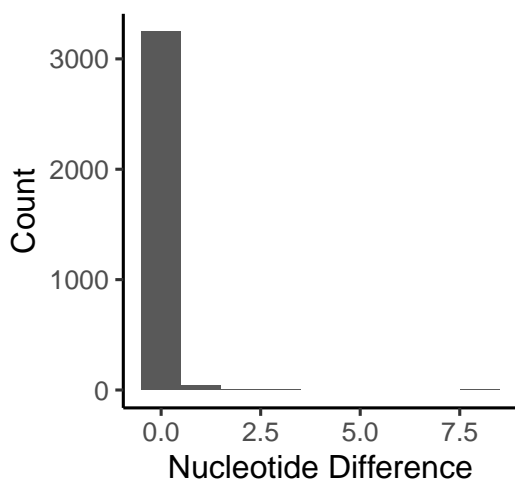
TRBV17*ap01

1 sequences assigned
No exact matches.



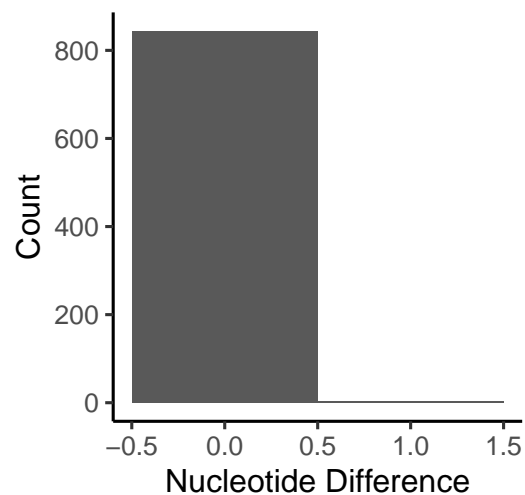
TRBV2*ap01

3290 sequences assigned
3246 (98.7%) exact matches, in which:
3188 unique CDR3
13 unique J



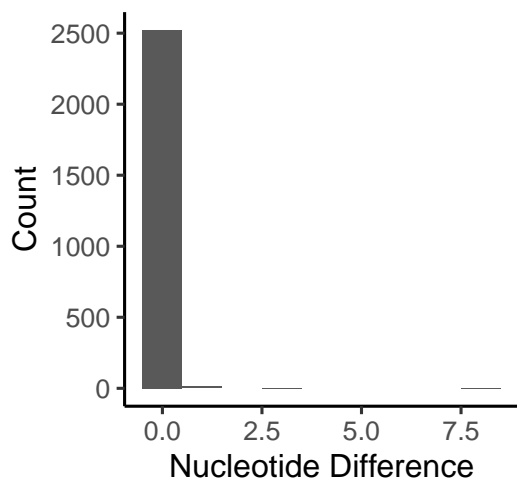
TRBV28*ap01

847 sequences assigned
844 (99.6%) exact matches, in which:
828 unique CDR3
13 unique J



TRBV18*ap01

2536 sequences assigned
2522 (99.4%) exact matches, in which:
2494 unique CDR3
13 unique J



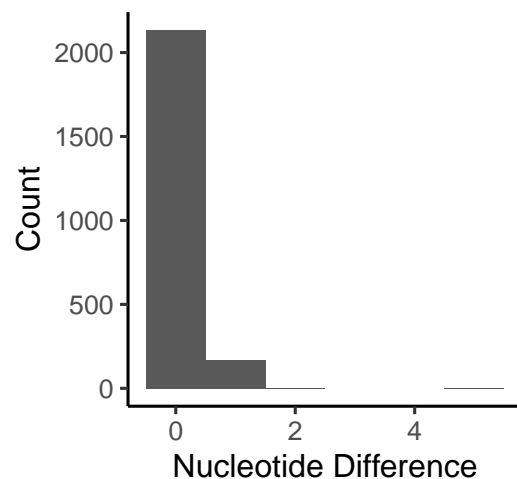
TRBV26*ap01

1 sequences assigned
No exact matches.



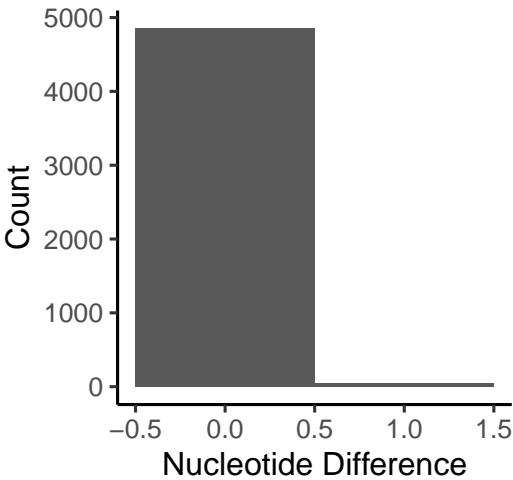
TRBV30*ap01

2304 sequences assigned
2134 (92.6%) exact matches, in which:
2098 unique CDR3
13 unique J



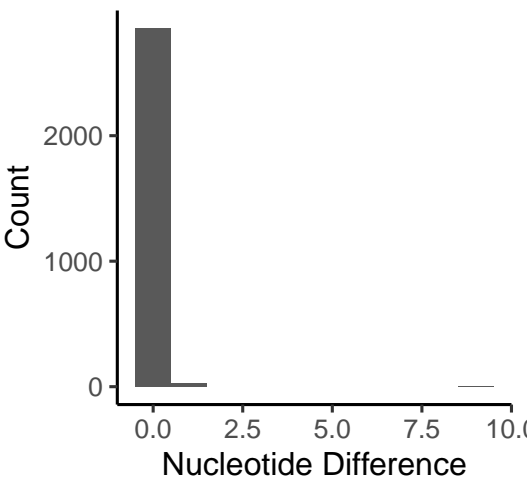
TRBV9*ap01

4907 sequences assigned
4853 (98.9%) exact matches, in which:
4770 unique CDR3
13 unique J



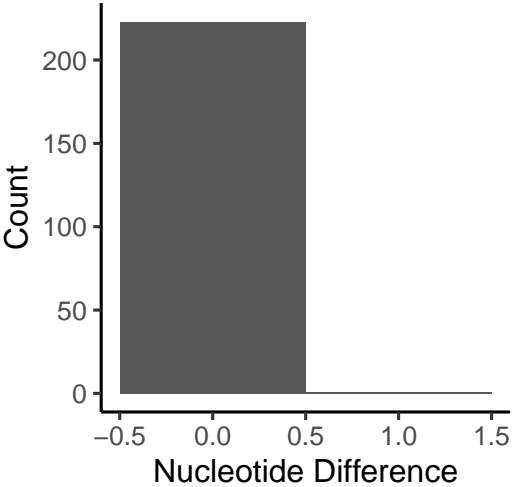
TRBV11-2*ap01

2881 sequences assigned
2855 (99.1%) exact matches, in which:
2797 unique CDR3
13 unique J



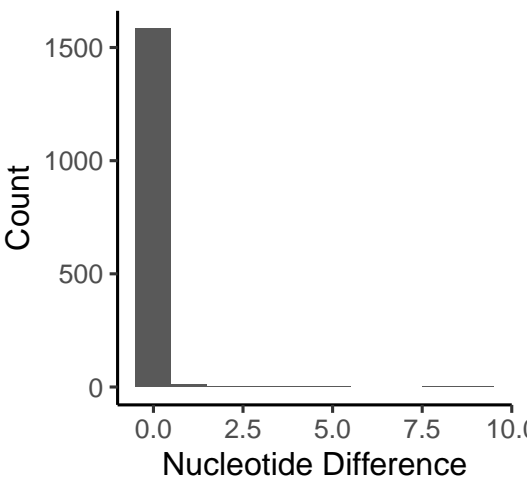
TRBV12-2*ap01

224 sequences assigned
223 (99.6%) exact matches, in which:
221 unique CDR3
13 unique J



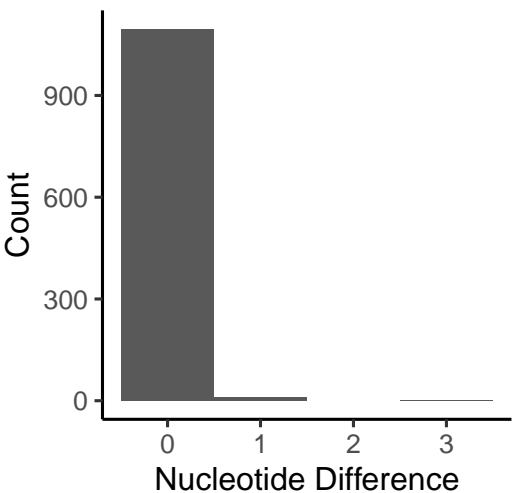
TRBV21-1*ap01

1605 sequences assigned
1583 (98.6%) exact matches, in which:
1556 unique CDR3
13 unique J



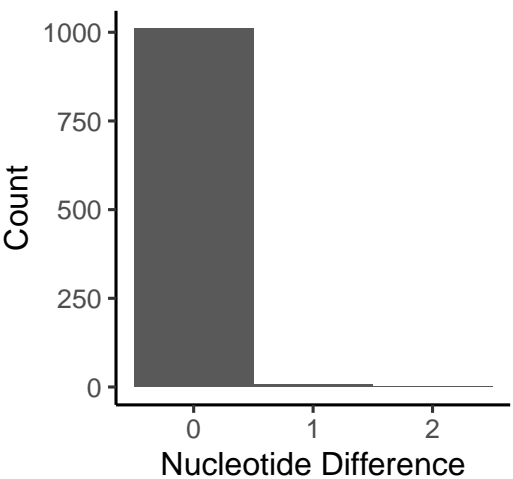
TRBV11-3*ap01

1107 sequences assigned
1096 (99%) exact matches, in which:
1073 unique CDR3
13 unique J



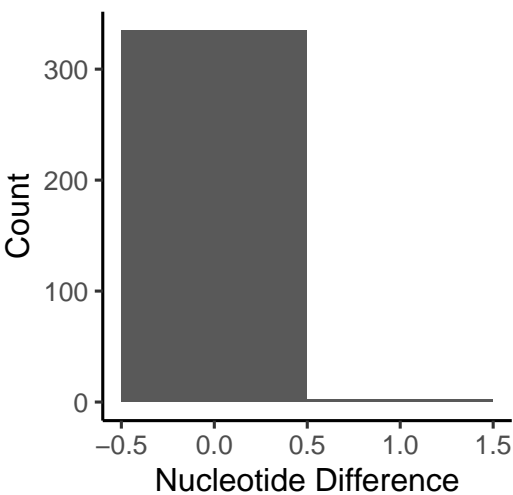
TRBV12-5*ap01

1019 sequences assigned
1010 (99.1%) exact matches, in which:
993 unique CDR3
13 unique J



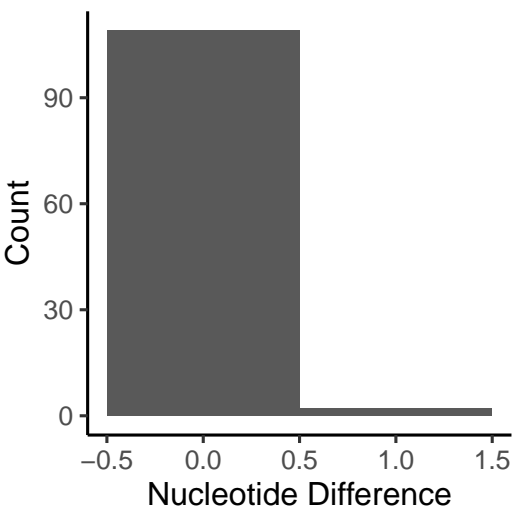
TRBV11-1*ap01

337 sequences assigned
335 (99.4%) exact matches, in which:
327 unique CDR3
13 unique J



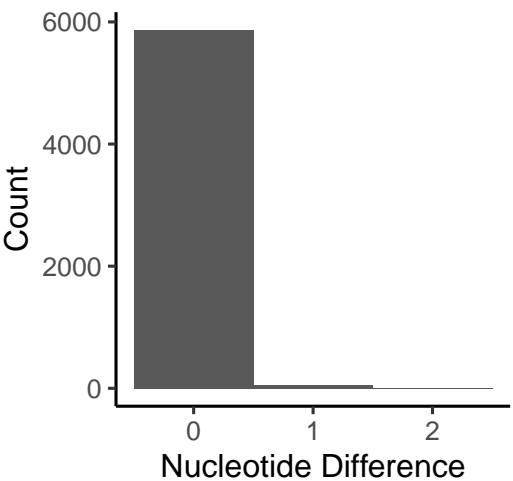
TRBV12-1*ap01

111 sequences assigned
109 (98.2%) exact matches, in which:
107 unique CDR3
12 unique J



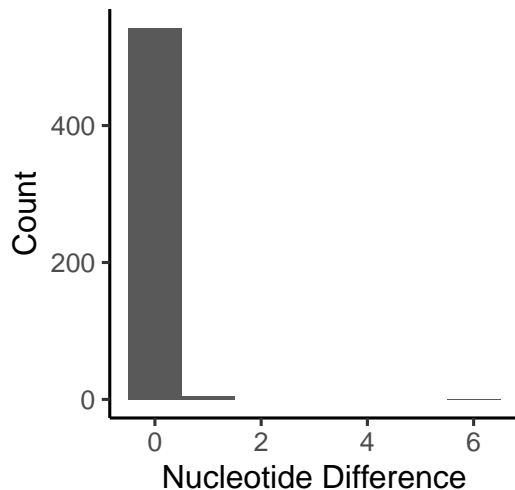
TRBV12-34*ap01

5922 sequences assigned
5867 (99.1%) exact matches, in which:
5752 unique CDR3
13 unique J



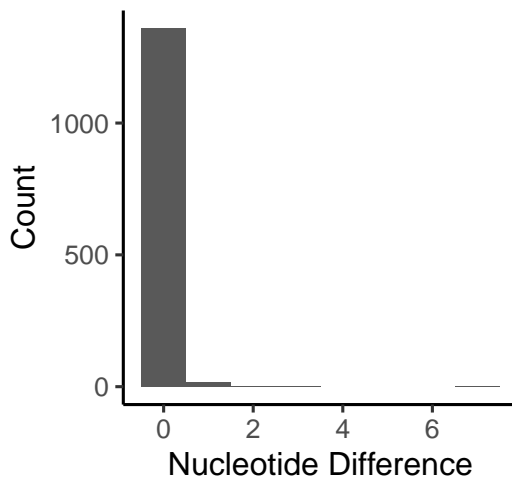
TRBV23-1*ap01

549 sequences assigned
543 (98.9%) exact matches, in which:
531 unique CDR3
13 unique J



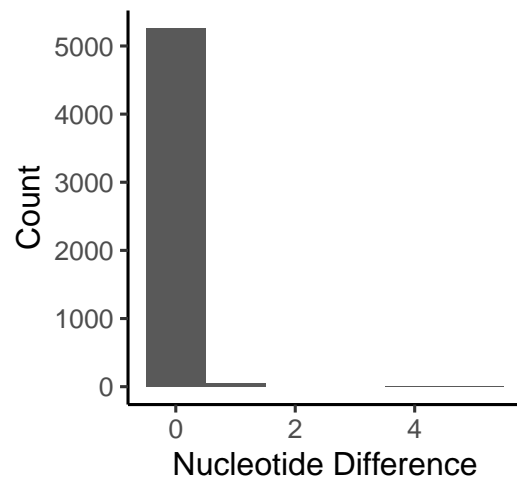
TRBV24-1*ap01

1378 sequences assigned
1359 (98.6%) exact matches, in which:
1332 unique CDR3
13 unique J



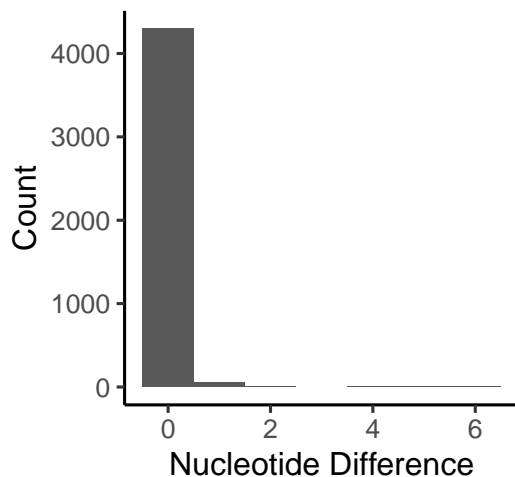
TRBV5-1*ap01

5312 sequences assigned
5258 (99%) exact matches, in which:
5100 unique CDR3
13 unique J



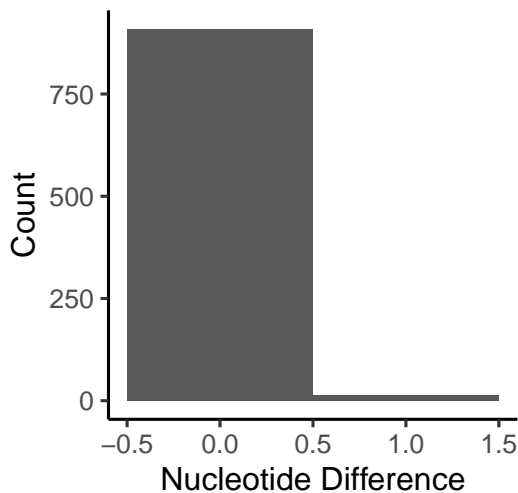
TRBV3-12*ap01

4356 sequences assigned
4297 (98.6%) exact matches, in which:
4167 unique CDR3
13 unique J



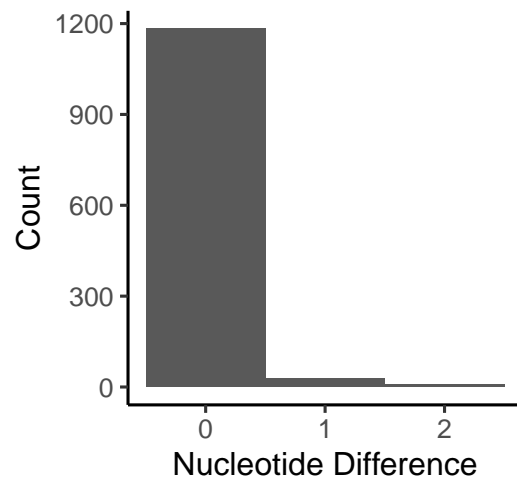
TRBV4-2*ap01

923 sequences assigned
909 (98.5%) exact matches, in which:
886 unique CDR3
13 unique J



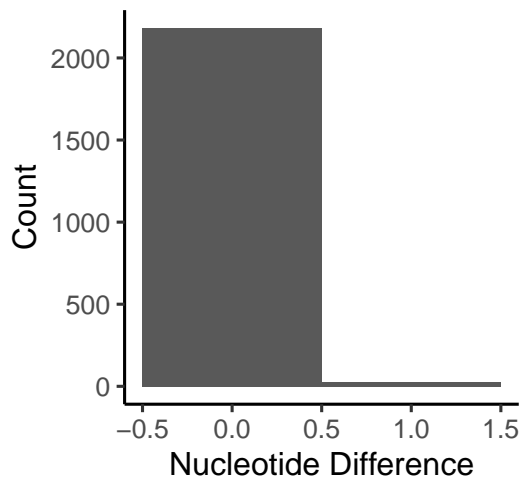
TRBV25-1*ap01

1217 sequences assigned
1183 (97.2%) exact matches, in which:
1166 unique CDR3
13 unique J



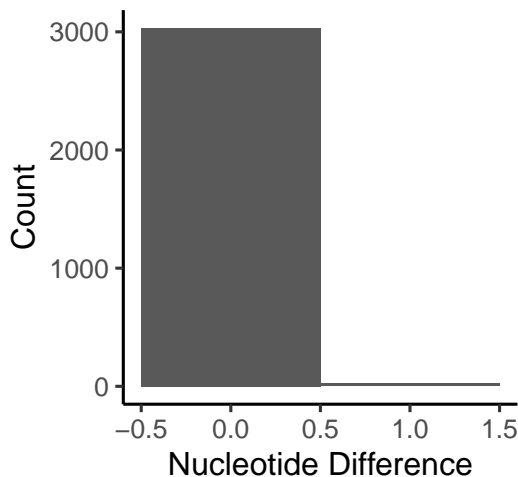
TRBV4-1*ap01

2208 sequences assigned
2182 (98.8%) exact matches, in which:
2130 unique CDR3
13 unique J



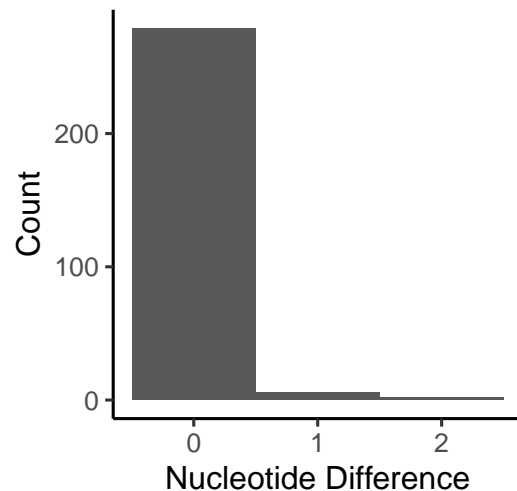
TRBV4-3*ap01

3056 sequences assigned
3032 (99.2%) exact matches, in which:
2965 unique CDR3
13 unique J



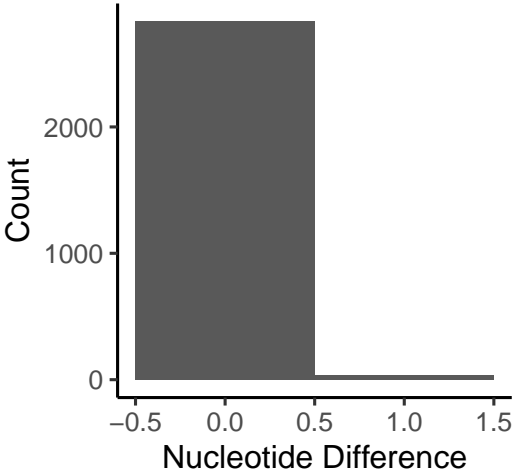
TRBV5-3*ap01

287 sequences assigned
279 (97.2%) exact matches, in which:
274 unique CDR3
13 unique J



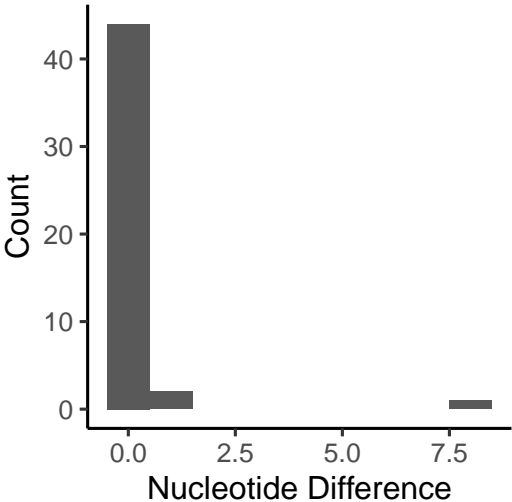
TRBV5-4*ap01

2872 sequences assigned
2835 (98.7%) exact matches, in which:
2755 unique CDR3
13 unique J



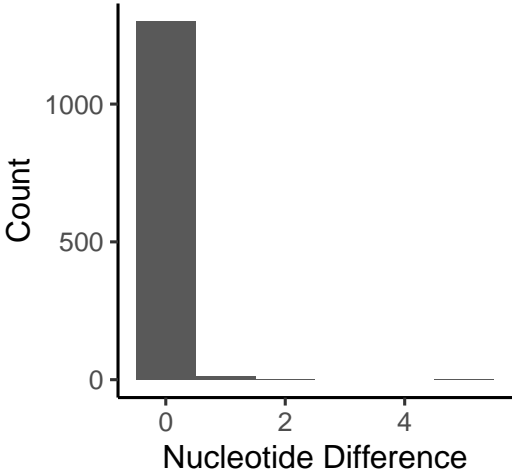
TRBV5-7*ap01

47 sequences assigned
44 (93.6%) exact matches, in which:
42 unique CDR3
11 unique J



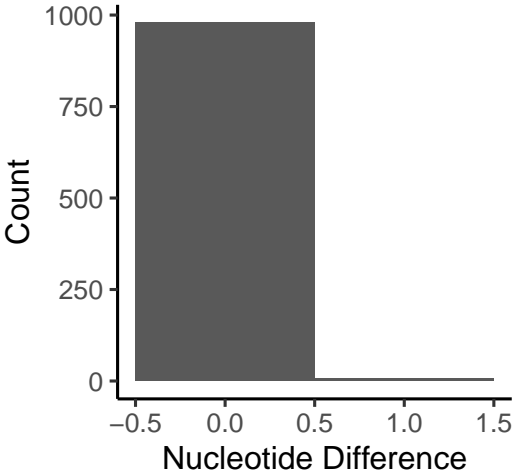
TRBV6-4*ap01

1316 sequences assigned
1300 (98.8%) exact matches, in which:
1291 unique CDR3
13 unique J



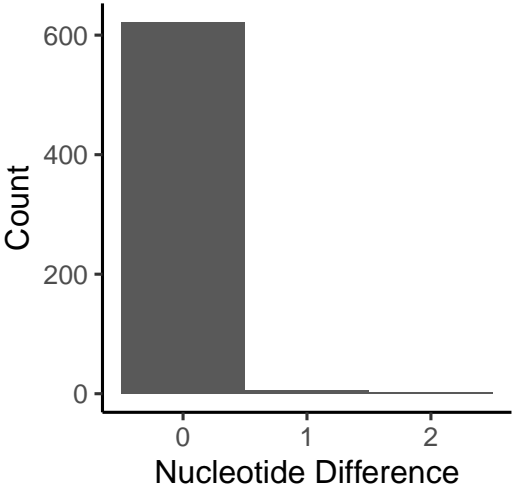
TRBV5-5*ap01

987 sequences assigned
979 (99.2%) exact matches, in which:
971 unique CDR3
13 unique J



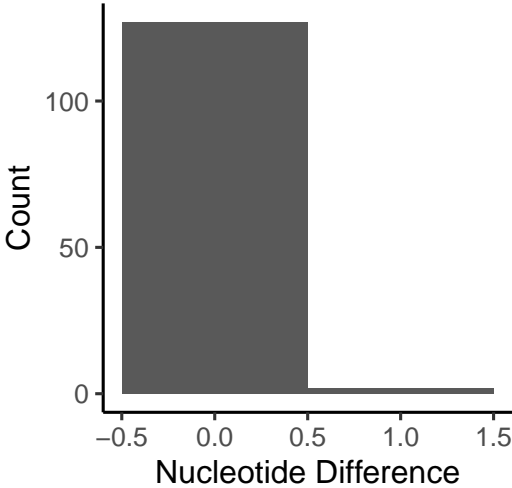
TRBV5-8*ap01

631 sequences assigned
622 (98.6%) exact matches, in which:
609 unique CDR3
13 unique J



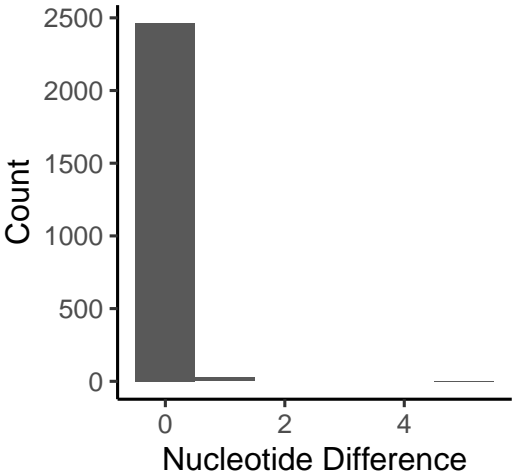
TRBV6-7*ap01

129 sequences assigned
127 (98.4%) exact matches, in which:
124 unique CDR3
13 unique J



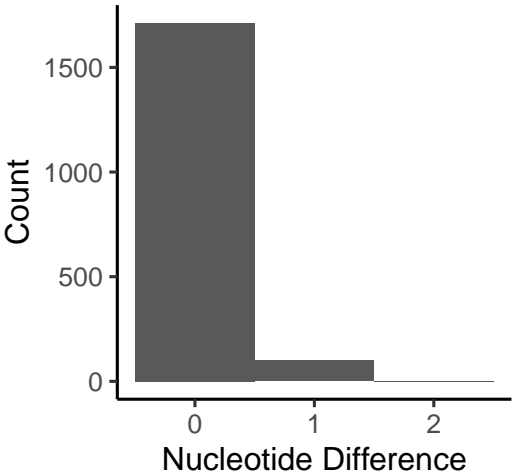
TRBV5-6*ap01

2493 sequences assigned
2464 (98.8%) exact matches, in which:
2407 unique CDR3
13 unique J



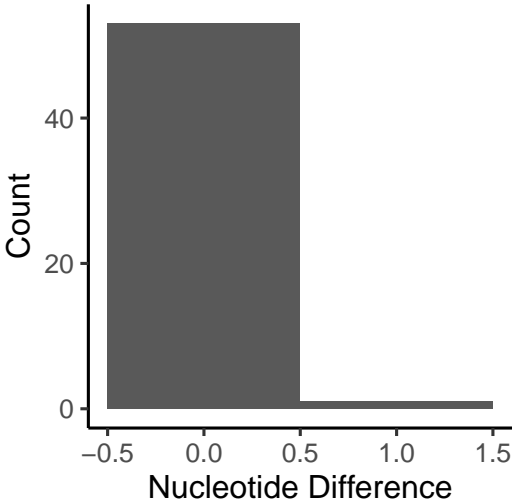
TRBV6-1*ap01

1813 sequences assigned
1712 (94.4%) exact matches, in which:
1677 unique CDR3
13 unique J



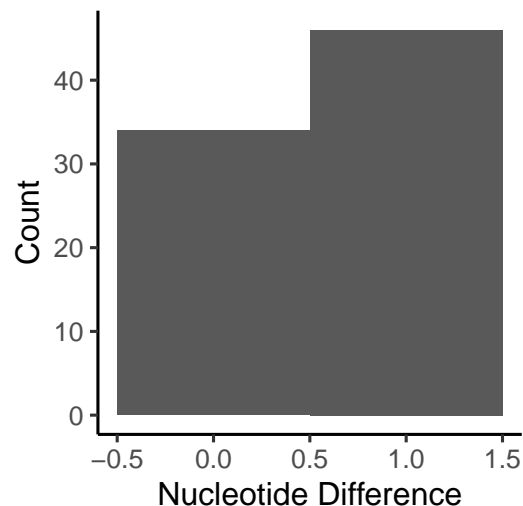
TRBV6-8*ap01

54 sequences assigned
53 (98.1%) exact matches, in which:
50 unique CDR3
11 unique J



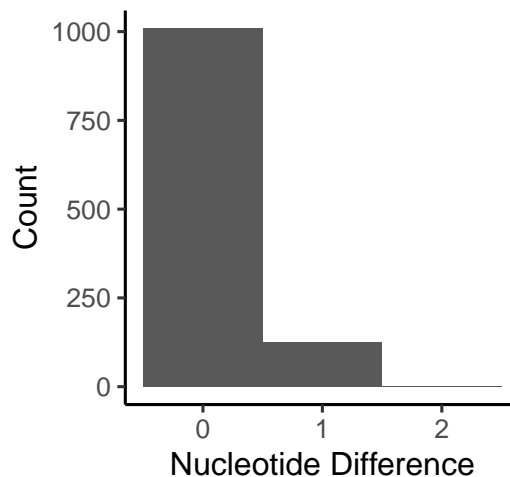
TRBV6-9*ap01

80 sequences assigned
34 (42.5%) exact matches, in which:
31 unique CDR3
11 unique J



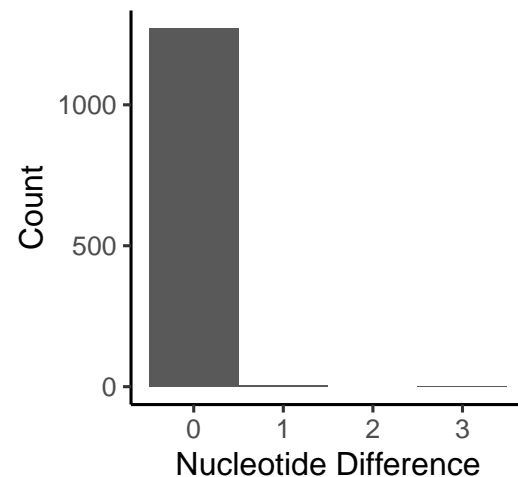
TRBV6-56*ap02

1136 sequences assigned
1009 (88.8%) exact matches, in which:
990 unique CDR3
13 unique J



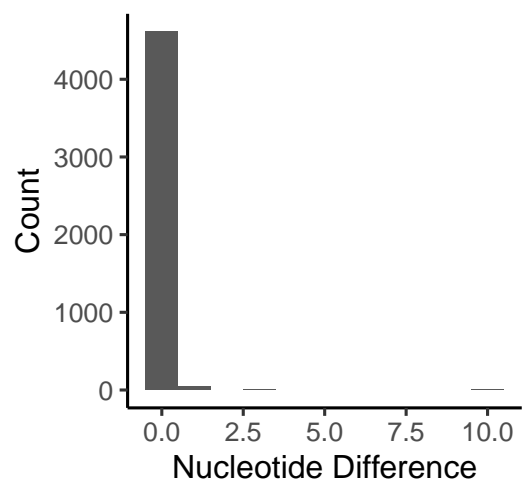
TRBV7-3*ap01

1279 sequences assigned
1271 (99.4%) exact matches, in which:
1254 unique CDR3
13 unique J



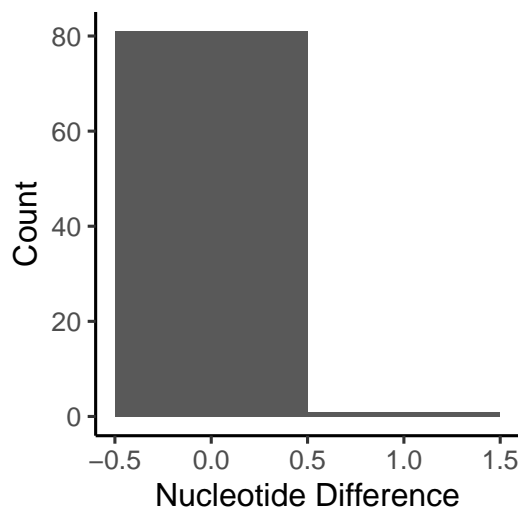
TRBV6-23*ap01

4656 sequences assigned
4612 (99.1%) exact matches, in which:
4528 unique CDR3
13 unique J



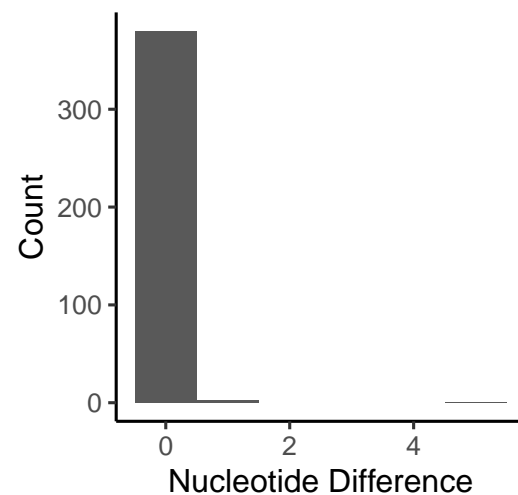
TRBV7-1*ap01_G291C_T

82 sequences assigned
81 (98.8%) exact matches, in which:
81 unique CDR3
13 unique J



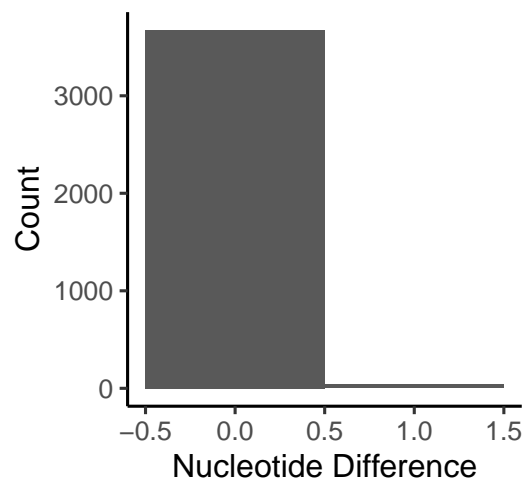
TRBV7-3*ap02

384 sequences assigned
380 (99%) exact matches, in which:
369 unique CDR3
13 unique J



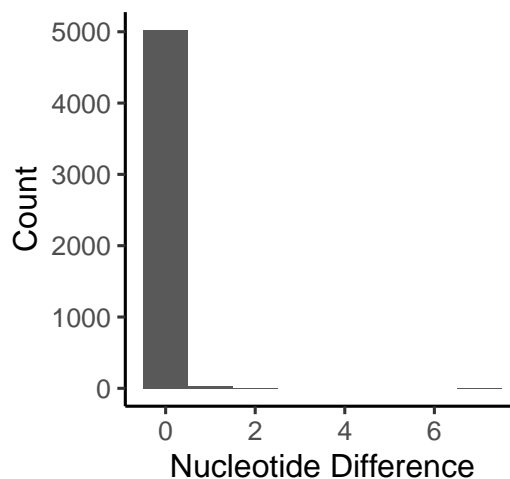
TRBV6-56*ap01

3714 sequences assigned
3674 (98.9%) exact matches, in which:
3607 unique CDR3
13 unique J



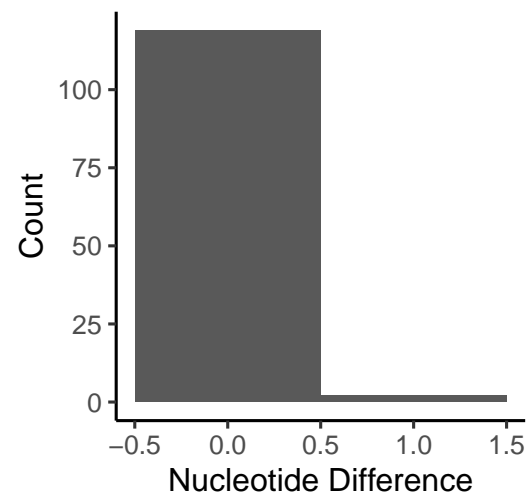
TRBV7-2*ap01

5056 sequences assigned
5024 (99.4%) exact matches, in which:
4932 unique CDR3
13 unique J



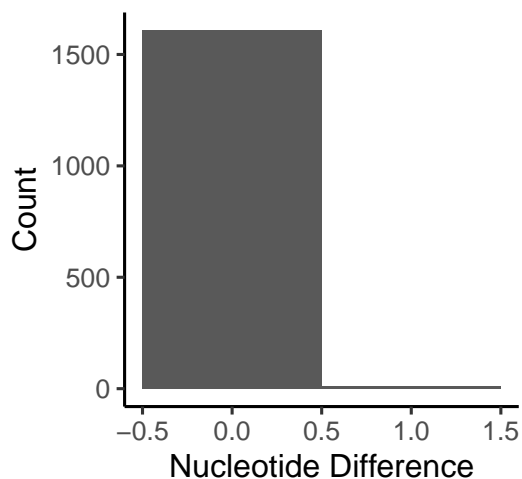
TRBV7-4*ap01

121 sequences assigned
119 (98.3%) exact matches, in which:
117 unique CDR3
13 unique J



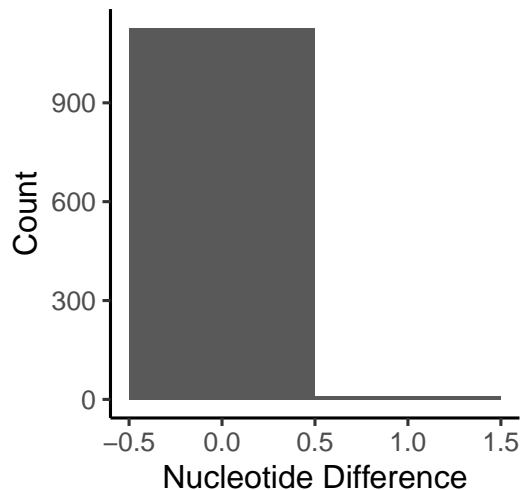
TRBV7-6*ap01

1621 sequences assigned
1608 (99.2%) exact matches, in which:
1577 unique CDR3
13 unique J



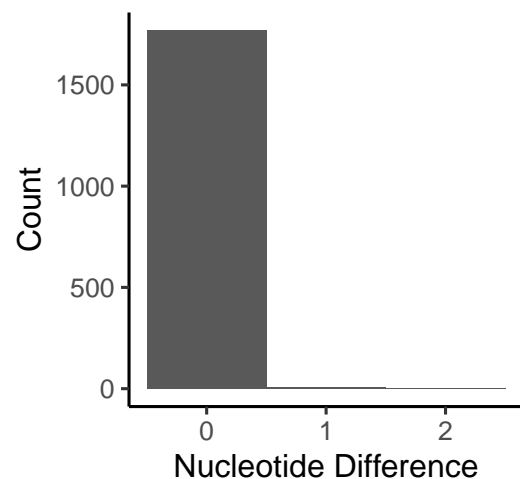
TRBV7-8*ap01

1138 sequences assigned
1128 (99.1%) exact matches, in which:
1101 unique CDR3
13 unique J



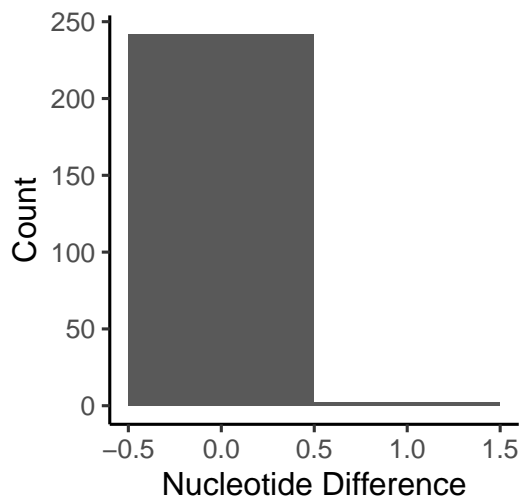
TRBV29-1*ap01

1776 sequences assigned
1769 (99.6%) exact matches, in which:
1738 unique CDR3
13 unique J



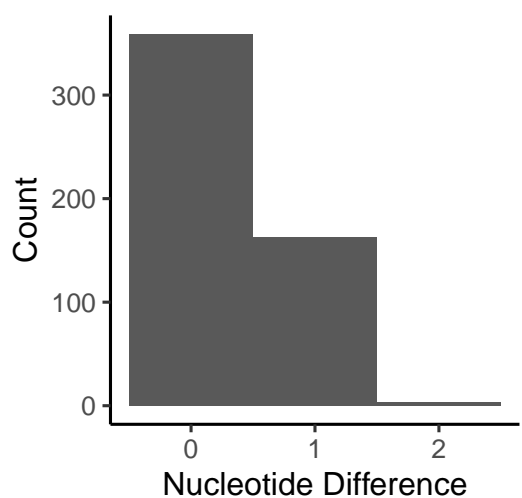
TRBV7-7*ap01

244 sequences assigned
242 (99.2%) exact matches, in which:
239 unique CDR3
12 unique J



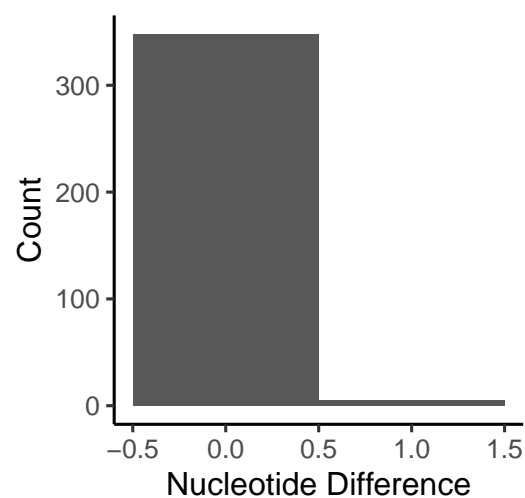
TRBV7-8*ap03

525 sequences assigned
359 (68.4%) exact matches, in which:
350 unique CDR3
13 unique J



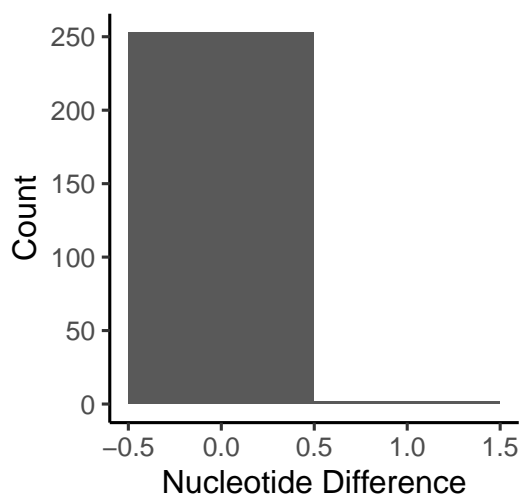
TRBV29-1*ap02

353 sequences assigned
348 (98.6%) exact matches, in which:
345 unique CDR3
13 unique J



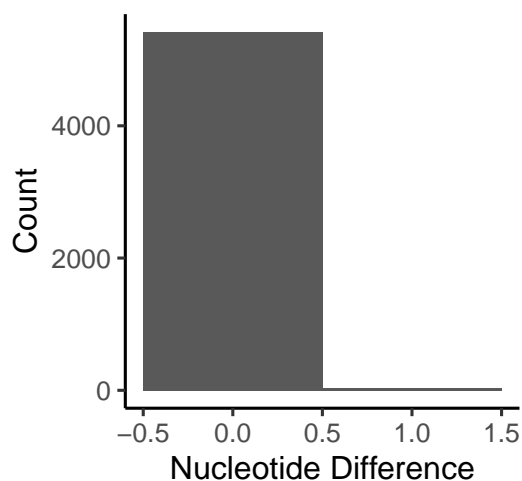
TRBV7-7*ap01_C315T

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

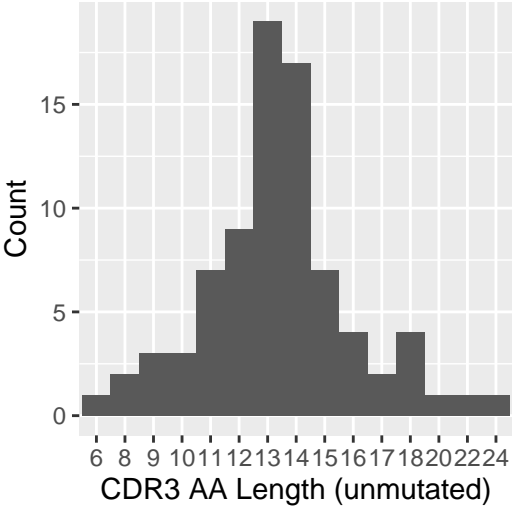


TRBV7-9*ap01

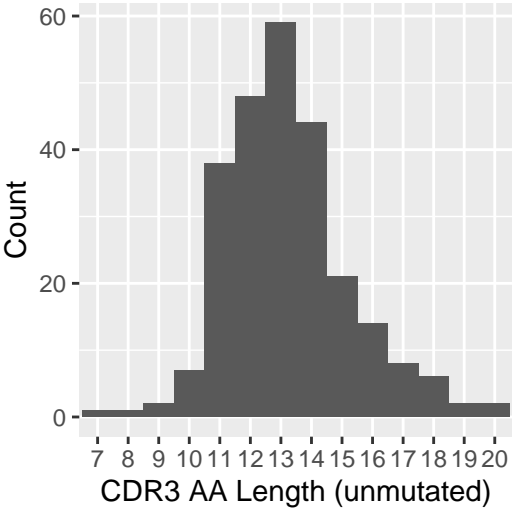
5454 sequences assigned
5418 (99.3%) exact matches, in which:
5313 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]