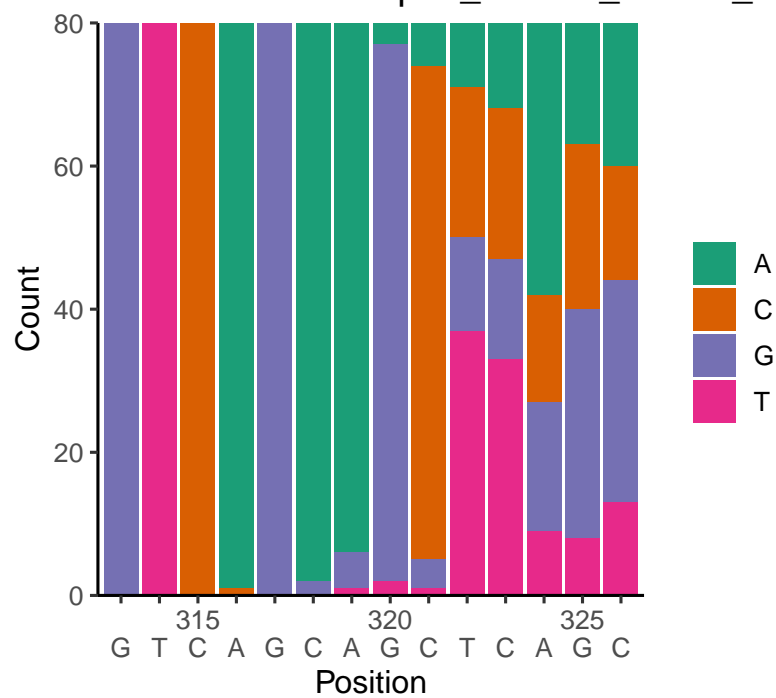
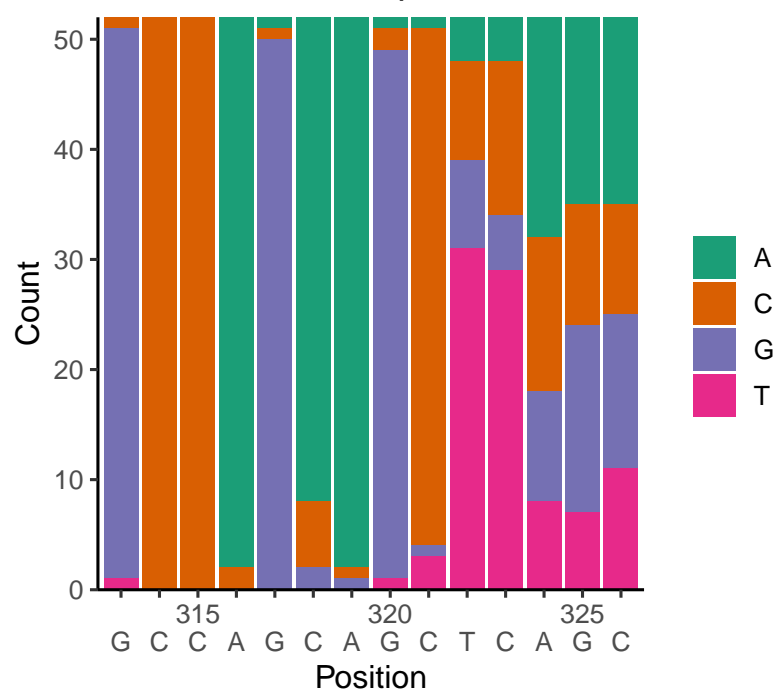


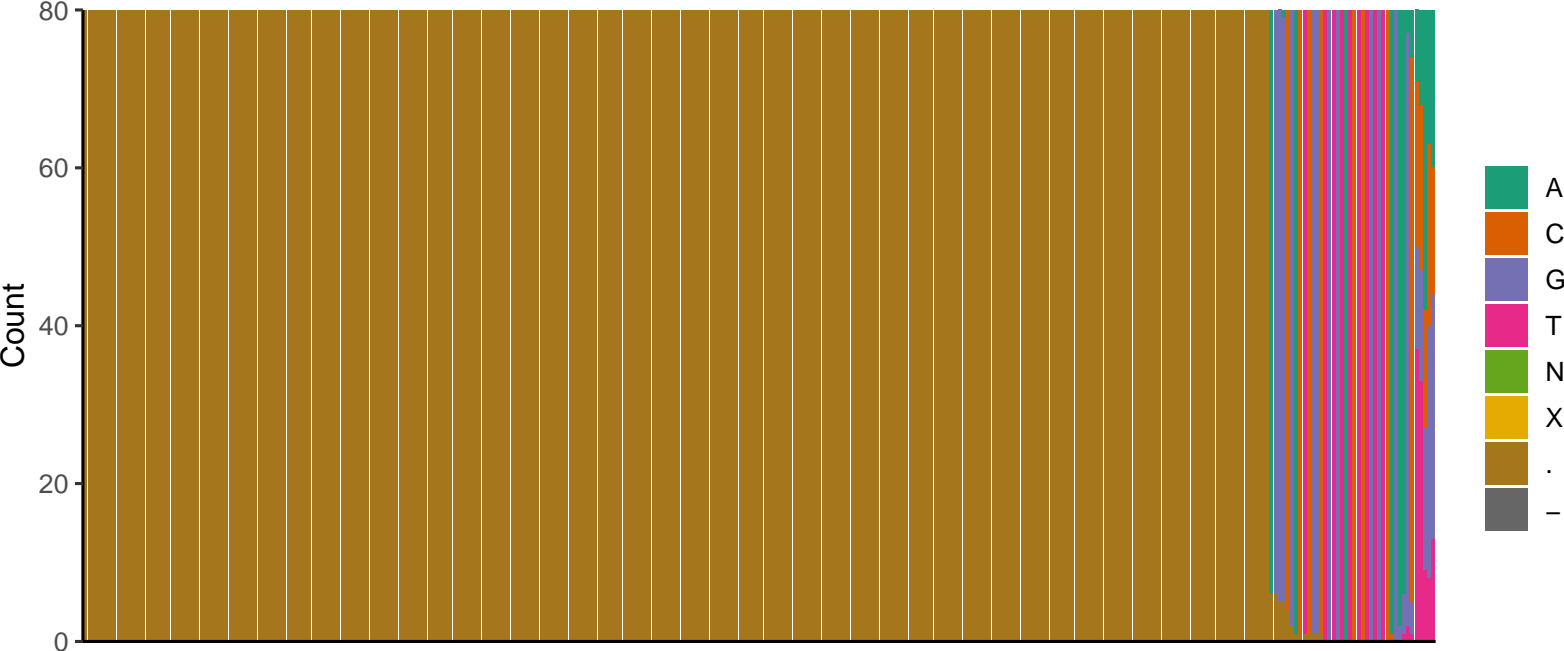
Gene TRBV7-1*ap01_G291C_T296C_C314T



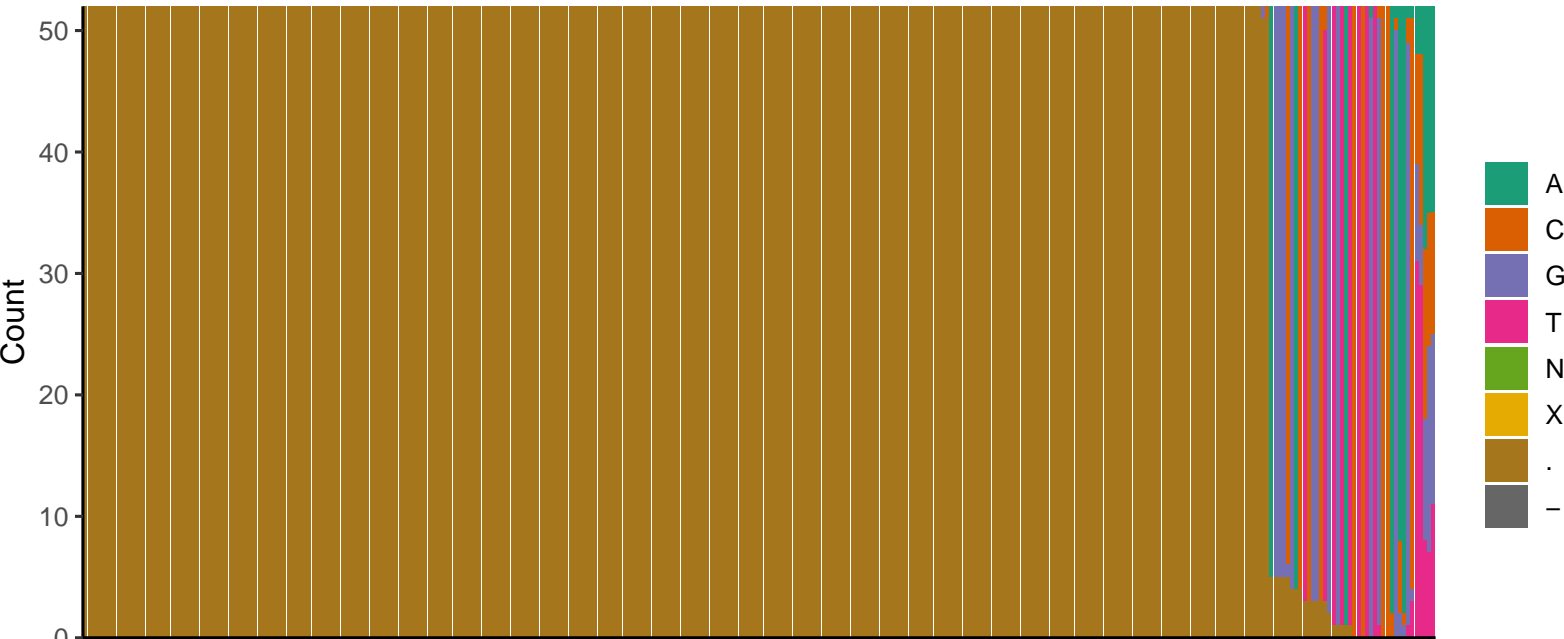
Gene TRBV7-1*ap01_G291C_T296C



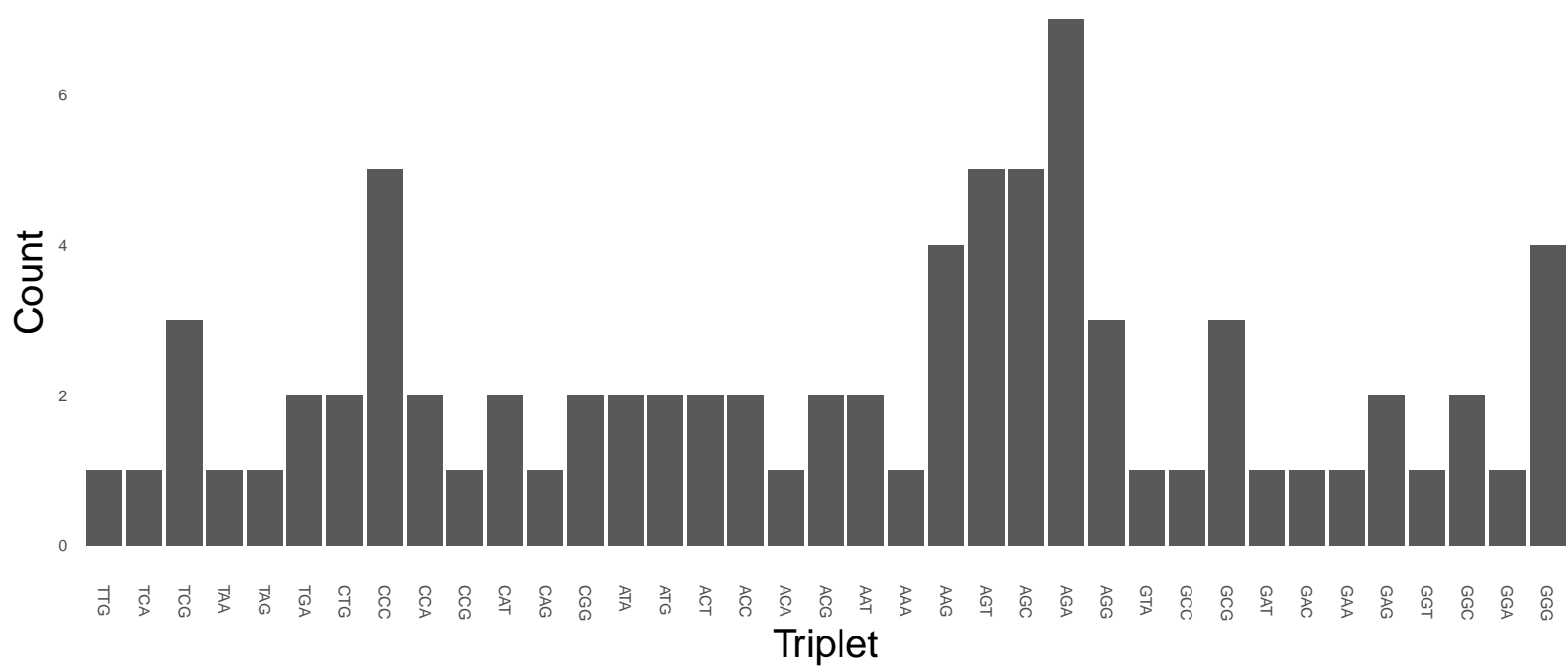
Gene TRBV7-1*ap01_G291C_T296C_C314T



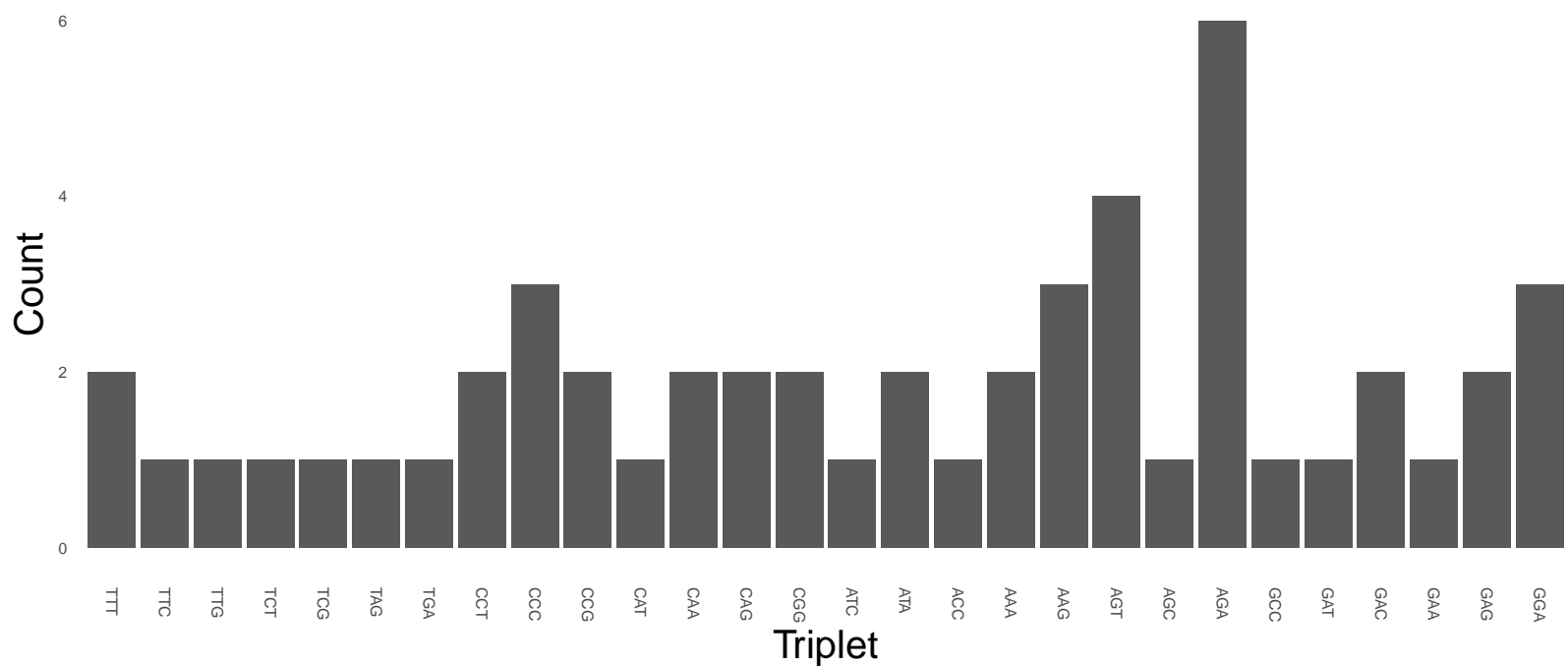
Gene TRBV7-1*ap01_G291C_T296C



TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet

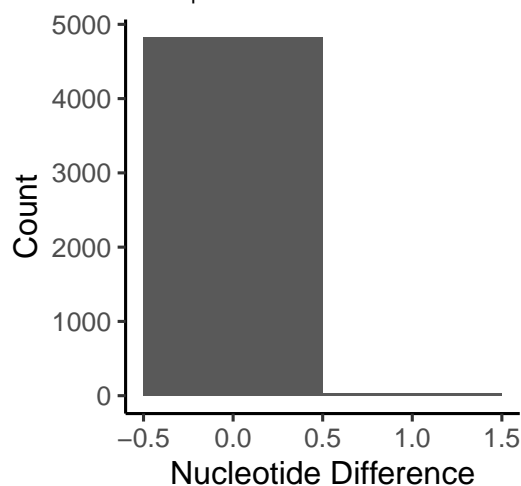


TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



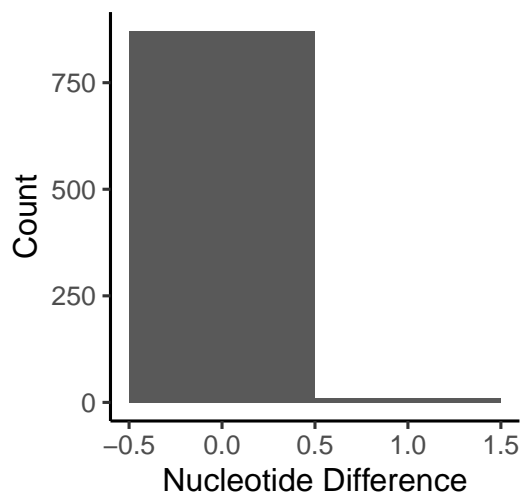
TRBV20-1*ap01

4860 sequences assigned
4824 (99.3%) exact matches, in which:
4759 unique CDR3
13 unique J



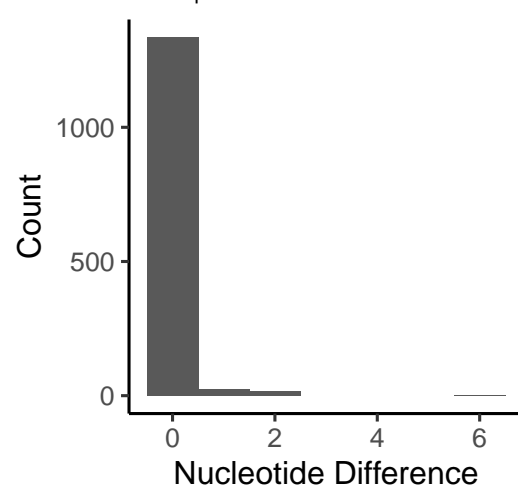
TRBV10-2*ap01

882 sequences assigned
872 (98.9%) exact matches, in which:
866 unique CDR3
13 unique J



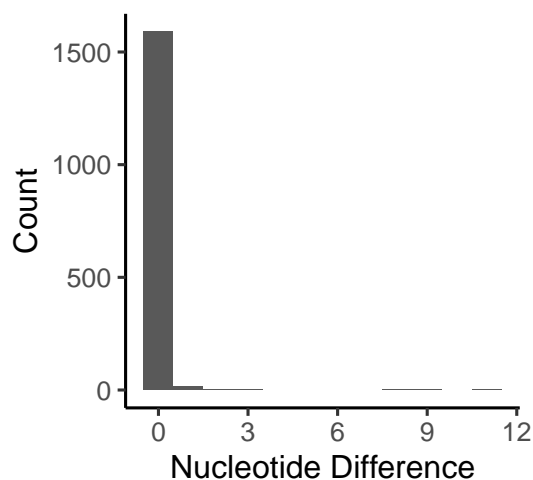
TRBV13*ap01

1377 sequences assigned
1335 (96.9%) exact matches, in which:
1320 unique CDR3
13 unique J



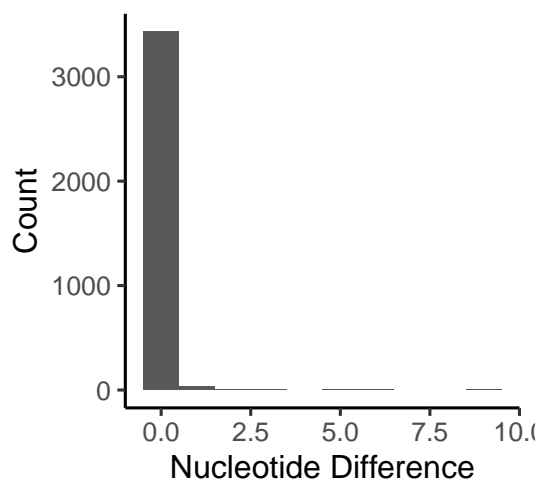
TRBV10-1*ap01

1612 sequences assigned
1590 (98.6%) exact matches, in which:
1574 unique CDR3
13 unique J



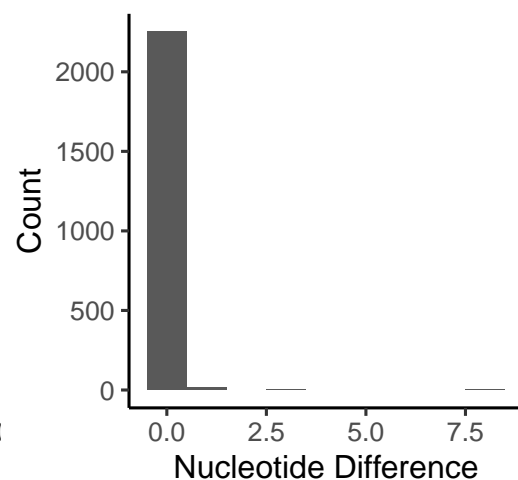
TRBV10-3*ap01

3471 sequences assigned
3431 (98.8%) exact matches, in which:
3395 unique CDR3
13 unique J



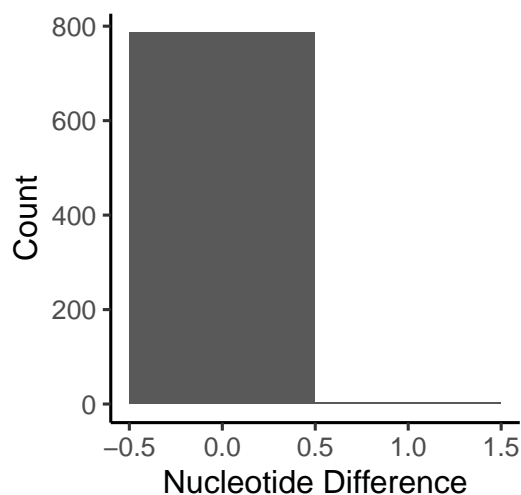
TRBV14*ap01

2267 sequences assigned
2252 (99.3%) exact matches, in which:
2229 unique CDR3
13 unique J



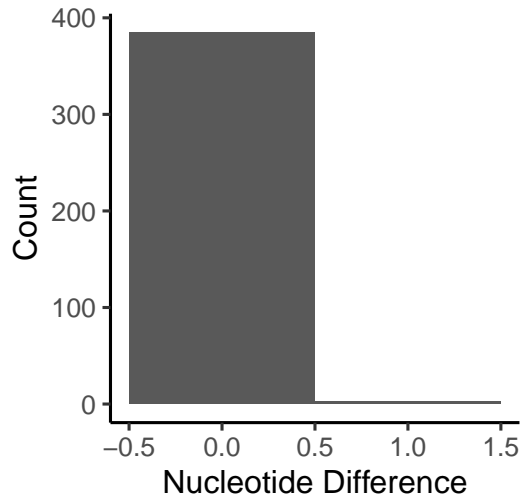
TRBV20-1*ap02

791 sequences assigned
787 (99.5%) exact matches, in which:
777 unique CDR3
13 unique J



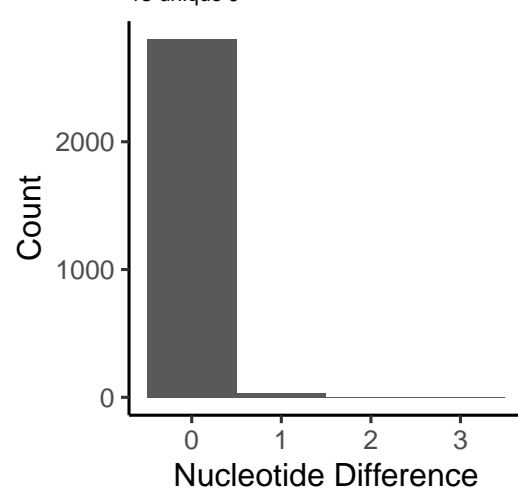
TRBV1*ap01

388 sequences assigned
385 (99.2%) exact matches, in which:
376 unique CDR3
13 unique J



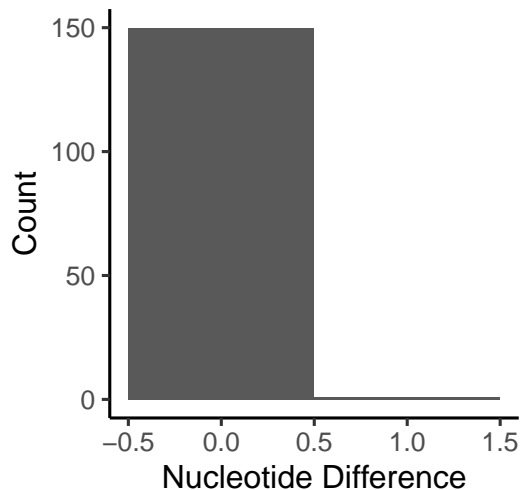
TRBV15*ap02

2839 sequences assigned
2804 (98.8%) exact matches, in which:
2769 unique CDR3
13 unique J



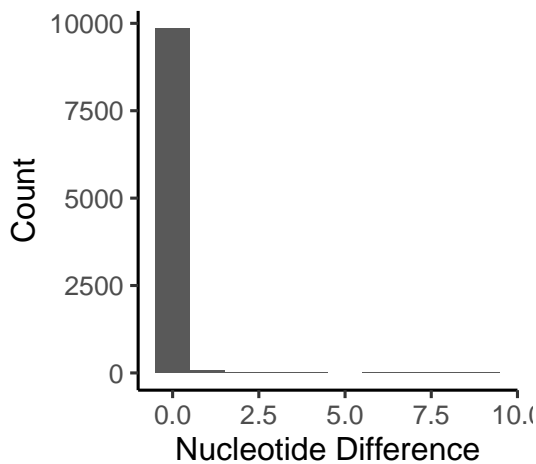
TRBV16*ap01

151 sequences assigned
150 (99.3%) exact matches, in which:
149 unique CDR3
13 unique J



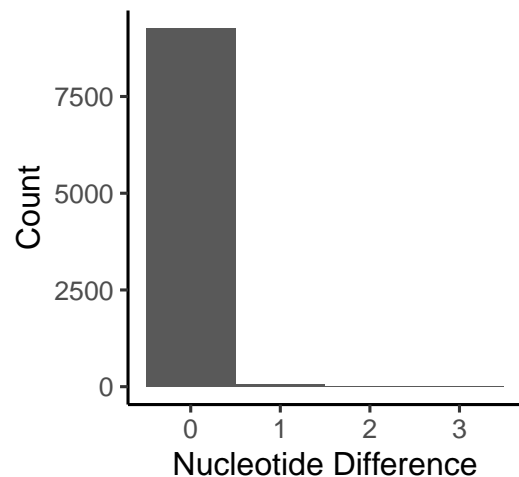
TRBV19*ap01

9948 sequences assigned
9862 (99.1%) exact matches, in which:
9820 unique CDR3
13 unique J



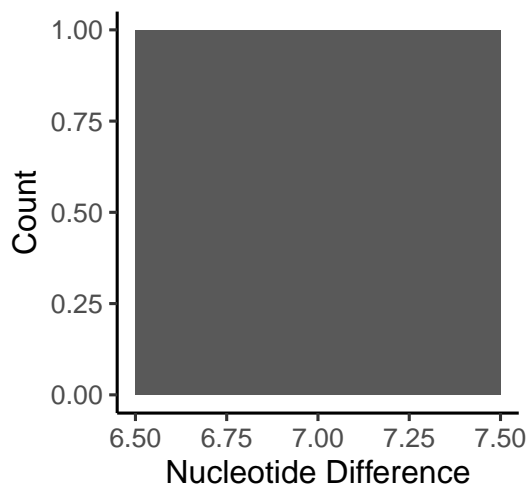
TRBV28*ap01

9341 sequences assigned
9260 (99.1%) exact matches, in which:
9167 unique CDR3
13 unique J



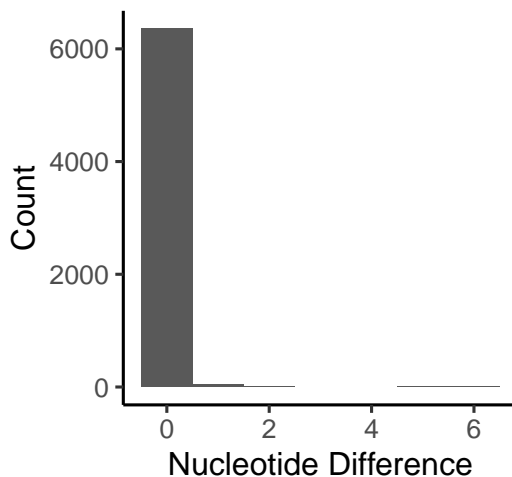
TRBV17*ap01

1 sequences assigned
No exact matches.



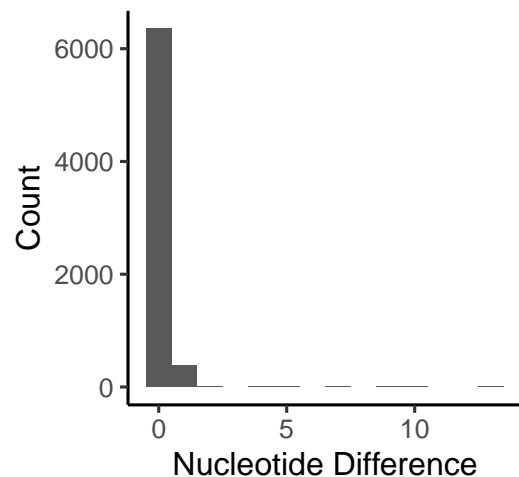
TRBV2*ap01

6415 sequences assigned
6357 (99.1%) exact matches, in which:
6284 unique CDR3
13 unique J



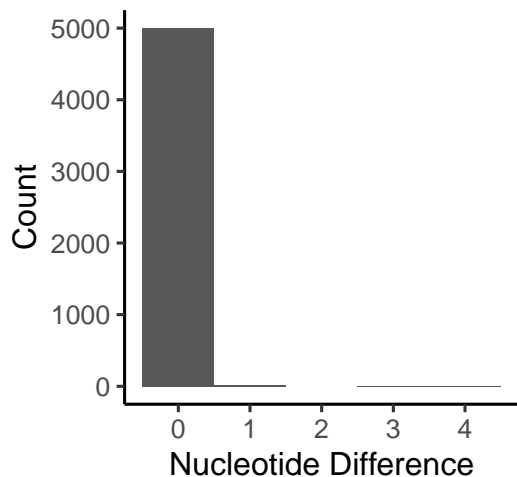
TRBV30*ap01

6752 sequences assigned
6354 (94.1%) exact matches, in which:
6277 unique CDR3
13 unique J



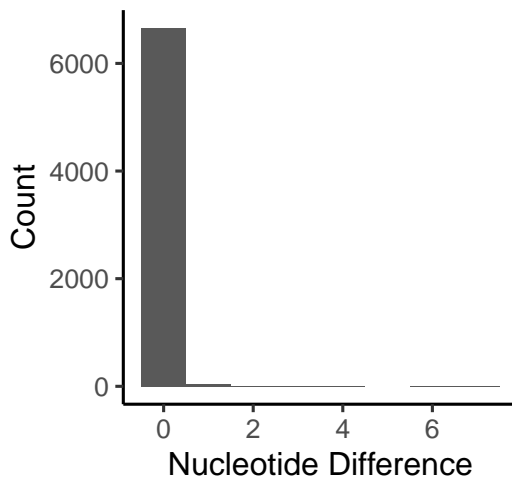
TRBV18*ap01

5022 sequences assigned
5001 (99.6%) exact matches, in which:
4970 unique CDR3
13 unique J



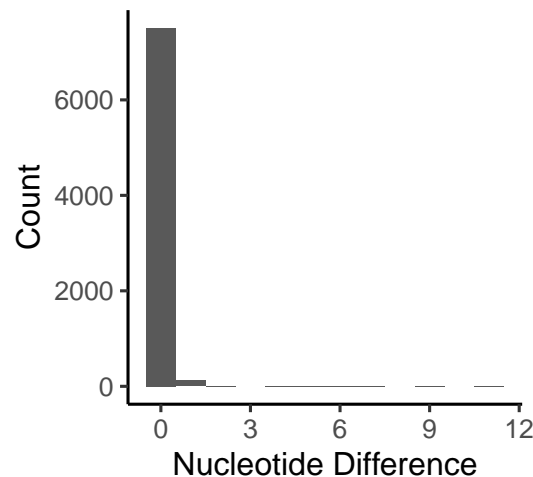
TRBV27*ap01

6709 sequences assigned
6657 (99.2%) exact matches, in which:
6572 unique CDR3
13 unique J



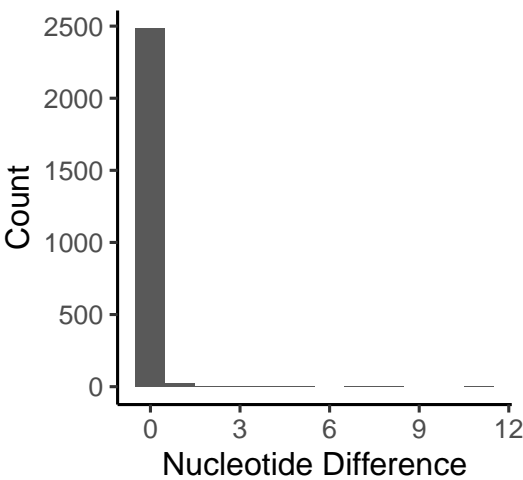
TRBV9*ap01

7636 sequences assigned
7505 (98.3%) exact matches, in which:
7431 unique CDR3
13 unique J



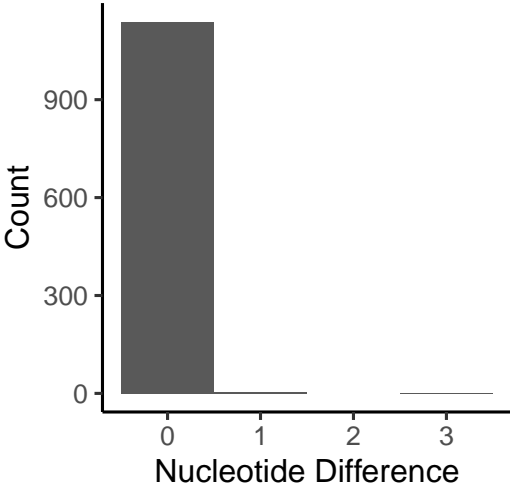
TRBV21-1*ap01

2525 sequences assigned
2484 (98.4%) exact matches, in which:
2468 unique CDR3
13 unique J



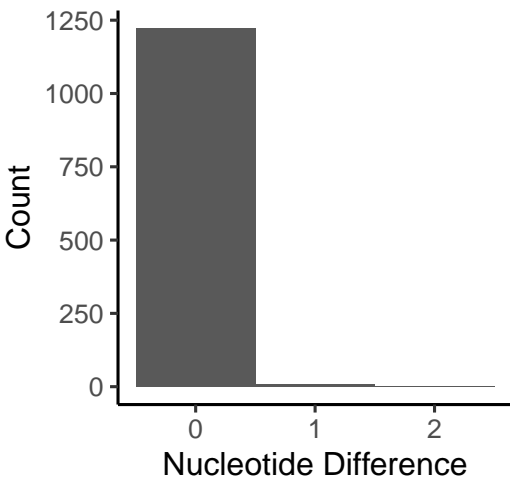
TRBV11-3*ap01

1145 sequences assigned
1139 (99.5%) exact matches, in which:
1132 unique CDR3
13 unique J



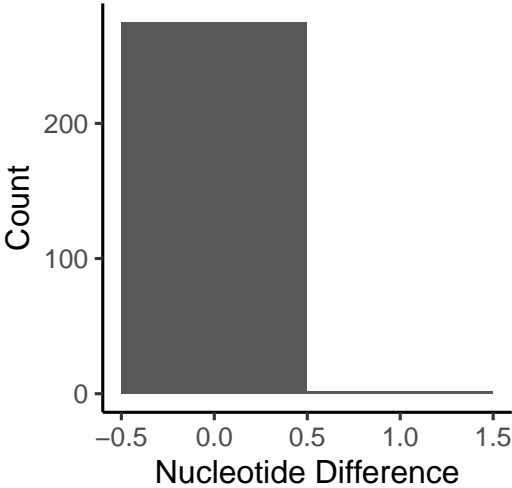
TRBV12-5*ap01

1233 sequences assigned
1222 (99.1%) exact matches, in which:
1209 unique CDR3
13 unique J



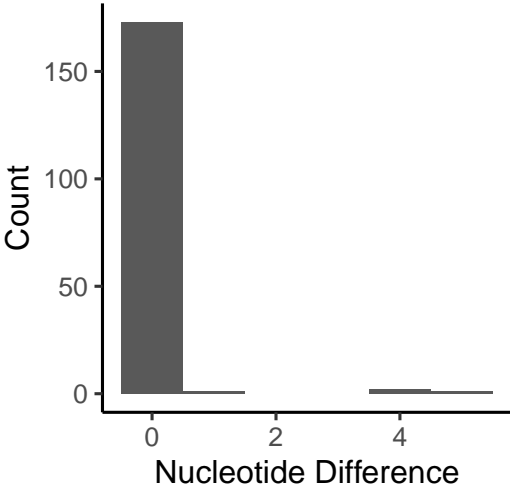
TRBV11-1*ap01

277 sequences assigned
275 (99.3%) exact matches, in which:
274 unique CDR3
13 unique J



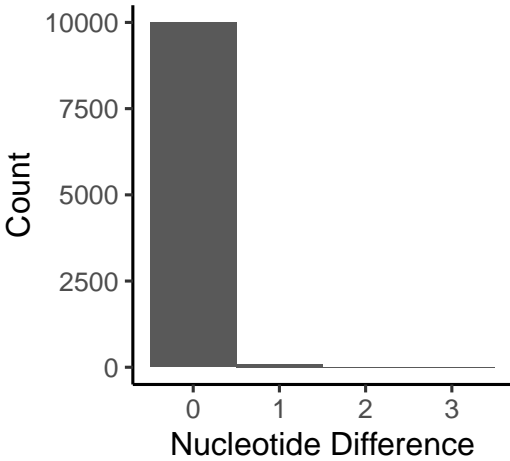
TRBV12-1*ap01

177 sequences assigned
173 (97.7%) exact matches, in which:
171 unique CDR3
13 unique J



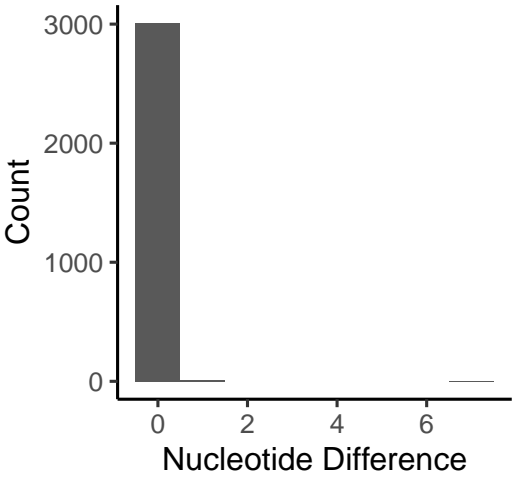
TRBV12-34*ap01

10091 sequences assigned
9999 (99.1%) exact matches, in which:
9886 unique CDR3
13 unique J



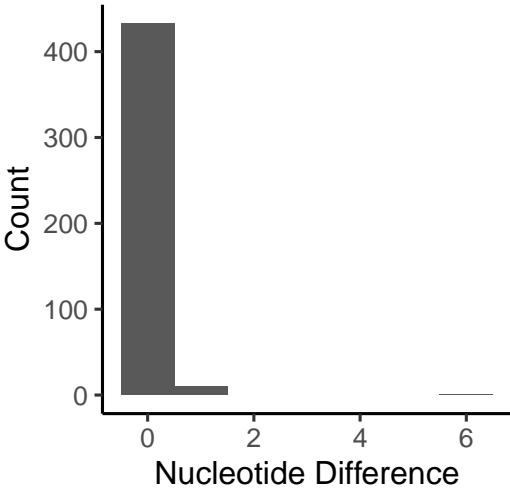
TRBV11-2*ap01

3022 sequences assigned
3009 (99.6%) exact matches, in which:
2985 unique CDR3
13 unique J



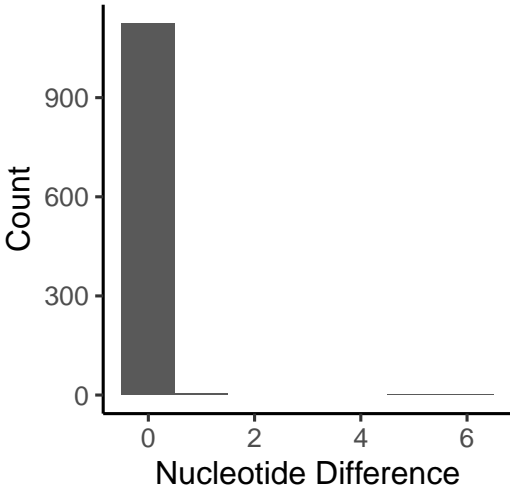
TRBV12-2*ap01

444 sequences assigned
433 (97.5%) exact matches, in which:
430 unique CDR3
13 unique J



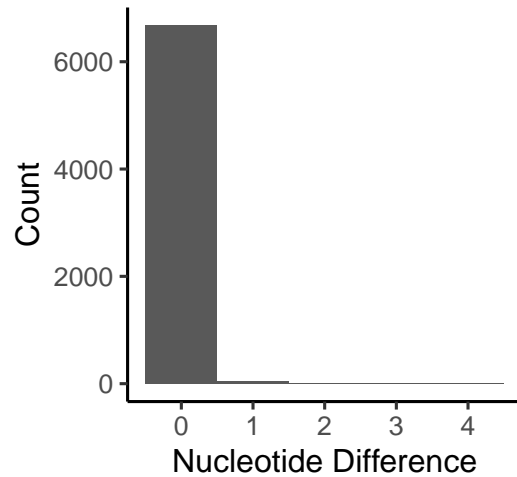
TRBV23-1*ap01

1133 sequences assigned
1125 (99.3%) exact matches, in which:
1111 unique CDR3
13 unique J



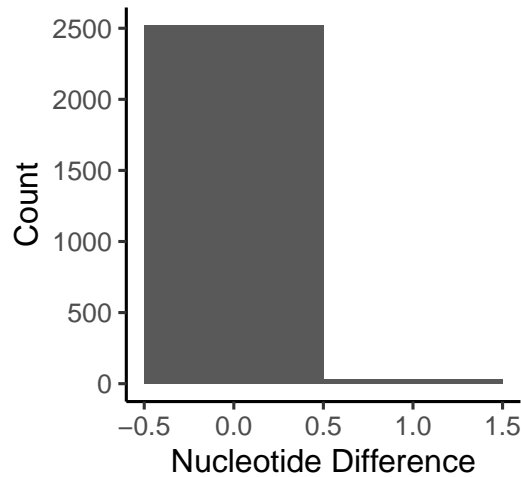
TRBV3-12*ap01

6726 sequences assigned
6677 (99.3%) exact matches, in which:
6638 unique CDR3
13 unique J



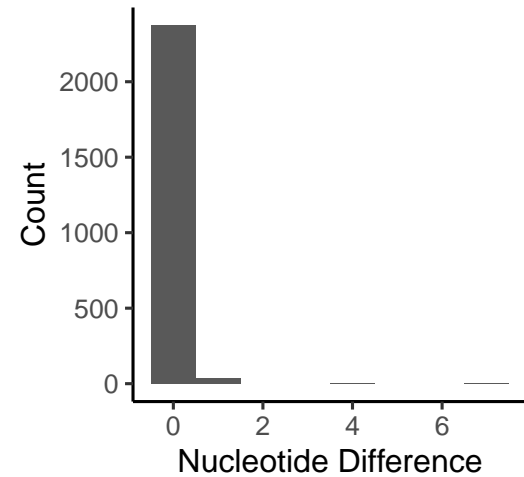
TRBV4-2*ap01

2551 sequences assigned
2520 (98.8%) exact matches, in which:
2483 unique CDR3
13 unique J



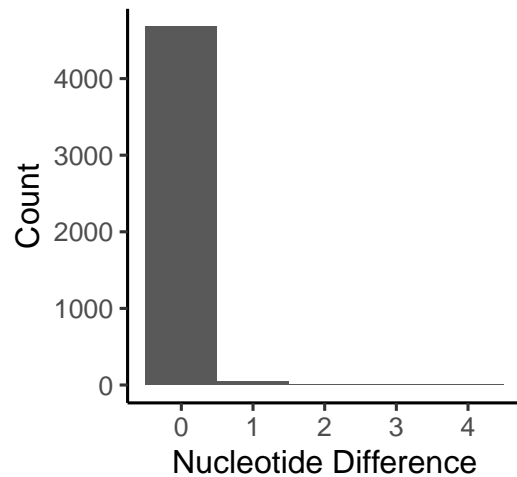
TRBV25-1*ap01

2409 sequences assigned
2373 (98.5%) exact matches, in which:
2327 unique CDR3
13 unique J



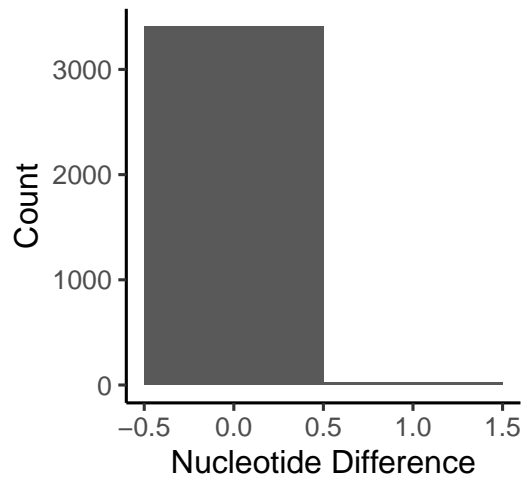
TRBV4-1*ap01

4723 sequences assigned
4677 (99%) exact matches, in which:
4616 unique CDR3
13 unique J



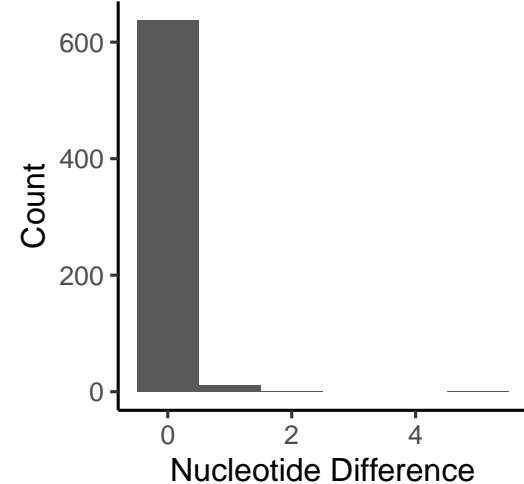
TRBV4-3*ap01

3434 sequences assigned
3406 (99.2%) exact matches, in which:
3379 unique CDR3
13 unique J



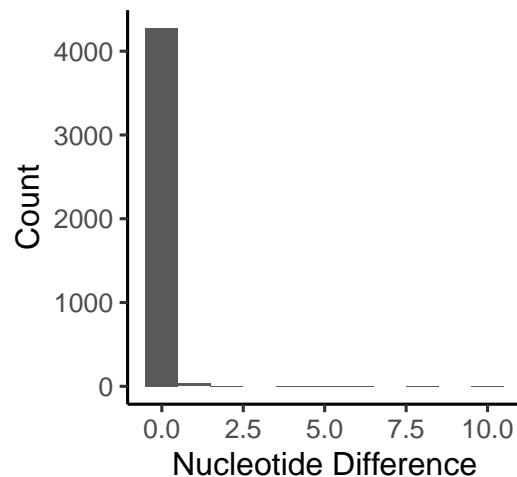
TRBV5-3*ap01

651 sequences assigned
638 (98%) exact matches, in which:
630 unique CDR3
13 unique J



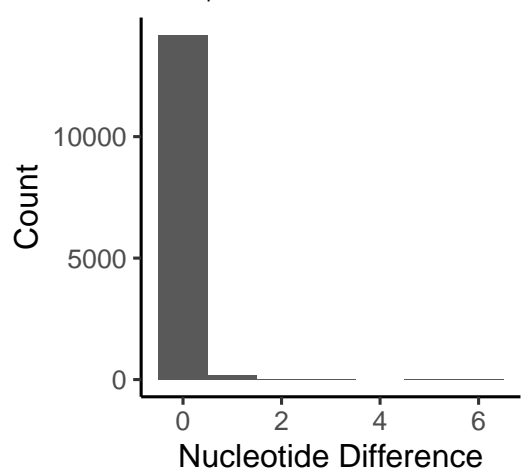
TRBV24-1*ap01

4325 sequences assigned
4276 (98.9%) exact matches, in which:
4209 unique CDR3
13 unique J



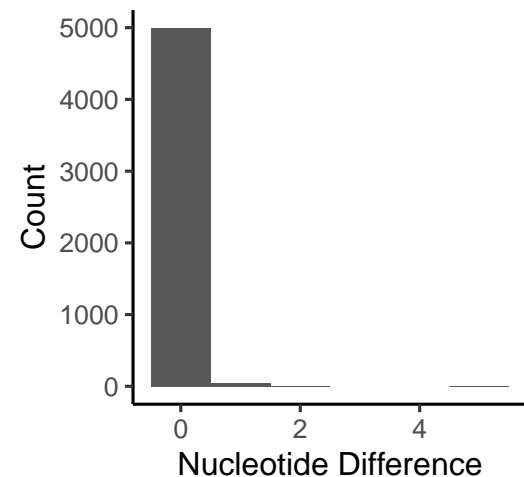
TRBV5-1*ap01

14401 sequences assigned
14193 (98.6%) exact matches, in which:
13994 unique CDR3
13 unique J



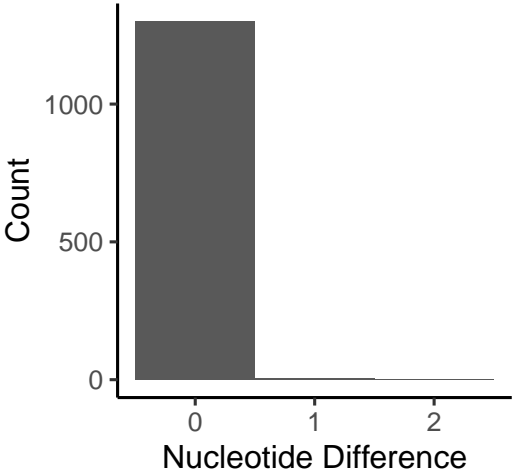
TRBV5-4*ap01

5040 sequences assigned
4995 (99.1%) exact matches, in which:
4923 unique CDR3
13 unique J



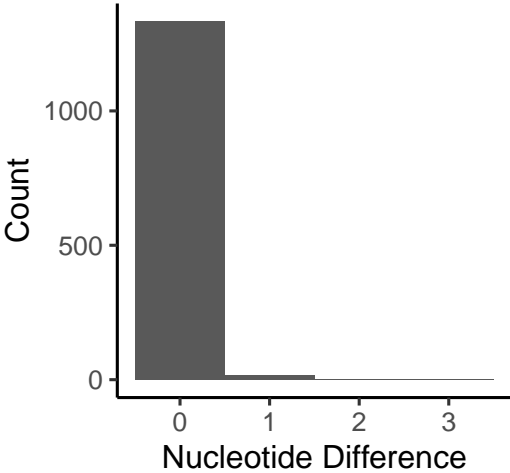
TRBV5-5*ap01

1309 sequences assigned
1300 (99.3%) exact matches, in which:
1291 unique CDR3
13 unique J



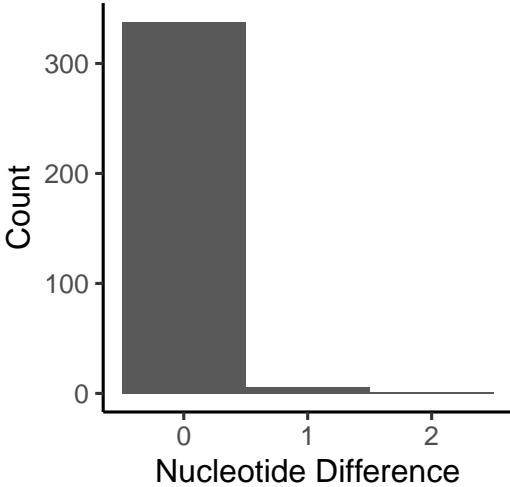
TRBV5-8*ap01

1352 sequences assigned
1333 (98.6%) exact matches, in which:
1323 unique CDR3
13 unique J



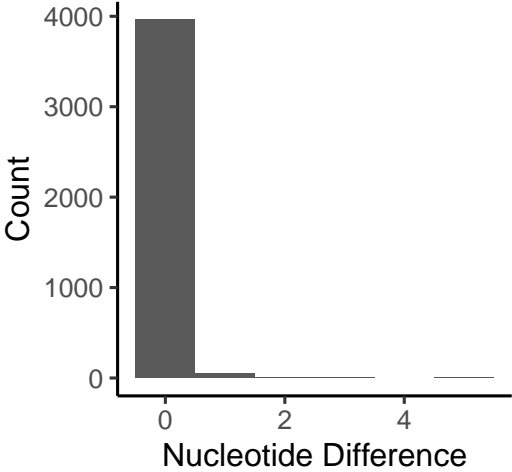
TRBV6-7*ap01

345 sequences assigned
338 (98%) exact matches, in which:
335 unique CDR3
13 unique J



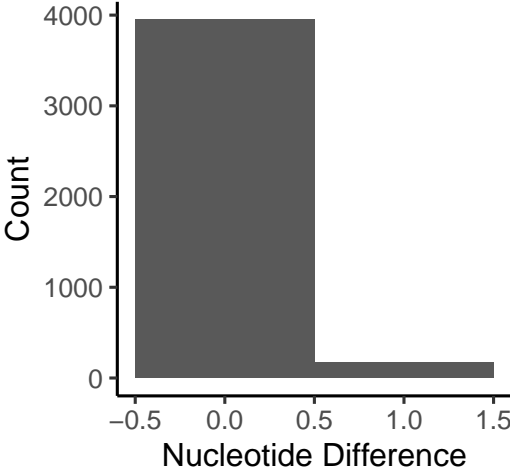
TRBV5-6*ap01

4021 sequences assigned
3962 (98.5%) exact matches, in which:
3899 unique CDR3
13 unique J



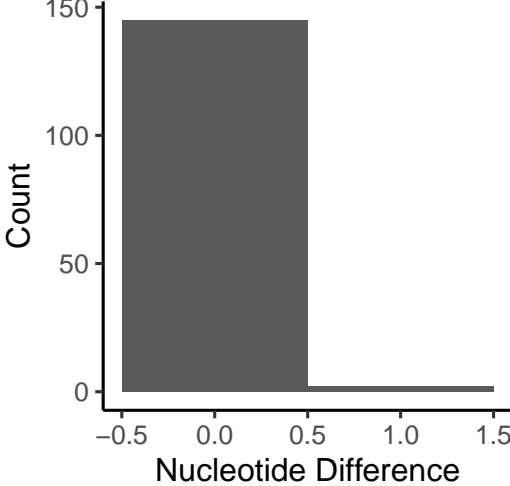
TRBV6-1*ap01

4124 sequences assigned
3949 (95.8%) exact matches, in which:
3873 unique CDR3
13 unique J



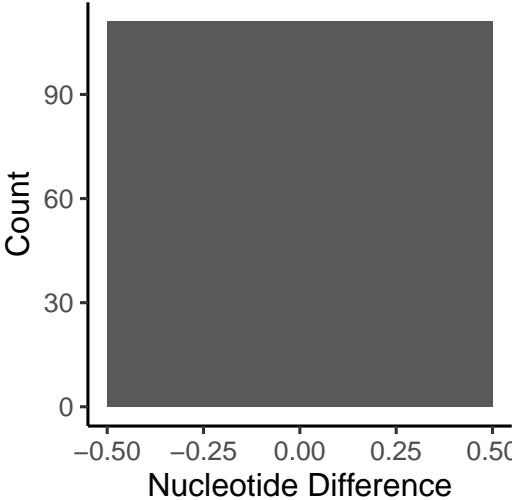
TRBV6-8*ap01

147 sequences assigned
145 (98.6%) exact matches, in which:
144 unique CDR3
13 unique J



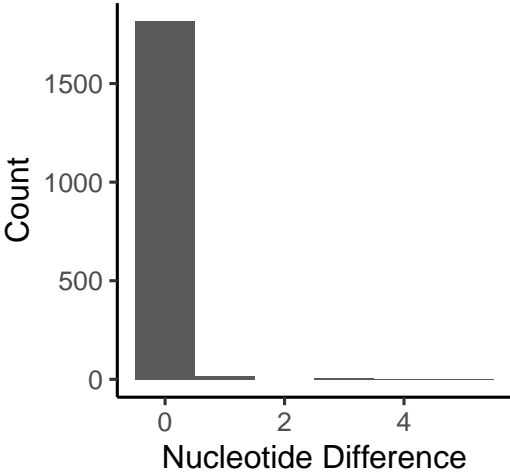
TRBV5-7*ap01

111 sequences assigned
111 (100%) exact matches, in which:
109 unique CDR3
13 unique J



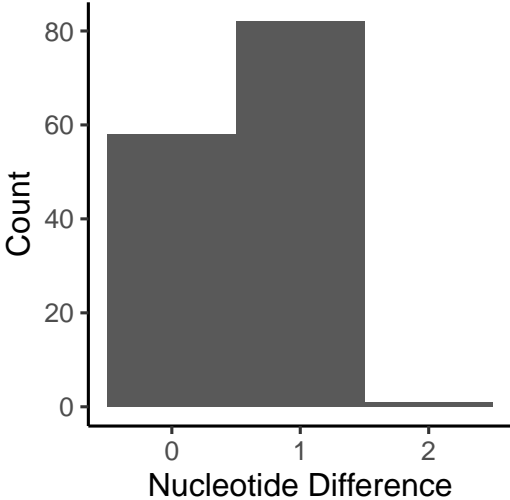
TRBV6-4*ap01

1844 sequences assigned
1817 (98.5%) exact matches, in which:
1802 unique CDR3
13 unique J



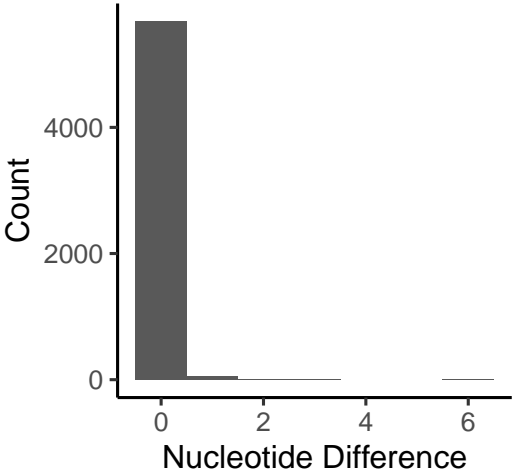
TRBV6-9*ap01

141 sequences assigned
58 (41.1%) exact matches, in which:
58 unique CDR3
13 unique J



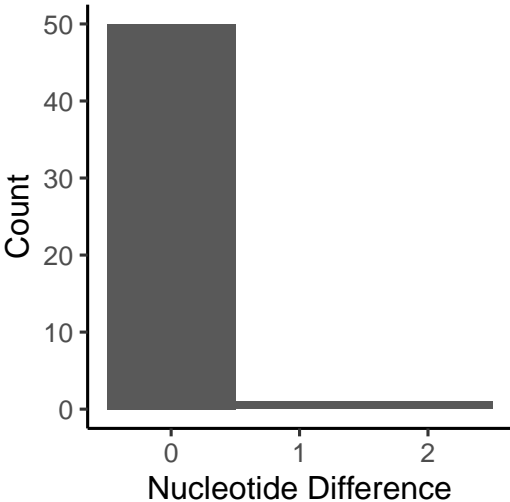
TRBV6-23*ap01

5741 sequences assigned
5680 (98.9%) exact matches, in which:
5592 unique CDR3
13 unique J



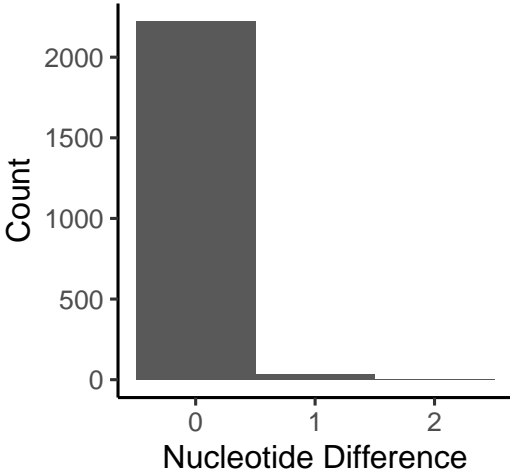
TRBV7-1*ap01_G291C_T

52 sequences assigned
50 (96.2%) exact matches, in which:
50 unique CDR3
11 unique J



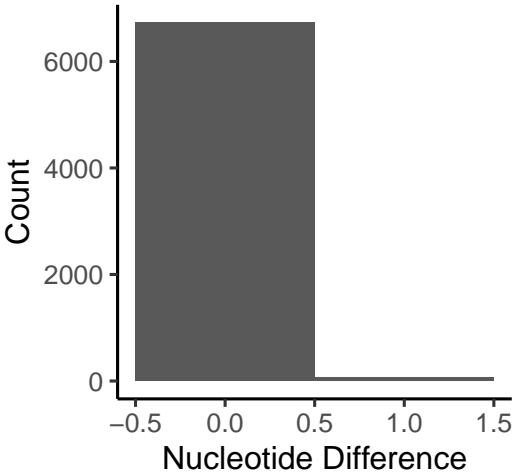
TRBV7-3*ap01

2256 sequences assigned
2222 (98.5%) exact matches, in which:
2204 unique CDR3
13 unique J



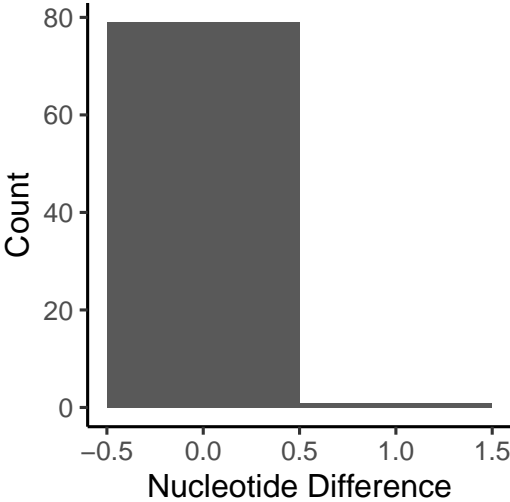
TRBV6-56*ap01

6793 sequences assigned
6727 (99%) exact matches, in which:
6630 unique CDR3
13 unique J



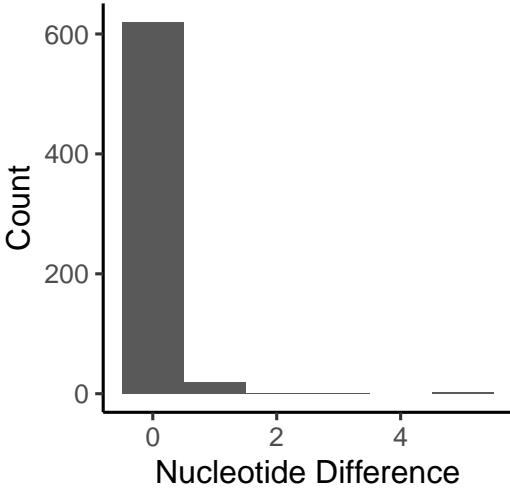
TRBV7-1*ap01_G291C_T

80 sequences assigned
79 (98.8%) exact matches, in which:
76 unique CDR3
10 unique J



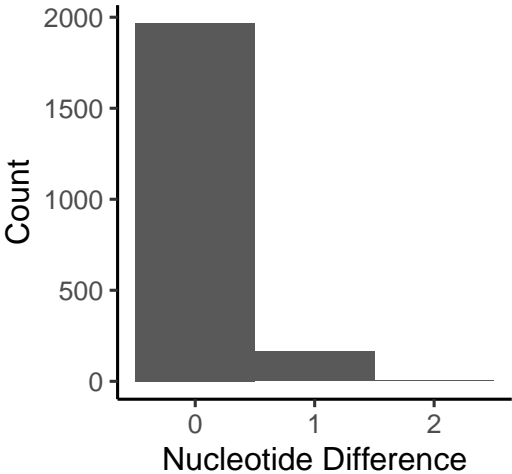
TRBV7-3*ap02

643 sequences assigned
620 (96.4%) exact matches, in which:
610 unique CDR3
13 unique J



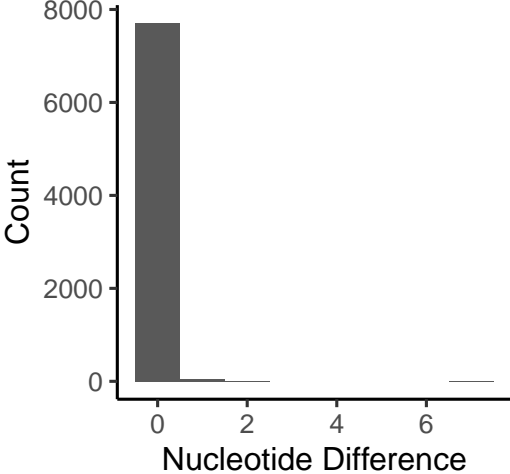
TRBV6-56*ap02

2137 sequences assigned
1968 (92.1%) exact matches, in which:
1935 unique CDR3
13 unique J



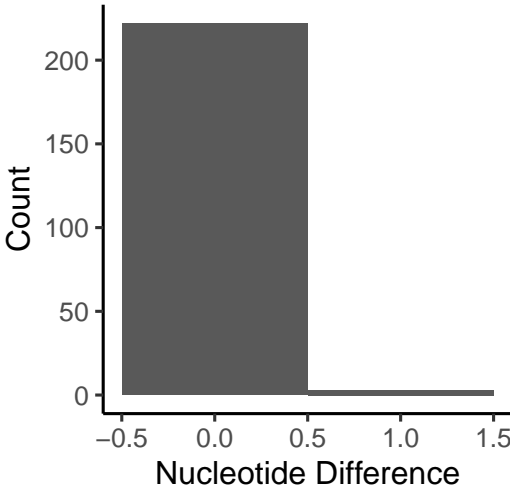
TRBV7-2*ap01

7756 sequences assigned
7708 (99.4%) exact matches, in which:
7632 unique CDR3
13 unique J



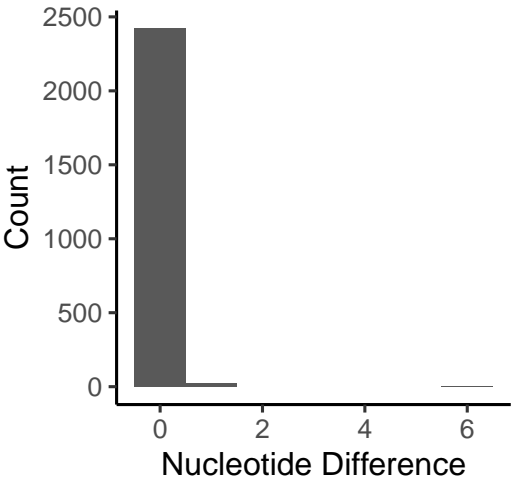
TRBV7-4*ap01

225 sequences assigned
222 (98.7%) exact matches, in which:
220 unique CDR3
13 unique J



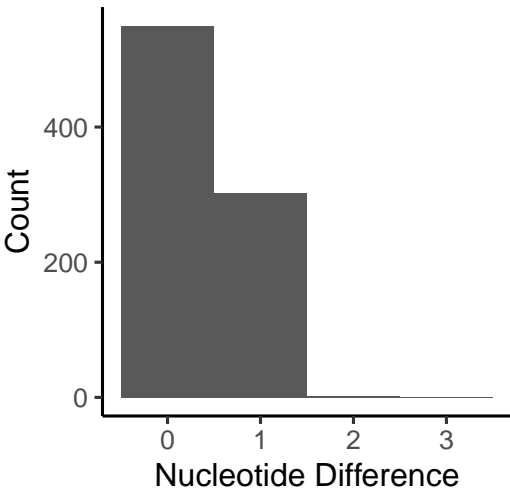
TRBV7-6*ap01

2446 sequences assigned
2422 (99%) exact matches, in which:
2394 unique CDR3
13 unique J



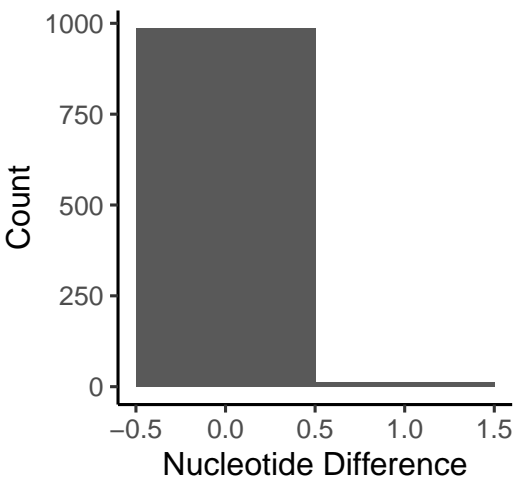
TRBV7-8*ap03

856 sequences assigned
550 (64.3%) exact matches, in which:
543 unique CDR3
13 unique J



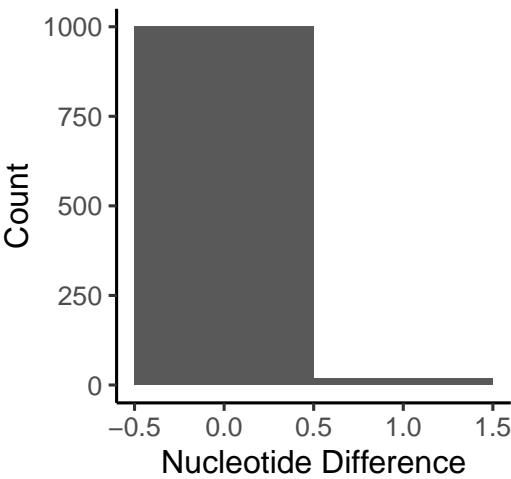
TRBV29-1*ap02

998 sequences assigned
986 (98.8%) exact matches, in which:
976 unique CDR3
13 unique J



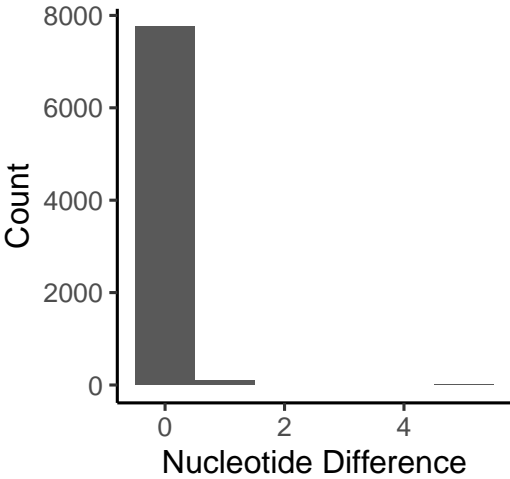
TRBV7-7*ap01

1017 sequences assigned
1000 (98.3%) exact matches, in which:
986 unique CDR3
13 unique J



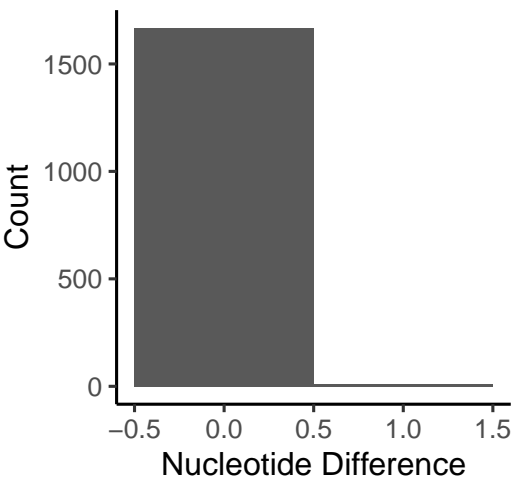
TRBV7-9*ap01

7845 sequences assigned
7755 (98.9%) exact matches, in which:
7683 unique CDR3
13 unique J



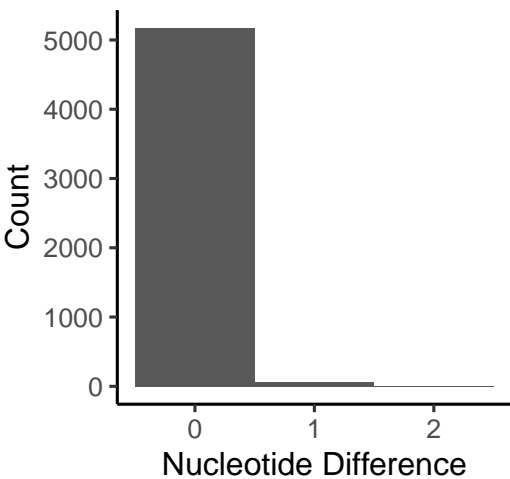
TRBV7-8*ap01

1677 sequences assigned
1667 (99.4%) exact matches, in which:
1648 unique CDR3
13 unique J

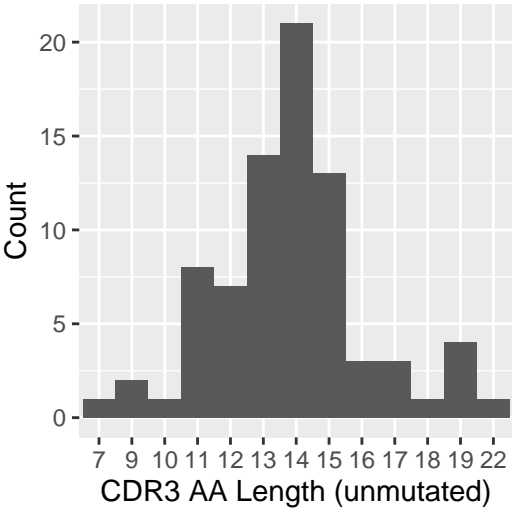


TRBV29-1*ap01

5239 sequences assigned
5172 (98.7%) exact matches, in which:
5094 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C

