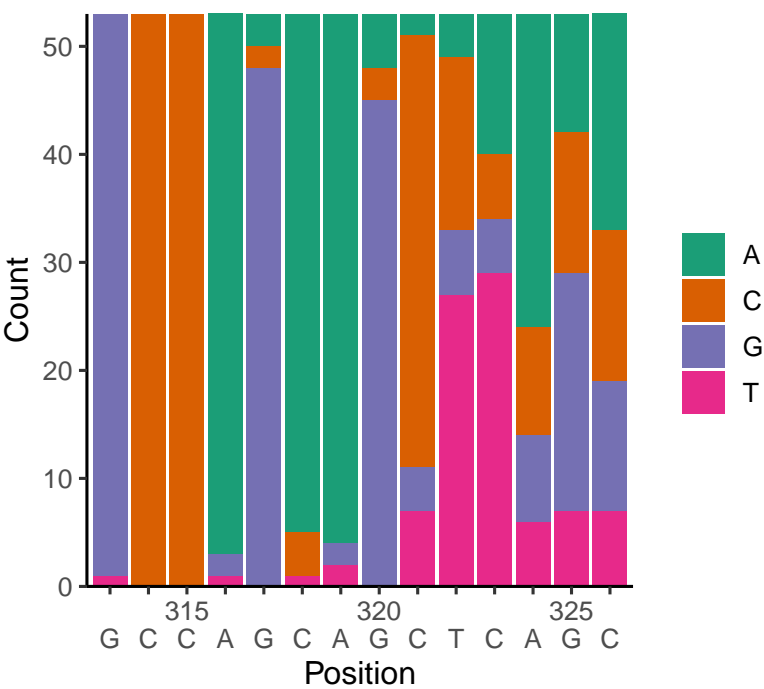
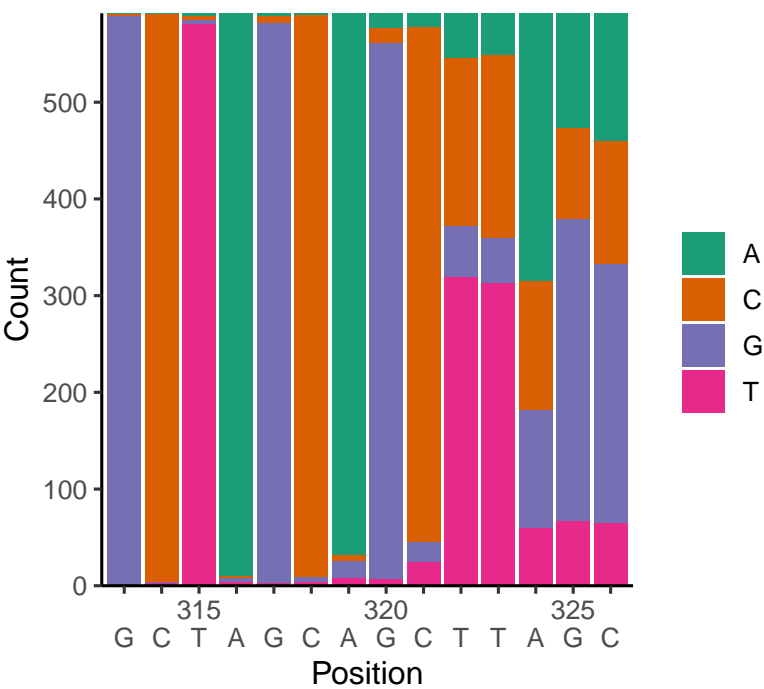


Gene TRBV7-1*ap01_G291C_T296C



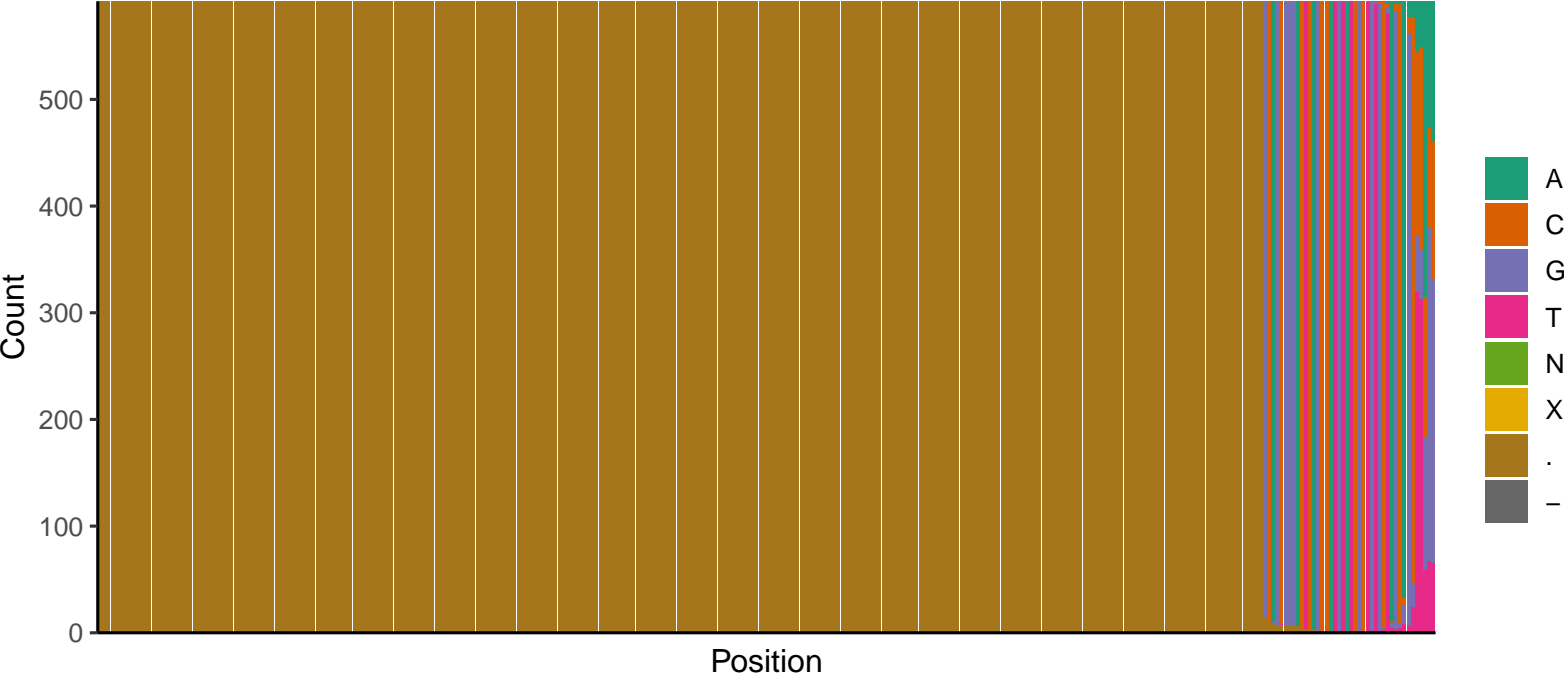
Gene TRBV7-7*ap01_C315T



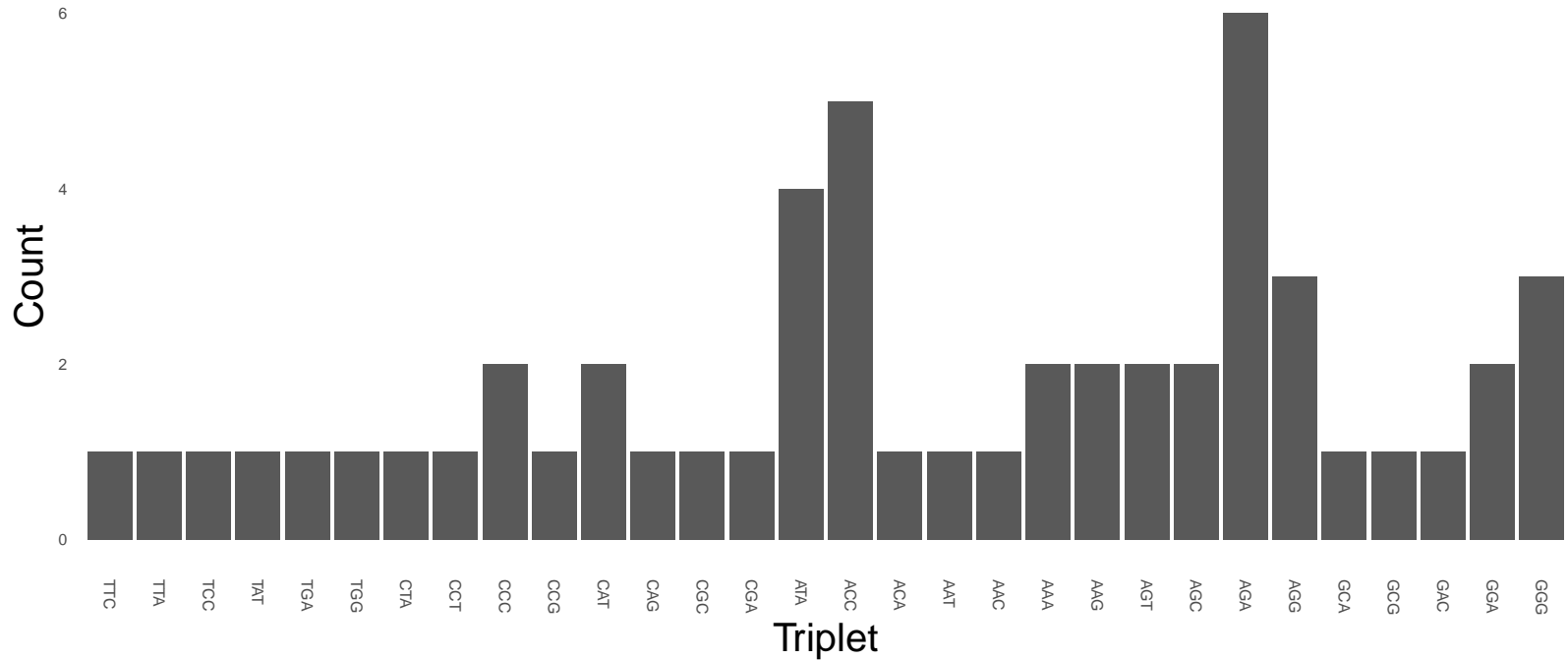
Gene TRBV7-1*ap01_G291C_T296C



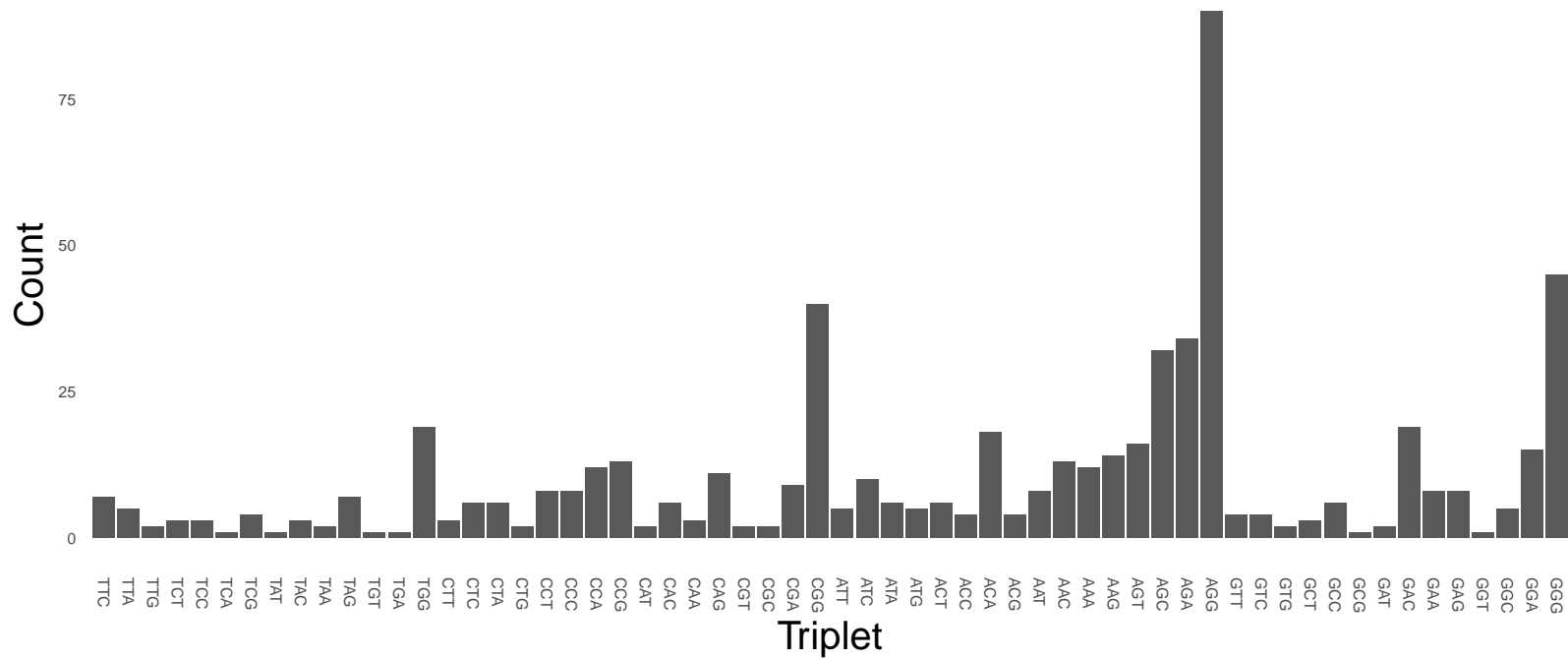
Gene TRBV7-7*ap01_C315T



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

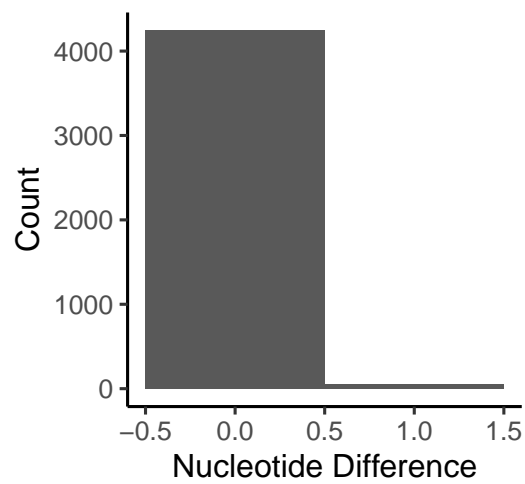


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



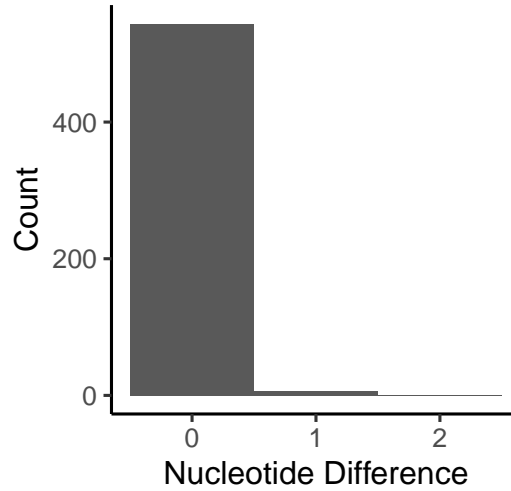
TRBV20-1*ap01

4299 sequences assigned
4245 (98.7%) exact matches, in which:
4143 unique CDR3
13 unique J



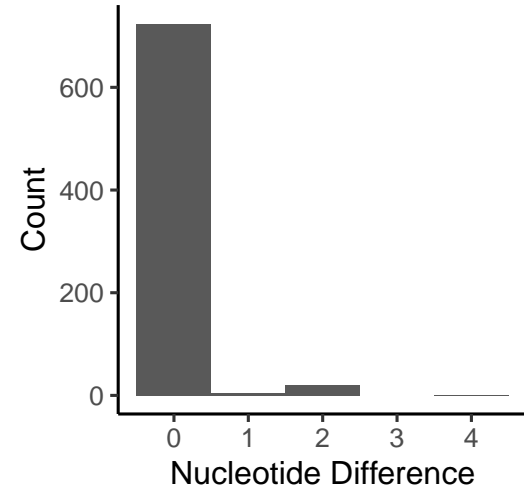
TRBV10-2*ap01

552 sequences assigned
544 (98.6%) exact matches, in which:
532 unique CDR3
13 unique J



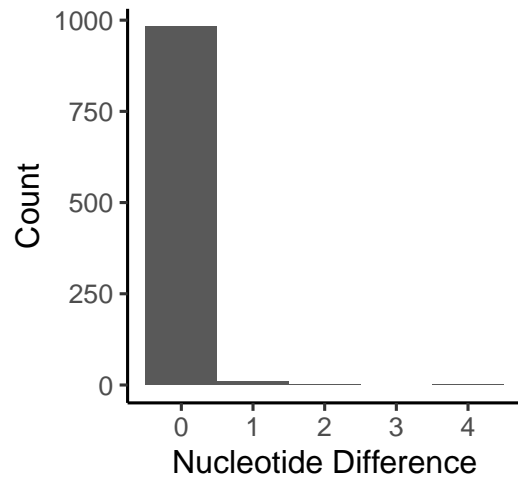
TRBV13*ap01

750 sequences assigned
724 (96.5%) exact matches, in which:
715 unique CDR3
13 unique J



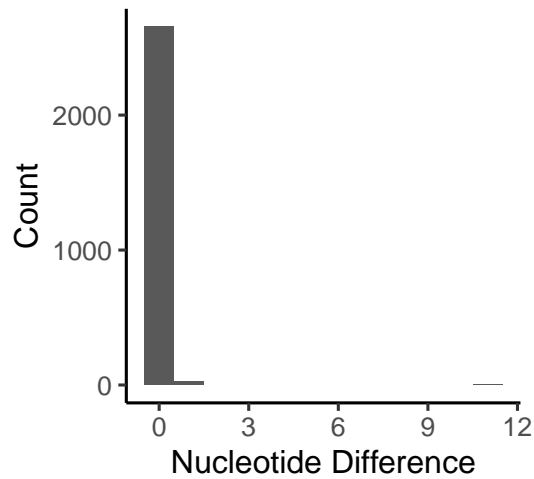
TRBV10-1*ap01

997 sequences assigned
982 (98.5%) exact matches, in which:
967 unique CDR3
13 unique J



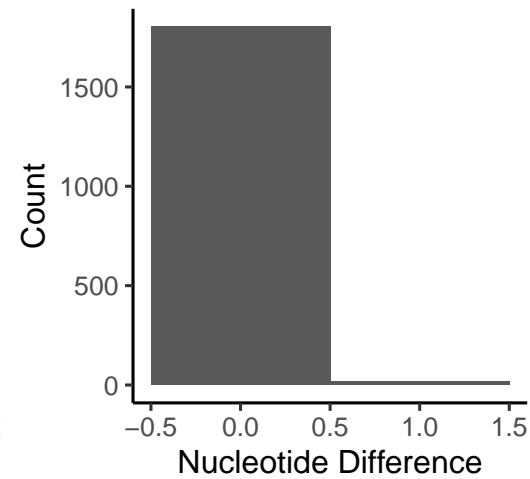
TRBV10-3*ap01

2679 sequences assigned
2655 (99.1%) exact matches, in which:
2596 unique CDR3
13 unique J



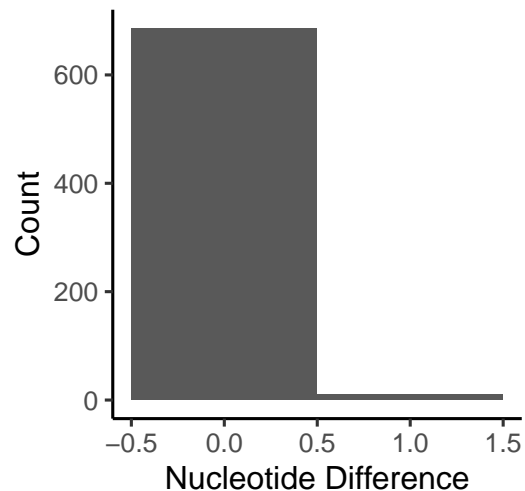
TRBV14*ap01

1819 sequences assigned
1803 (99.1%) exact matches, in which:
1762 unique CDR3
13 unique J



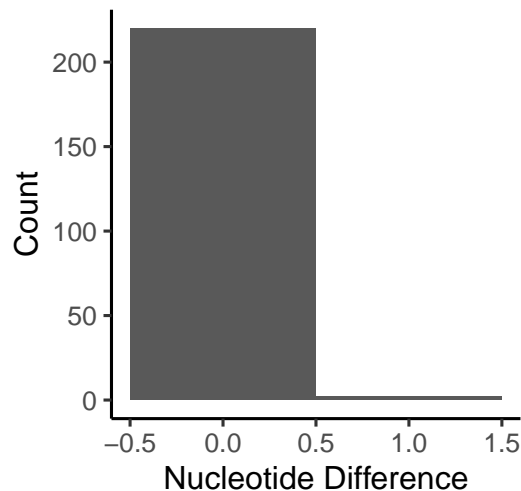
TRBV20-1*ap02

696 sequences assigned
686 (98.6%) exact matches, in which:
672 unique CDR3
13 unique J



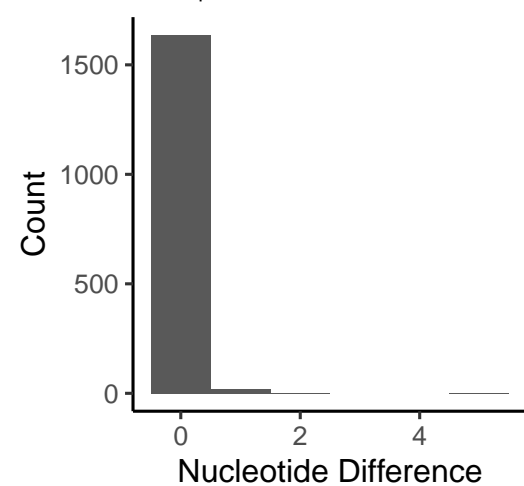
TRBV1*ap01

222 sequences assigned
220 (99.1%) exact matches, in which:
218 unique CDR3
13 unique J



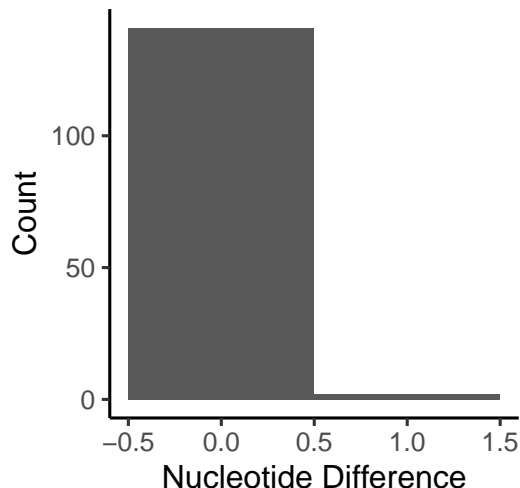
TRBV15*ap02

1659 sequences assigned
1636 (98.6%) exact matches, in which:
1596 unique CDR3
13 unique J



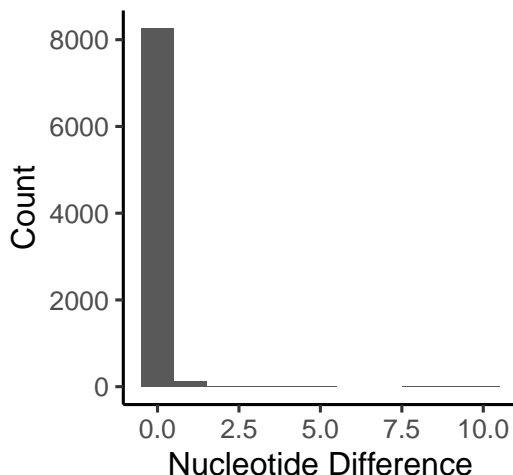
TRBV16*ap01

143 sequences assigned
141 (98.6%) exact matches, in which:
139 unique CDR3
13 unique J



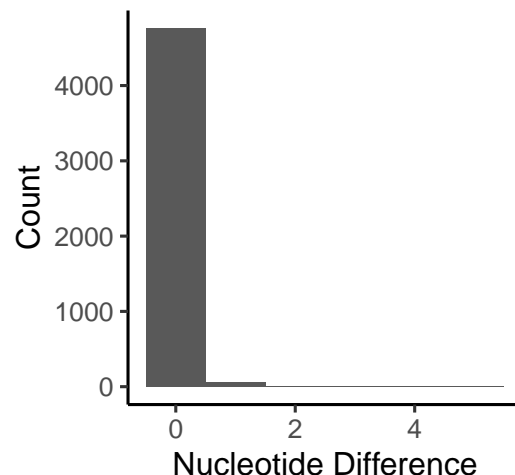
TRBV19*ap01

8401 sequences assigned
8260 (98.3%) exact matches, in which:
8120 unique CDR3
13 unique J



TRBV27*ap01

4819 sequences assigned
4759 (98.8%) exact matches, in which:
4647 unique CDR3
13 unique J



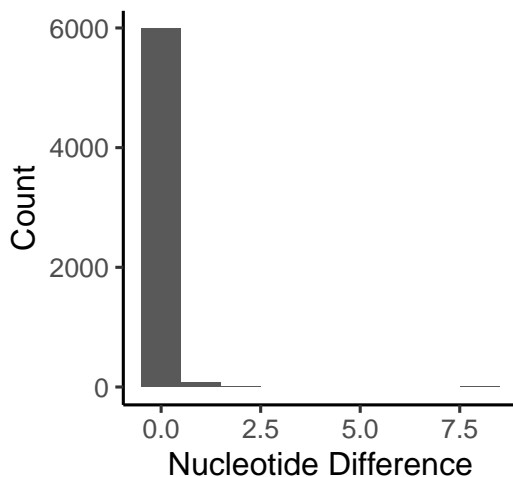
TRBV17*ap01

1 sequences assigned
No exact matches.



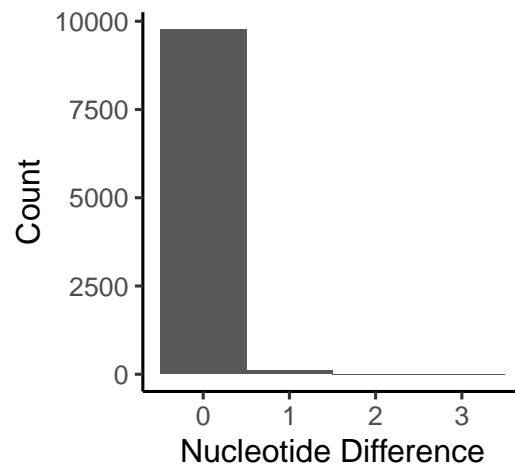
TRBV2*ap01

6061 sequences assigned
5987 (98.8%) exact matches, in which:
5902 unique CDR3
13 unique J



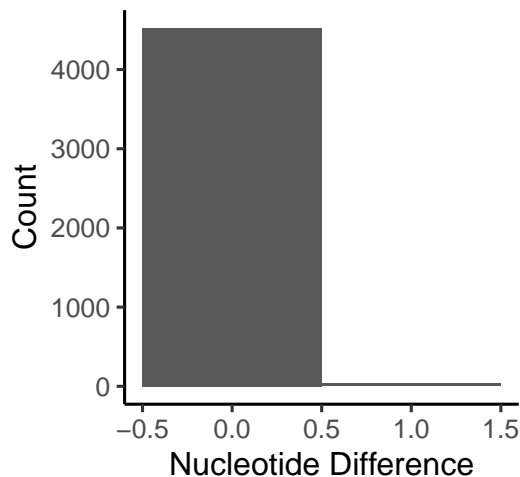
TRBV28*ap01

9878 sequences assigned
9767 (98.9%) exact matches, in which:
9523 unique CDR3
13 unique J



TRBV18*ap01

4560 sequences assigned
4524 (99.2%) exact matches, in which:
4433 unique CDR3
13 unique J



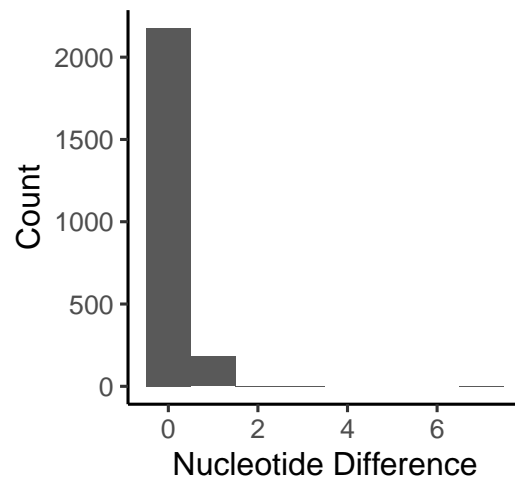
TRBV26*ap01

1 sequences assigned
No exact matches.



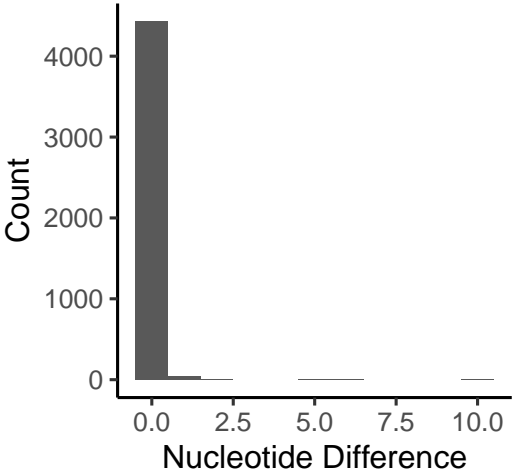
TRBV30*ap01

2363 sequences assigned
2177 (92.1%) exact matches, in which:
2148 unique CDR3
13 unique J



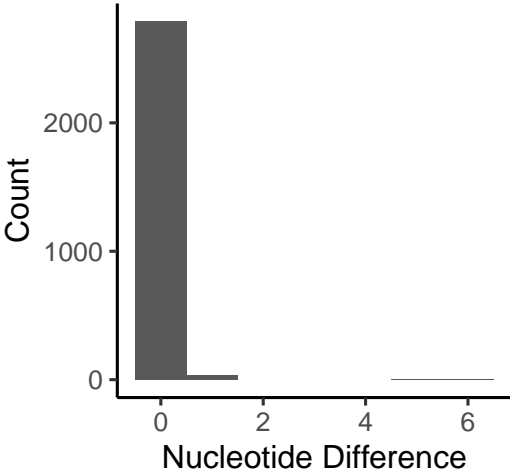
TRBV9*ap01

4483 sequences assigned
4430 (98.8%) exact matches, in which:
4315 unique CDR3
13 unique J



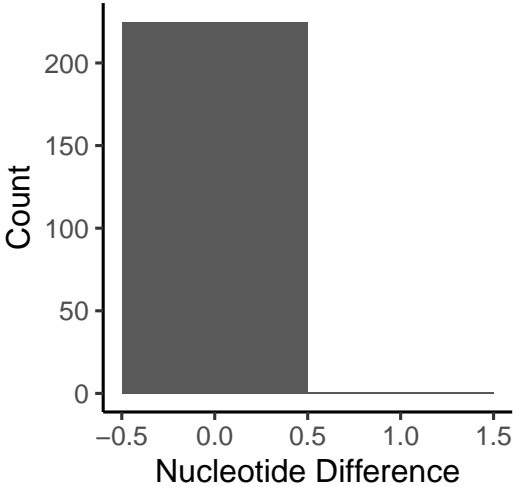
TRBV11-2*ap01

2826 sequences assigned
2790 (98.7%) exact matches, in which:
2716 unique CDR3
13 unique J



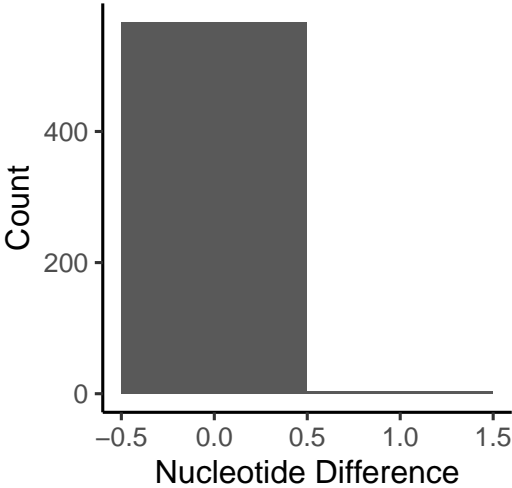
TRBV12-2*ap01

226 sequences assigned
225 (99.6%) exact matches, in which:
221 unique CDR3
13 unique J



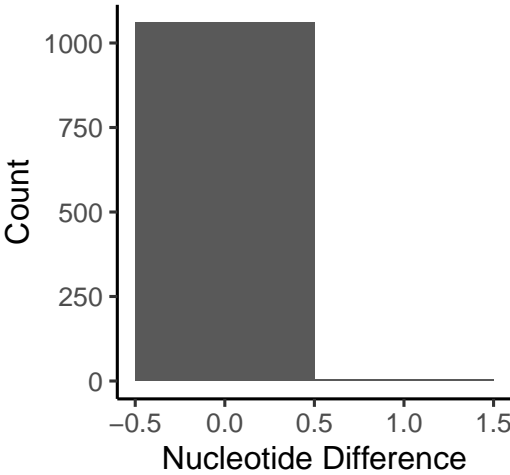
TRBV11-1*ap01

571 sequences assigned
567 (99.3%) exact matches, in which:
557 unique CDR3
13 unique J



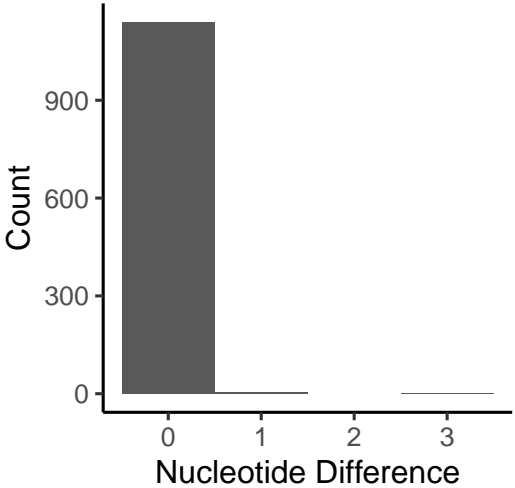
TRBV11-3*ap01

1065 sequences assigned
1060 (99.5%) exact matches, in which:
1046 unique CDR3
13 unique J



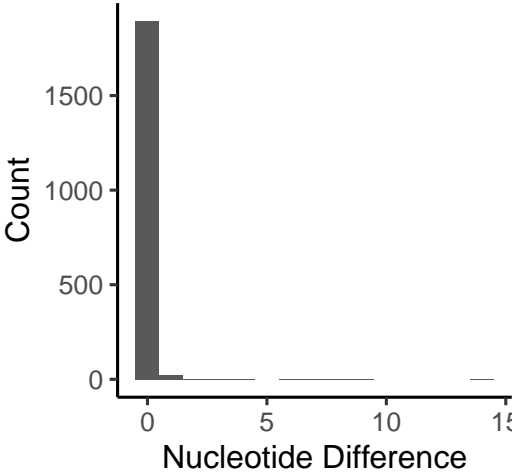
TRBV12-5*ap01

1146 sequences assigned
1140 (99.5%) exact matches, in which:
1110 unique CDR3
13 unique J



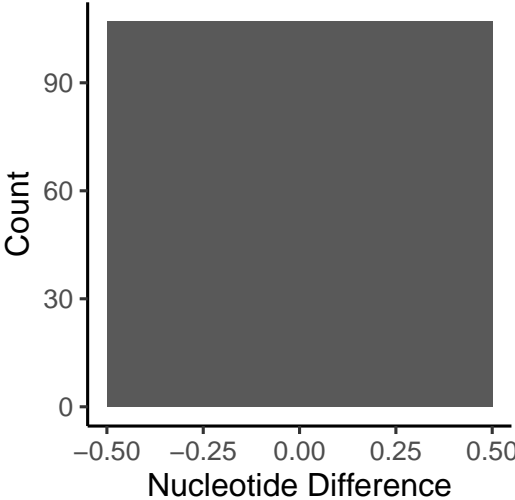
TRBV21-1*ap01

1931 sequences assigned
1894 (98.1%) exact matches, in which:
1841 unique CDR3
13 unique J



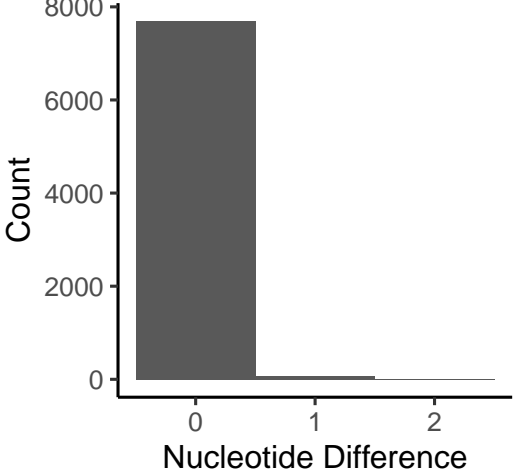
TRBV12-1*ap01

107 sequences assigned
107 (100%) exact matches, in which:
105 unique CDR3
12 unique J



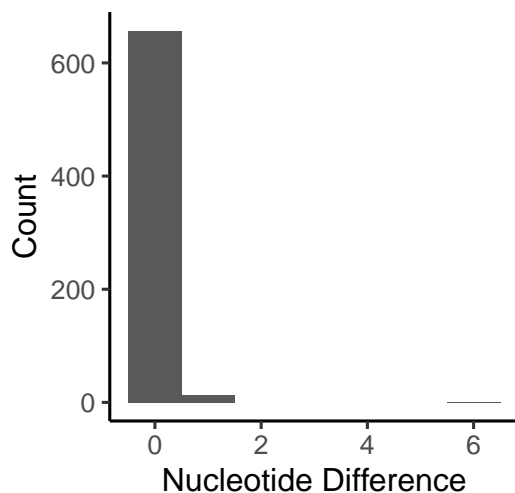
TRBV12-34*ap01

7773 sequences assigned
7695 (99%) exact matches, in which:
7551 unique CDR3
13 unique J



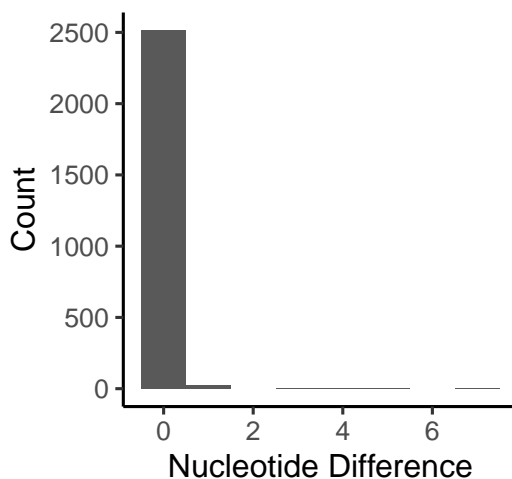
TRBV23–1*ap01

671 sequences assigned
657 (97.9%) exact matches, in which:
646 unique CDR3
13 unique J



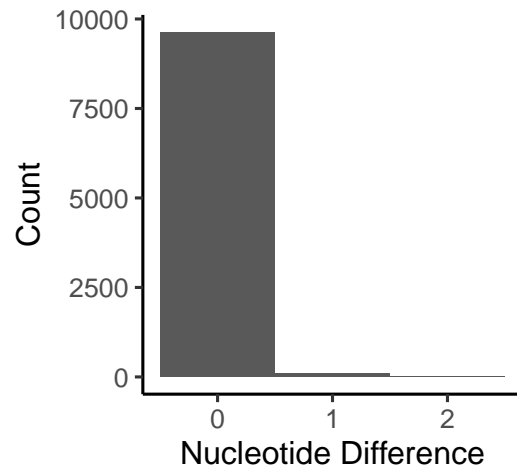
TRBV24–1*ap01

2545 sequences assigned
2514 (98.8%) exact matches, in which:
2475 unique CDR3
13 unique J



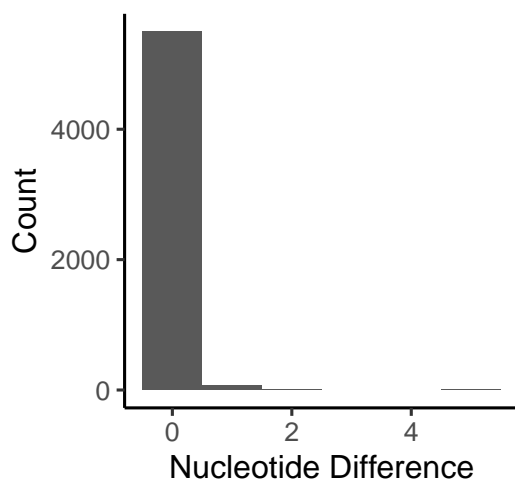
TRBV5–1*ap01

9733 sequences assigned
9632 (99%) exact matches, in which:
9403 unique CDR3
13 unique J



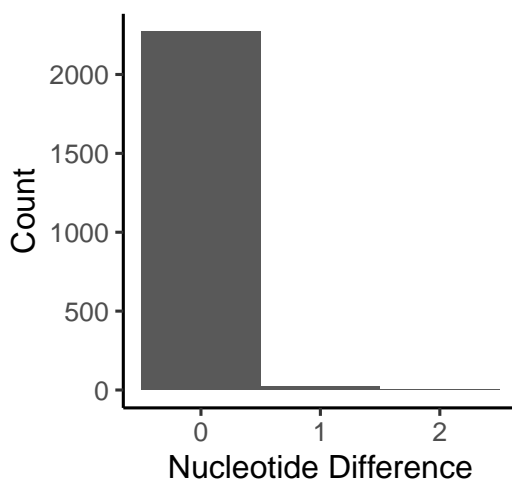
TRBV3–12*ap01

5560 sequences assigned
5496 (98.8%) exact matches, in which:
5383 unique CDR3
13 unique J



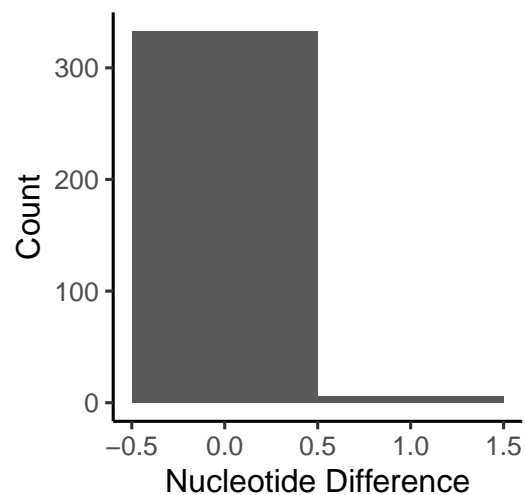
TRBV4–2*ap01

2298 sequences assigned
2271 (98.8%) exact matches, in which:
2228 unique CDR3
13 unique J



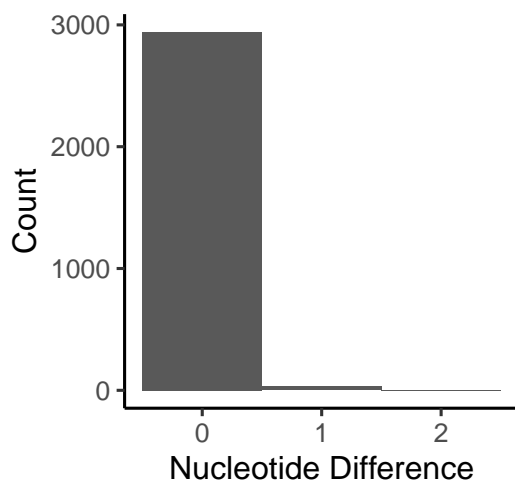
TRBV5–3*ap01

339 sequences assigned
333 (98.2%) exact matches, in which:
326 unique CDR3
13 unique J



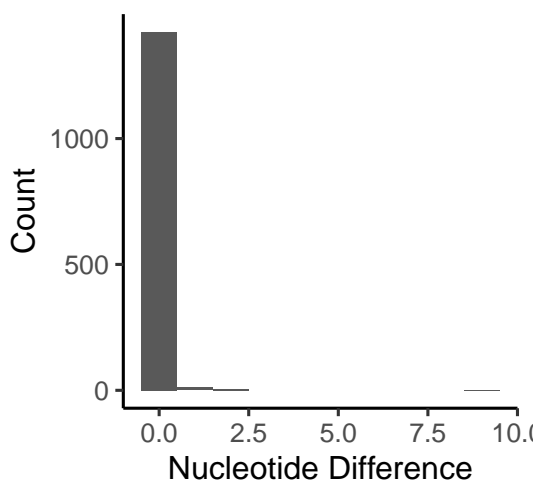
TRBV4–1*ap01

2973 sequences assigned
2941 (98.9%) exact matches, in which:
2893 unique CDR3
13 unique J



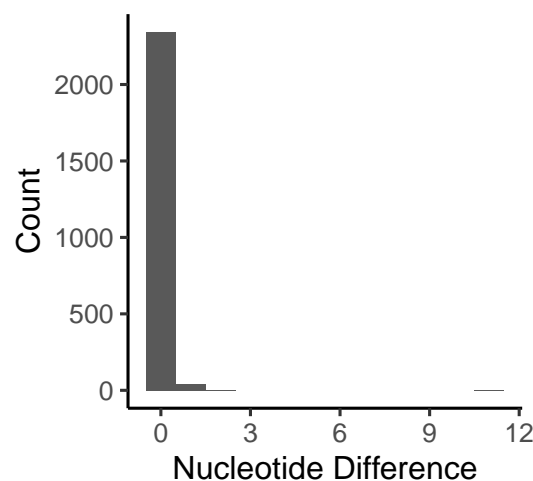
TRBV25–1*ap01

1440 sequences assigned
1423 (98.8%) exact matches, in which:
1404 unique CDR3
13 unique J



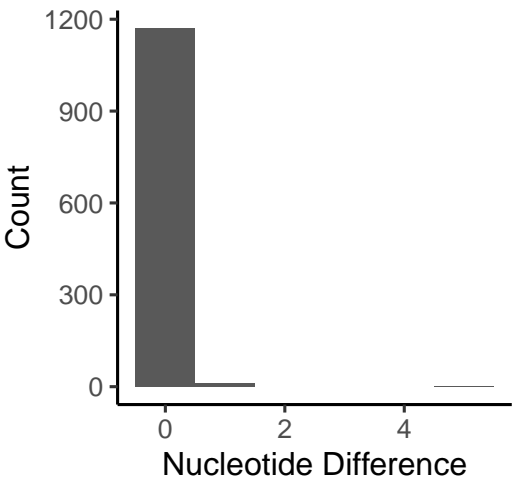
TRBV5–4*ap01

2387 sequences assigned
2343 (98.2%) exact matches, in which:
2294 unique CDR3
13 unique J



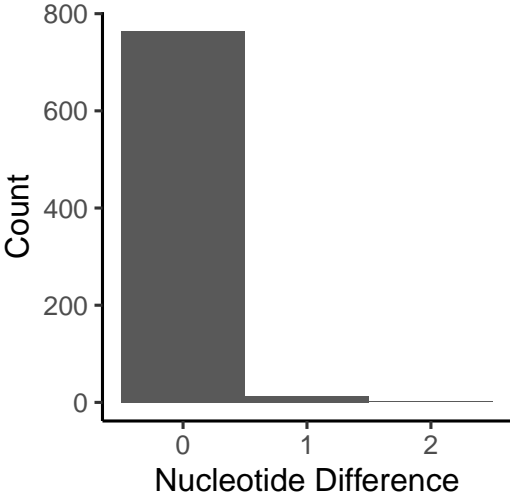
TRBV5-5*ap01

1181 sequences assigned
1170 (99.1%) exact matches, in which:
1143 unique CDR3
13 unique J



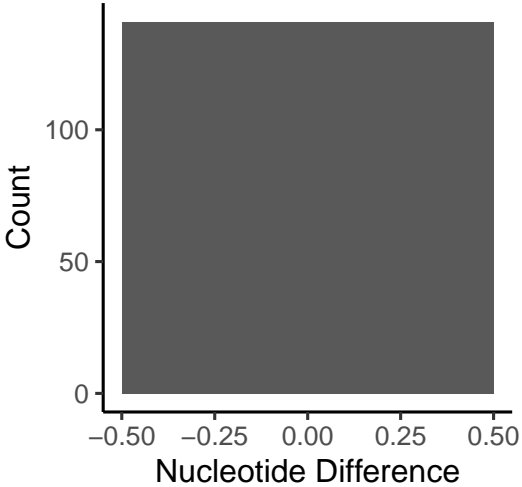
TRBV5-8*ap01

780 sequences assigned
765 (98.1%) exact matches, in which:
754 unique CDR3
13 unique J



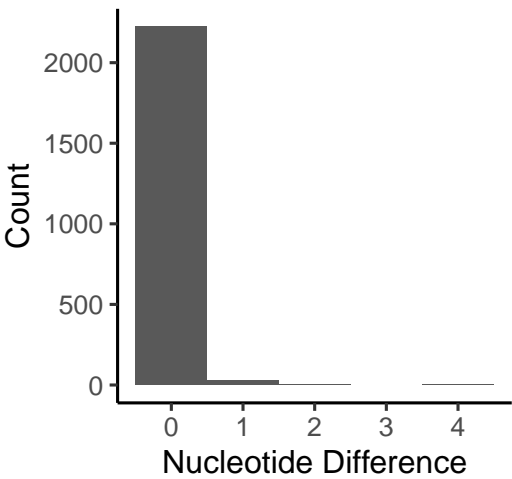
TRBV6-7*ap01

141 sequences assigned
141 (100%) exact matches, in which:
139 unique CDR3
13 unique J



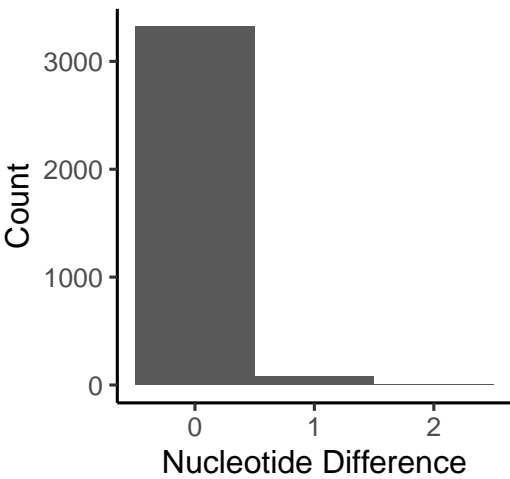
TRBV5-6*ap01

2257 sequences assigned
2223 (98.5%) exact matches, in which:
2174 unique CDR3
13 unique J



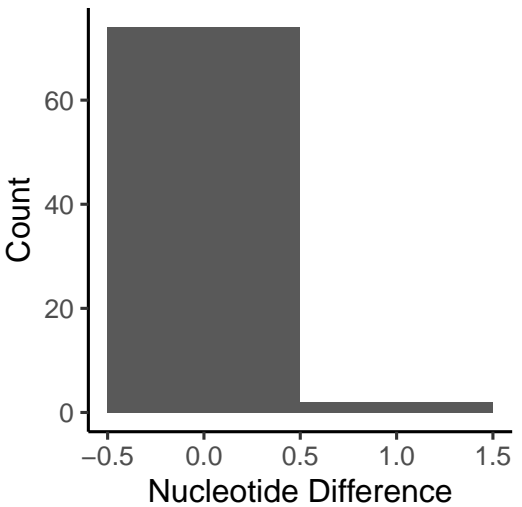
TRBV6-1*ap01

3398 sequences assigned
3321 (97.7%) exact matches, in which:
3234 unique CDR3
13 unique J



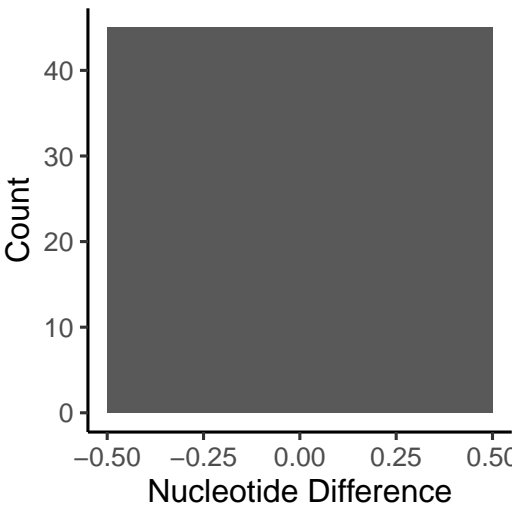
TRBV6-8*ap01

76 sequences assigned
74 (97.4%) exact matches, in which:
73 unique CDR3
12 unique J



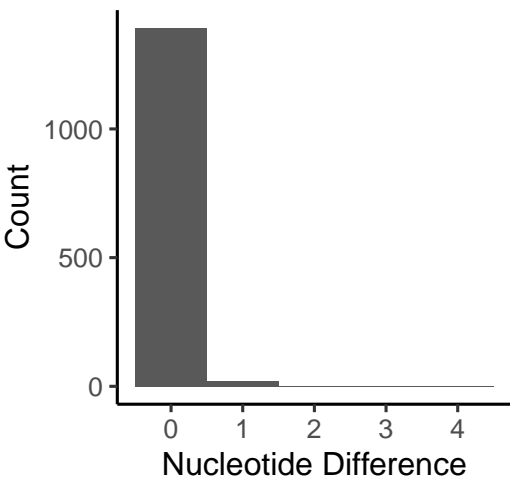
TRBV5-7*ap01

45 sequences assigned
45 (100%) exact matches, in which:
45 unique CDR3
12 unique J



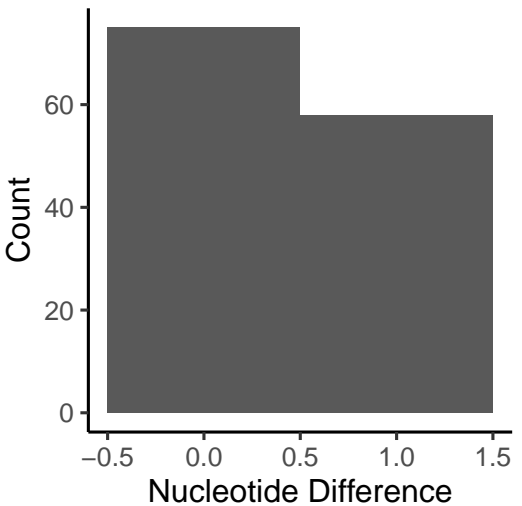
TRBV6-4*ap01

1417 sequences assigned
1392 (98.2%) exact matches, in which:
1371 unique CDR3
13 unique J



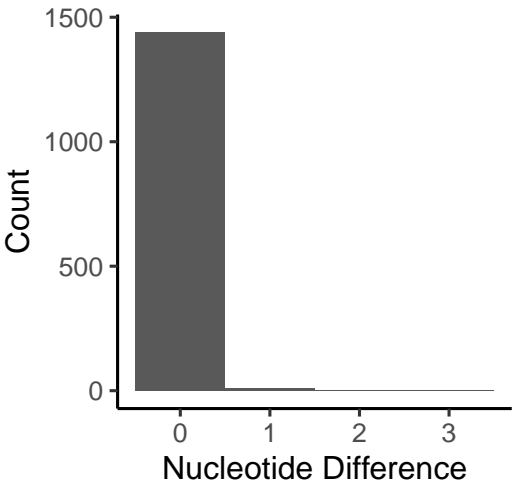
TRBV6-9*ap01

133 sequences assigned
75 (56.4%) exact matches, in which:
72 unique CDR3
12 unique J



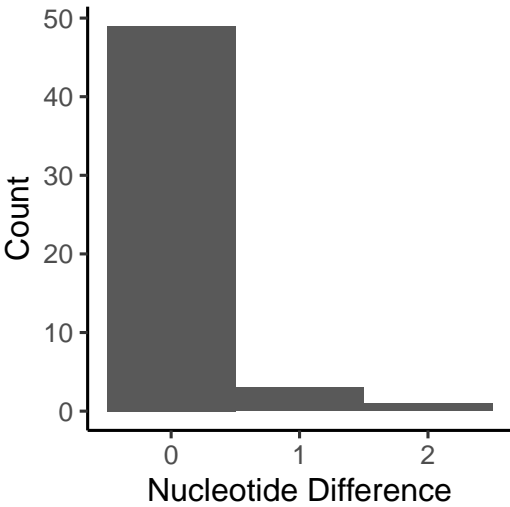
TRBV6-23*ap01

1451 sequences assigned
1439 (99.2%) exact matches, in which:
1413 unique CDR3
13 unique J



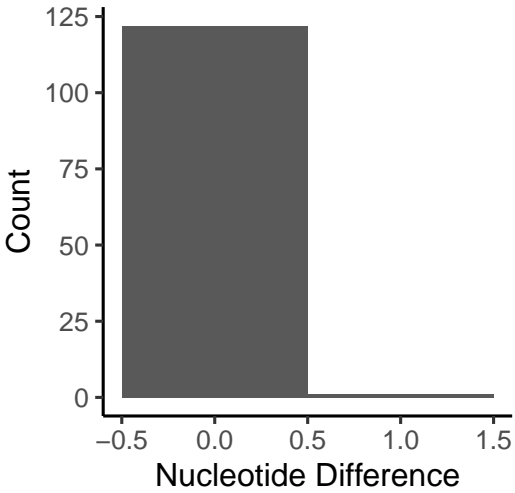
TRBV7-1*ap01_G291C_T

53 sequences assigned
49 (92.5%) exact matches, in which:
49 unique CDR3
12 unique J



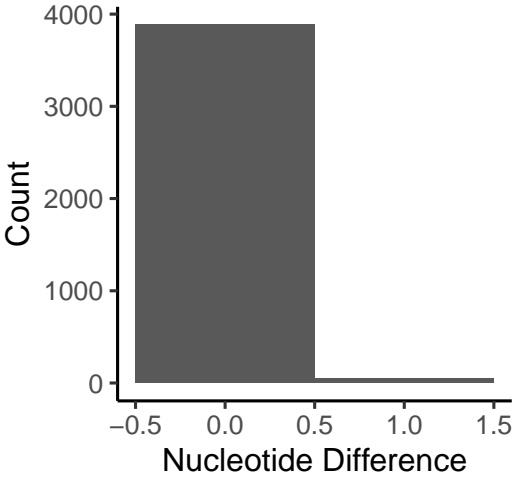
TRBV7-4*ap01

123 sequences assigned
122 (99.2%) exact matches, in which:
120 unique CDR3
13 unique J



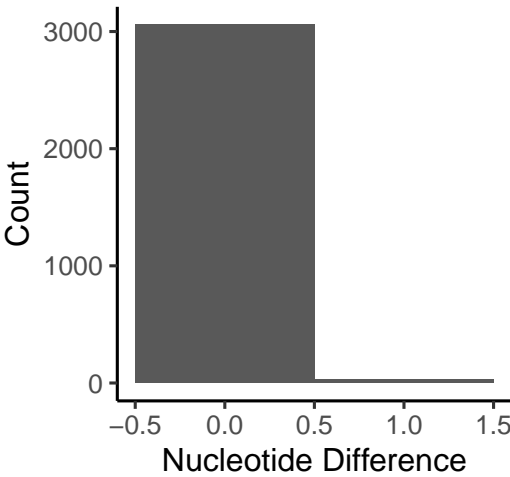
TRBV6-56*ap01

3937 sequences assigned
3885 (98.7%) exact matches, in which:
3827 unique CDR3
13 unique J



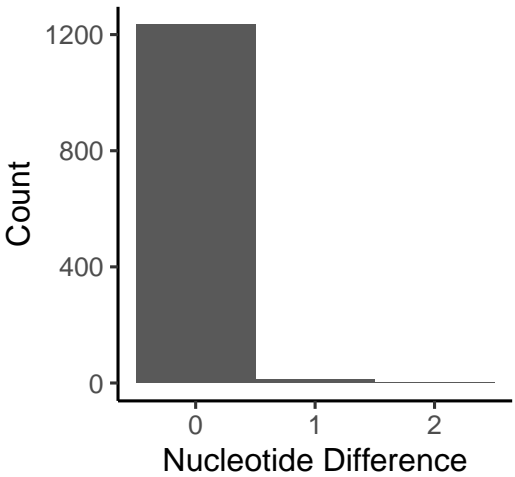
TRBV7-2*ap01

3091 sequences assigned
3058 (98.9%) exact matches, in which:
2980 unique CDR3
13 unique J



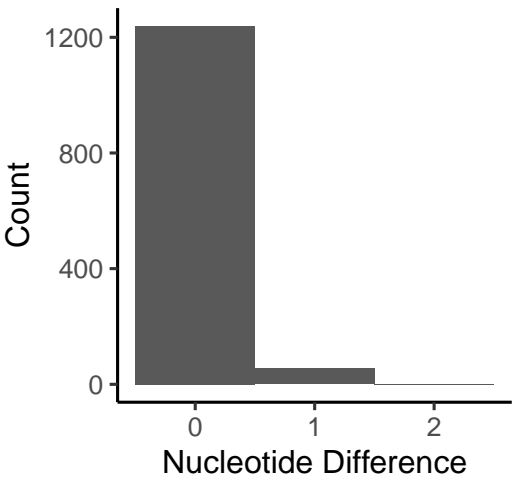
TRBV7-6*ap01

1246 sequences assigned
1234 (99%) exact matches, in which:
1199 unique CDR3
13 unique J



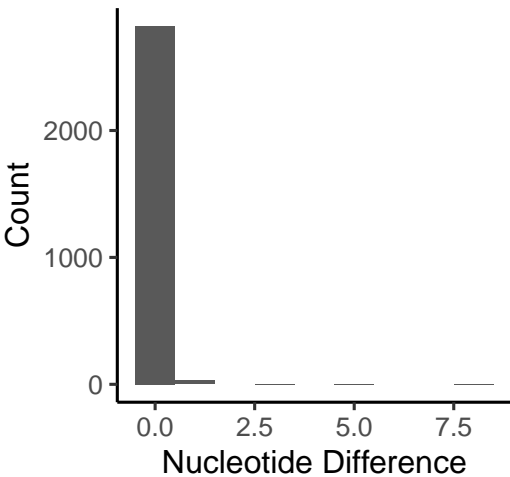
TRBV6-56*ap02

1295 sequences assigned
1239 (95.7%) exact matches, in which:
1221 unique CDR3
13 unique J



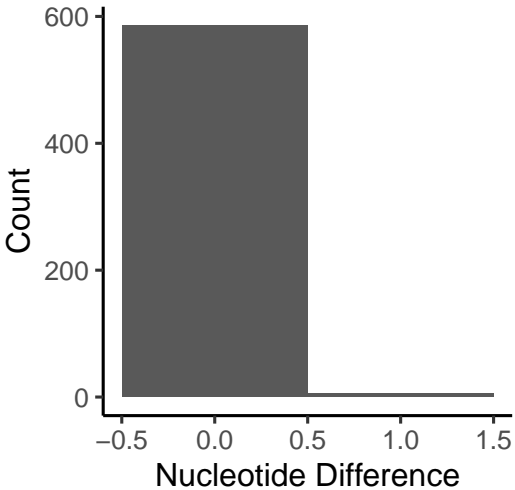
TRBV7-3*ap01

2855 sequences assigned
2823 (98.9%) exact matches, in which:
2756 unique CDR3
13 unique J



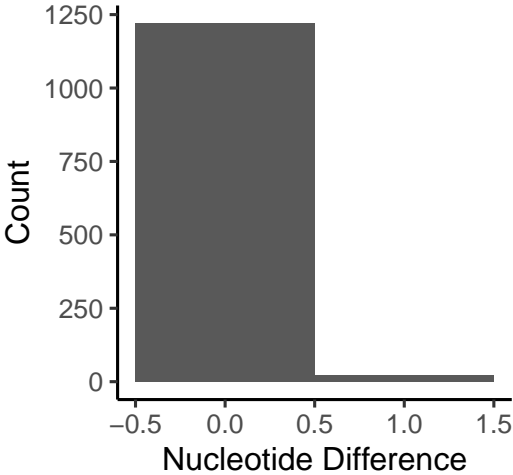
TRBV7-7*ap01_C315T

592 sequences assigned
586 (99%) exact matches, in which:
577 unique CDR3
13 unique J



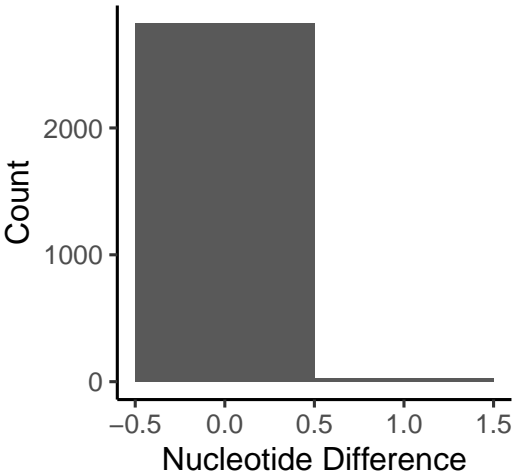
TRBV7-8*ap01

1241 sequences assigned
1220 (98.3%) exact matches, in which:
1198 unique CDR3
13 unique J



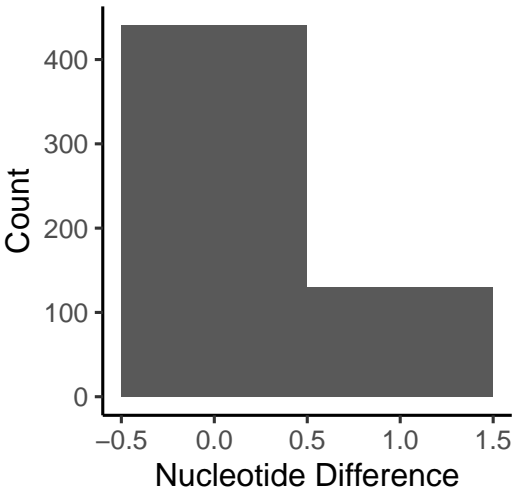
TRBV29-1*ap01

2852 sequences assigned
2824 (99%) exact matches, in which:
2795 unique CDR3
13 unique J



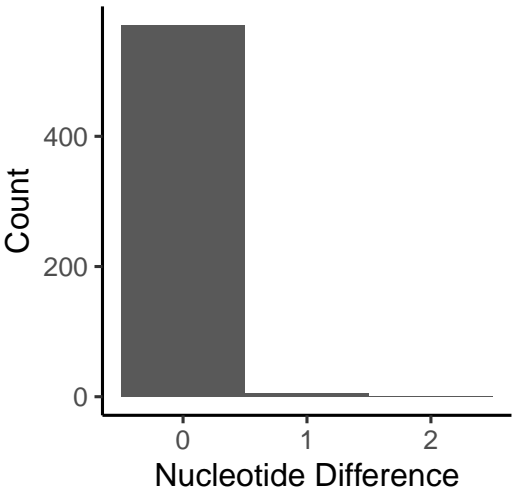
TRBV7-8*ap03

571 sequences assigned
441 (77.2%) exact matches, in which:
434 unique CDR3
13 unique J



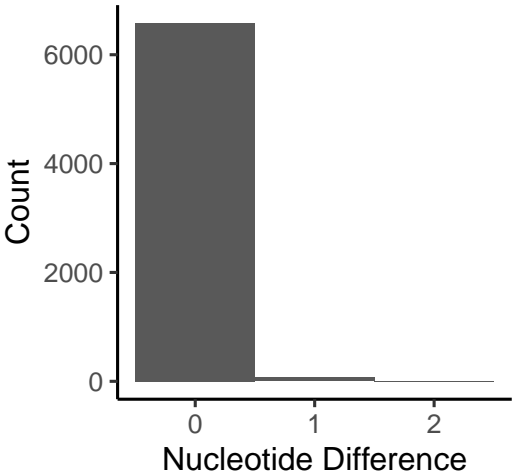
TRBV29-1*ap02

578 sequences assigned
571 (98.8%) exact matches, in which:
561 unique CDR3
13 unique J

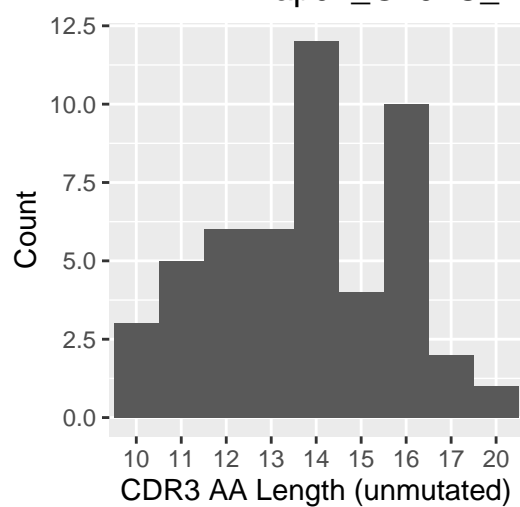


TRBV7-9*ap01

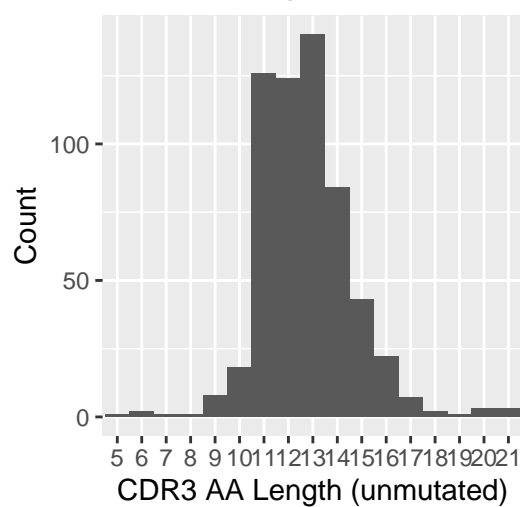
6652 sequences assigned
6582 (98.9%) exact matches, in which:
6435 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]