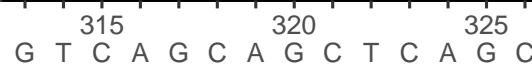
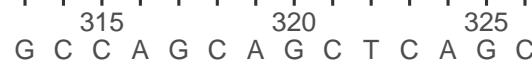


Gene TRBV7-1*ap01_T296C_C314T



Gene TRBV7-1*ap01_T296C



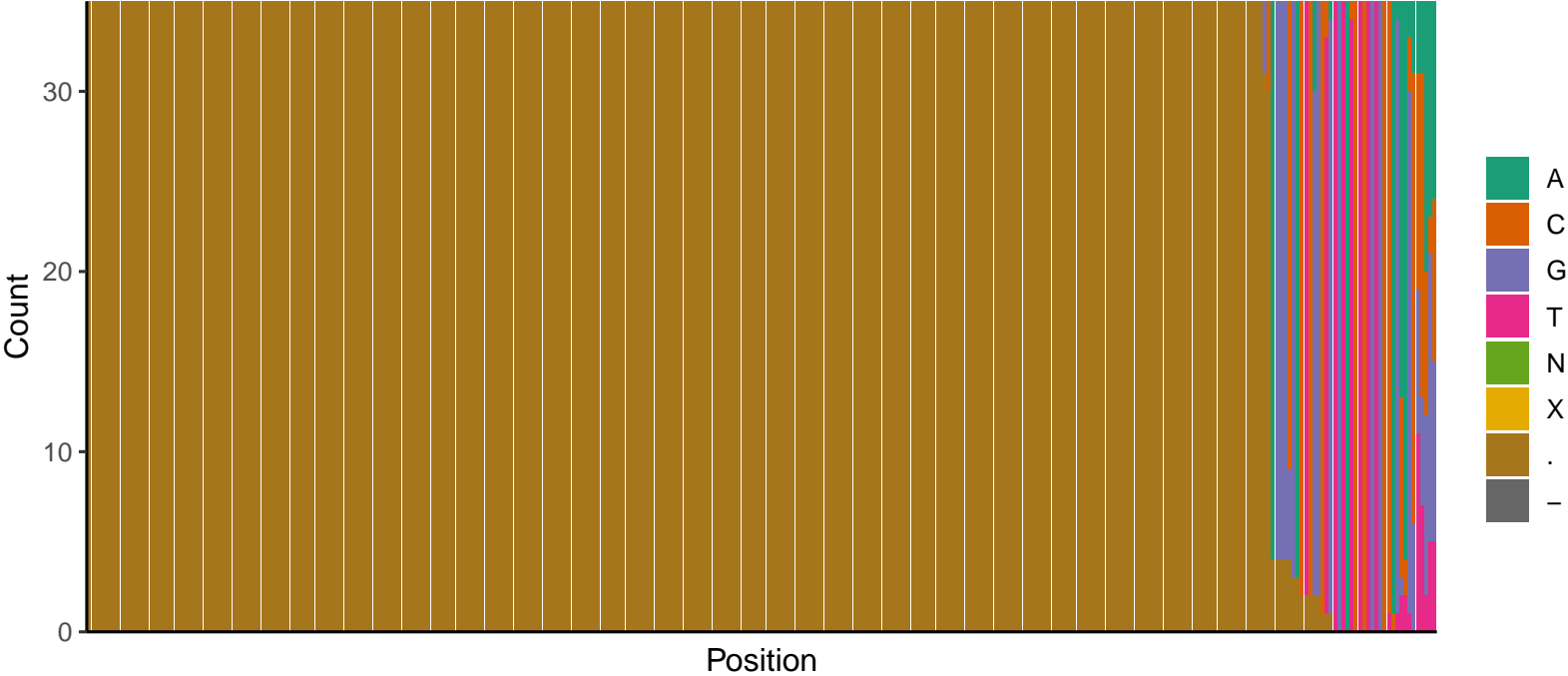
Gene TRBV7-7*ap01_C315T



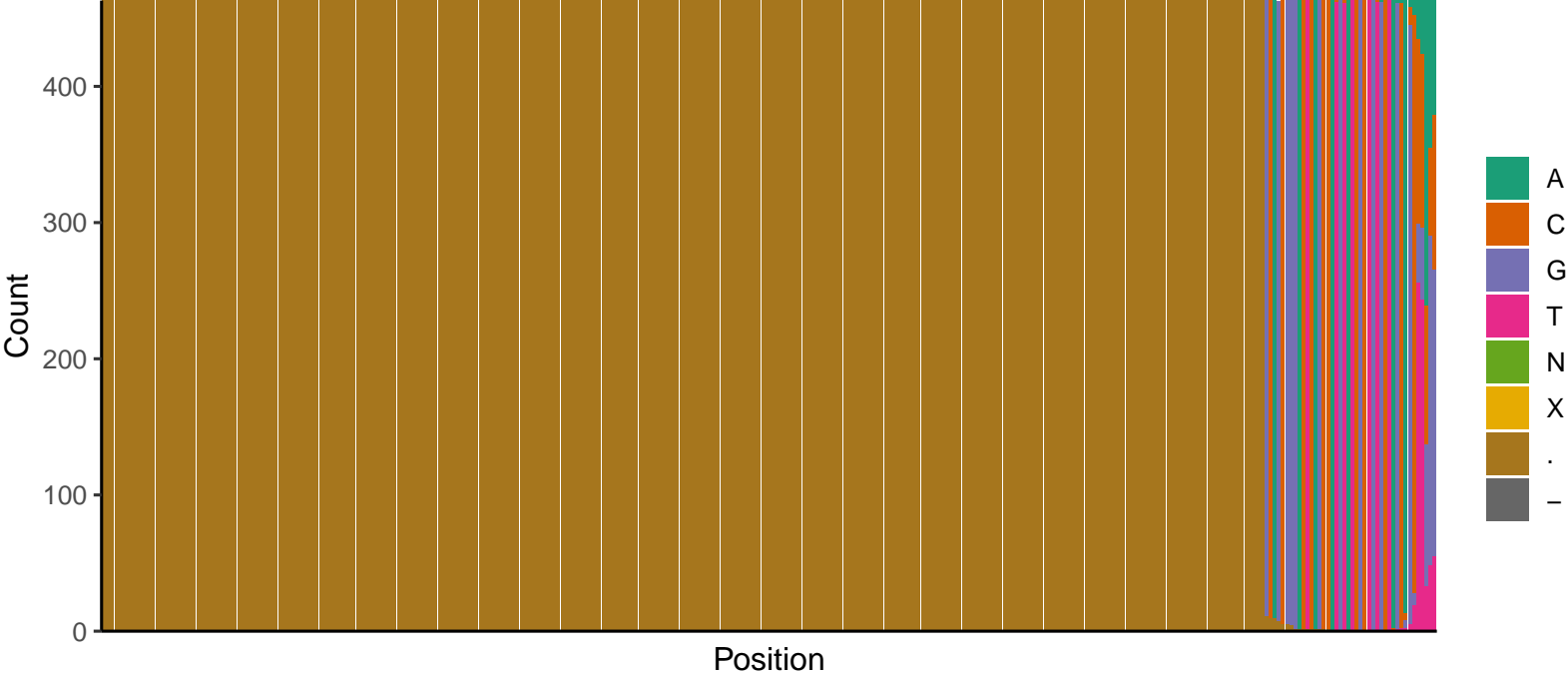
Gene TRBV7-1*ap01_T296C_C314T



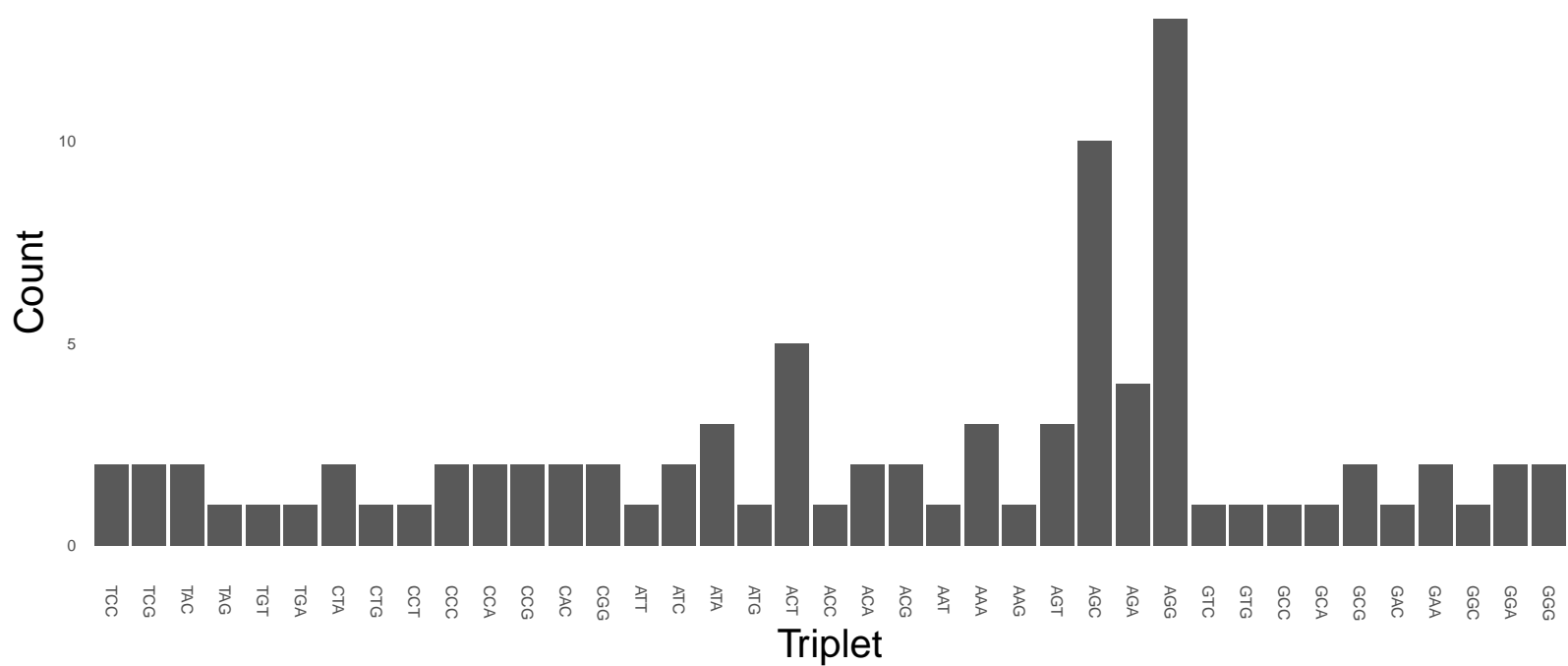
Gene TRBV7-1*ap01_T296C



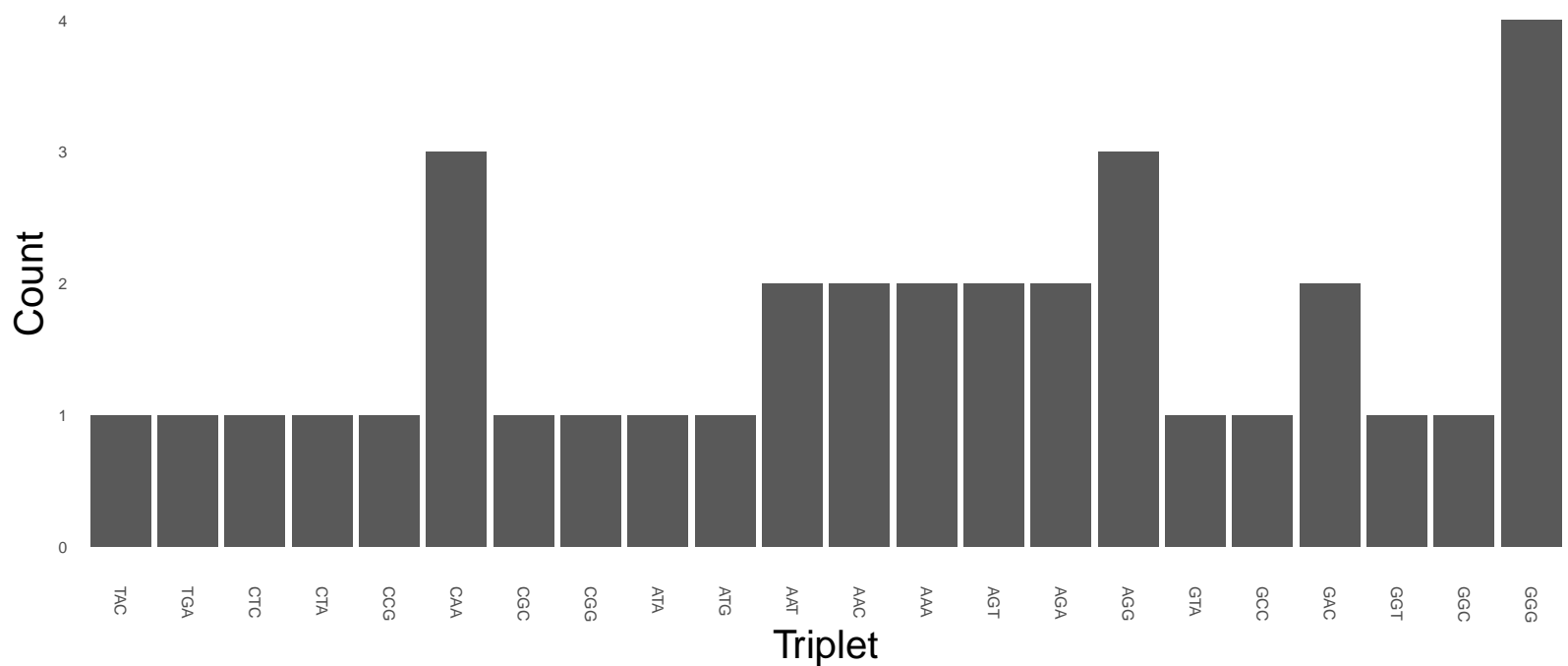
Gene TRBV7-7*ap01_C315T



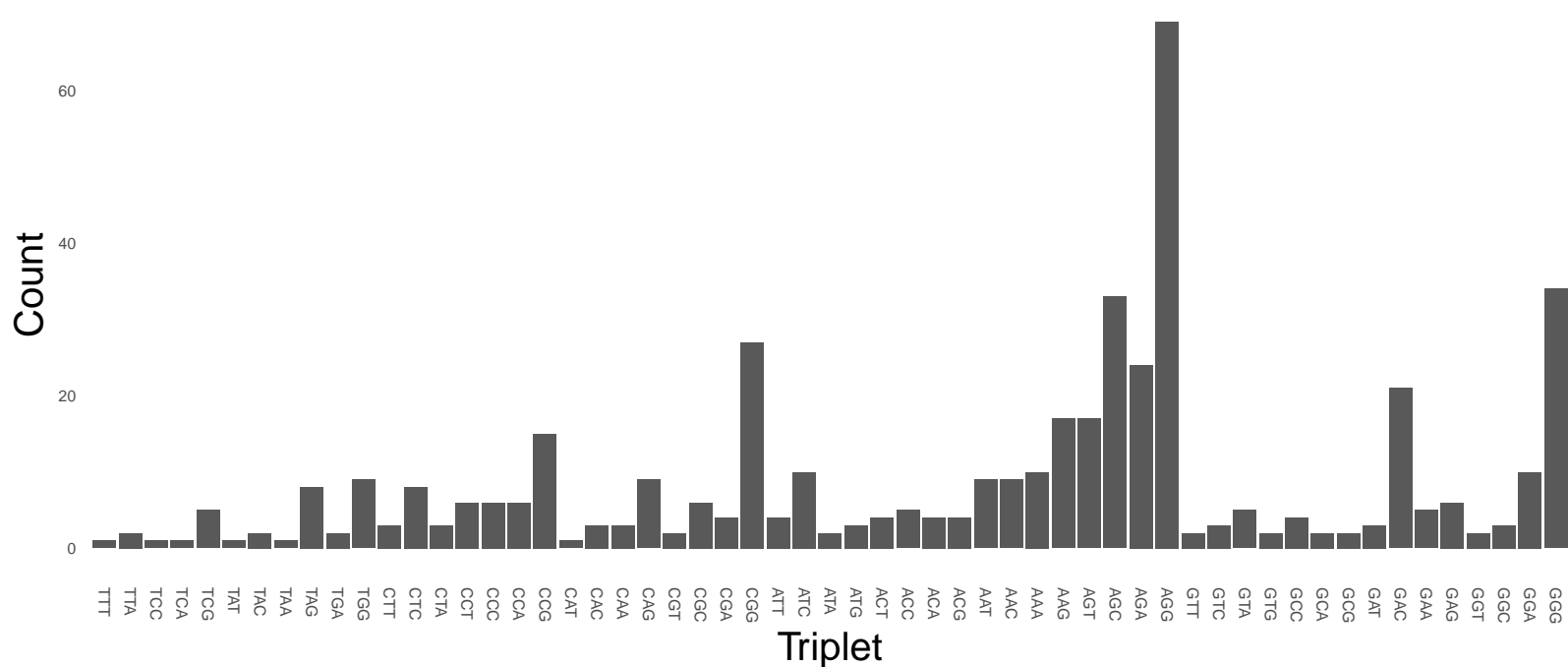
TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet



TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet

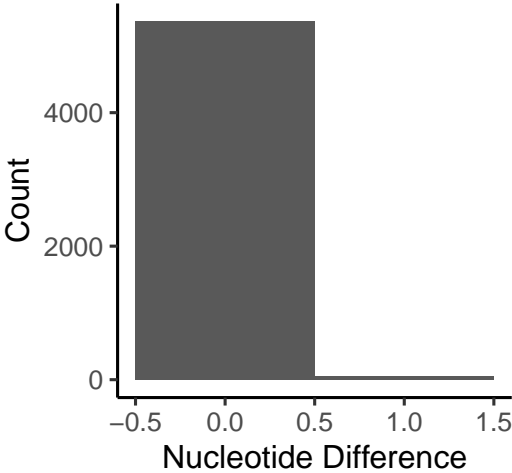


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



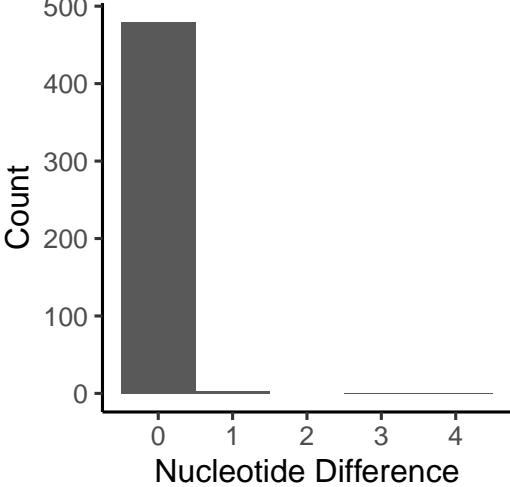
TRBV20-1*ap01

5427 sequences assigned
5367 (98.9%) exact matches, in which:
5288 unique CDR3
13 unique J



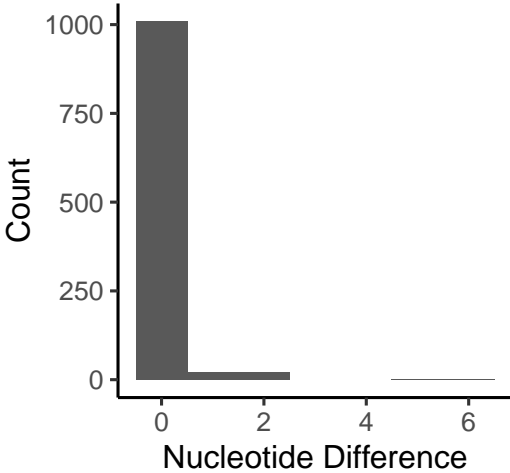
TRBV10-2*ap01

485 sequences assigned
480 (99%) exact matches, in which:
466 unique CDR3
13 unique J



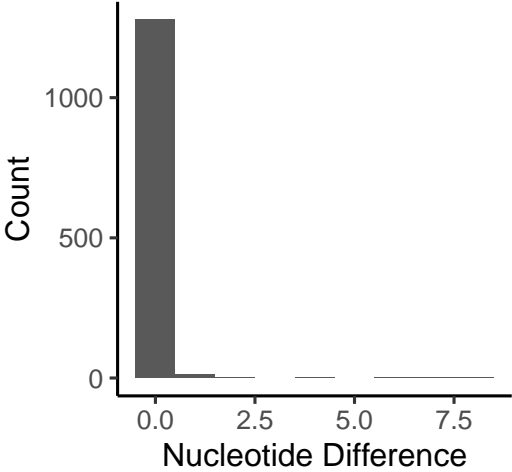
TRBV13*ap01

1051 sequences assigned
1009 (96%) exact matches, in which:
989 unique CDR3
13 unique J



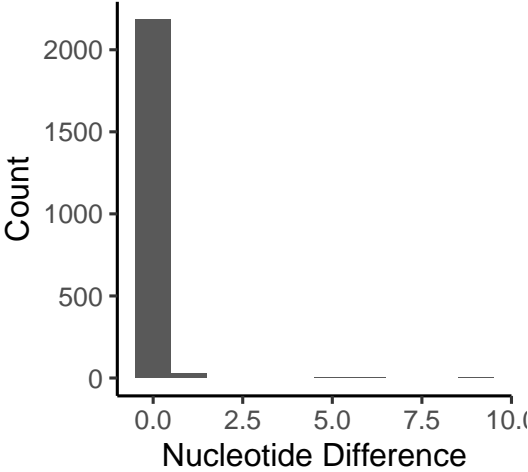
TRBV10-1*ap01

1298 sequences assigned
1278 (98.5%) exact matches, in which:
1250 unique CDR3
13 unique J



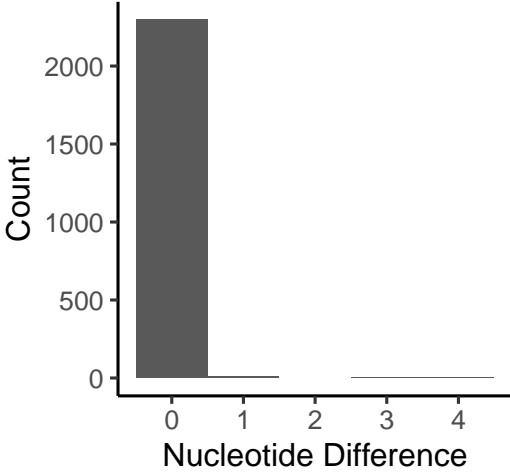
TRBV10-3*ap01

2214 sequences assigned
2183 (98.6%) exact matches, in which:
2144 unique CDR3
13 unique J



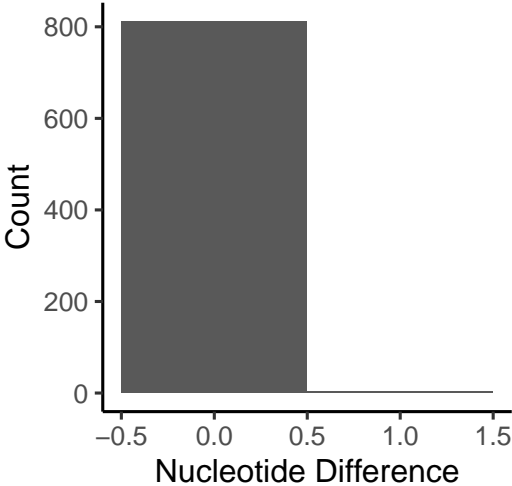
TRBV14*ap01

2309 sequences assigned
2297 (99.5%) exact matches, in which:
2277 unique CDR3
13 unique J



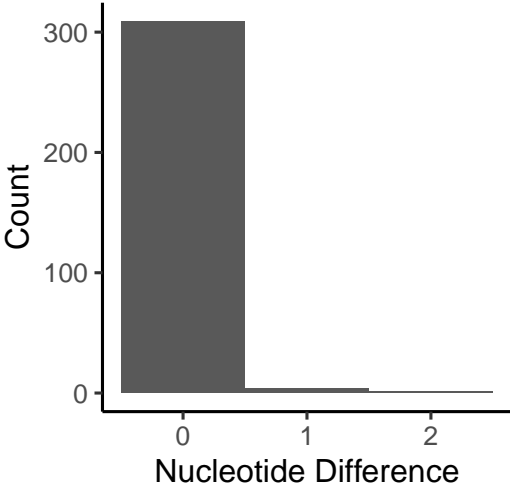
TRBV20-1*ap02

816 sequences assigned
812 (99.5%) exact matches, in which:
798 unique CDR3
13 unique J



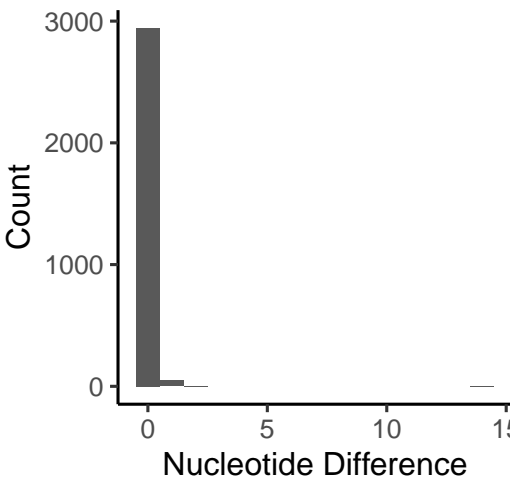
TRBV1*ap01

314 sequences assigned
309 (98.4%) exact matches, in which:
303 unique CDR3
13 unique J



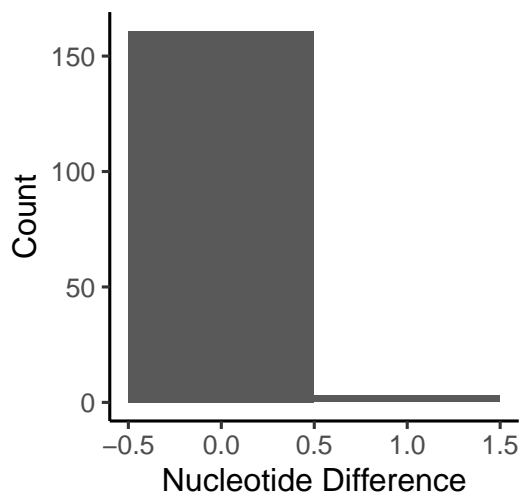
TRBV15*ap02

2996 sequences assigned
2943 (98.2%) exact matches, in which:
2893 unique CDR3
13 unique J



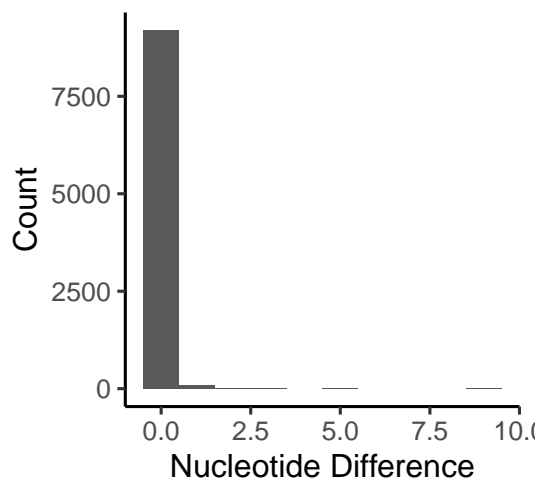
TRBV16*ap01

164 sequences assigned
161 (98.2%) exact matches, in which:
161 unique CDR3
13 unique J



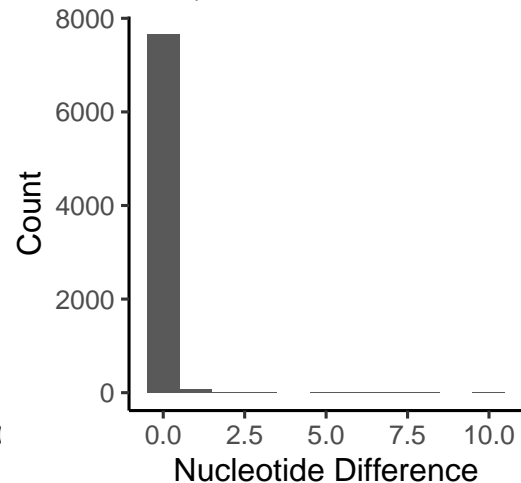
TRBV19*ap01

9283 sequences assigned
9190 (99%) exact matches, in which:
9127 unique CDR3
13 unique J



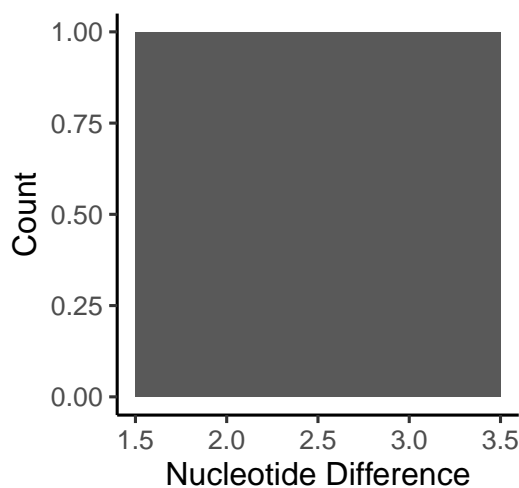
TRBV27*ap01

7737 sequences assigned
7656 (99%) exact matches, in which:
7542 unique CDR3
13 unique J



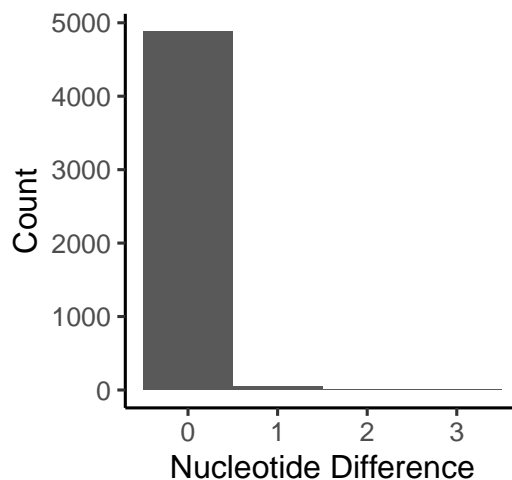
TRBV17*ap01

2 sequences assigned
No exact matches.



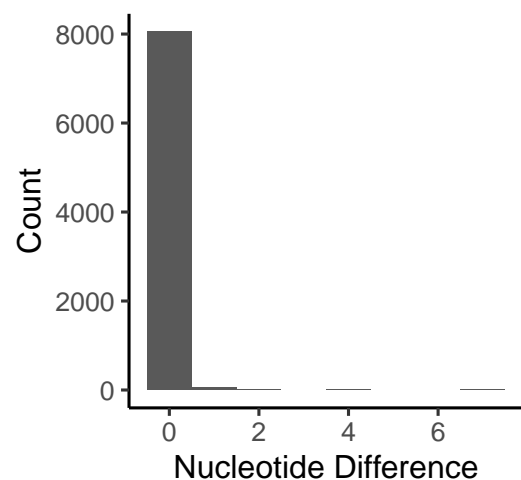
TRBV2*ap01

4929 sequences assigned
4878 (99%) exact matches, in which:
4804 unique CDR3
13 unique J



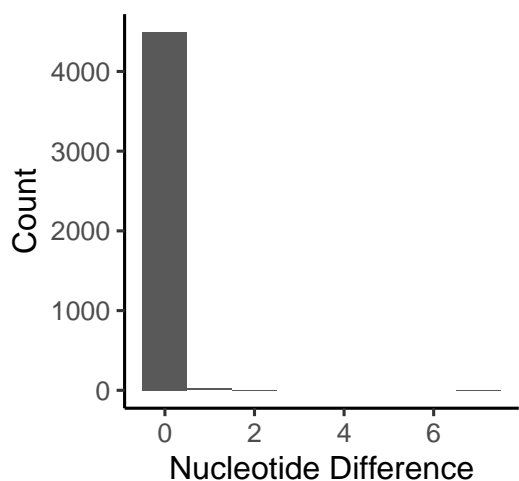
TRBV28*ap01

8126 sequences assigned
8052 (99.1%) exact matches, in which:
7957 unique CDR3
13 unique J



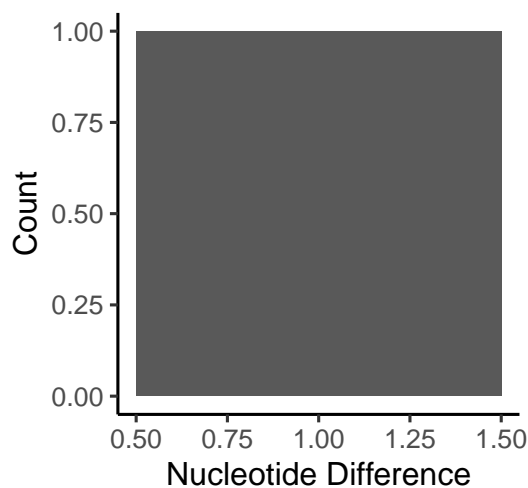
TRBV18*ap01

4520 sequences assigned
4494 (99.4%) exact matches, in which:
4464 unique CDR3
13 unique J



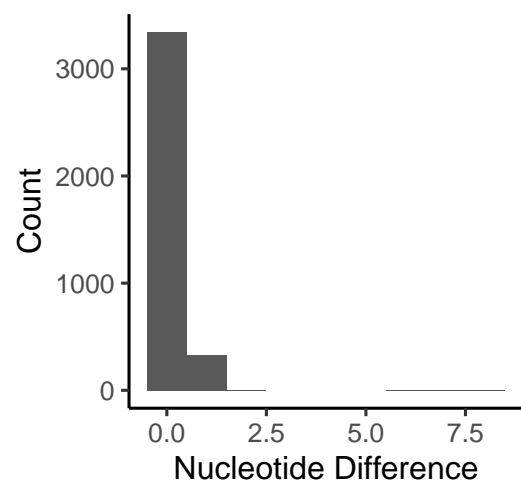
TRBV26*ap01

1 sequences assigned
No exact matches.



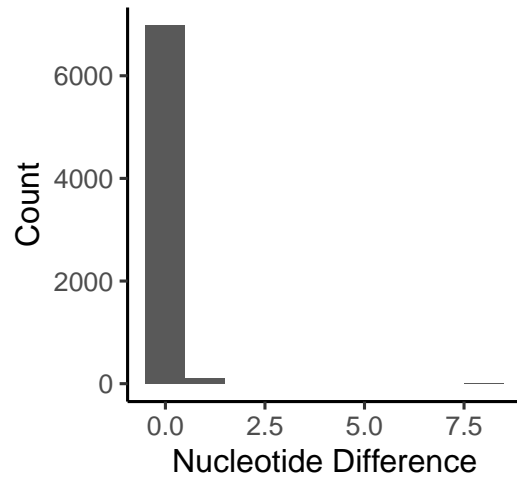
TRBV30*ap01

3679 sequences assigned
3343 (90.9%) exact matches, in which:
3290 unique CDR3
13 unique J



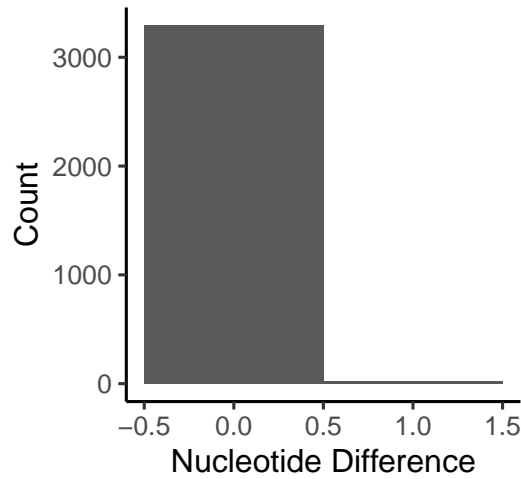
TRBV9*ap01

7084 sequences assigned
6981 (98.5%) exact matches, in which:
6900 unique CDR3
13 unique J



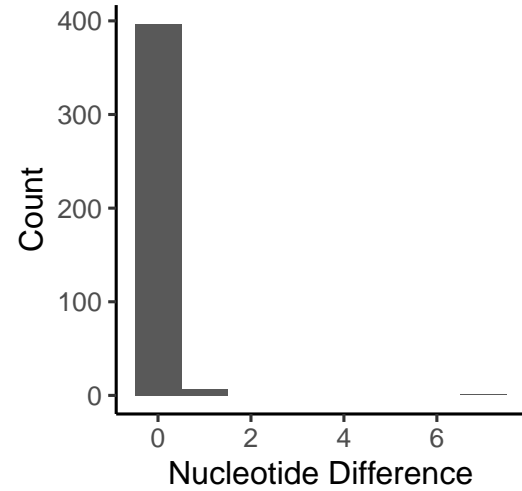
TRBV11-2*ap01

3314 sequences assigned
3293 (99.4%) exact matches, in which:
3246 unique CDR3
13 unique J



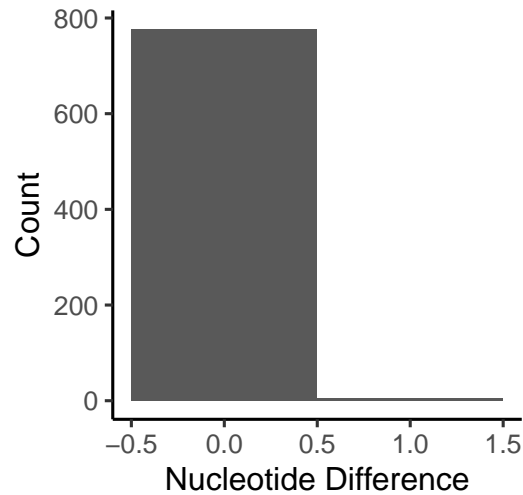
TRBV12-2*ap01

405 sequences assigned
397 (98%) exact matches, in which:
392 unique CDR3
13 unique J



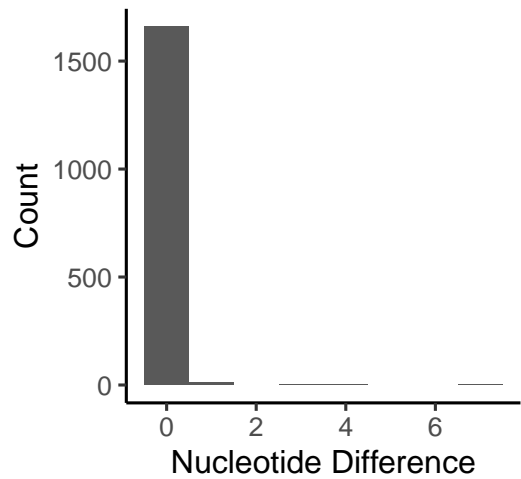
TRBV11-1*ap01

783 sequences assigned
777 (99.2%) exact matches, in which:
765 unique CDR3
13 unique J



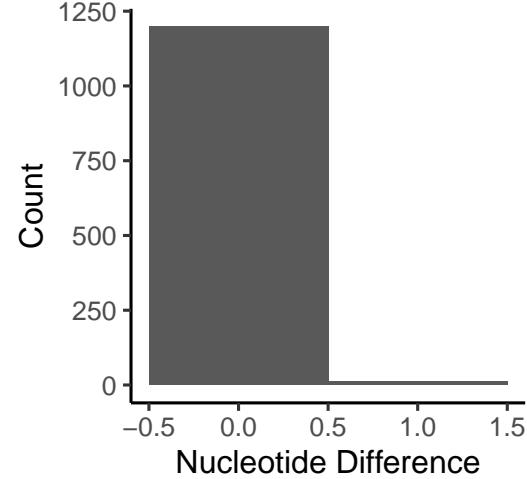
TRBV11-3*ap01

1674 sequences assigned
1659 (99.1%) exact matches, in which:
1642 unique CDR3
13 unique J



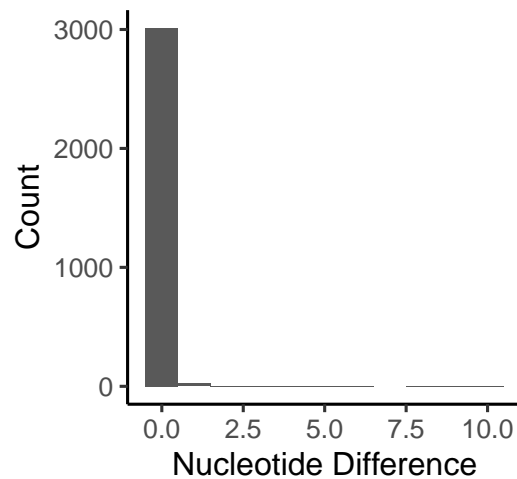
TRBV12-5*ap01

1209 sequences assigned
1198 (99.1%) exact matches, in which:
1181 unique CDR3
13 unique J



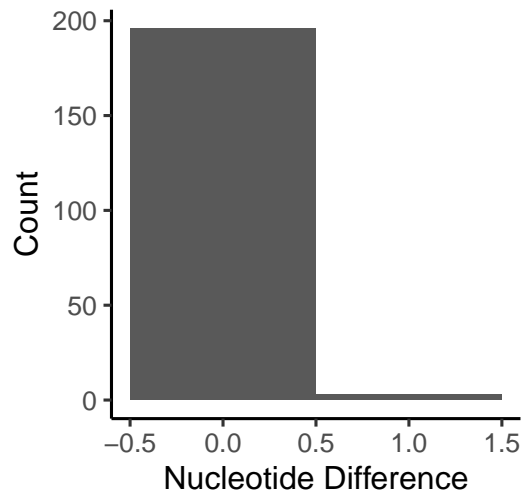
TRBV21-1*ap01

3054 sequences assigned
3012 (98.6%) exact matches, in which:
2983 unique CDR3
13 unique J



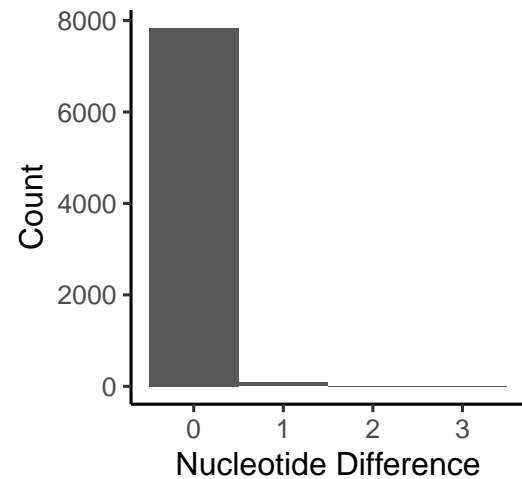
TRBV12-1*ap01

199 sequences assigned
196 (98.5%) exact matches, in which:
192 unique CDR3
13 unique J



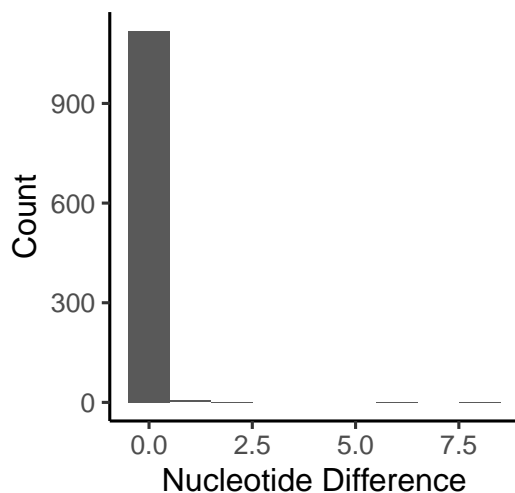
TRBV12-34*ap01

7928 sequences assigned
7836 (98.8%) exact matches, in which:
7706 unique CDR3
13 unique J



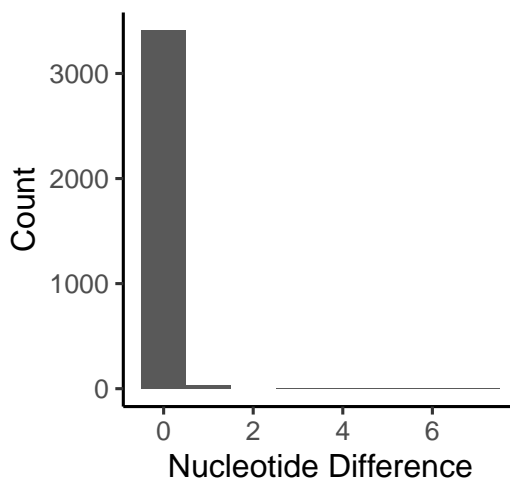
TRBV23-1*ap01

1129 sequences assigned
1119 (99.1%) exact matches, in which:
1105 unique CDR3
13 unique J



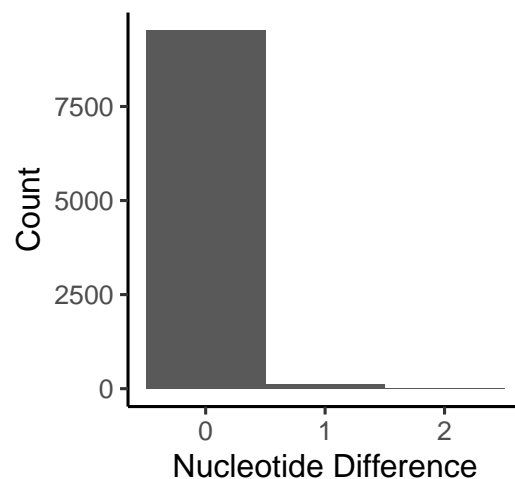
TRBV24-1*ap01

3451 sequences assigned
3410 (98.8%) exact matches, in which:
3348 unique CDR3
13 unique J



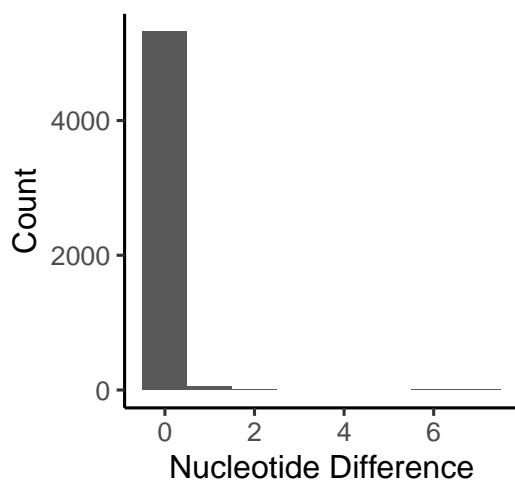
TRBV5-1*ap01

9655 sequences assigned
9522 (98.6%) exact matches, in which:
9331 unique CDR3
13 unique J



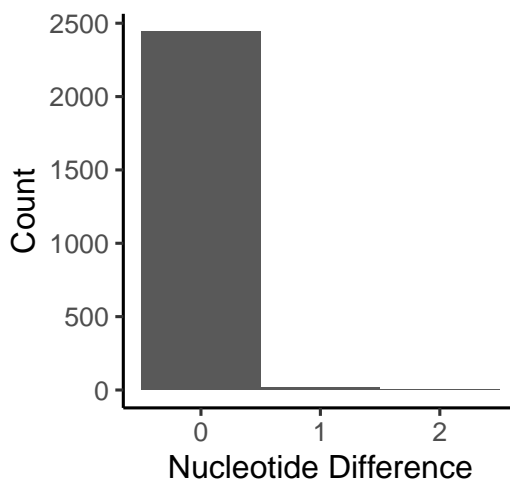
TRBV3-12*ap01

5368 sequences assigned
5318 (99.1%) exact matches, in which:
5282 unique CDR3
13 unique J



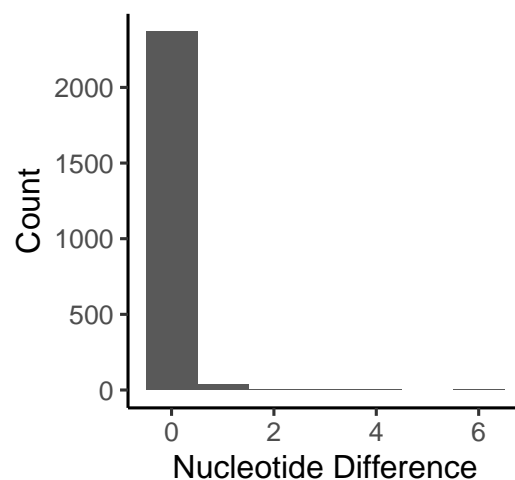
TRBV4-2*ap01

2463 sequences assigned
2442 (99.1%) exact matches, in which:
2395 unique CDR3
13 unique J



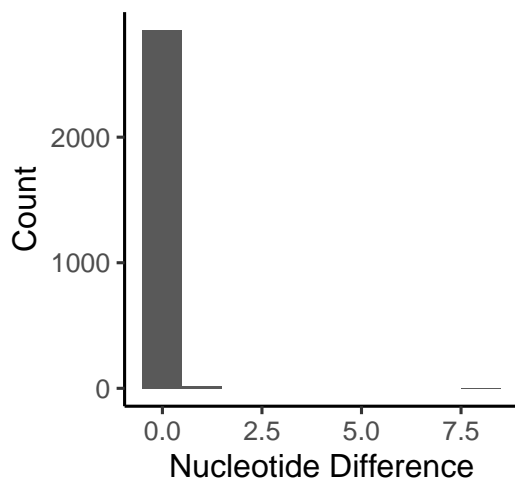
TRBV25-1*ap01

2410 sequences assigned
2368 (98.3%) exact matches, in which:
2307 unique CDR3
13 unique J



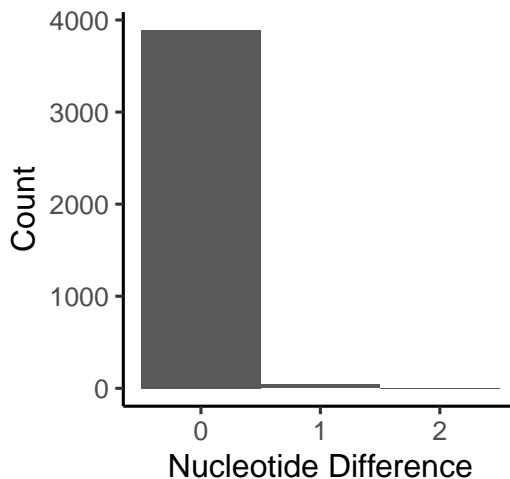
TRBV4-1*ap01

2874 sequences assigned
2853 (99.3%) exact matches, in which:
2796 unique CDR3
13 unique J



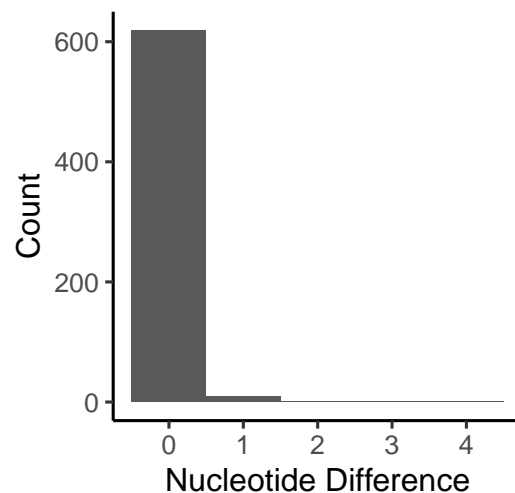
TRBV4-3*ap01

3933 sequences assigned
3891 (98.9%) exact matches, in which:
3818 unique CDR3
13 unique J



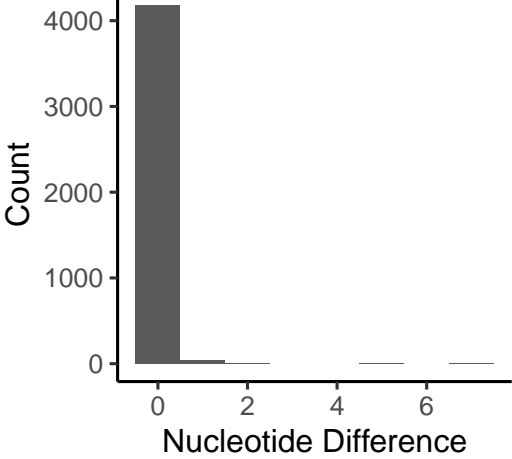
TRBV5-3*ap01

632 sequences assigned
619 (97.9%) exact matches, in which:
608 unique CDR3
13 unique J



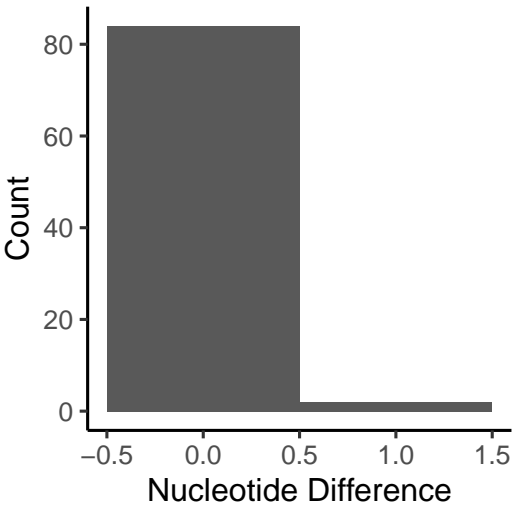
TRBV5-4*ap01

4227 sequences assigned
4178 (98.8%) exact matches, in which:
4091 unique CDR3
13 unique J



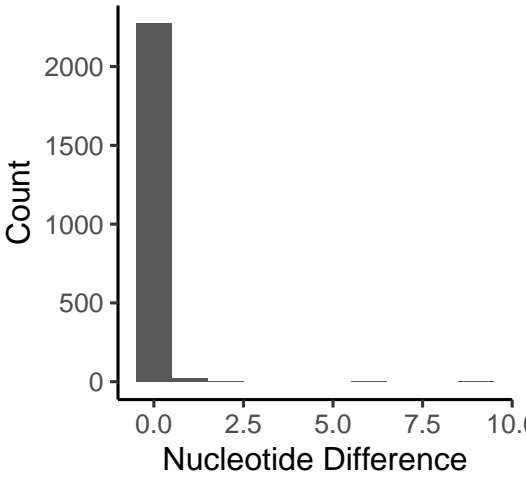
TRBV5-7*ap01

86 sequences assigned
84 (97.7%) exact matches, in which:
84 unique CDR3
13 unique J



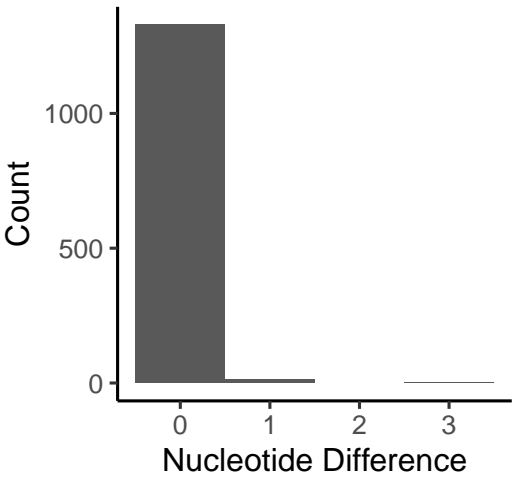
TRBV6-4*ap01

2305 sequences assigned
2274 (98.7%) exact matches, in which:
2243 unique CDR3
13 unique J



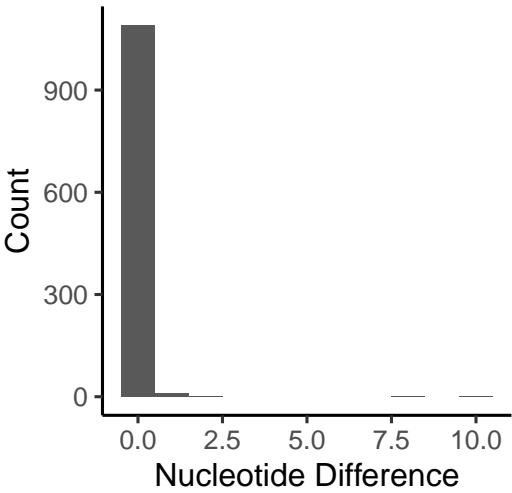
TRBV5-5*ap01

1343 sequences assigned
1329 (99%) exact matches, in which:
1326 unique CDR3
13 unique J



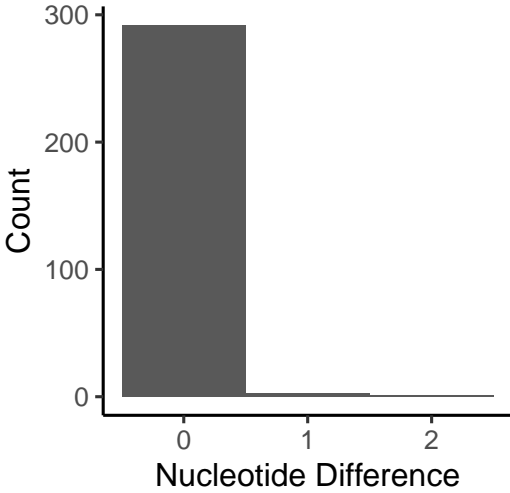
TRBV5-8*ap01

1104 sequences assigned
1091 (98.8%) exact matches, in which:
1076 unique CDR3
13 unique J



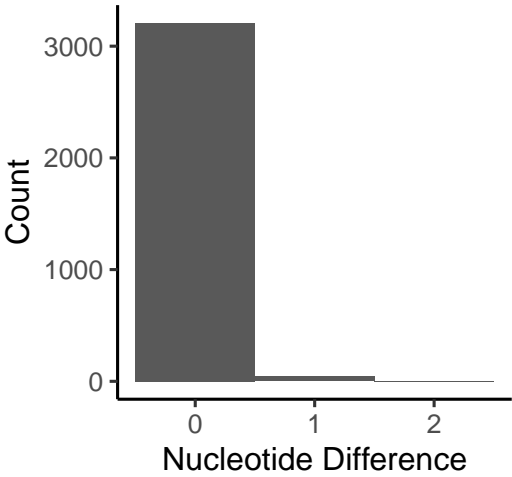
TRBV6-7*ap01

296 sequences assigned
292 (98.6%) exact matches, in which:
281 unique CDR3
13 unique J



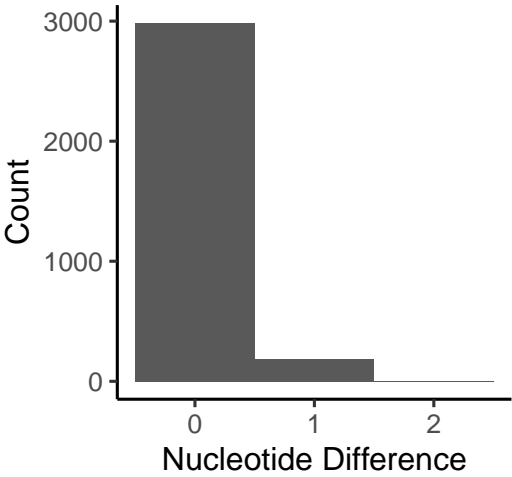
TRBV5-6*ap01

3250 sequences assigned
3207 (98.7%) exact matches, in which:
3131 unique CDR3
13 unique J



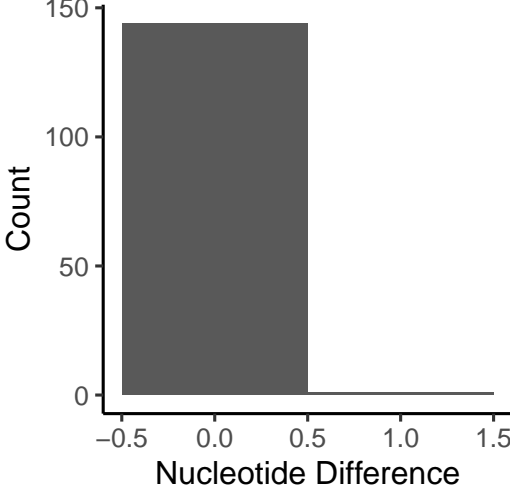
TRBV6-1*ap01

3169 sequences assigned
2984 (94.2%) exact matches, in which:
2929 unique CDR3
13 unique J



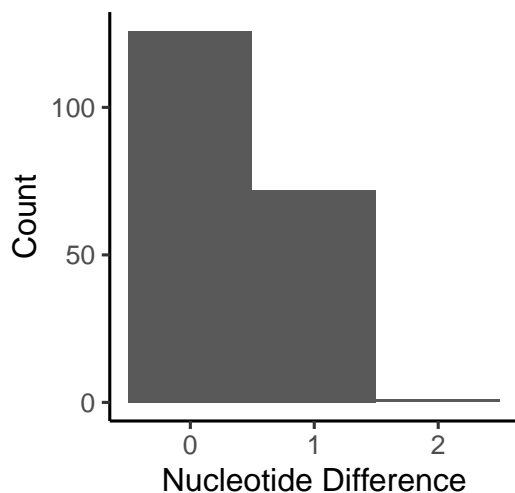
TRBV6-8*ap01

145 sequences assigned
144 (99.3%) exact matches, in which:
141 unique CDR3
13 unique J



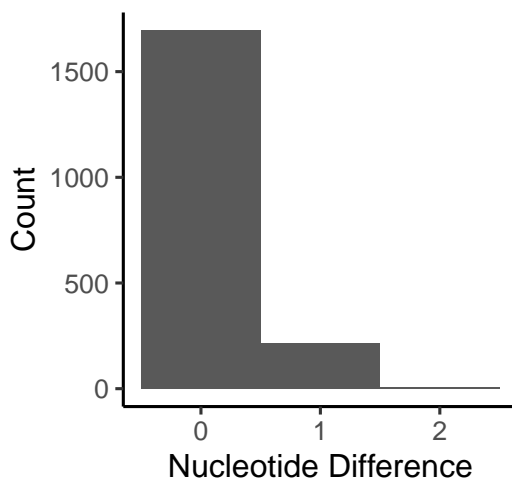
TRBV6-9*ap01

199 sequences assigned
126 (63.3%) exact matches, in which:
124 unique CDR3
12 unique J



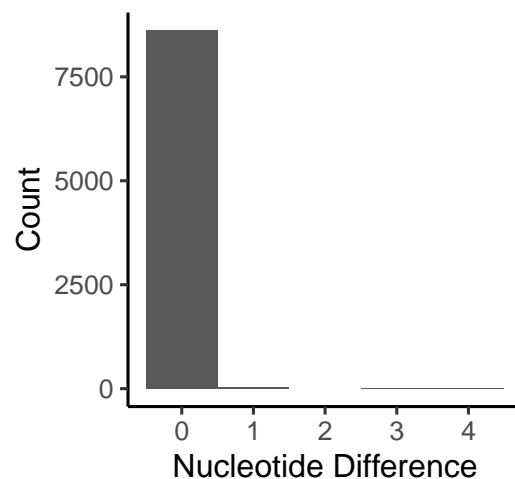
TRBV6-56*ap02

1917 sequences assigned
1695 (88.4%) exact matches, in which:
1662 unique CDR3
13 unique J



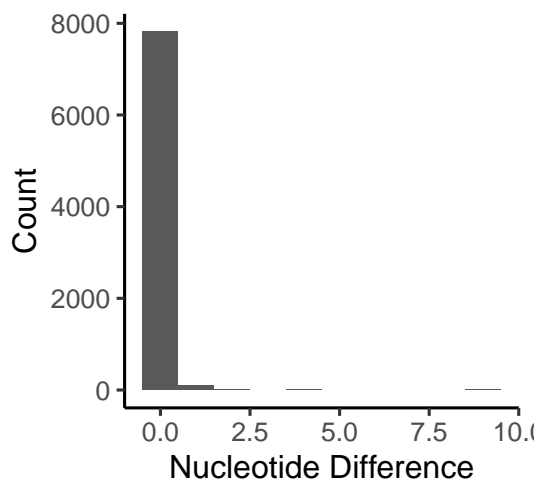
TRBV7-2*ap01

8666 sequences assigned
8616 (99.4%) exact matches, in which:
8516 unique CDR3
13 unique J



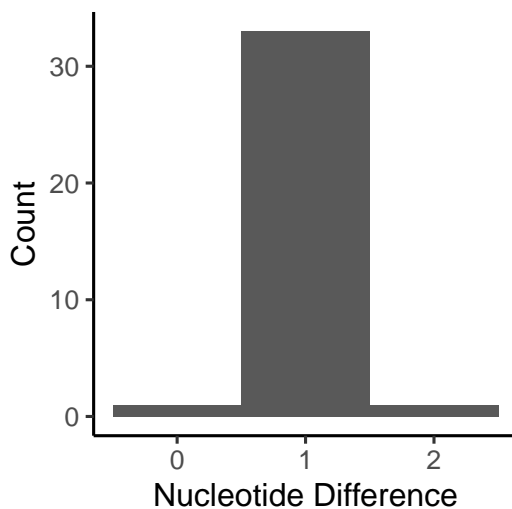
TRBV6-23*ap01

7917 sequences assigned
7816 (98.7%) exact matches, in which:
7601 unique CDR3
13 unique J



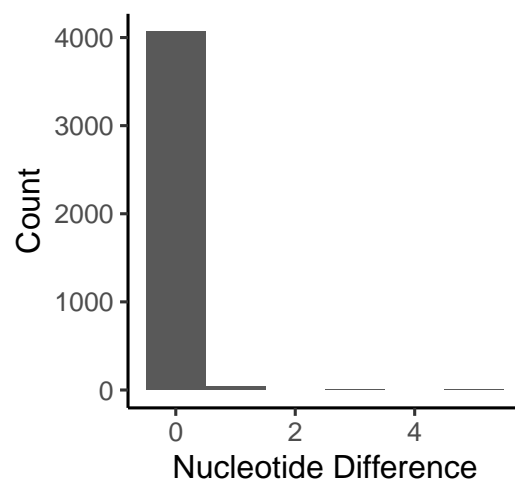
TRBV7-1*ap01_T296C

35 sequences assigned
1 (2.9%) exact matches, in which:
1 unique CDR3
1 unique J



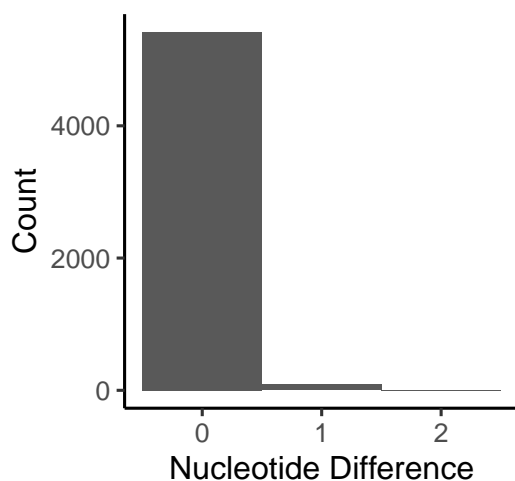
TRBV7-3*ap01

4104 sequences assigned
4066 (99.1%) exact matches, in which:
4025 unique CDR3
13 unique J



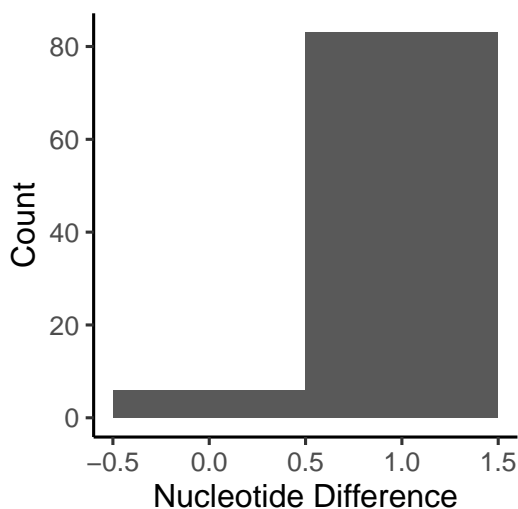
TRBV6-56*ap01

5507 sequences assigned
5418 (98.4%) exact matches, in which:
5290 unique CDR3
13 unique J



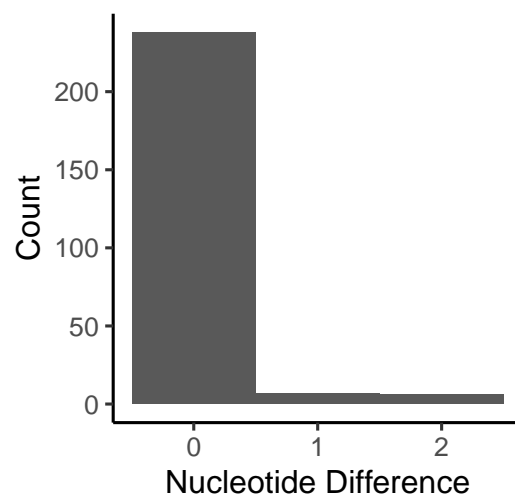
TRBV7-1*ap01_T296C_C

89 sequences assigned
6 (6.7%) exact matches, in which:
6 unique CDR3
2 unique J



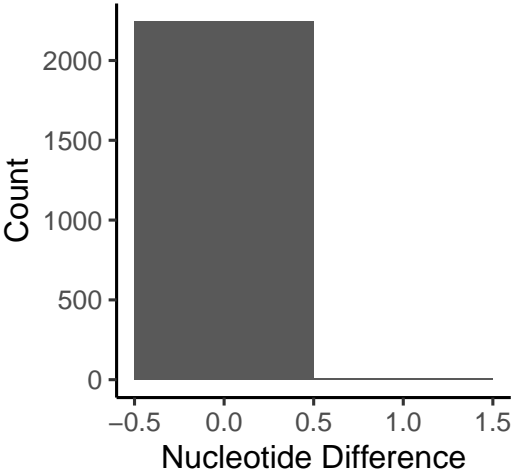
TRBV7-4*ap01

251 sequences assigned
238 (94.8%) exact matches, in which:
236 unique CDR3
13 unique J



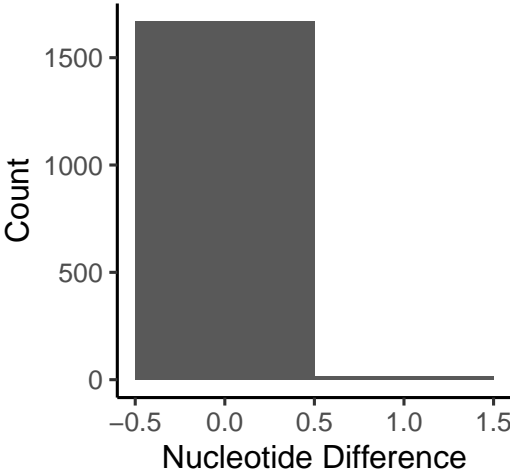
TRBV7-6*ap01

2255 sequences assigned
2245 (99.6%) exact matches, in which:
2210 unique CDR3
13 unique J



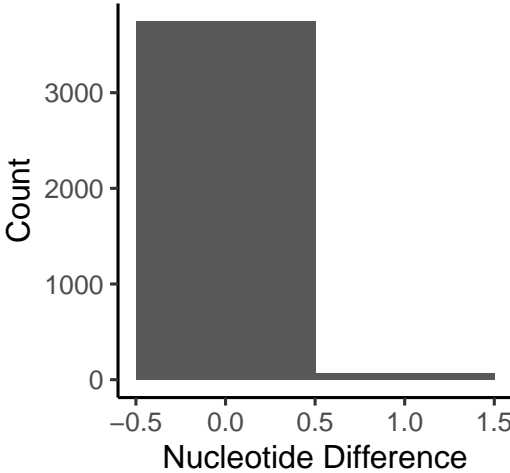
TRBV7-8*ap01

1683 sequences assigned
1669 (99.2%) exact matches, in which:
1638 unique CDR3
13 unique J



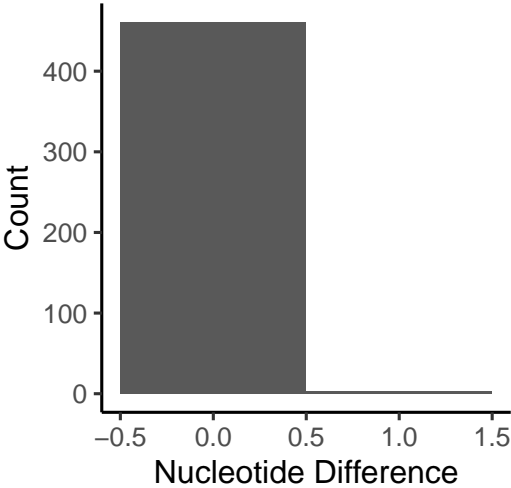
TRBV29-1*ap01

3810 sequences assigned
3745 (98.3%) exact matches, in which:
3666 unique CDR3
13 unique J



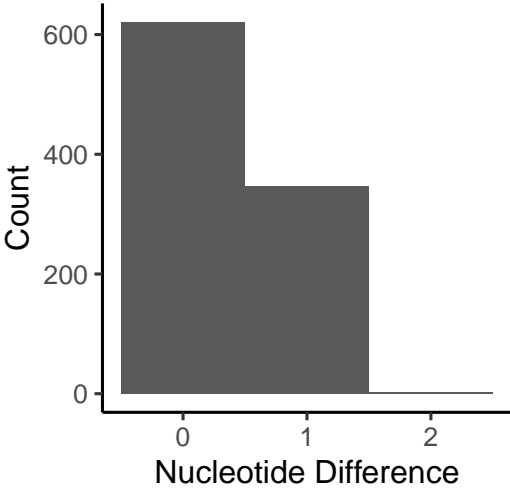
TRBV7-7*ap01

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



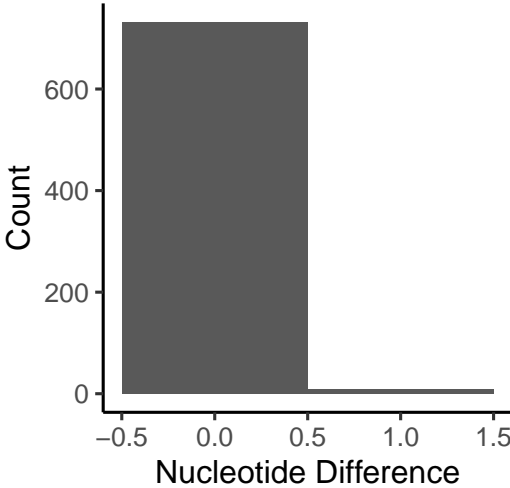
TRBV7-8*ap03

969 sequences assigned
621 (64.1%) exact matches, in which:
612 unique CDR3
13 unique J



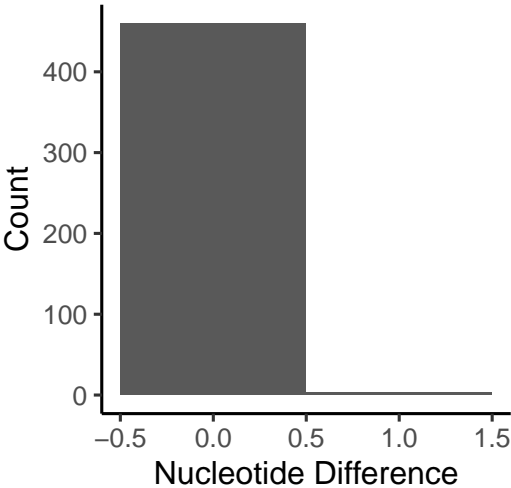
TRBV29-1*ap02

741 sequences assigned
732 (98.8%) exact matches, in which:
721 unique CDR3
13 unique J



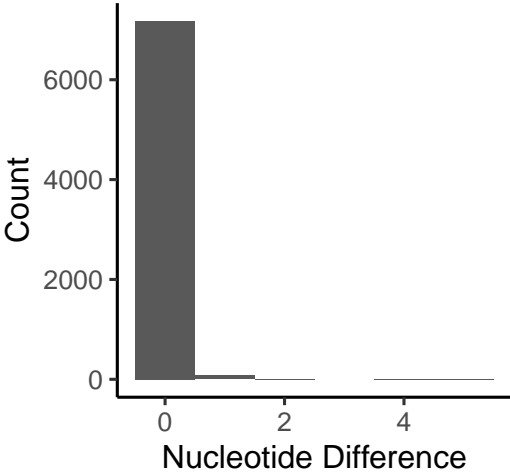
TRBV7-7*ap01_C315T

463 sequences assigned
460 (99.4%) exact matches, in which:
453 unique CDR3
13 unique J

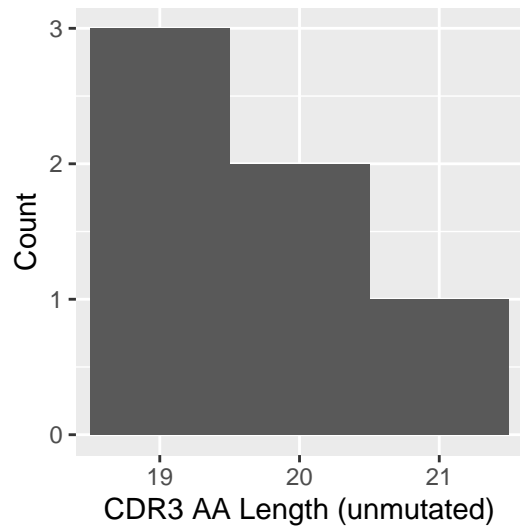


TRBV7-9*ap01

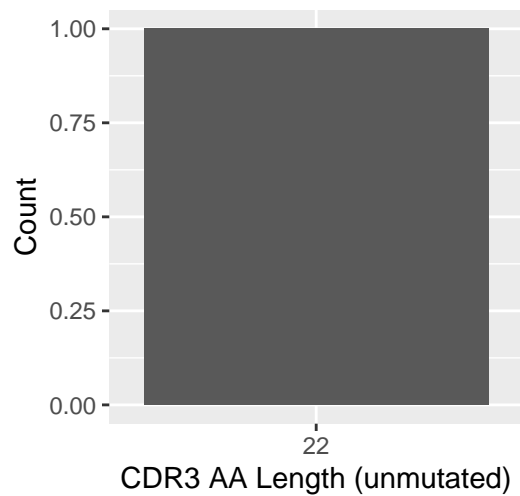
7260 sequences assigned
7175 (98.8%) exact matches, in which:
7080 unique CDR3
13 unique J



TRBV7-1*ap01_T296C_C314T



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

