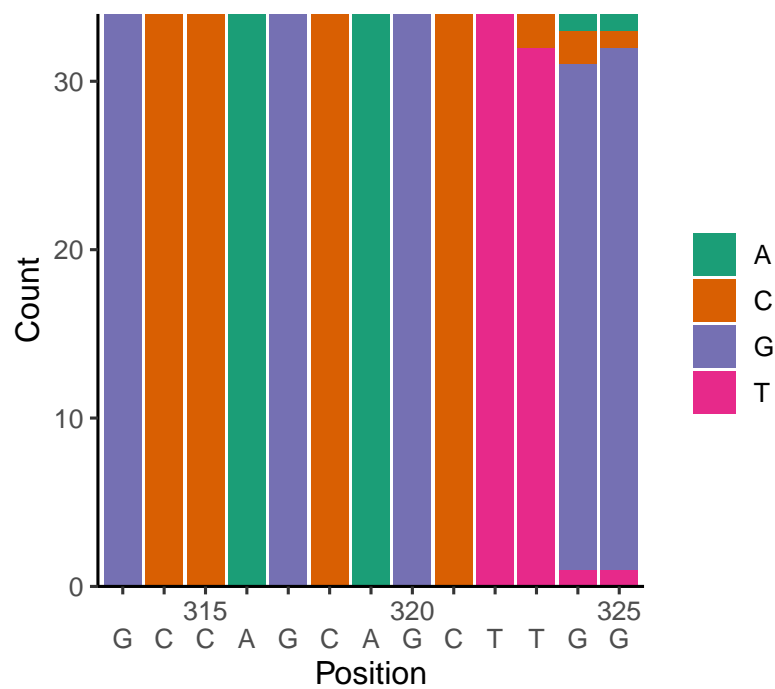
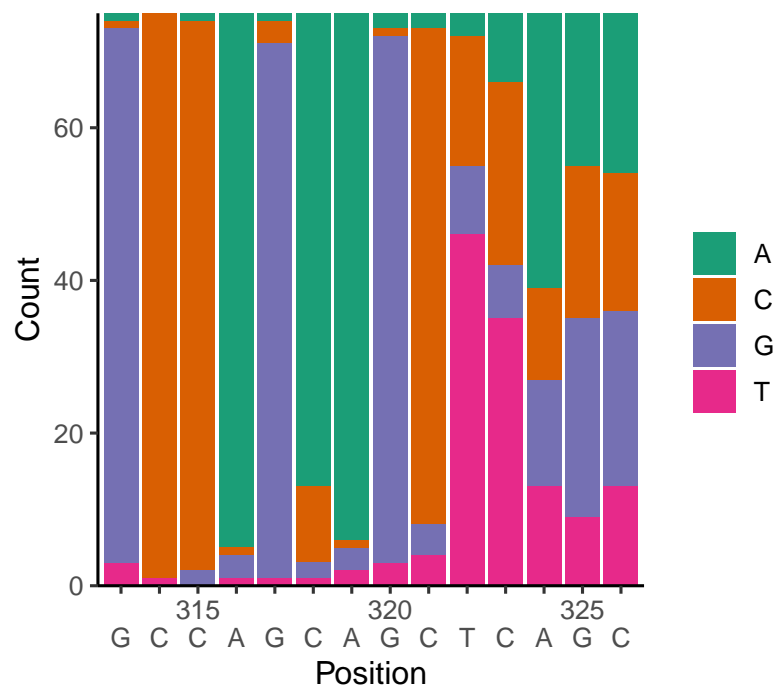


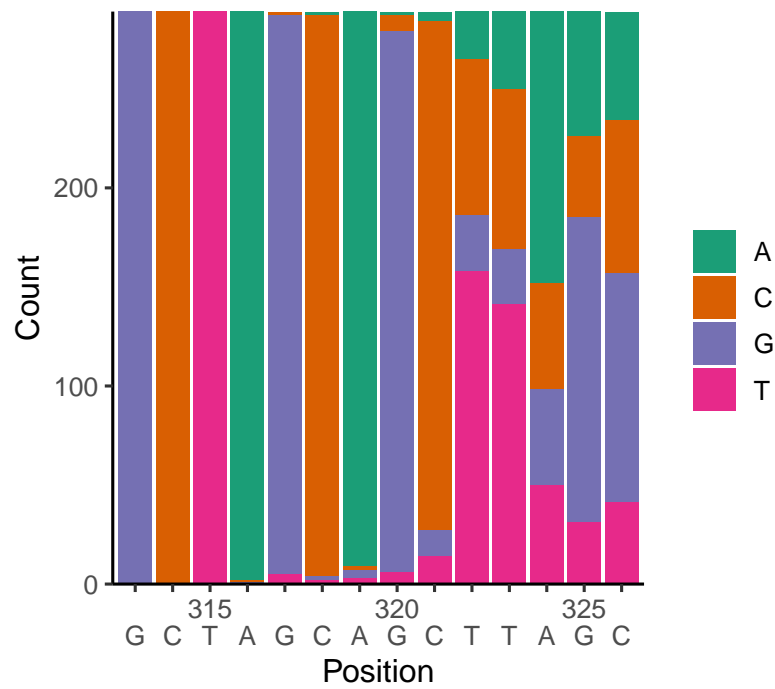
Gene TRBV5-7*ap01_G290A_G291A



Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-7*ap01_C315T



Gene TRBV5-7*ap01_G290A_G291A



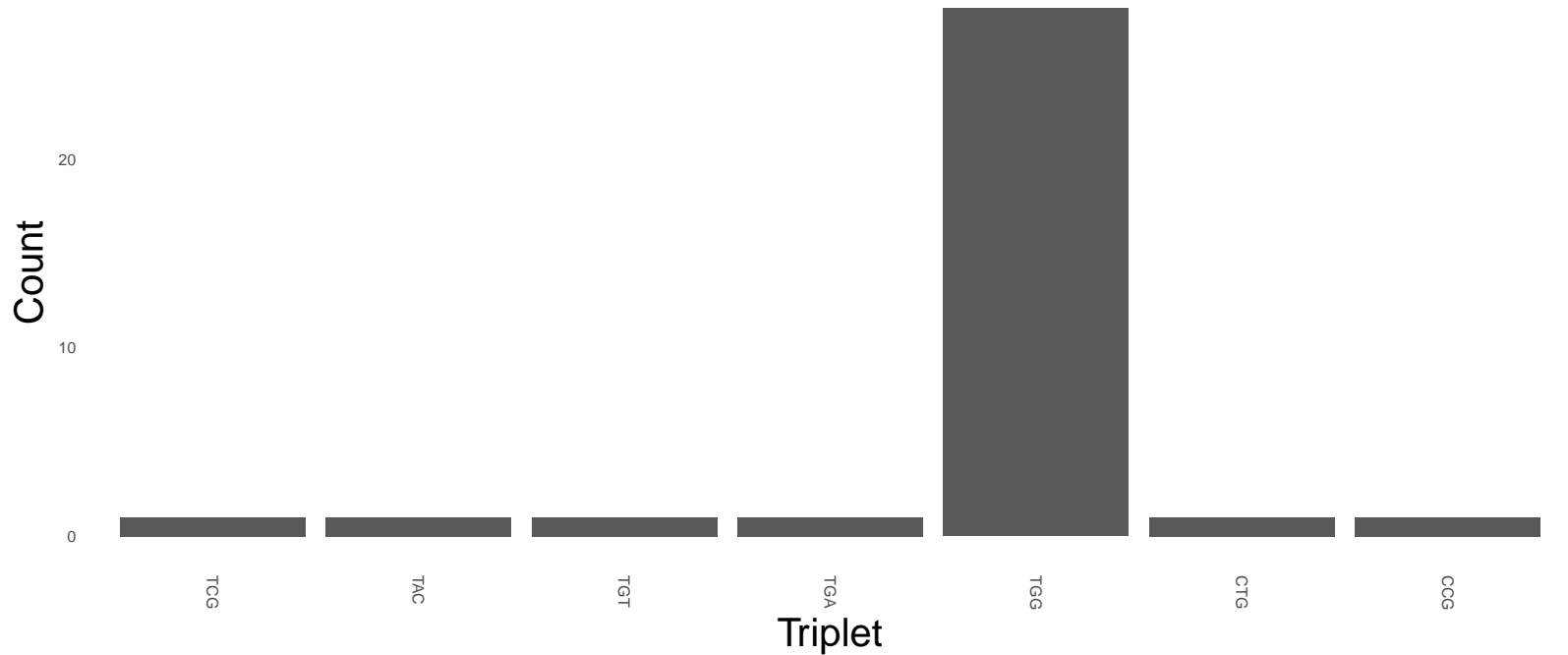
Gene TRBV7-1*ap01_G291C_T296C



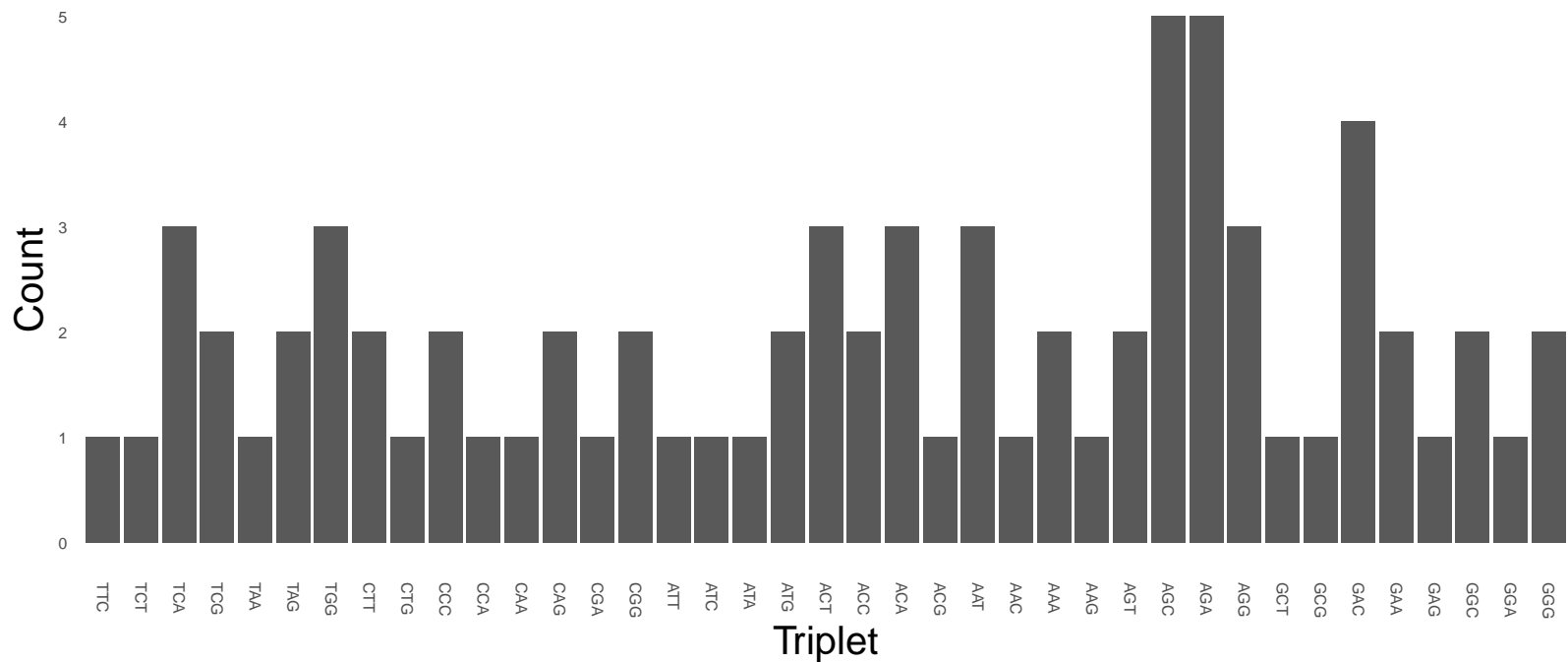
Gene TRBV7-7*ap01_C315T



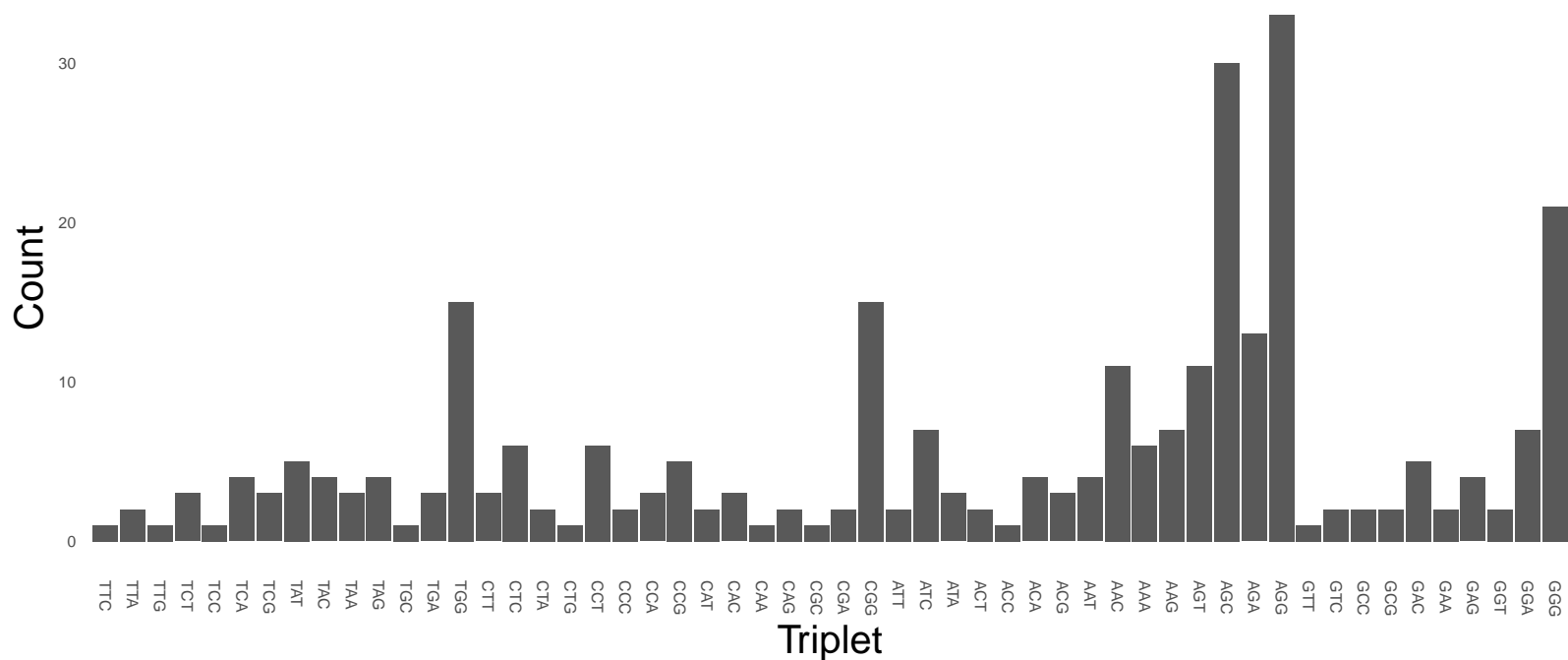
TRBV5-7*ap01_G290A_G291A- Final 3 nucleotides as a triplet



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

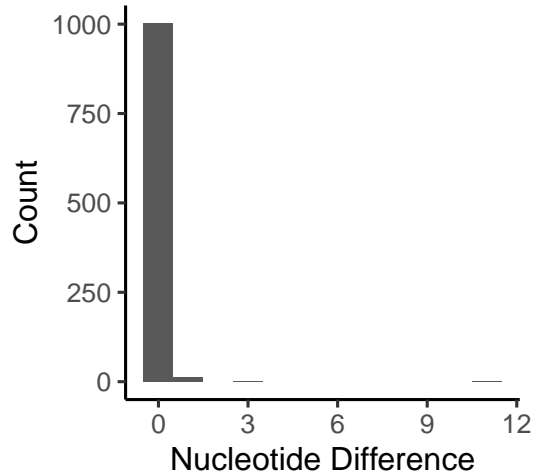


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



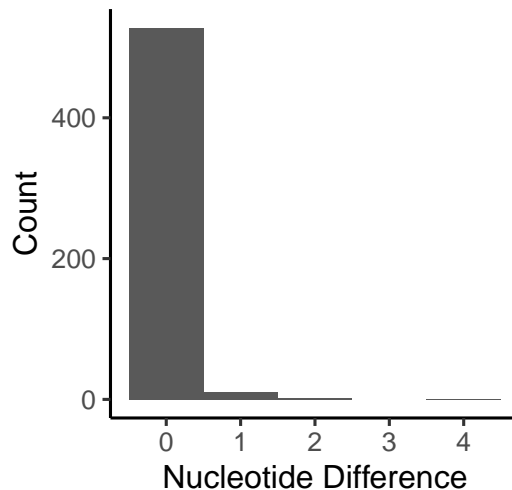
TRBV10-1*ap01

1017 sequences assigned
1002 (98.5%) exact matches, in which:
975 unique CDR3
13 unique J



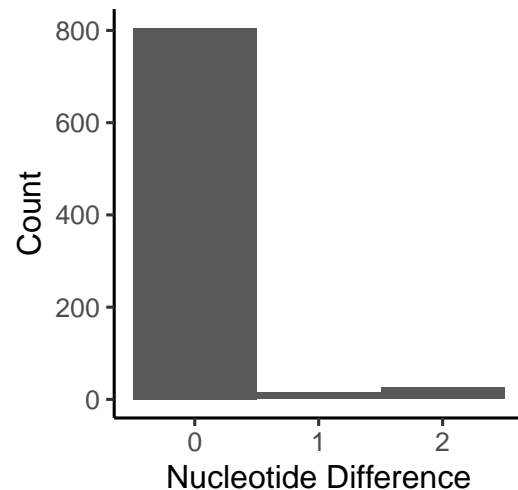
TRBV10-2*ap01

542 sequences assigned
528 (97.4%) exact matches, in which:
515 unique CDR3
13 unique J



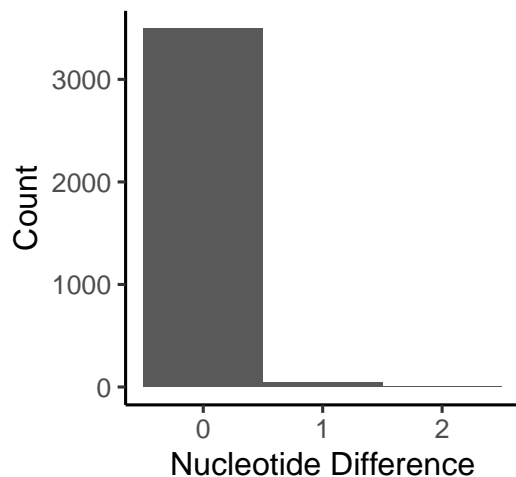
TRBV13*ap01

847 sequences assigned
806 (95.2%) exact matches, in which:
786 unique CDR3
13 unique J



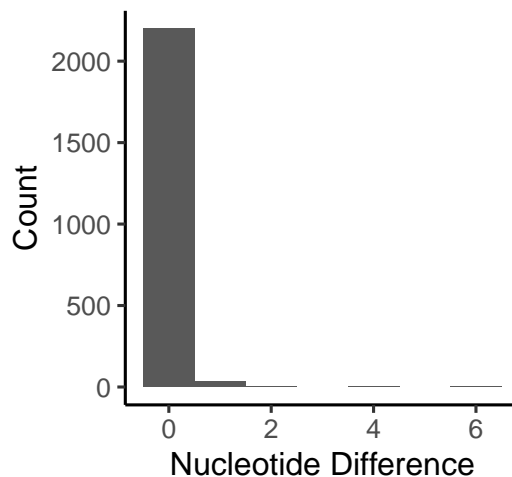
TRBV20-1*ap01

3544 sequences assigned
3494 (98.6%) exact matches, in which:
3443 unique CDR3
13 unique J



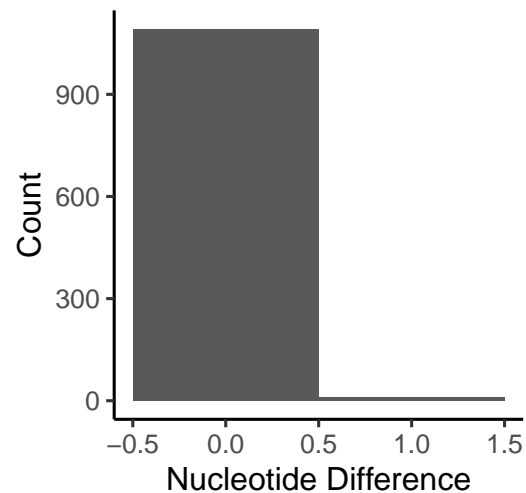
TRBV10-3*ap01

2238 sequences assigned
2199 (98.3%) exact matches, in which:
2163 unique CDR3
13 unique J



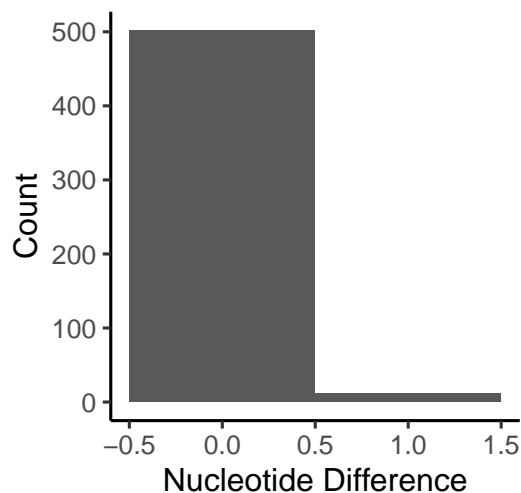
TRBV14*ap01

1102 sequences assigned
1092 (99.1%) exact matches, in which:
1072 unique CDR3
13 unique J



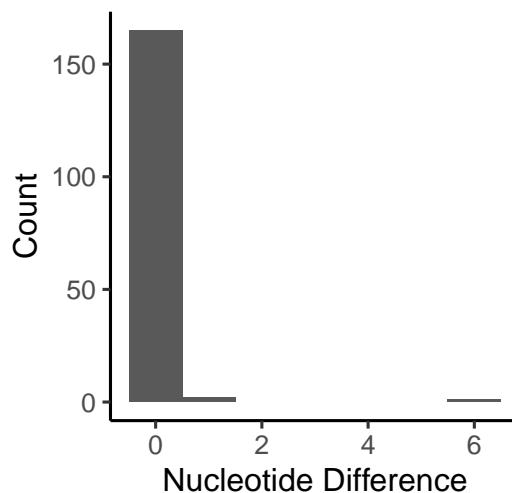
TRBV20-1*ap02

513 sequences assigned
502 (97.9%) exact matches, in which:
495 unique CDR3
13 unique J



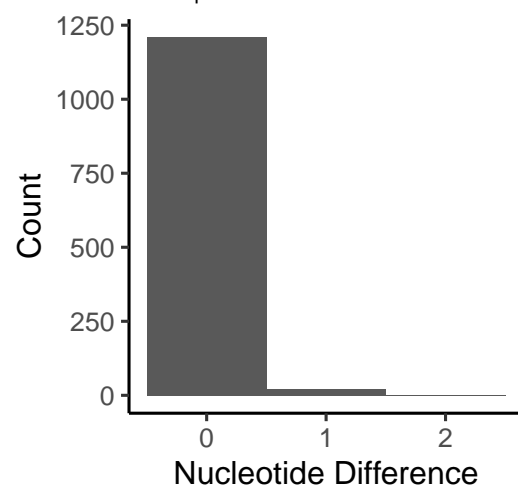
TRBV1*ap01

168 sequences assigned
165 (98.2%) exact matches, in which:
164 unique CDR3
13 unique J



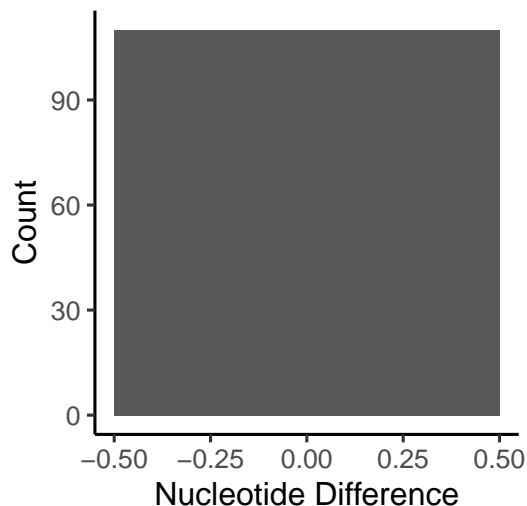
TRBV15*ap02

1232 sequences assigned
1210 (98.2%) exact matches, in which:
1182 unique CDR3
13 unique J



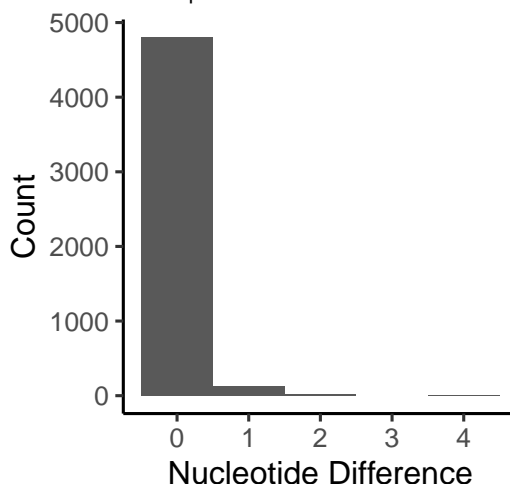
TRBV16*ap01

110 sequences assigned
110 (100%) exact matches, in which:
110 unique CDR3
12 unique J



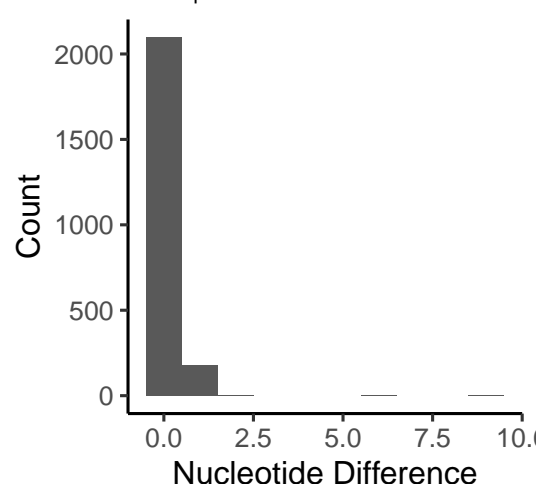
TRBV2*ap01

4949 sequences assigned
4801 (97%) exact matches, in which:
4728 unique CDR3
13 unique J



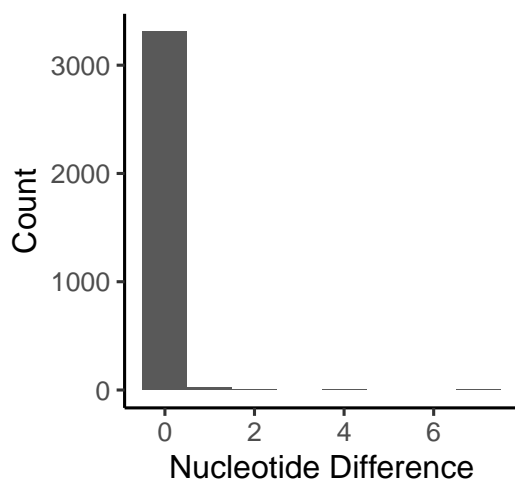
TRBV30*ap01

2284 sequences assigned
2097 (91.8%) exact matches, in which:
2070 unique CDR3
13 unique J



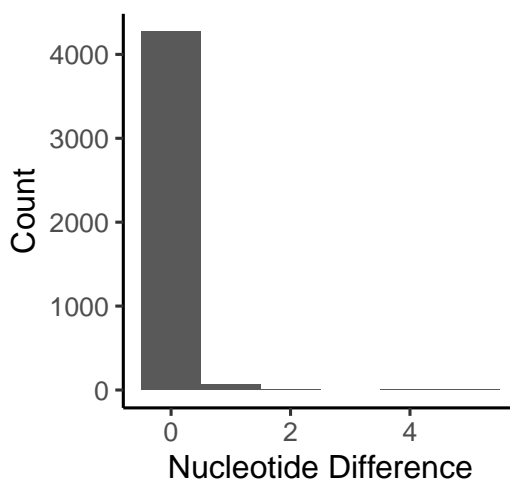
TRBV18*ap01

3338 sequences assigned
3309 (99.1%) exact matches, in which:
3274 unique CDR3
13 unique J



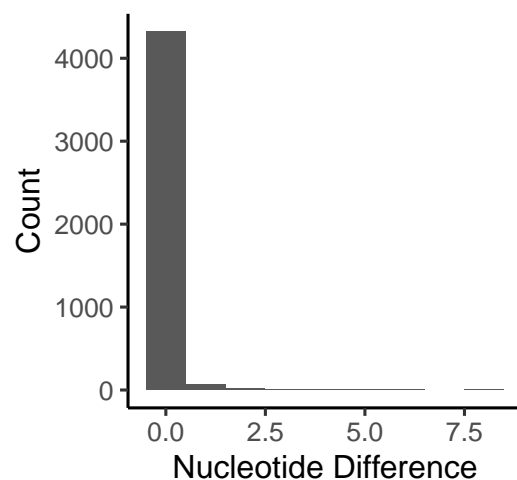
TRBV27*ap01

4347 sequences assigned
4270 (98.2%) exact matches, in which:
4192 unique CDR3
13 unique J



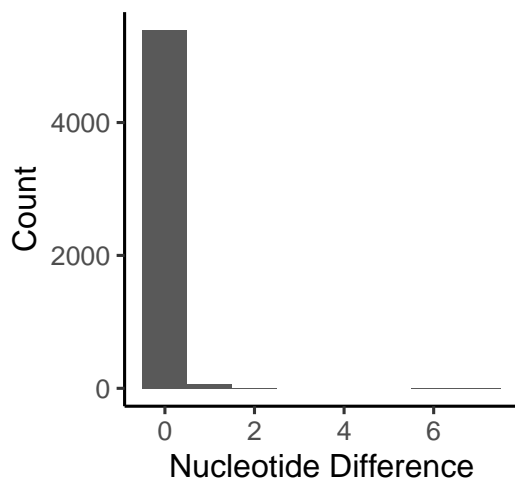
TRBV9*ap01

4410 sequences assigned
4320 (98%) exact matches, in which:
4235 unique CDR3
13 unique J



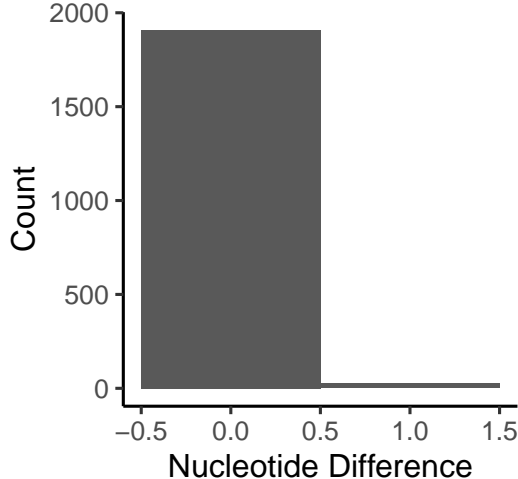
TRBV19*ap01

5471 sequences assigned
5392 (98.6%) exact matches, in which:
5341 unique CDR3
13 unique J



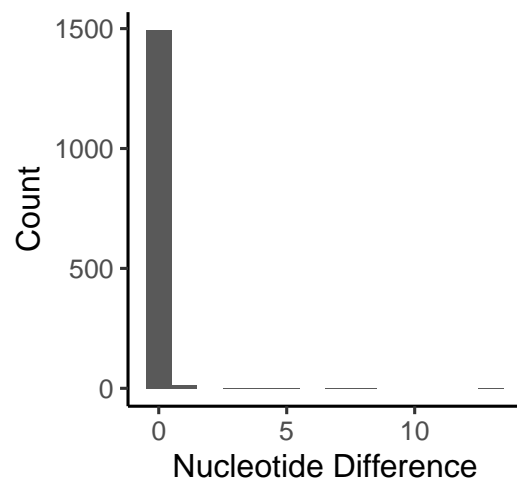
TRBV28*ap01

1933 sequences assigned
1908 (98.7%) exact matches, in which:
1867 unique CDR3
13 unique J



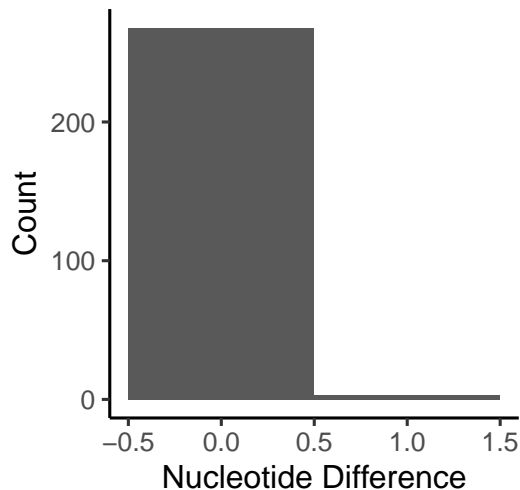
TRBV21-1*ap01

1517 sequences assigned
1494 (98.5%) exact matches, in which:
1470 unique CDR3
13 unique J



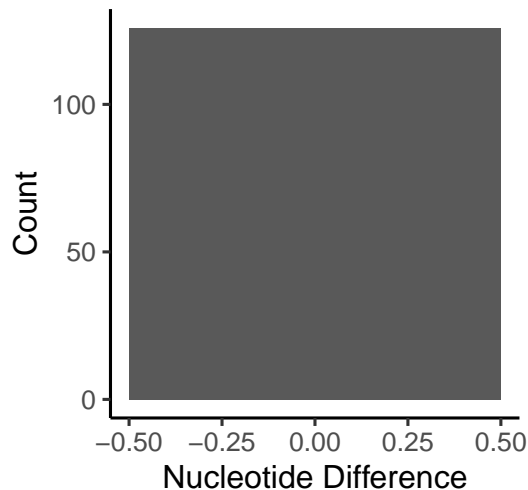
TRBV11-1*ap01

271 sequences assigned
268 (98.9%) exact matches, in which:
264 unique CDR3
13 unique J



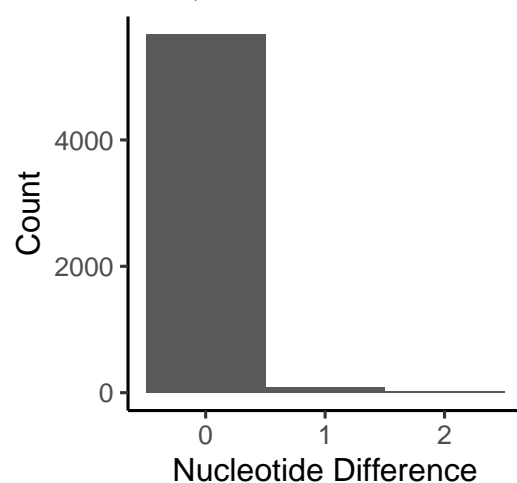
TRBV12-1*ap01

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



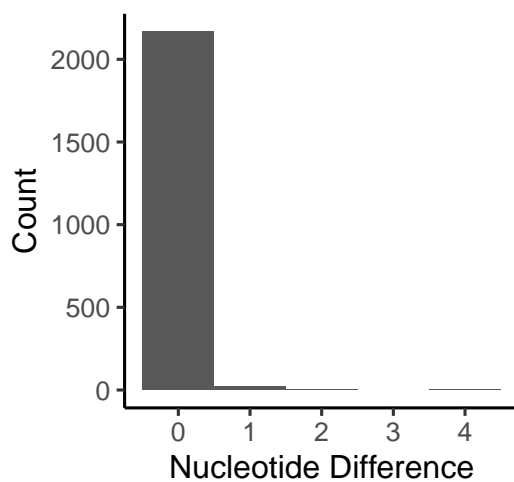
TRBV12-34*ap01

5780 sequences assigned
5670 (98.1%) exact matches, in which:
5576 unique CDR3
13 unique J



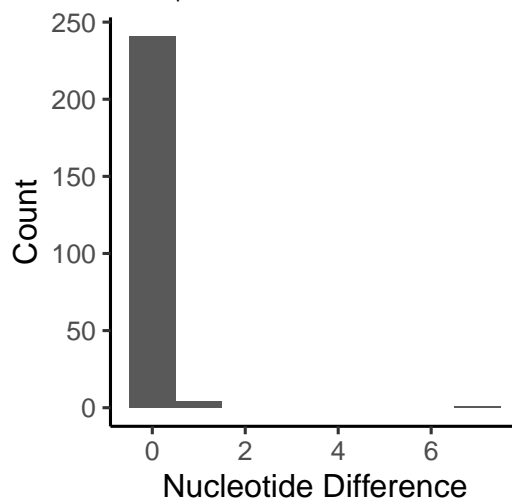
TRBV11-2*ap01

2192 sequences assigned
2167 (98.9%) exact matches, in which:
2130 unique CDR3
13 unique J



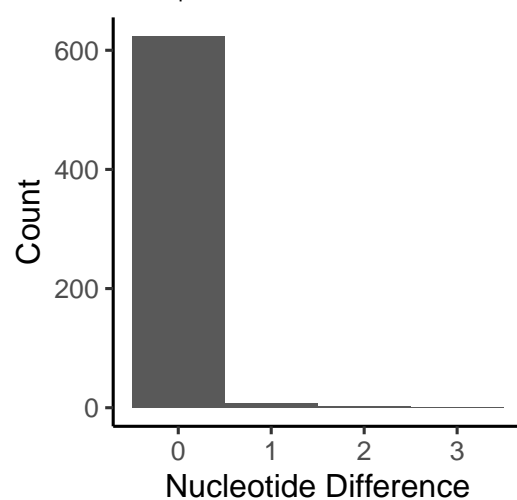
TRBV12-2*ap01

246 sequences assigned
241 (98%) exact matches, in which:
239 unique CDR3
13 unique J



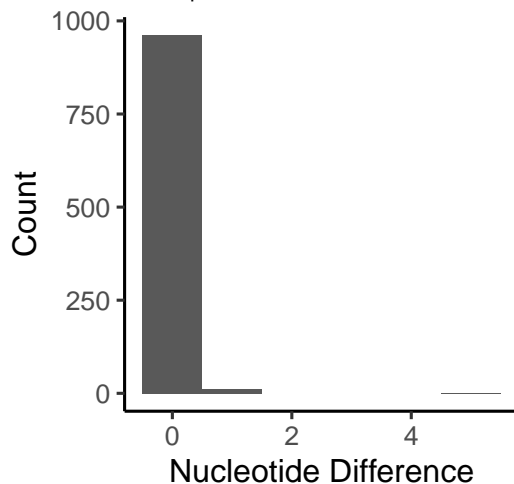
TRBV23-1*ap01

635 sequences assigned
624 (98.3%) exact matches, in which:
616 unique CDR3
13 unique J



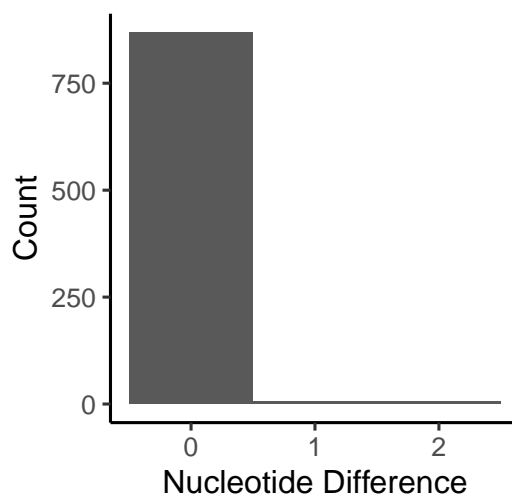
TRBV11-3*ap01

974 sequences assigned
962 (98.8%) exact matches, in which:
948 unique CDR3
13 unique J



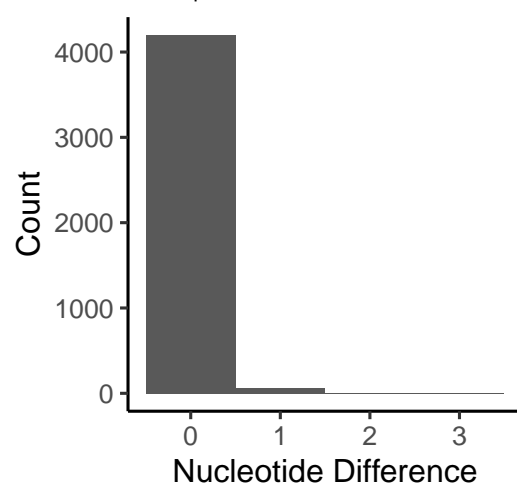
TRBV12-5*ap01

882 sequences assigned
869 (98.5%) exact matches, in which:
860 unique CDR3
13 unique J



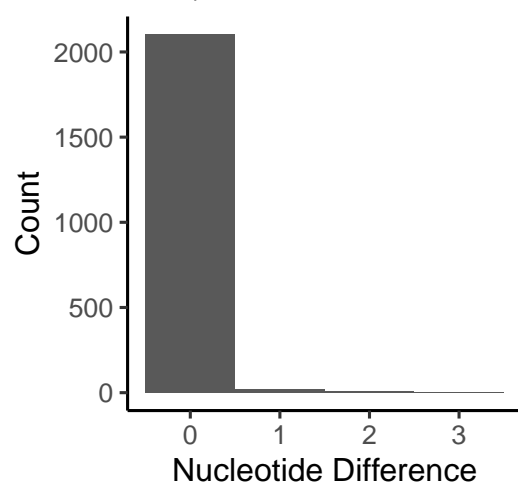
TRBV3-12*ap01

4269 sequences assigned
4199 (98.4%) exact matches, in which:
4127 unique CDR3
13 unique J



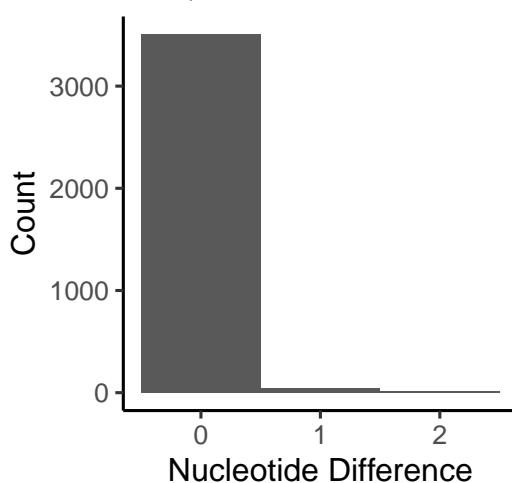
TRBV4-1*ap01

2130 sequences assigned
2103 (98.7%) exact matches, in which:
2071 unique CDR3
13 unique J



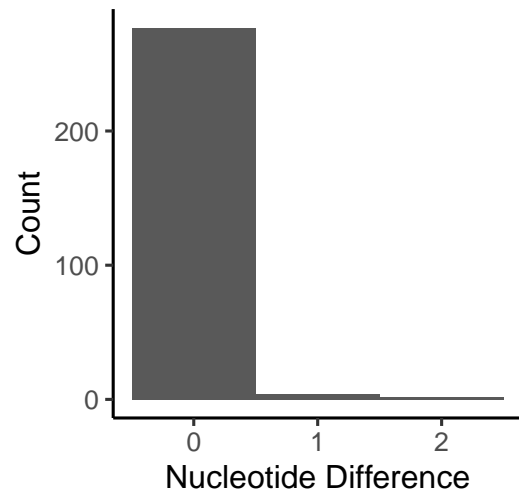
TRBV4-3*ap01

3567 sequences assigned
3506 (98.3%) exact matches, in which:
3445 unique CDR3
13 unique J



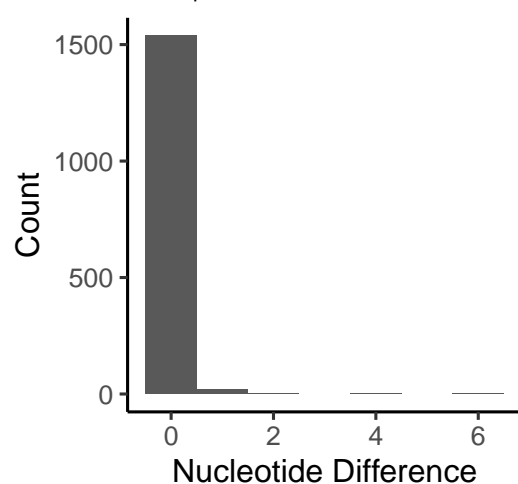
TRBV5-3*ap01

283 sequences assigned
277 (97.9%) exact matches, in which:
272 unique CDR3
13 unique J



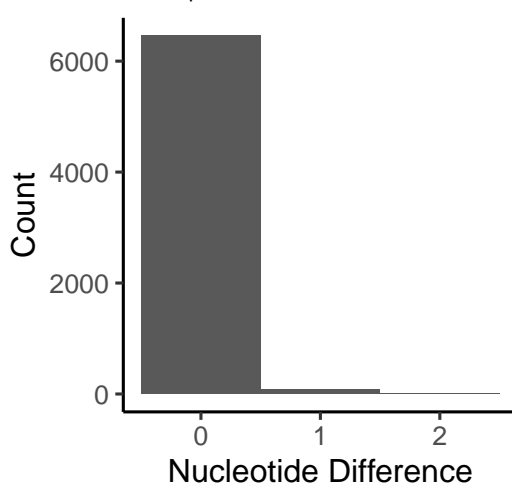
TRBV24-1*ap01

1562 sequences assigned
1538 (98.5%) exact matches, in which:
1522 unique CDR3
13 unique J



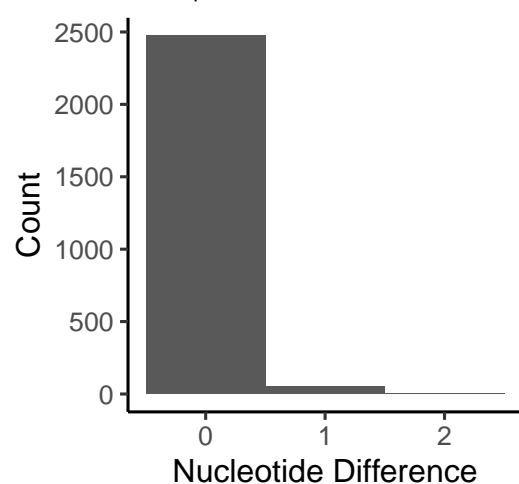
TRBV5-1*ap01

6549 sequences assigned
6458 (98.6%) exact matches, in which:
6305 unique CDR3
13 unique J



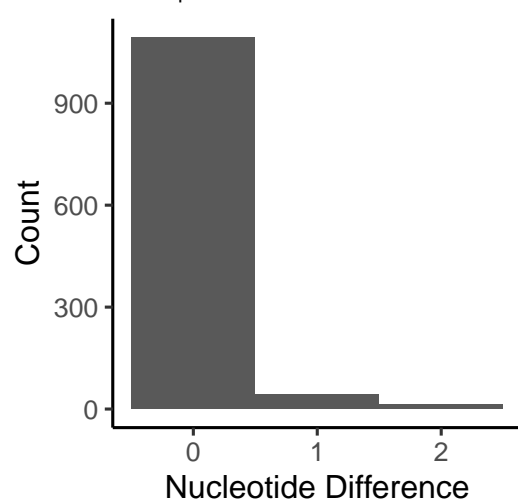
TRBV5-4*ap01

2531 sequences assigned
2474 (97.7%) exact matches, in which:
2427 unique CDR3
13 unique J



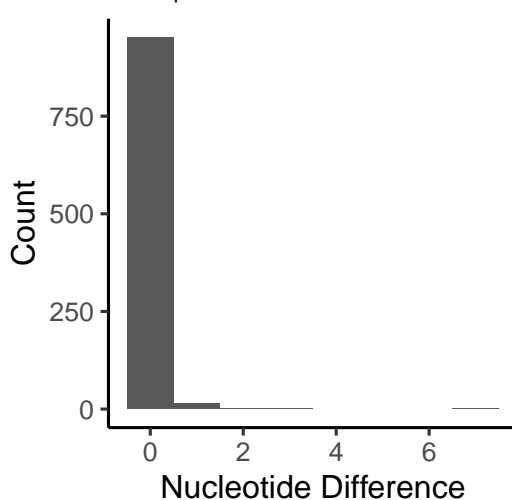
TRBV4-2*ap01

1150 sequences assigned
1094 (95.1%) exact matches, in which:
1066 unique CDR3
13 unique J



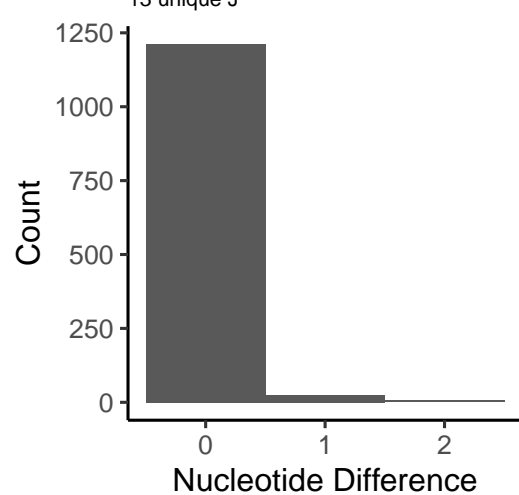
TRBV25-1*ap01

971 sequences assigned
952 (98%) exact matches, in which:
939 unique CDR3
13 unique J



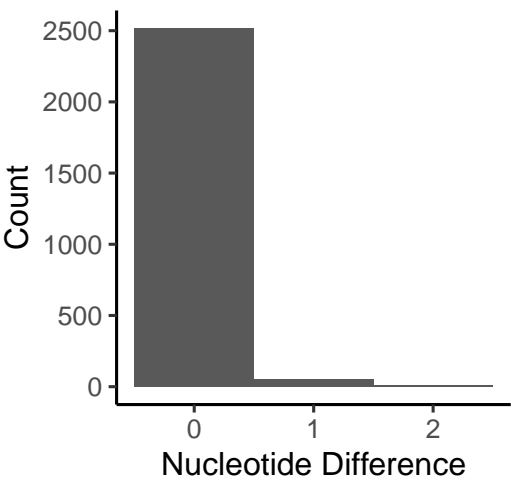
TRBV5-5*ap01

1243 sequences assigned
1212 (97.5%) exact matches, in which:
1191 unique CDR3
13 unique J



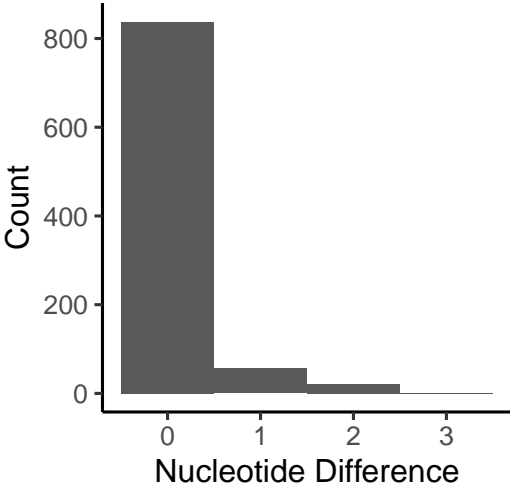
TRBV5-6*ap01

2577 sequences assigned
2516 (97.6%) exact matches, in which:
2448 unique CDR3
13 unique J



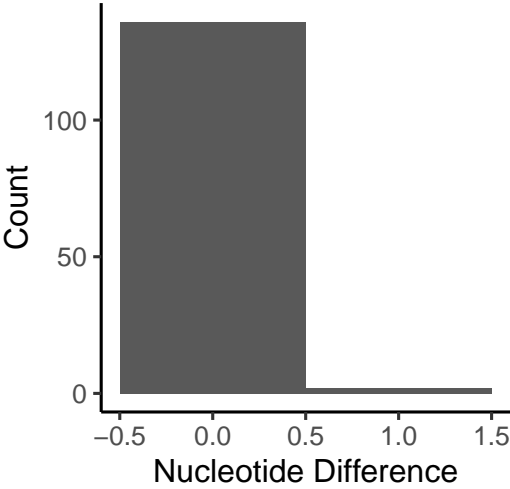
TRBV5-8*ap01

916 sequences assigned
838 (91.5%) exact matches, in which:
824 unique CDR3
13 unique J



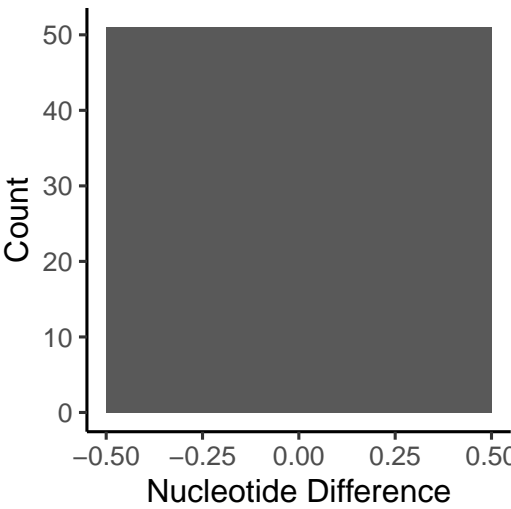
TRBV6-7*ap01

138 sequences assigned
136 (98.6%) exact matches, in which:
134 unique CDR3
13 unique J



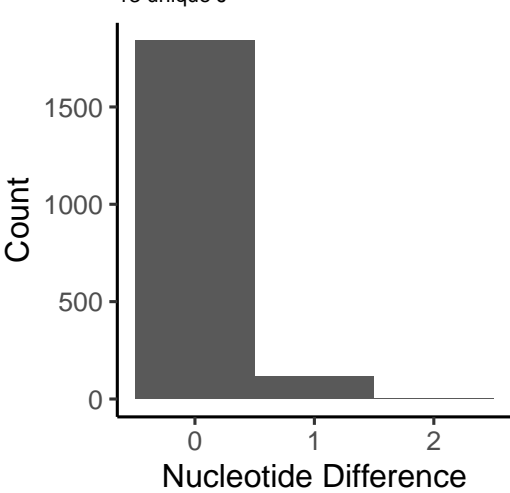
TRBV5-7*ap01

51 sequences assigned
51 (100%) exact matches, in which:
50 unique CDR3
11 unique J



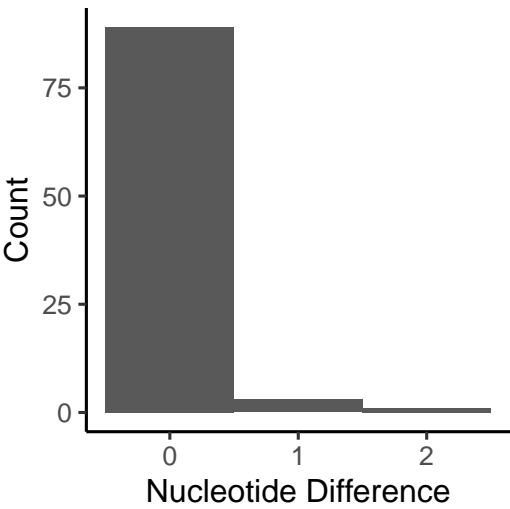
TRBV6-1*ap01

1959 sequences assigned
1840 (93.9%) exact matches, in which:
1800 unique CDR3
13 unique J



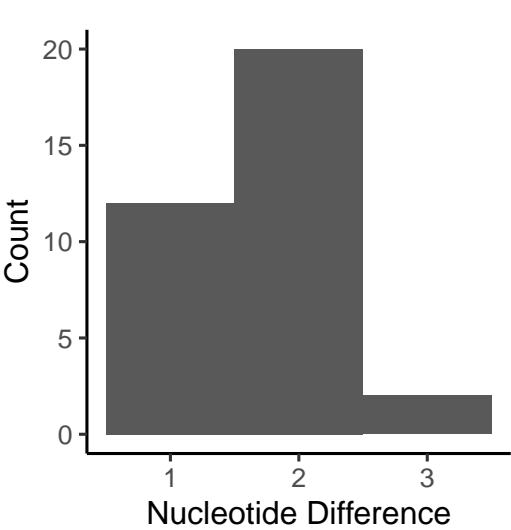
TRBV6-8*ap01

93 sequences assigned
89 (95.7%) exact matches, in which:
85 unique CDR3
12 unique J



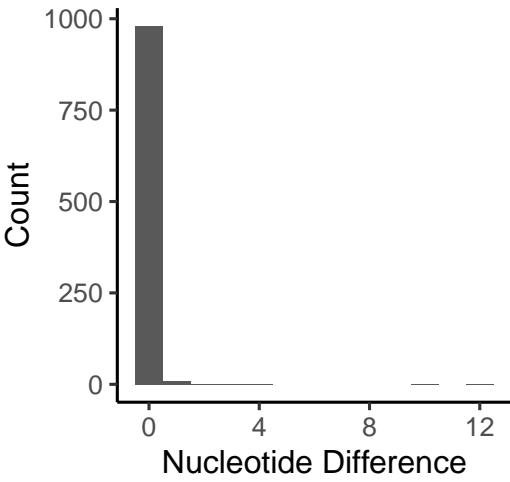
TRBV5-7*ap01_G290A_G

34 sequences assigned
No exact matches.



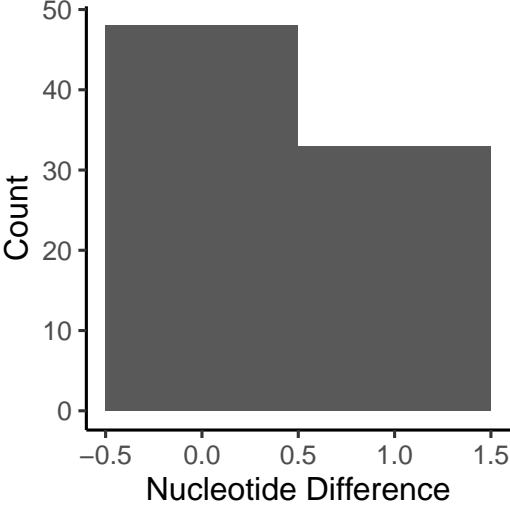
TRBV6-4*ap01

994 sequences assigned
980 (98.6%) exact matches, in which:
966 unique CDR3
13 unique J



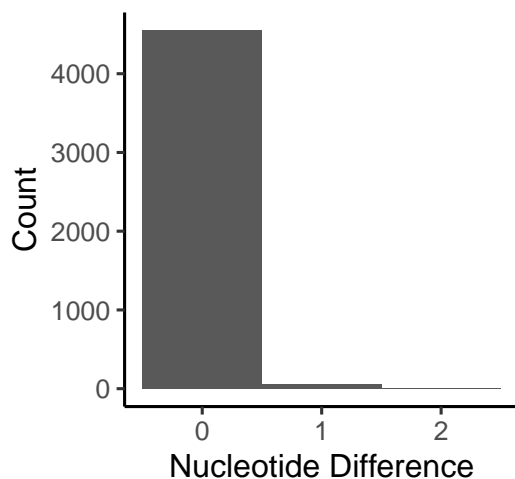
TRBV6-9*ap01

81 sequences assigned
48 (59.3%) exact matches, in which:
47 unique CDR3
10 unique J



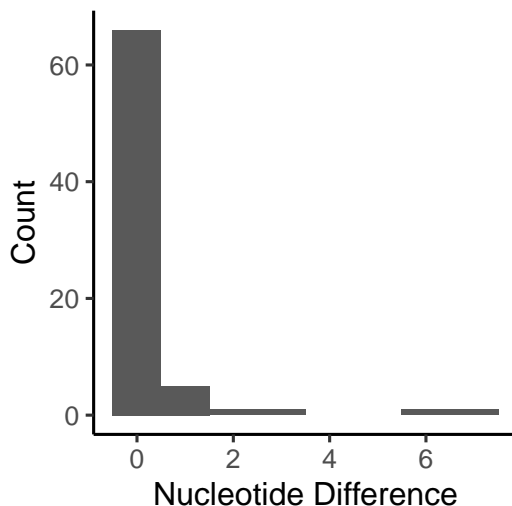
TRBV6-23*ap01

4604 sequences assigned
4550 (98.8%) exact matches, in which:
4460 unique CDR3
13 unique J



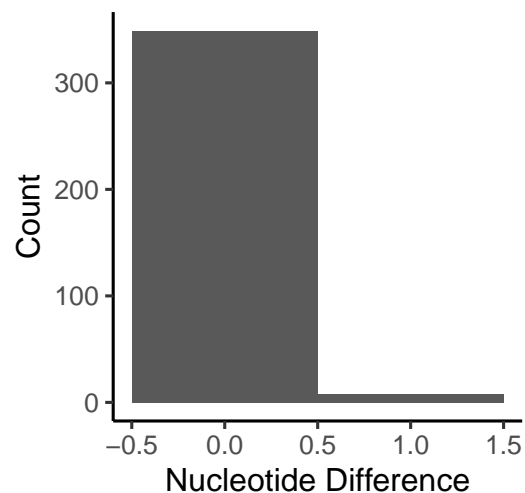
TRBV7-1*ap01_G291C_T

75 sequences assigned
66 (88%) exact matches, in which:
63 unique CDR3
13 unique J



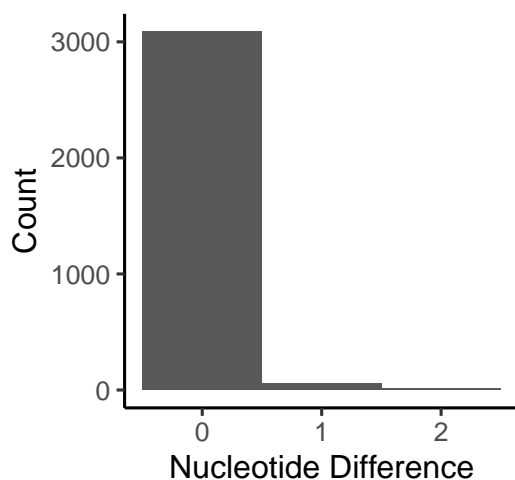
TRBV7-3*ap02

357 sequences assigned
349 (97.8%) exact matches, in which:
347 unique CDR3
13 unique J



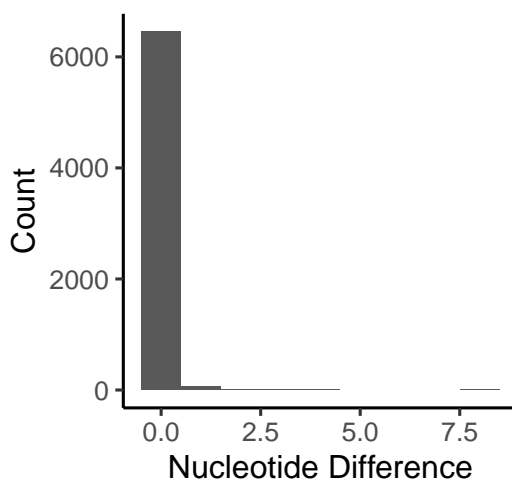
TRBV6-56*ap01

3152 sequences assigned
3087 (97.9%) exact matches, in which:
3021 unique CDR3
13 unique J



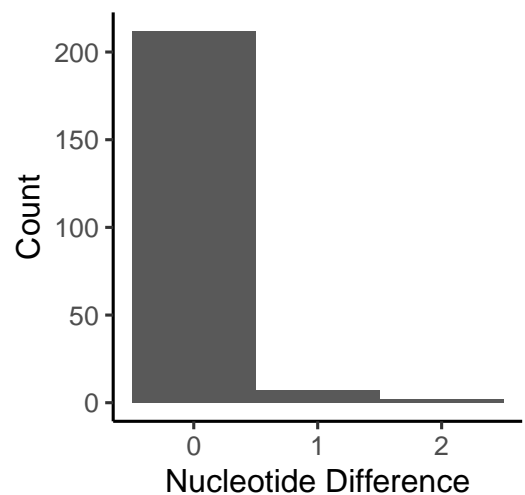
TRBV7-2*ap01

6521 sequences assigned
6453 (99%) exact matches, in which:
6337 unique CDR3
13 unique J



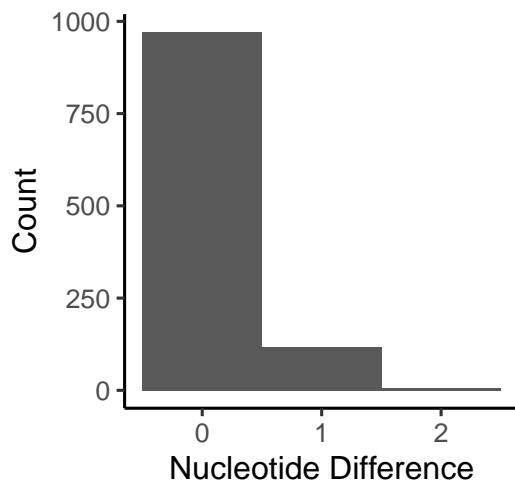
TRBV7-4*ap01

221 sequences assigned
212 (95.9%) exact matches, in which:
203 unique CDR3
13 unique J



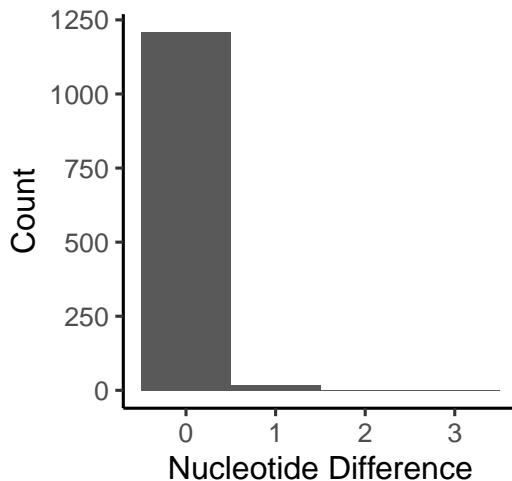
TRBV6-56*ap02

1095 sequences assigned
971 (88.7%) exact matches, in which:
957 unique CDR3
13 unique J



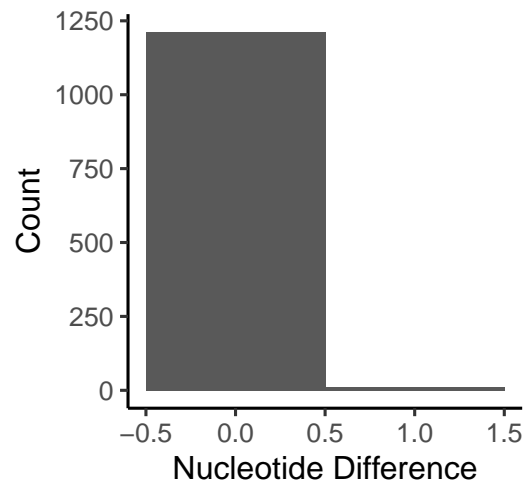
TRBV7-3*ap01

1229 sequences assigned
1209 (98.4%) exact matches, in which:
1182 unique CDR3
13 unique J



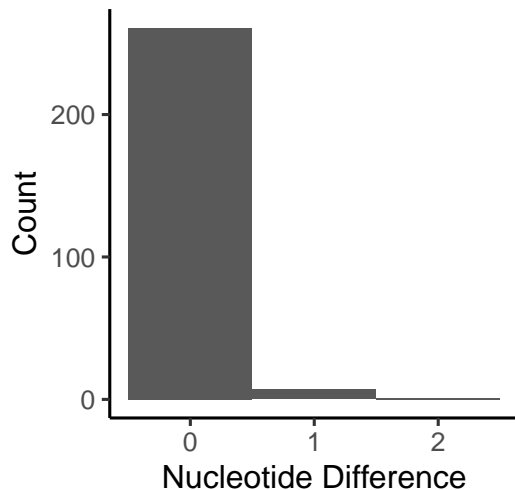
TRBV7-6*ap01

1224 sequences assigned
1212 (99%) exact matches, in which:
1193 unique CDR3
13 unique J



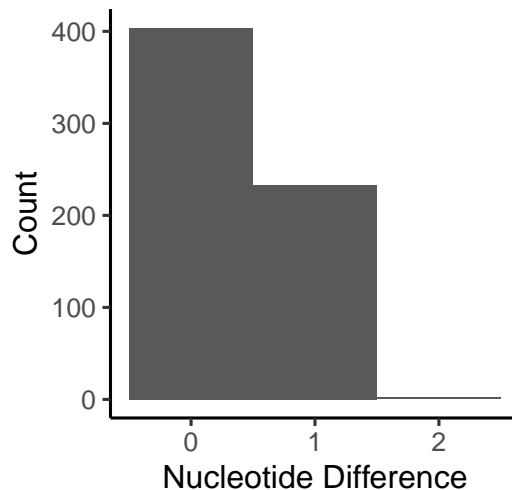
TRBV7-7*ap01

269 sequences assigned
261 (97%) exact matches, in which:
255 unique CDR3
13 unique J



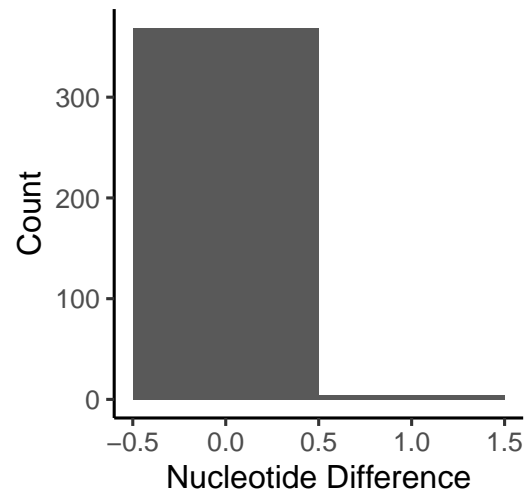
TRBV7-8*ap03

639 sequences assigned
404 (63.2%) exact matches, in which:
396 unique CDR3
13 unique J



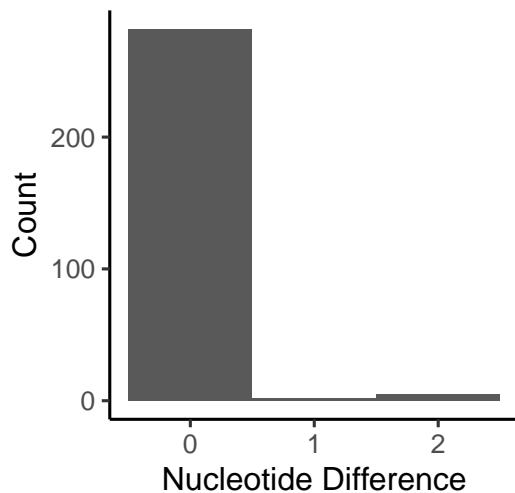
TRBV29-1*ap02

373 sequences assigned
369 (98.9%) exact matches, in which:
367 unique CDR3
13 unique J



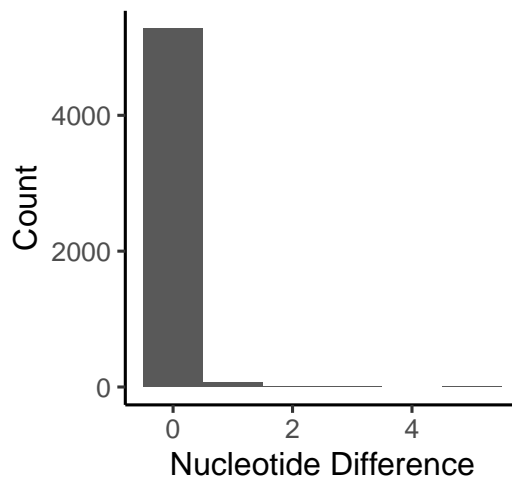
TRBV7-7*ap01_C315T

289 sequences assigned
282 (97.6%) exact matches, in which:
280 unique CDR3
13 unique J



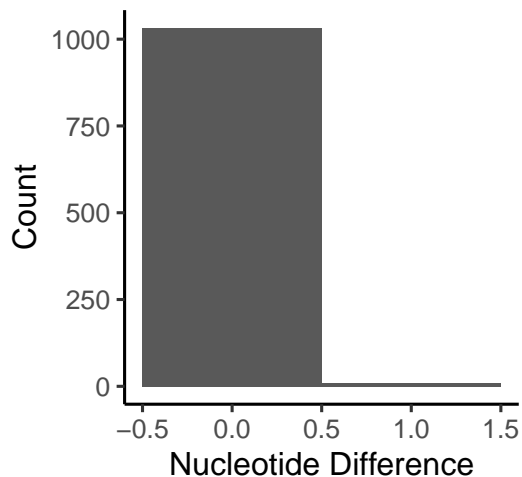
TRBV7-9*ap01

5343 sequences assigned
5275 (98.7%) exact matches, in which:
5217 unique CDR3
13 unique J



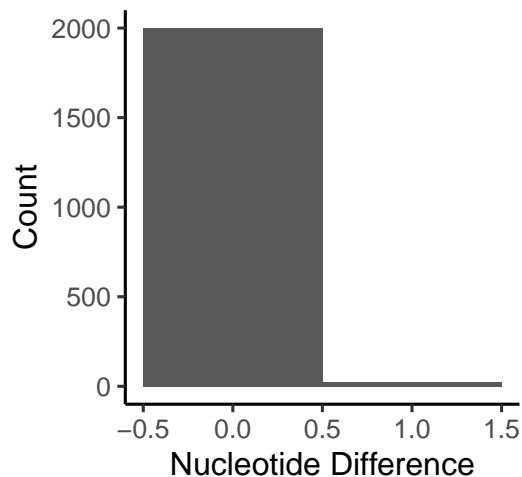
TRBV7-8*ap01

1041 sequences assigned
1032 (99.1%) exact matches, in which:
1014 unique CDR3
13 unique J

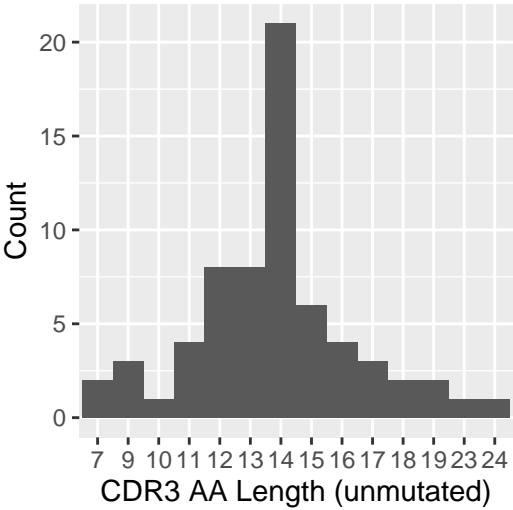


TRBV29-1*ap01

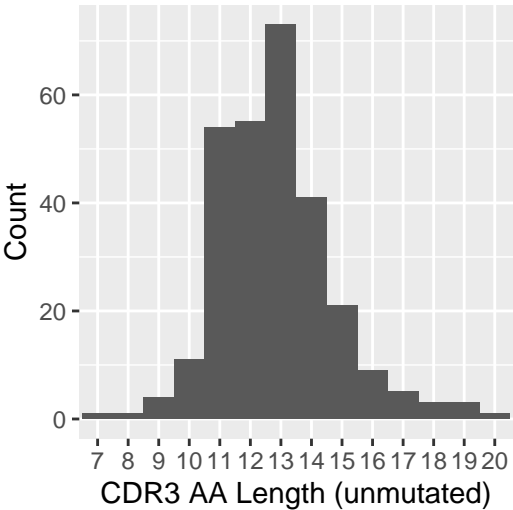
2025 sequences assigned
2000 (98.8%) exact matches, in which:
1971 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





Warning – no inferred sequences found.