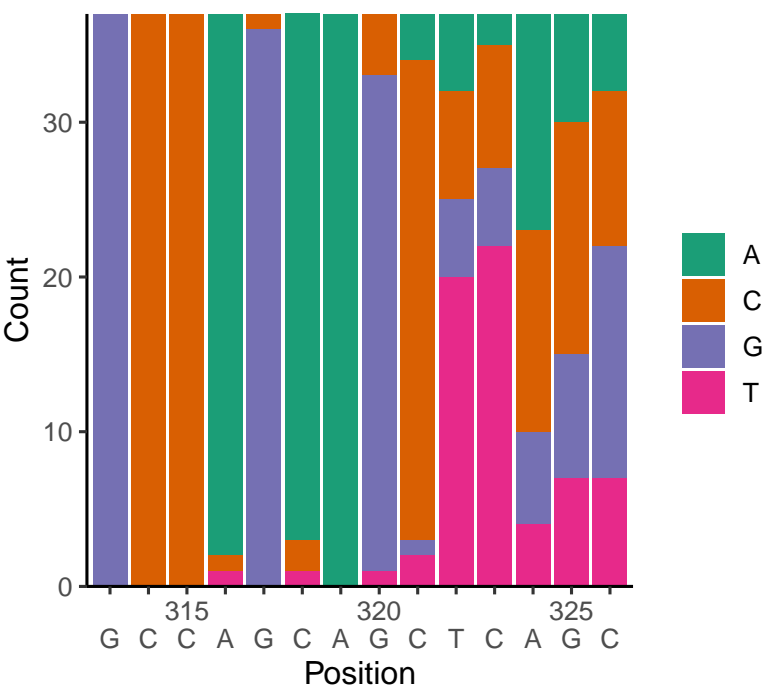
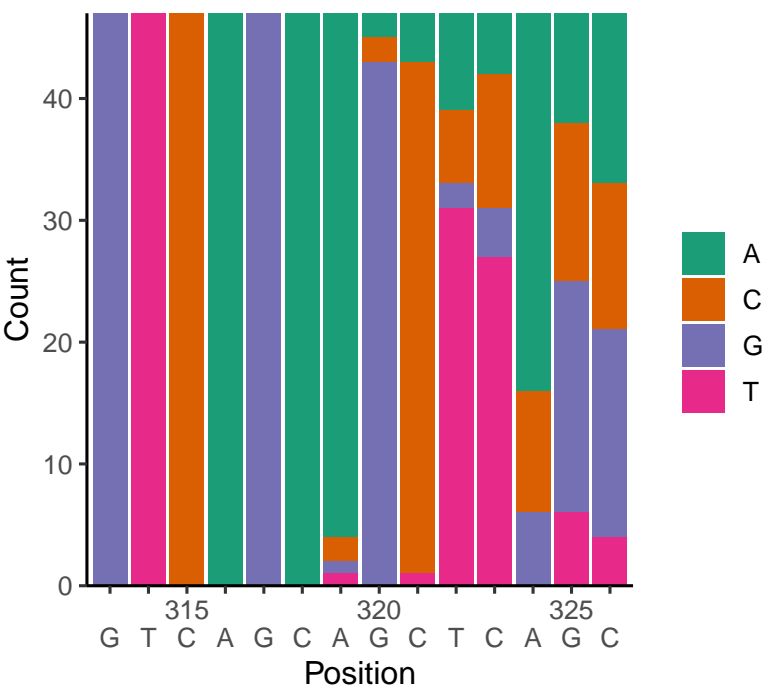


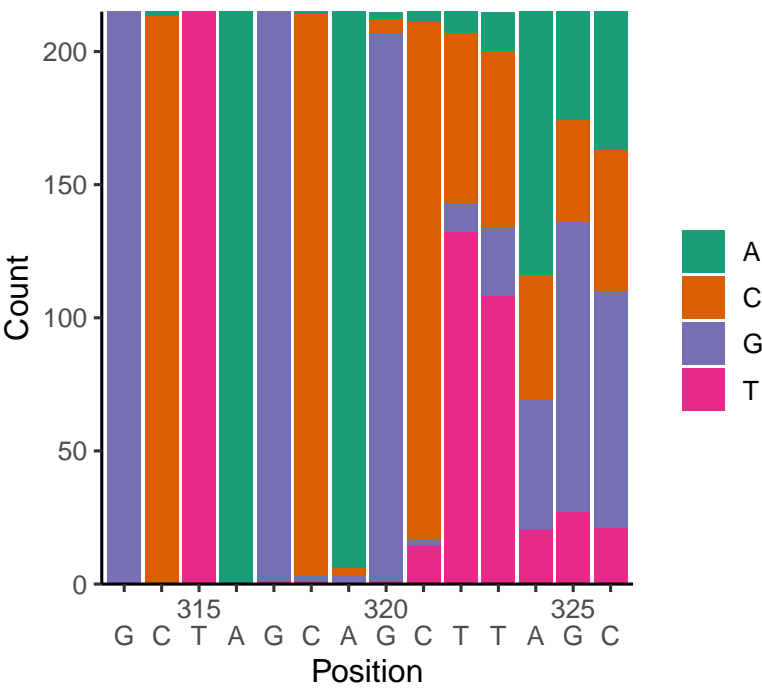
Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-1*ap01_G291C_T296C_C314T



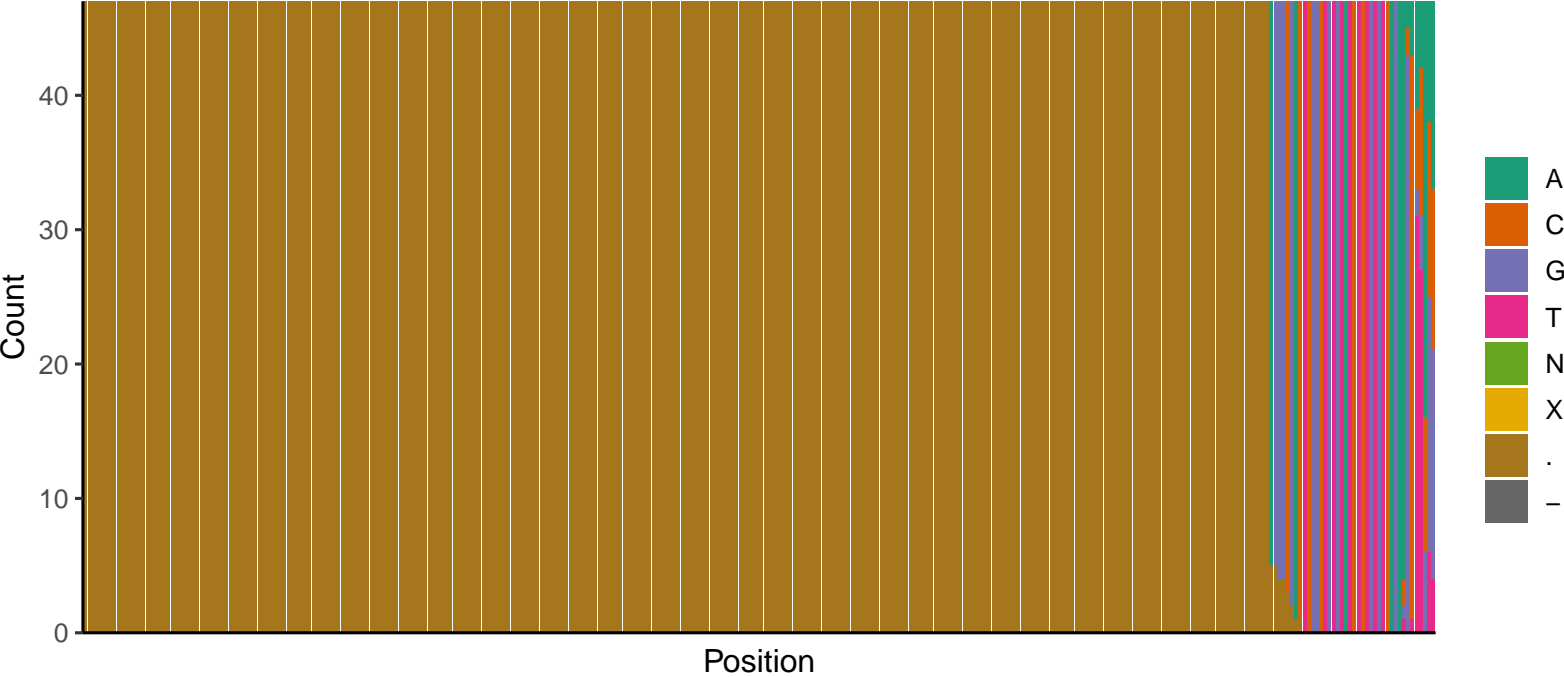
Gene TRBV7-7*ap01_C315T



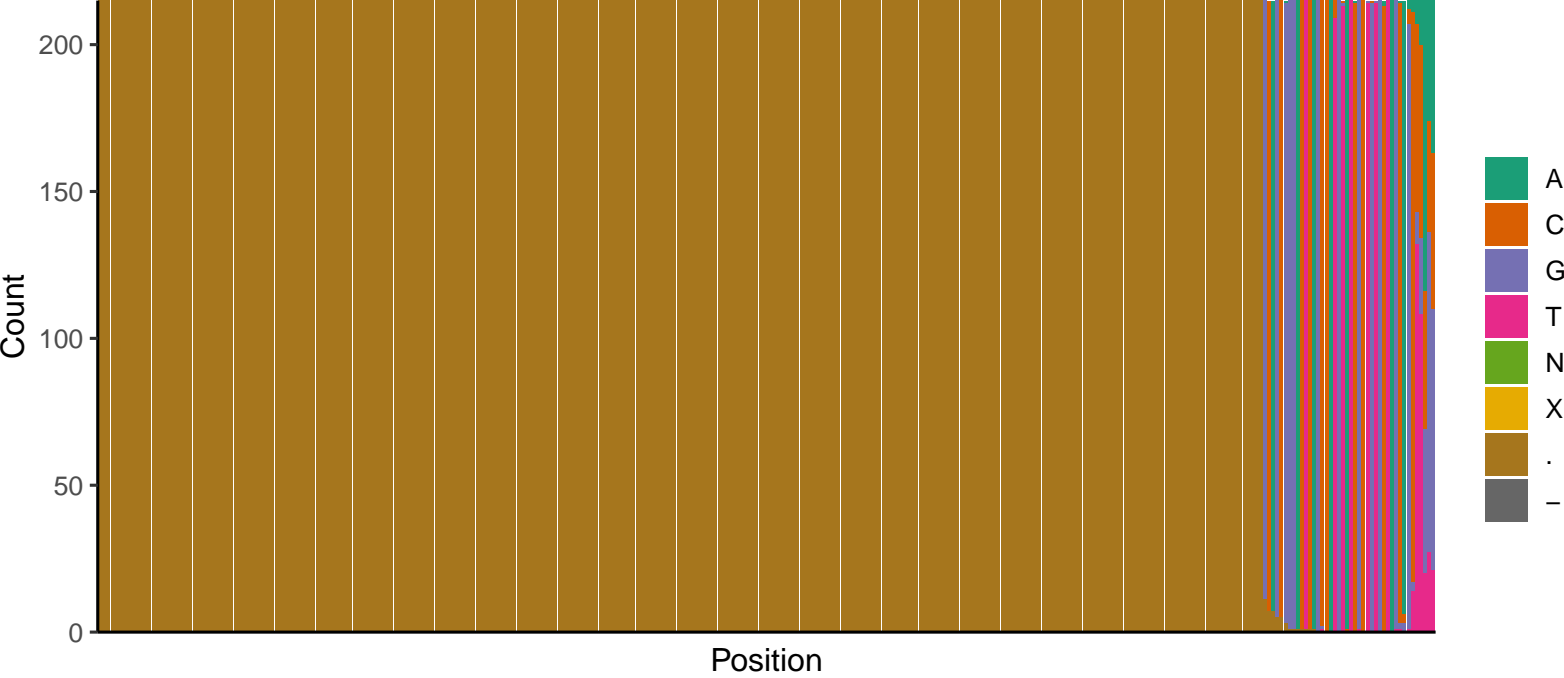
Gene TRBV7-1*ap01_G291C_T296C



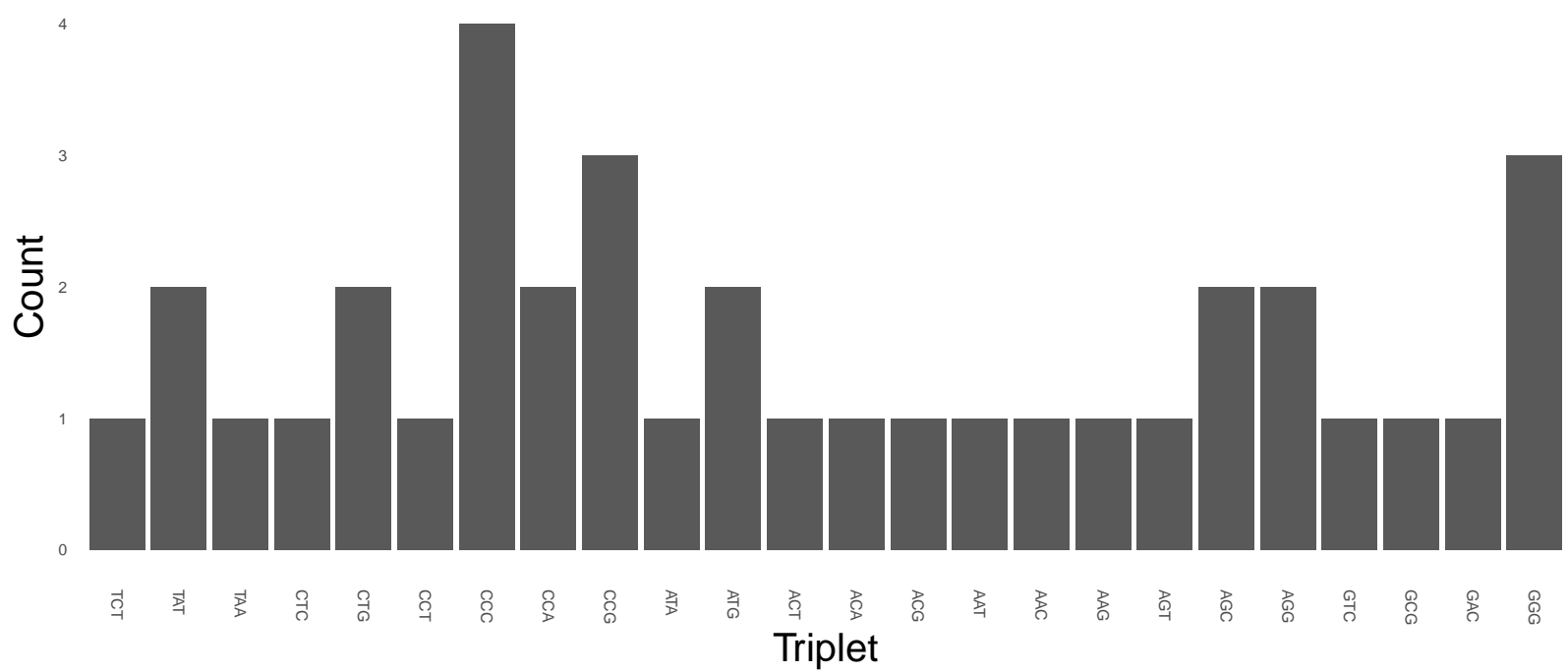
Gene TRBV7-1*ap01_G291C_T296C_C314T



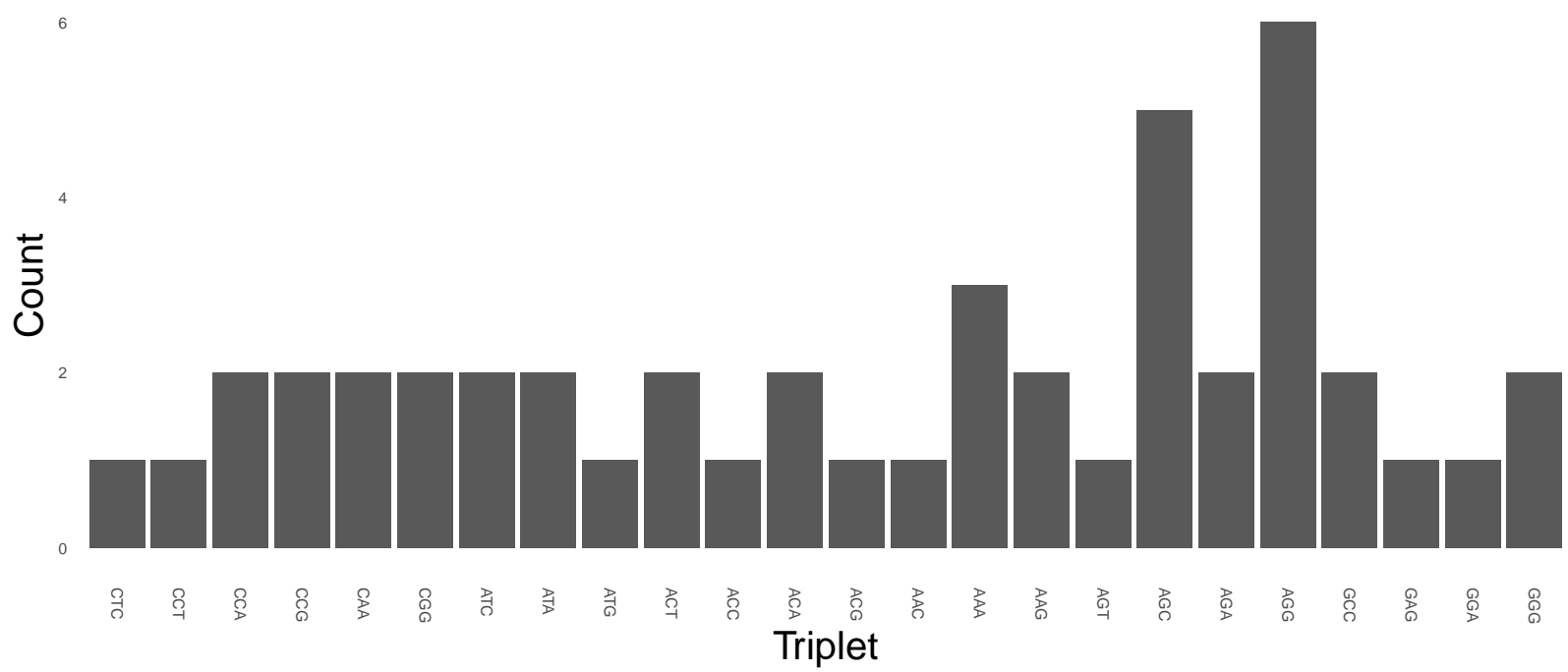
Gene TRBV7-7*ap01_C315T



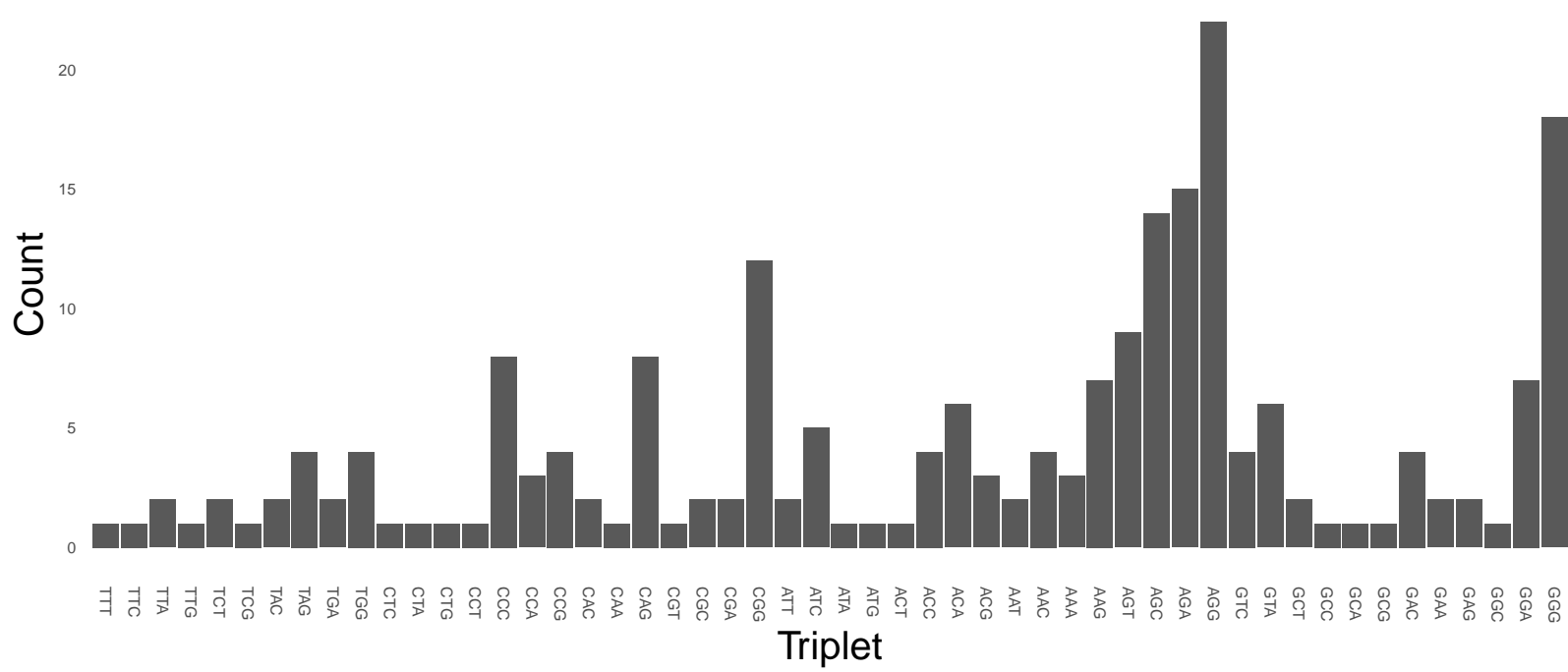
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



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

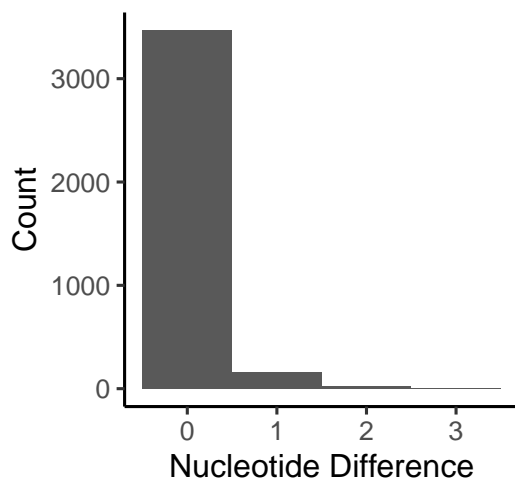


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



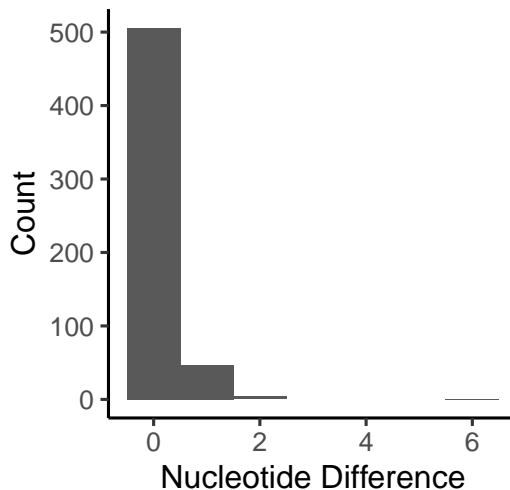
TRBV20-1*ap01

3652 sequences assigned
3467 (94.9%) exact matches, in which:
3402 unique CDR3
13 unique J



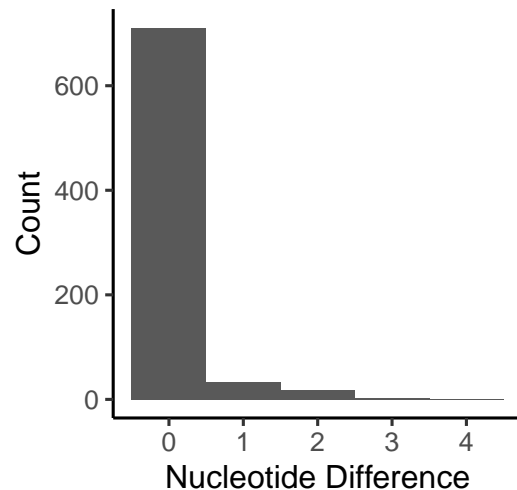
TRBV10-2*ap01

558 sequences assigned
506 (90.7%) exact matches, in which:
494 unique CDR3
13 unique J



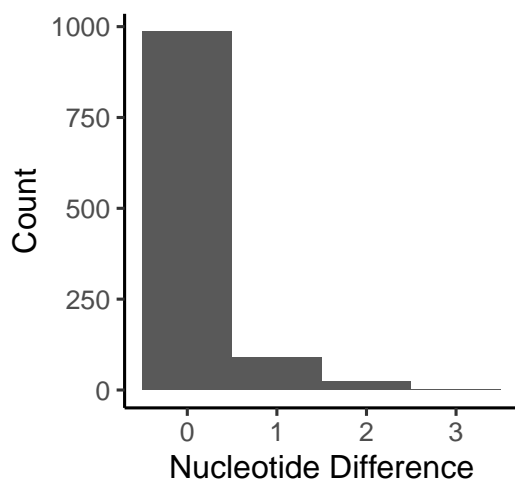
TRBV13*ap01

766 sequences assigned
711 (92.8%) exact matches, in which:
682 unique CDR3
13 unique J



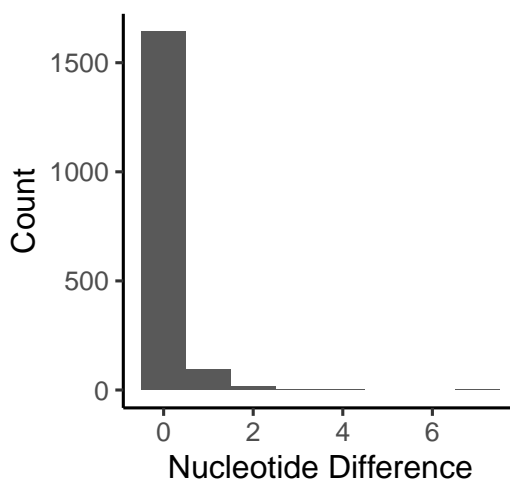
TRBV10-1*ap01

1102 sequences assigned
986 (89.5%) exact matches, in which:
966 unique CDR3
13 unique J



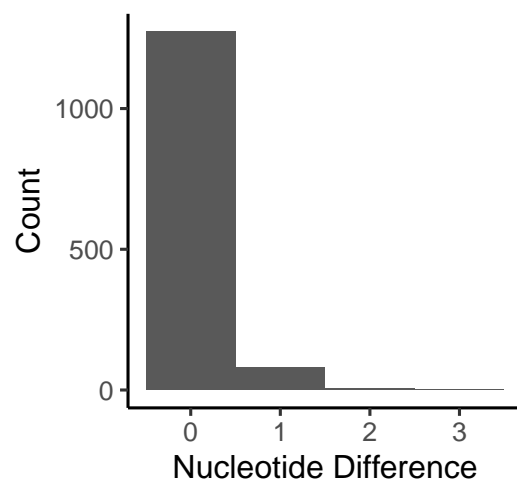
TRBV10-3*ap01

1752 sequences assigned
1642 (93.7%) exact matches, in which:
1588 unique CDR3
13 unique J



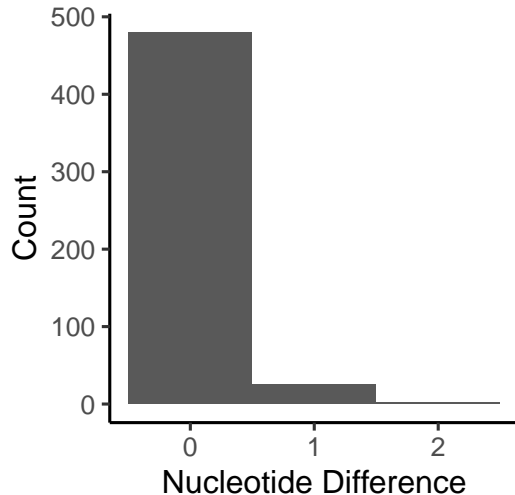
TRBV14*ap01

1358 sequences assigned
1273 (93.7%) exact matches, in which:
1228 unique CDR3
13 unique J



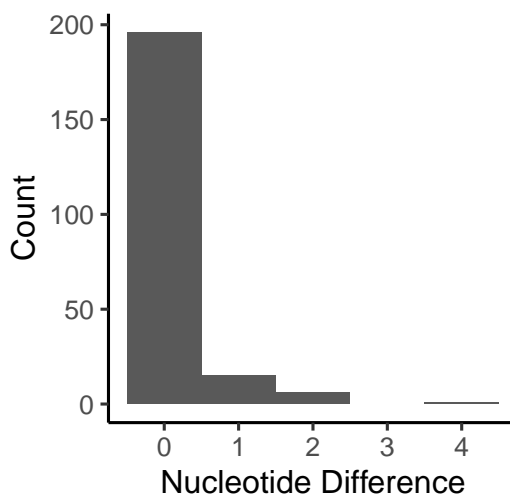
TRBV20-1*ap02

507 sequences assigned
480 (94.7%) exact matches, in which:
474 unique CDR3
13 unique J



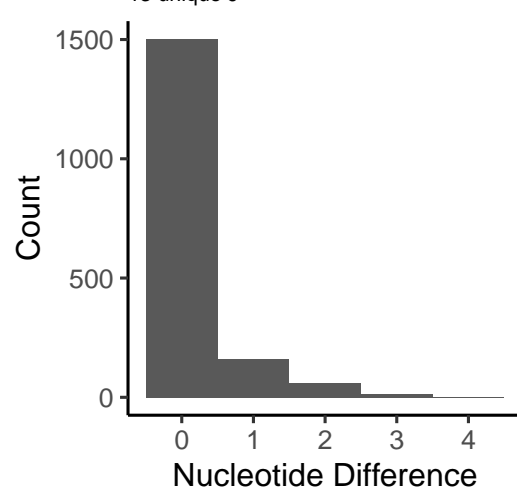
TRBV1*ap01

218 sequences assigned
196 (89.9%) exact matches, in which:
192 unique CDR3
13 unique J



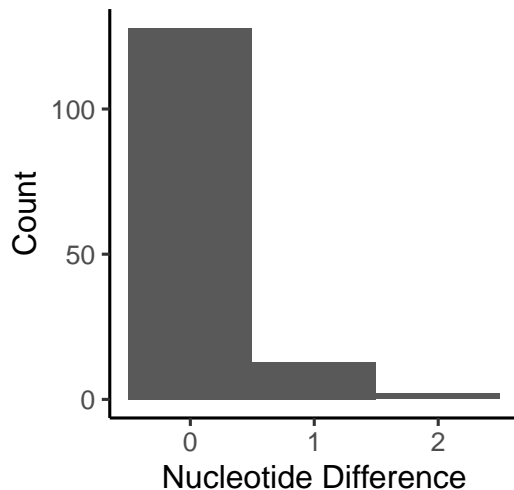
TRBV15*ap02

1738 sequences assigned
1502 (86.4%) exact matches, in which:
1431 unique CDR3
13 unique J



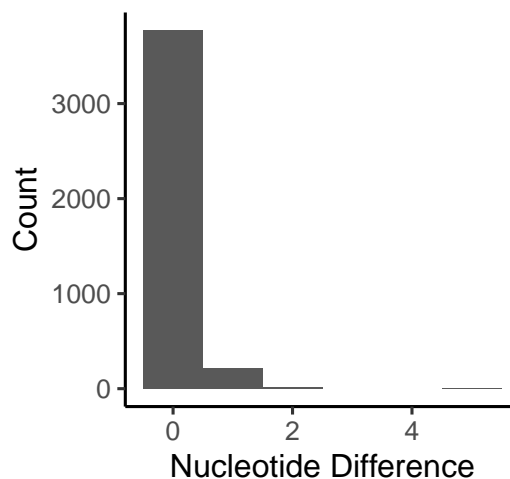
TRBV16*ap01

143 sequences assigned
128 (89.5%) exact matches, in which:
121 unique CDR3
13 unique J



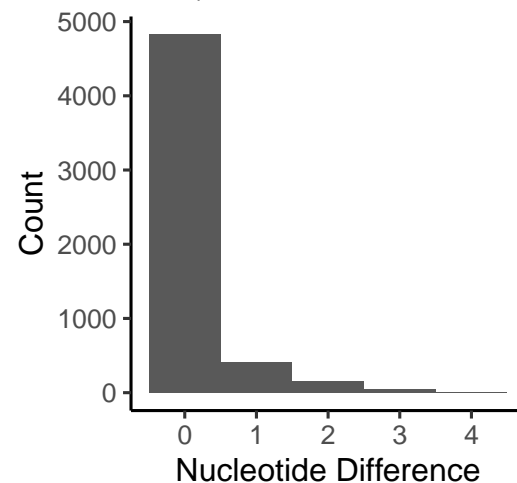
TRBV2*ap01

4008 sequences assigned
3770 (94.1%) exact matches, in which:
3678 unique CDR3
13 unique J



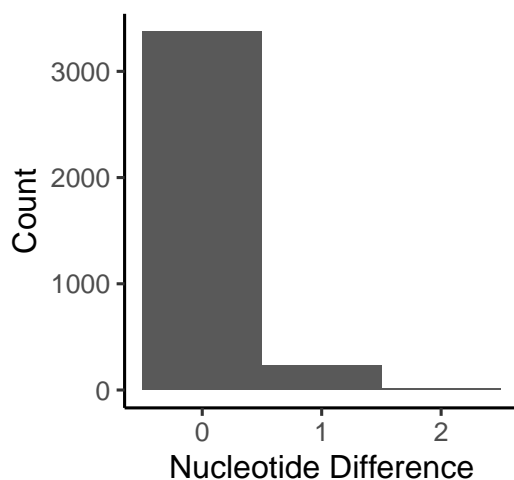
TRBV28*ap01

5445 sequences assigned
4827 (88.7%) exact matches, in which:
4652 unique CDR3
13 unique J



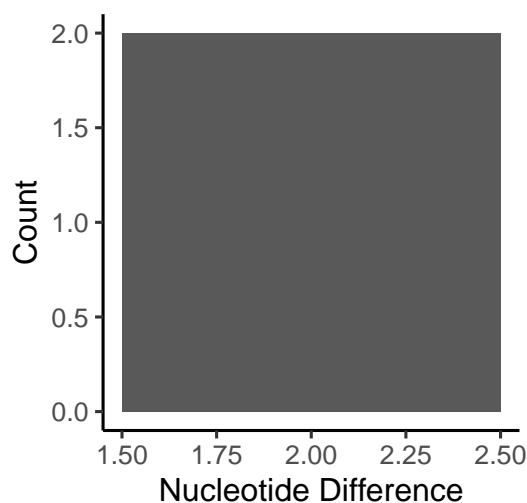
TRBV18*ap01

3617 sequences assigned
3373 (93.3%) exact matches, in which:
3257 unique CDR3
13 unique J



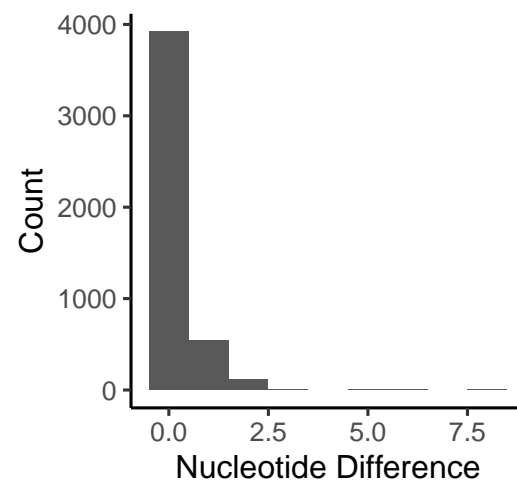
TRBV26*ap01

2 sequences assigned
No exact matches.



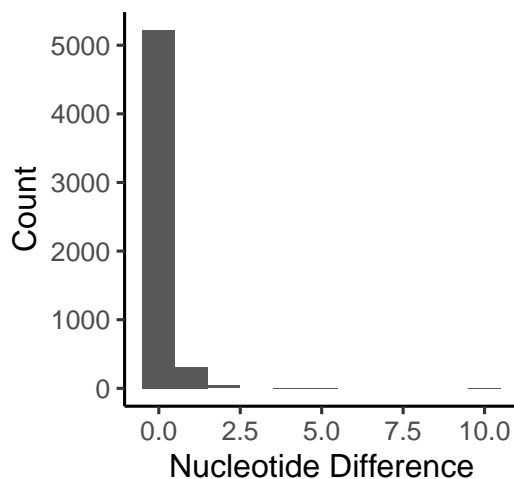
TRBV30*ap01

4582 sequences assigned
3920 (85.6%) exact matches, in which:
3844 unique CDR3
13 unique J



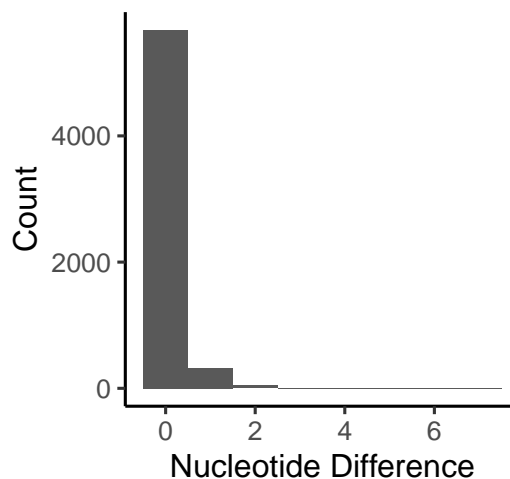
TRBV19*ap01

5579 sequences assigned
5221 (93.6%) exact matches, in which:
5068 unique CDR3
13 unique J



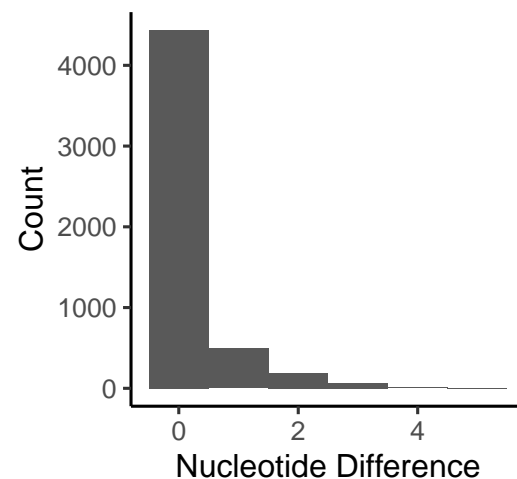
TRBV27*ap01

6050 sequences assigned
5677 (93.8%) exact matches, in which:
5456 unique CDR3
13 unique J



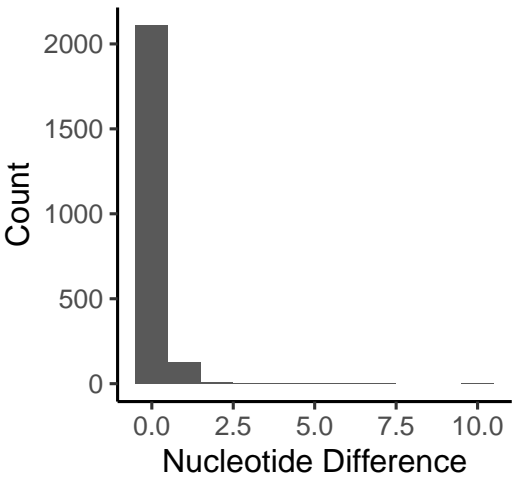
TRBV9*ap01

5201 sequences assigned
4437 (85.3%) exact matches, in which:
4264 unique CDR3
13 unique J



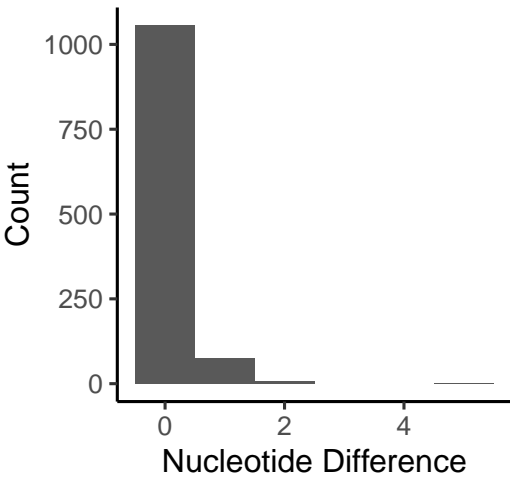
TRBV21-1*ap01

2247 sequences assigned
2109 (93.9%) exact matches, in which:
2024 unique CDR3
13 unique J



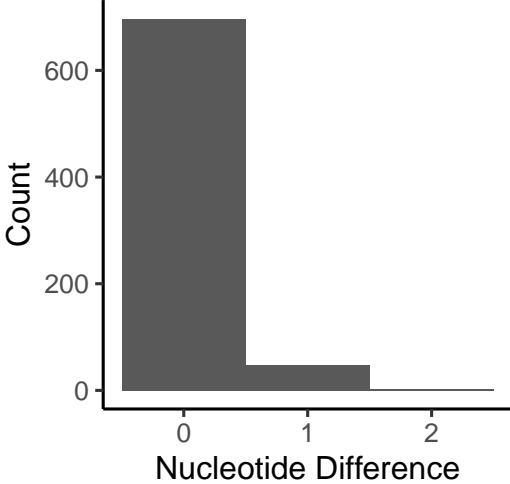
TRBV11-3*ap01

1139 sequences assigned
1056 (92.7%) exact matches, in which:
1017 unique CDR3
13 unique J



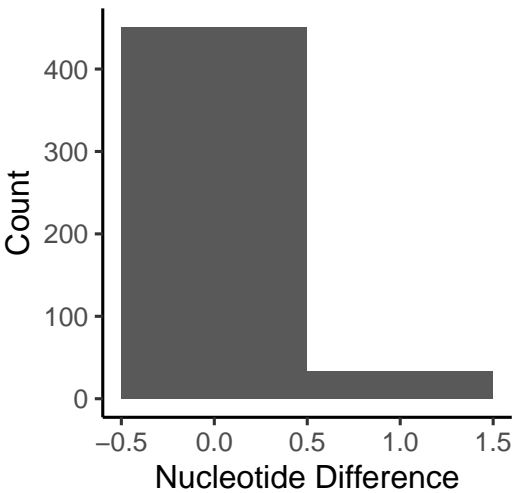
TRBV12-5*ap01

747 sequences assigned
697 (93.3%) exact matches, in which:
667 unique CDR3
13 unique J



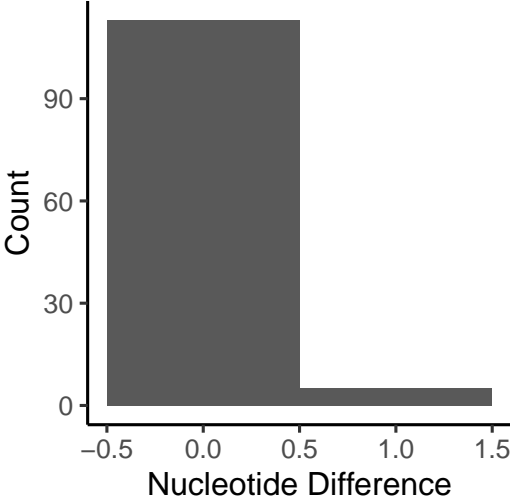
TRBV11-1*ap01

484 sequences assigned
451 (93.2%) exact matches, in which:
436 unique CDR3
13 unique J



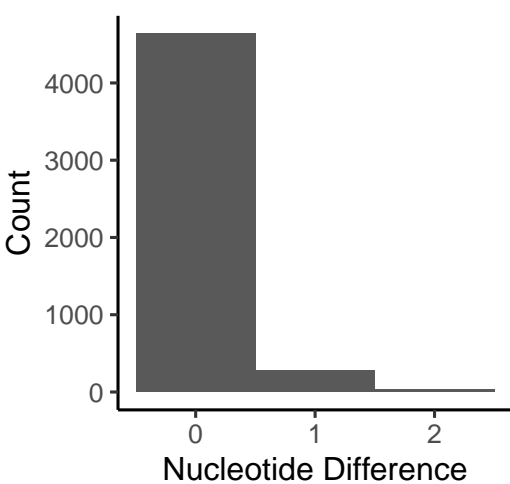
TRBV12-1*ap01

118 sequences assigned
113 (95.8%) exact matches, in which:
111 unique CDR3
12 unique J



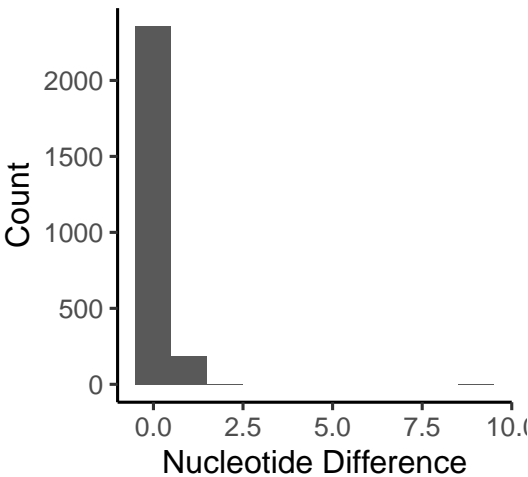
TRBV12-34*ap01

4952 sequences assigned
4637 (93.6%) exact matches, in which:
4485 unique CDR3
13 unique J



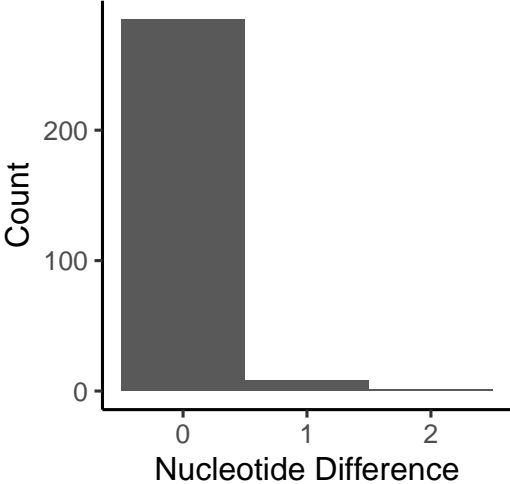
TRBV11-2*ap01

2549 sequences assigned
2358 (92.5%) exact matches, in which:
2244 unique CDR3
13 unique J



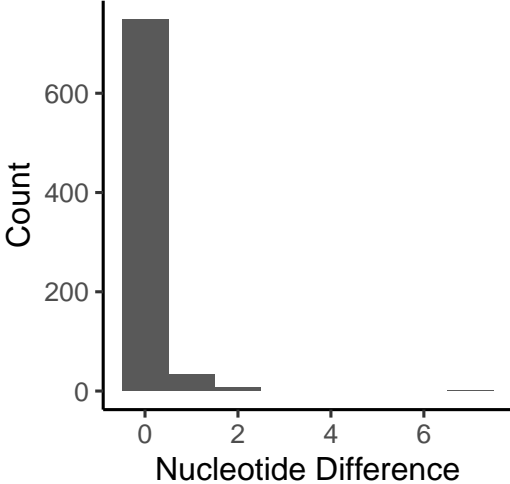
TRBV12-2*ap01

294 sequences assigned
285 (96.9%) exact matches, in which:
273 unique CDR3
13 unique J



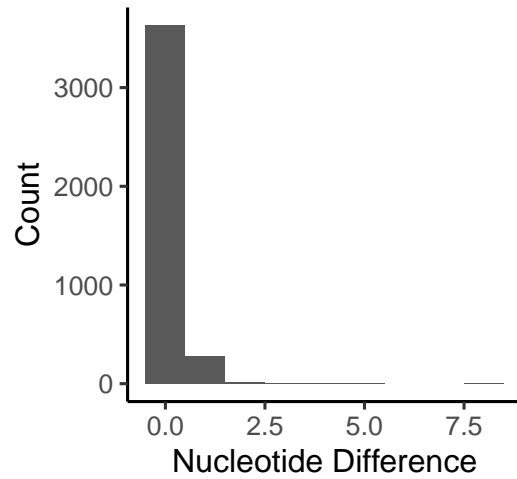
TRBV23-1*ap01

791 sequences assigned
749 (94.7%) exact matches, in which:
731 unique CDR3
13 unique J



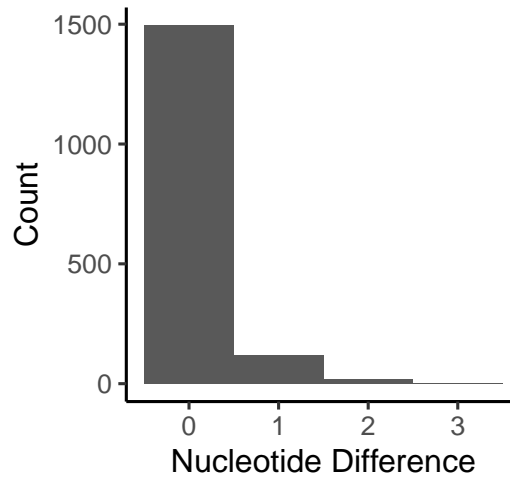
TRBV3-12*ap01

3931 sequences assigned
3630 (92.3%) exact matches, in which:
3520 unique CDR3
13 unique J



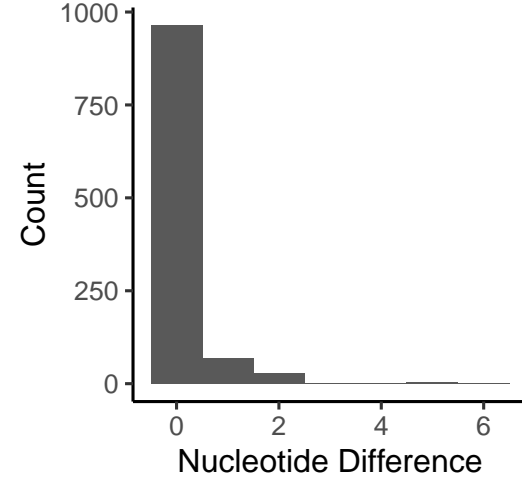
TRBV4-2*ap01

1633 sequences assigned
1495 (91.5%) exact matches, in which:
1431 unique CDR3
13 unique J



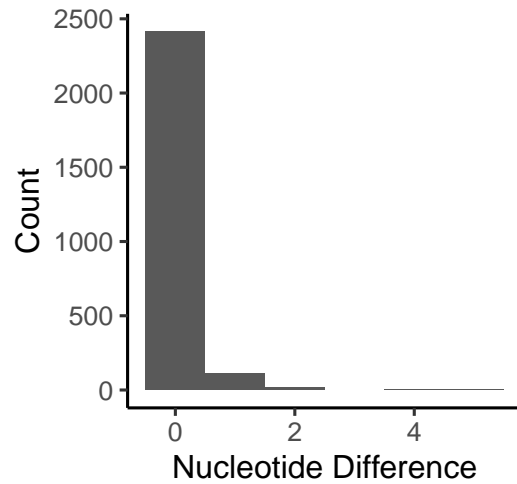
TRBV25-1*ap01

1068 sequences assigned
964 (90.3%) exact matches, in which:
946 unique CDR3
13 unique J



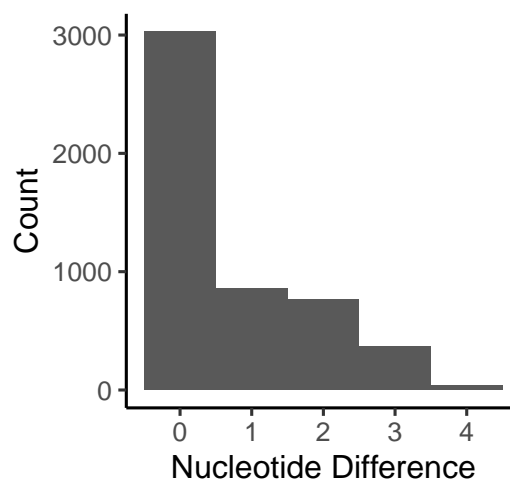
TRBV24-1*ap01

2552 sequences assigned
2413 (94.6%) exact matches, in which:
2339 unique CDR3
13 unique J



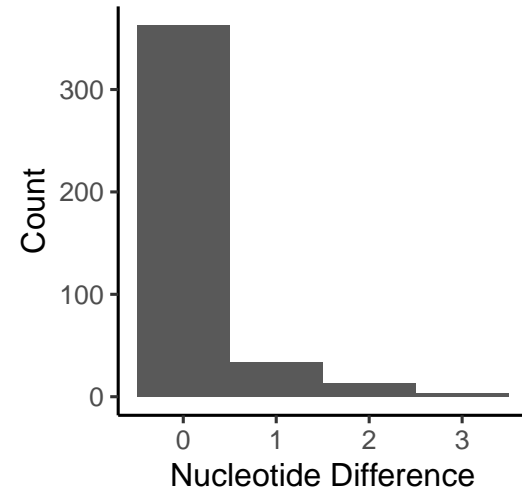
TRBV4-3*ap01

5056 sequences assigned
3028 (59.9%) exact matches, in which:
2906 unique CDR3
13 unique J



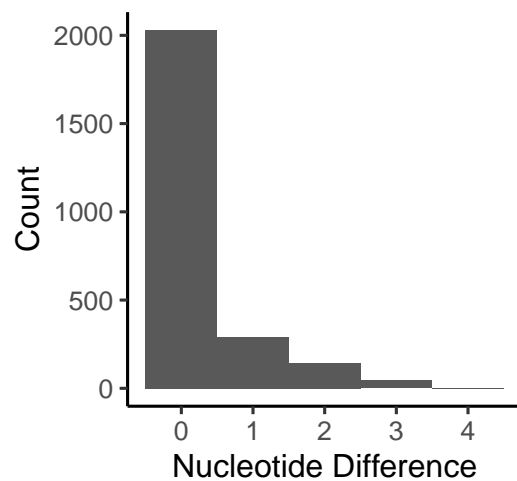
TRBV5-3*ap01

413 sequences assigned
363 (87.9%) exact matches, in which:
346 unique CDR3
13 unique J



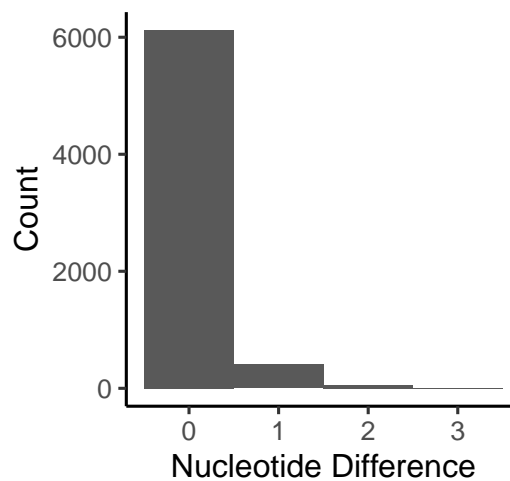
TRBV4-1*ap01

2513 sequences assigned
2030 (80.8%) exact matches, in which:
1961 unique CDR3
13 unique J



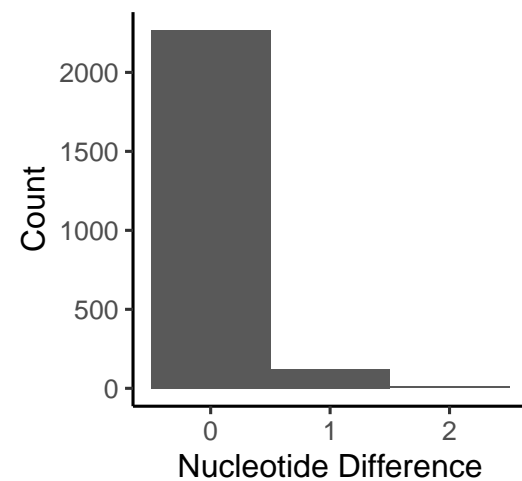
TRBV5-1*ap01

6588 sequences assigned
6123 (92.9%) exact matches, in which:
5846 unique CDR3
13 unique J



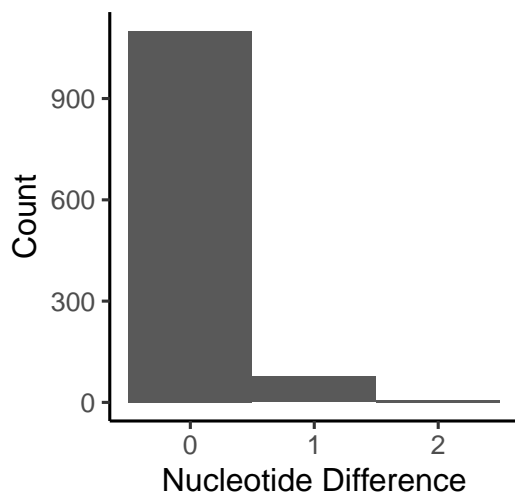
TRBV5-4*ap01

2400 sequences assigned
2268 (94.5%) exact matches, in which:
2213 unique CDR3
13 unique J



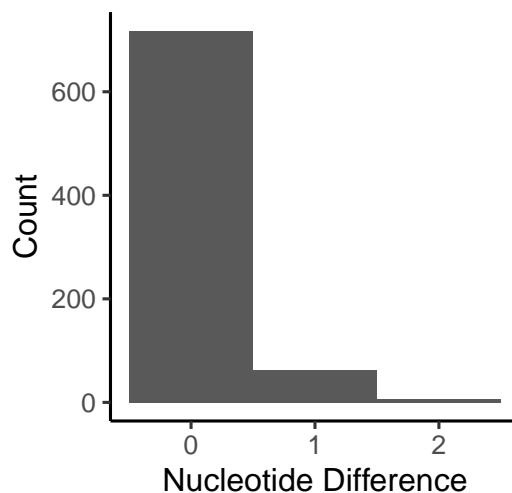
TRBV5-5*ap01

1184 sequences assigned
1101 (93%) exact matches, in which:
1037 unique CDR3
13 unique J



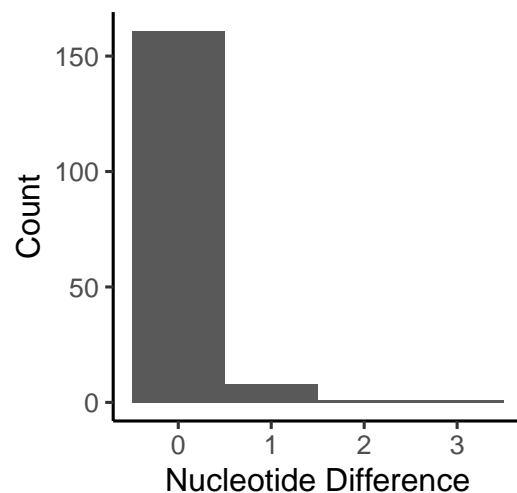
TRBV5-8*ap01

787 sequences assigned
718 (91.2%) exact matches, in which:
697 unique CDR3
13 unique J



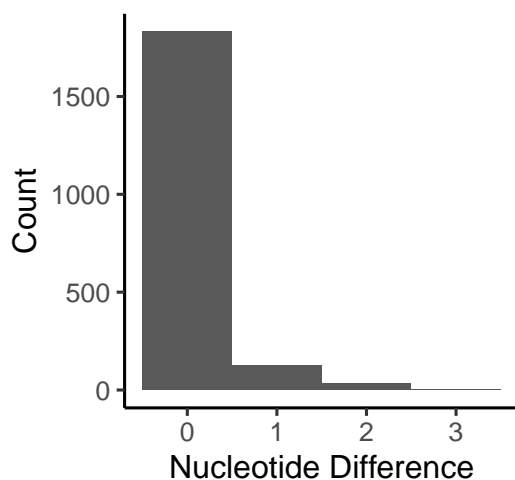
TRBV6-7*ap01

171 sequences assigned
161 (94.2%) exact matches, in which:
156 unique CDR3
12 unique J



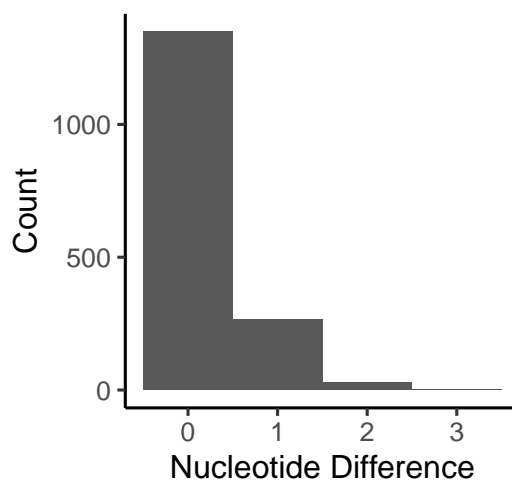
TRBV5-6*ap01

1991 sequences assigned
1831 (92%) exact matches, in which:
1766 unique CDR3
13 unique J



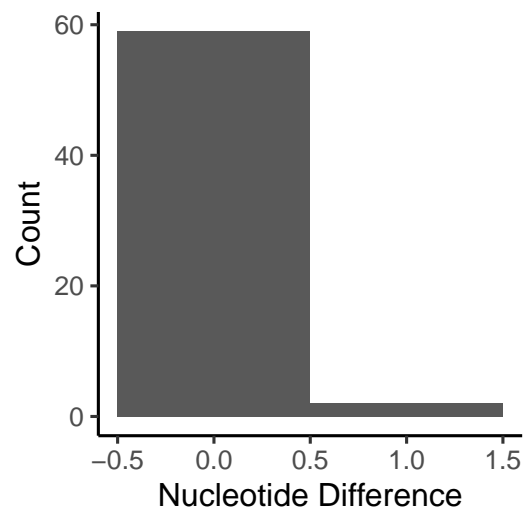
TRBV6-1*ap01

1646 sequences assigned
1349 (82%) exact matches, in which:
1301 unique CDR3
13 unique J



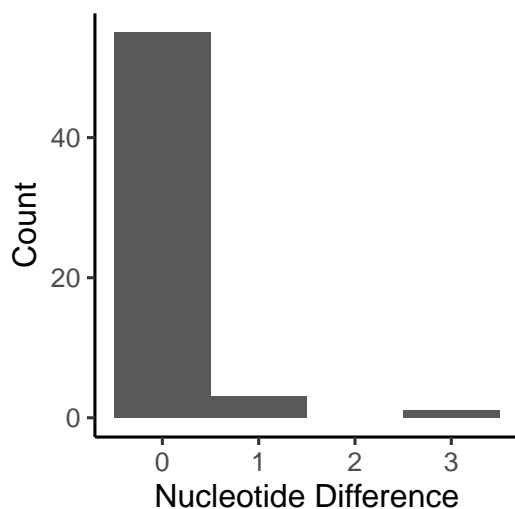
TRBV6-8*ap01

61 sequences assigned
59 (96.7%) exact matches, in which:
58 unique CDR3
11 unique J



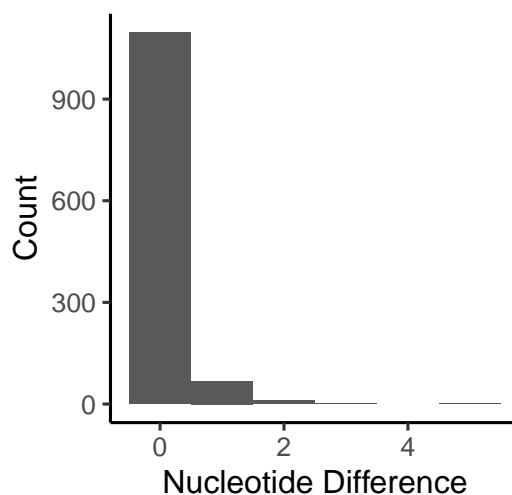
TRBV5-7*ap01

59 sequences assigned
55 (93.2%) exact matches, in which:
54 unique CDR3
11 unique J



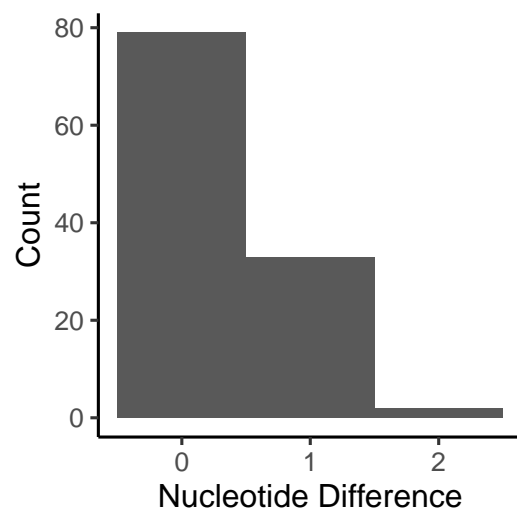
TRBV6-4*ap01

1178 sequences assigned
1097 (93.1%) exact matches, in which:
1064 unique CDR3
13 unique J



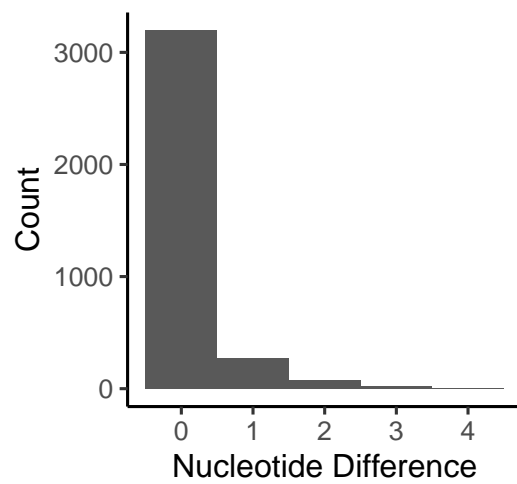
TRBV6-9*ap01

114 sequences assigned
79 (69.3%) exact matches, in which:
75 unique CDR3
13 unique J



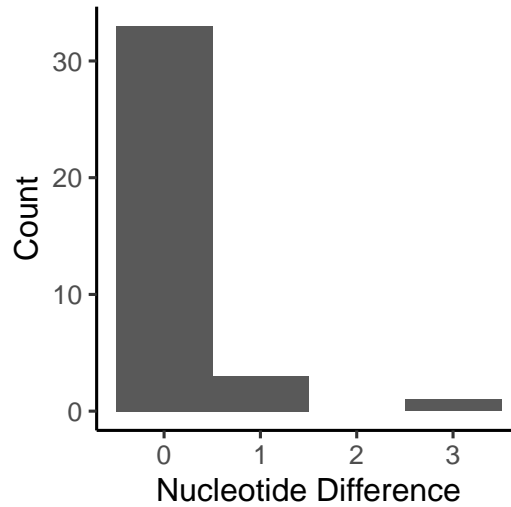
TRBV6-23*ap01

3565 sequences assigned
3196 (89.6%) exact matches, in which:
3120 unique CDR3
13 unique J



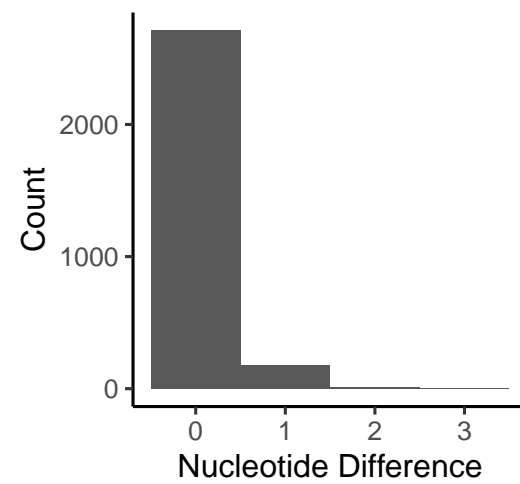
TRBV7-1*ap01_G291C_T

37 sequences assigned
33 (89.2%) exact matches, in which:
32 unique CDR3
10 unique J



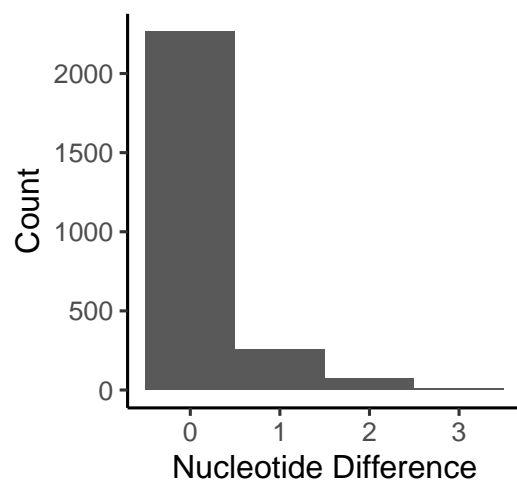
TRBV7-3*ap01

2904 sequences assigned
2712 (93.4%) exact matches, in which:
2575 unique CDR3
13 unique J



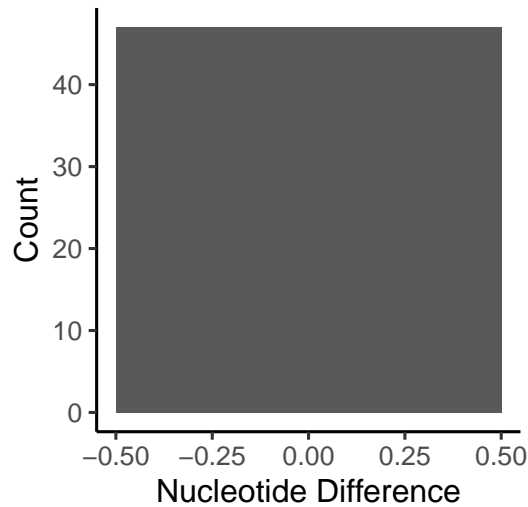
TRBV6-56*ap01

2604 sequences assigned
2264 (86.9%) exact matches, in which:
2202 unique CDR3
13 unique J



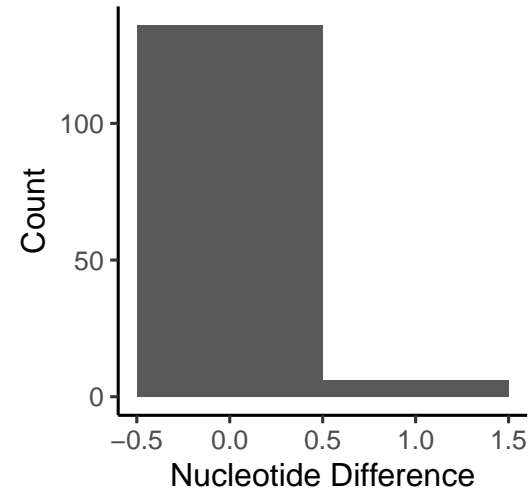
TRBV7-1*ap01_G291C_T

47 sequences assigned
47 (100%) exact matches, in which:
46 unique CDR3
10 unique J



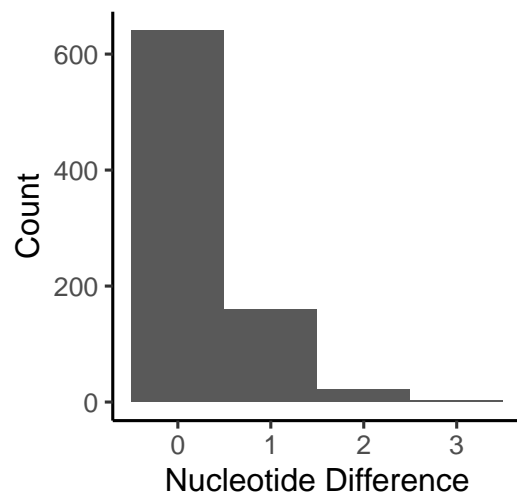
TRBV7-4*ap01

142 sequences assigned
136 (95.8%) exact matches, in which:
130 unique CDR3
13 unique J



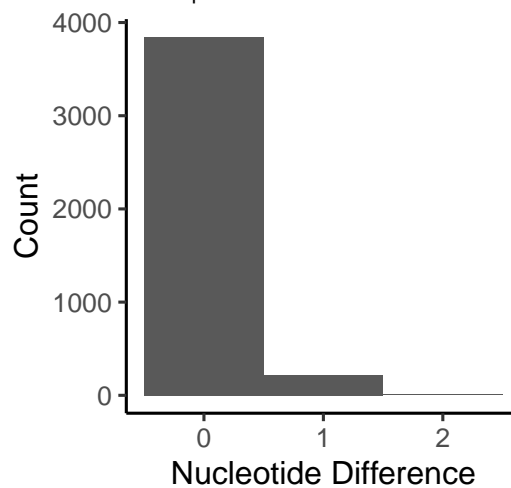
TRBV6-56*ap02

824 sequences assigned
641 (77.8%) exact matches, in which:
623 unique CDR3
13 unique J



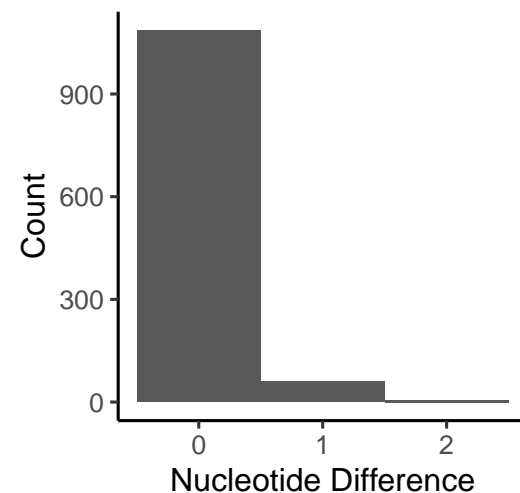
TRBV7-2*ap01

4068 sequences assigned
3844 (94.5%) exact matches, in which:
3738 unique CDR3
13 unique J



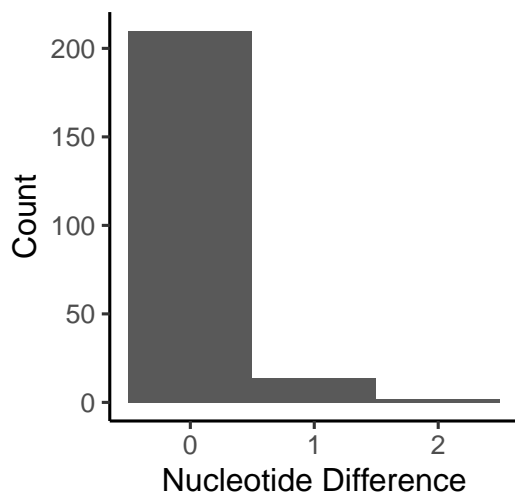
TRBV7-6*ap01

1153 sequences assigned
1086 (94.2%) exact matches, in which:
1048 unique CDR3
13 unique J



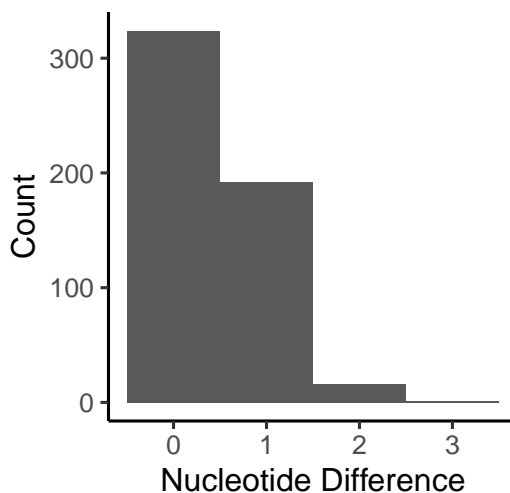
TRBV7-7*ap01

226 sequences assigned
210 (92.9%) exact matches, in which:
202 unique CDR3
12 unique J



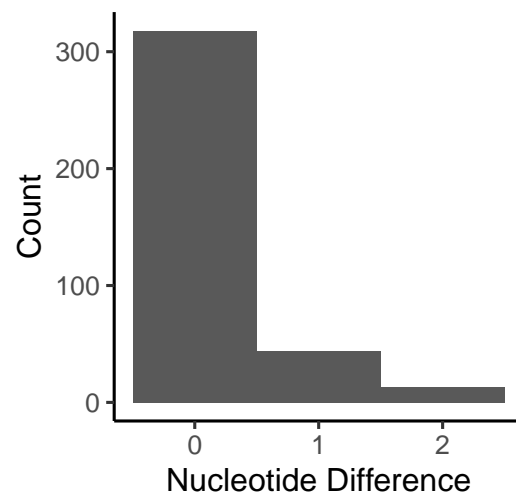
TRBV7-8*ap03

533 sequences assigned
324 (60.8%) exact matches, in which:
317 unique CDR3
13 unique J



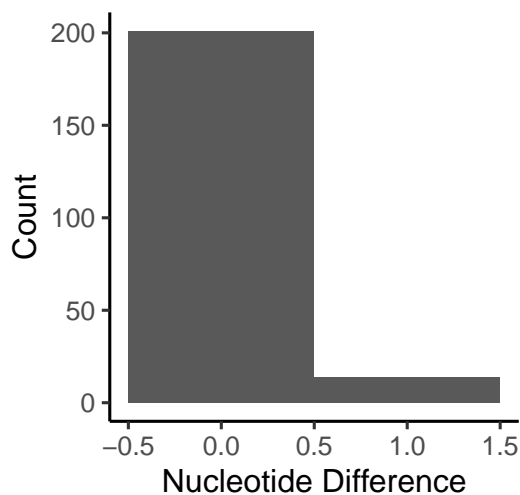
TRBV29-1*ap02

375 sequences assigned
318 (84.8%) exact matches, in which:
314 unique CDR3
13 unique J



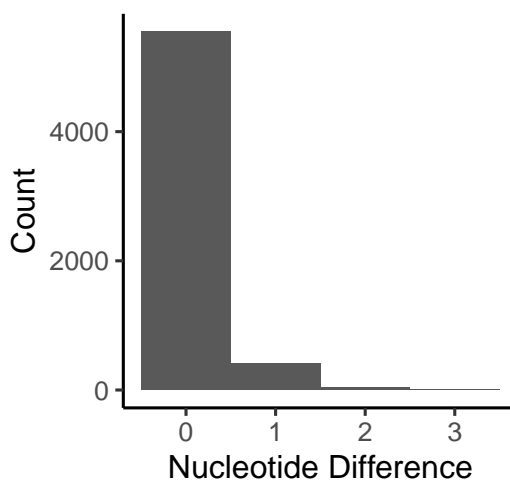
TRBV7-7*ap01_C315T

215 sequences assigned
201 (93.5%) exact matches, in which:
198 unique CDR3
13 unique J



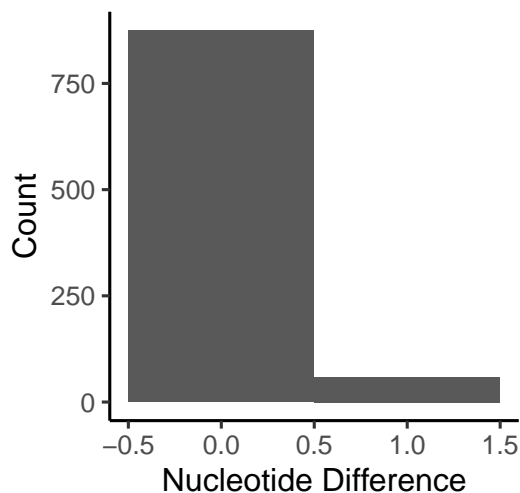
TRBV7-9*ap01

5993 sequences assigned
5547 (92.6%) exact matches, in which:
5406 unique CDR3
13 unique J



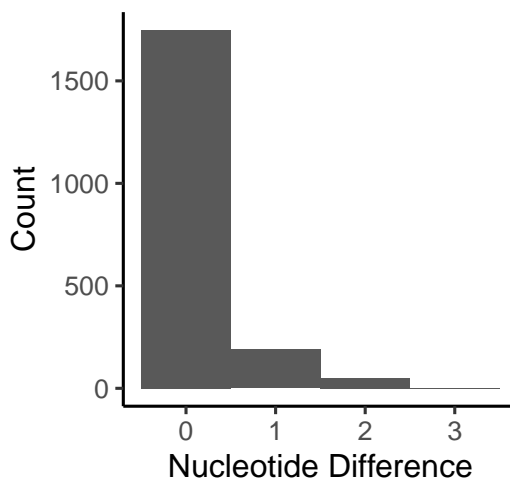
TRBV7-8*ap01

934 sequences assigned
875 (93.7%) exact matches, in which:
848 unique CDR3
13 unique J

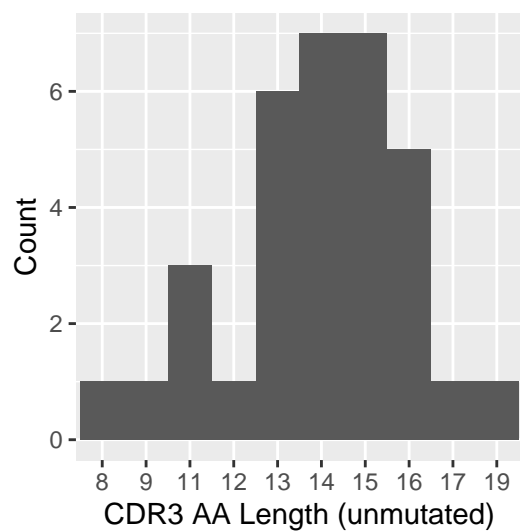


TRBV29-1*ap01

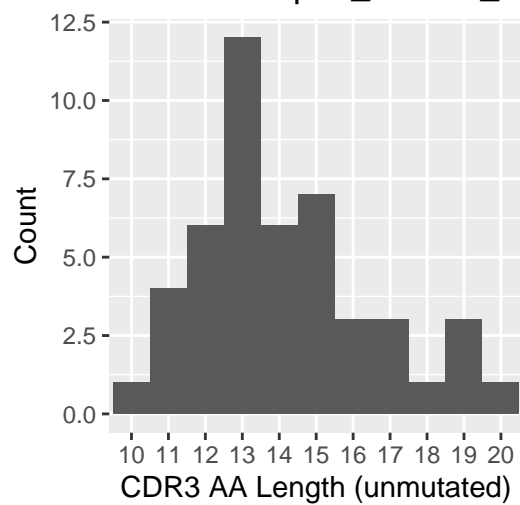
1987 sequences assigned
1748 (88%) exact matches, in which:
1728 unique CDR3
13 unique J



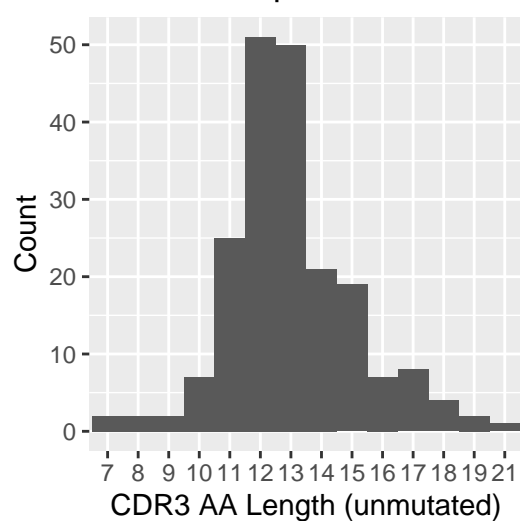
TRBV7-1*ap01_G291C_T296C



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-7*ap01_C315T





[illegible]