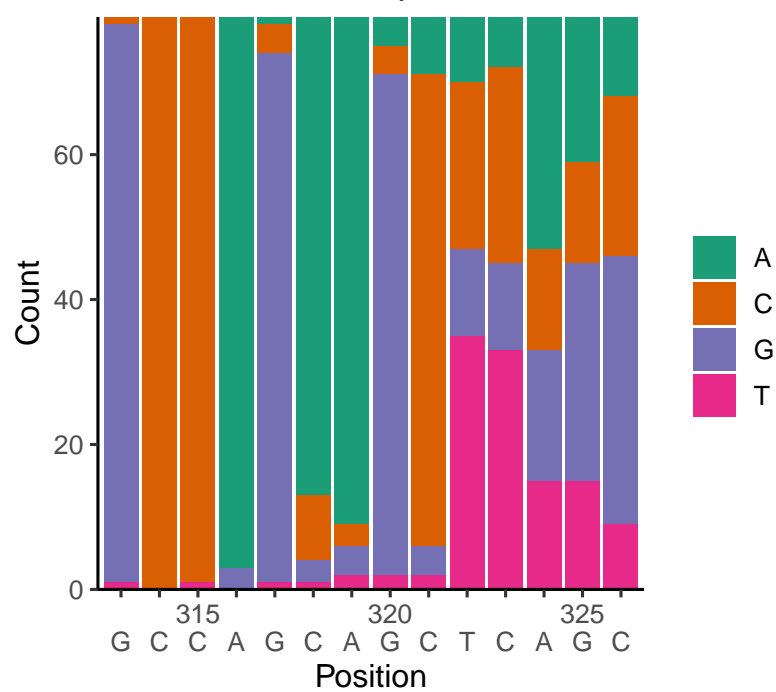
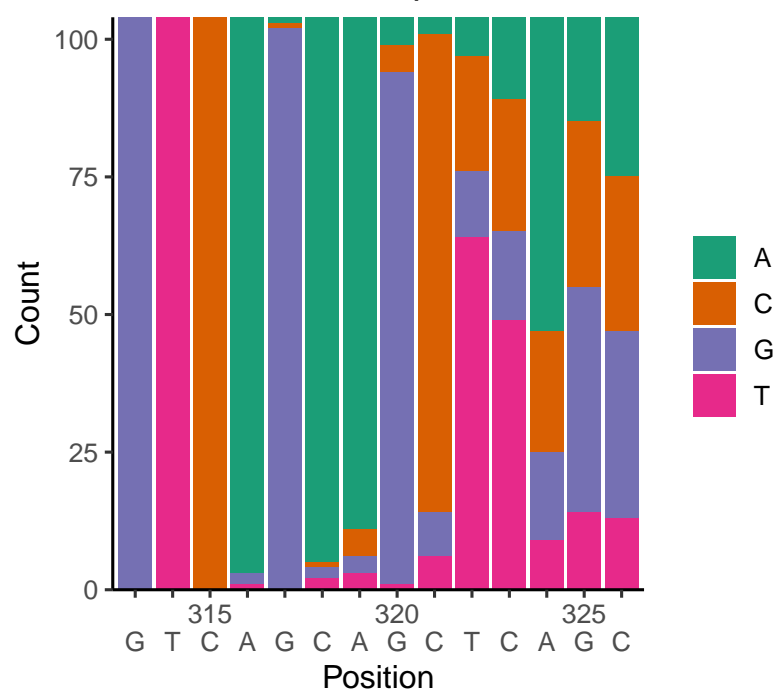


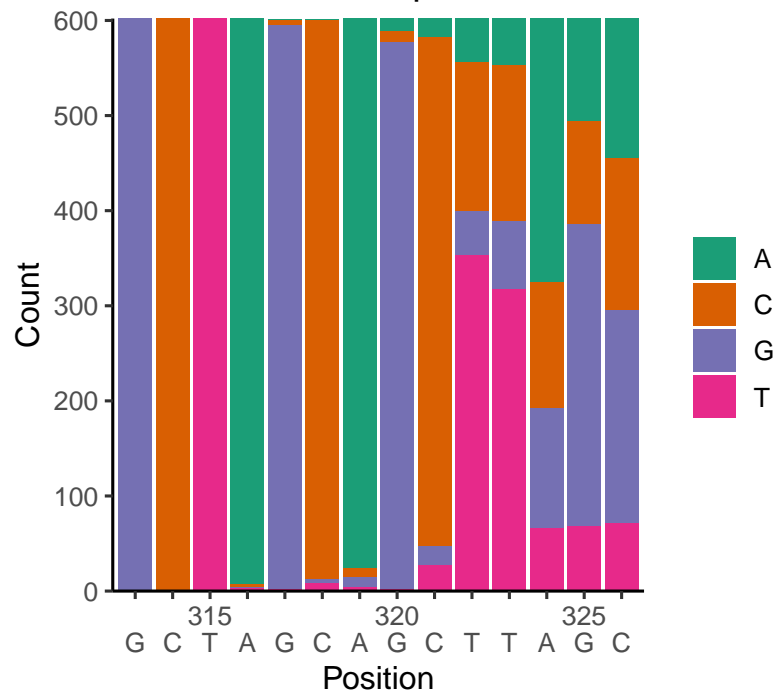
Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-1*ap01_G291C_T296C_C314T



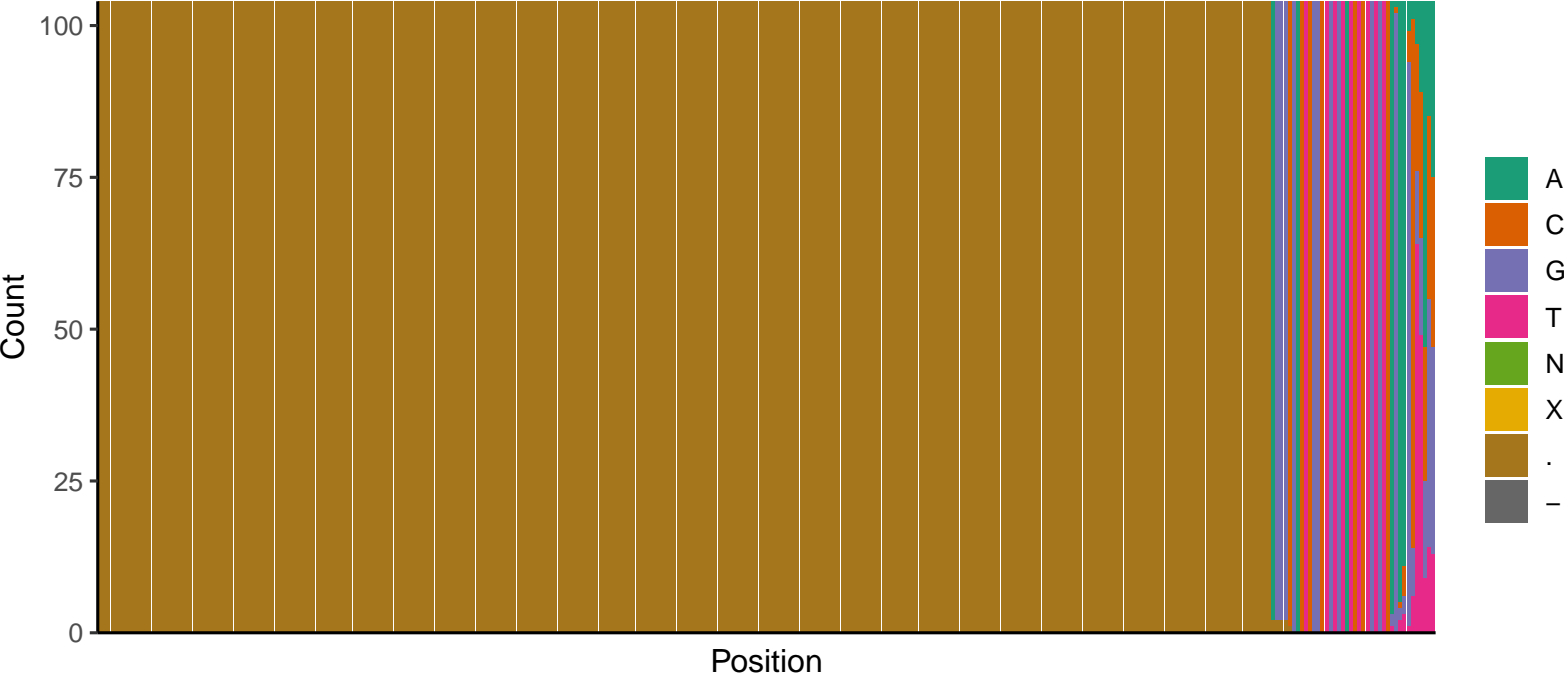
Gene TRBV7-7*ap01_C315T



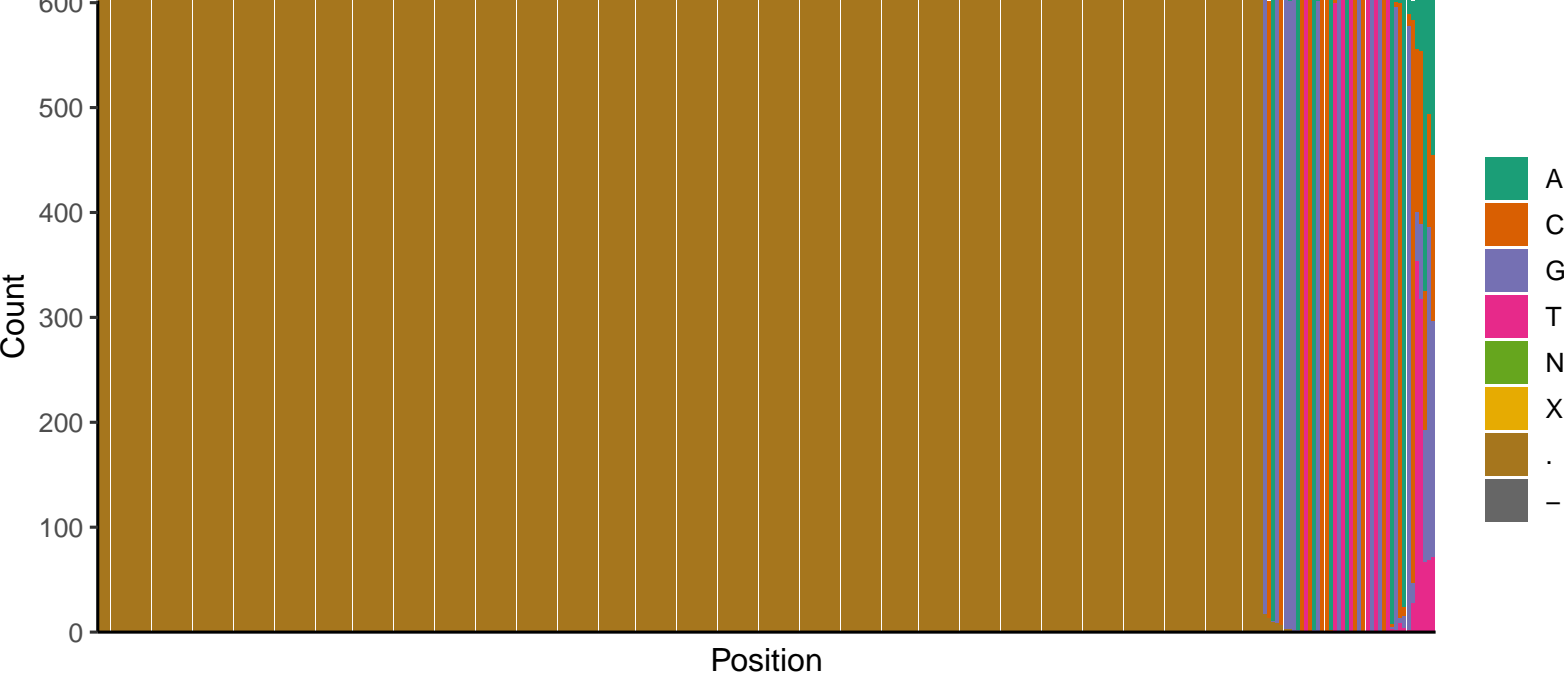
Gene TRBV7-1*ap01_G291C_T296C



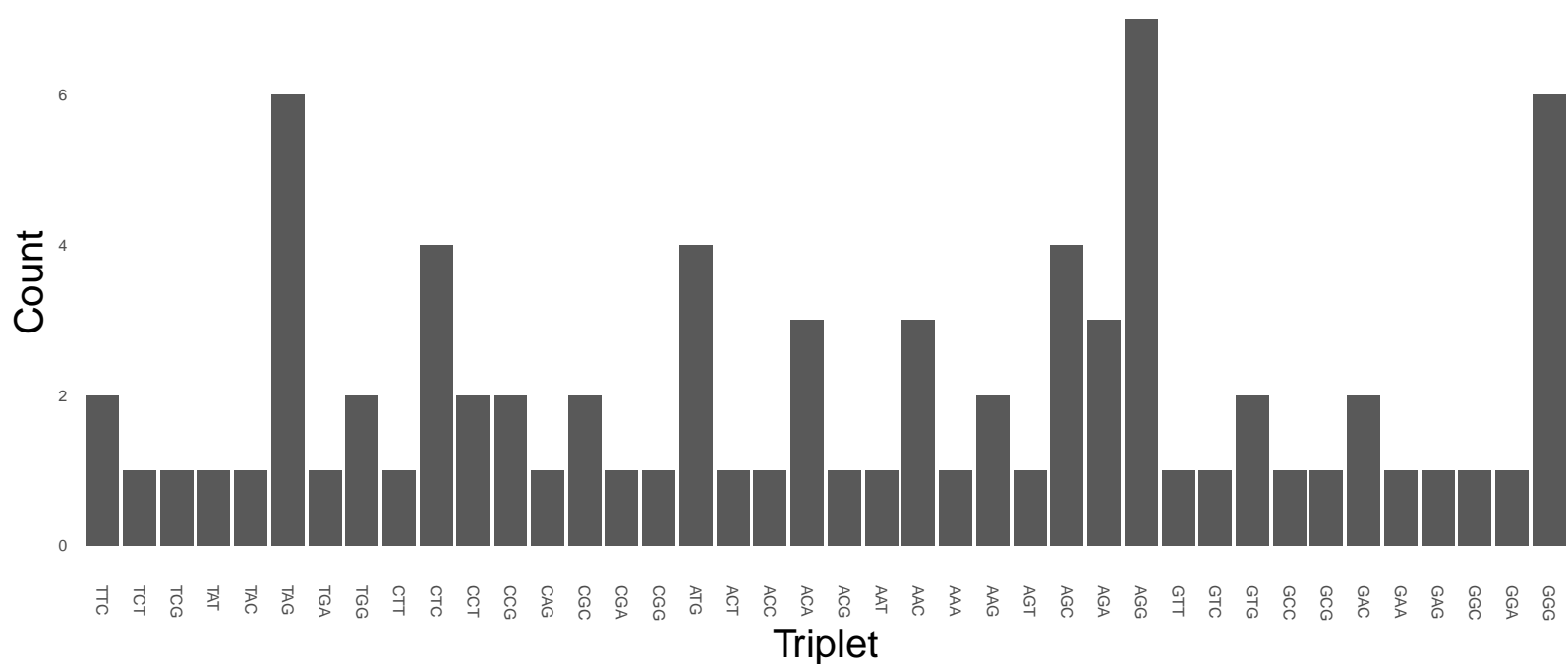
Gene TRBV7-1*ap01_G291C_T296C_C314T



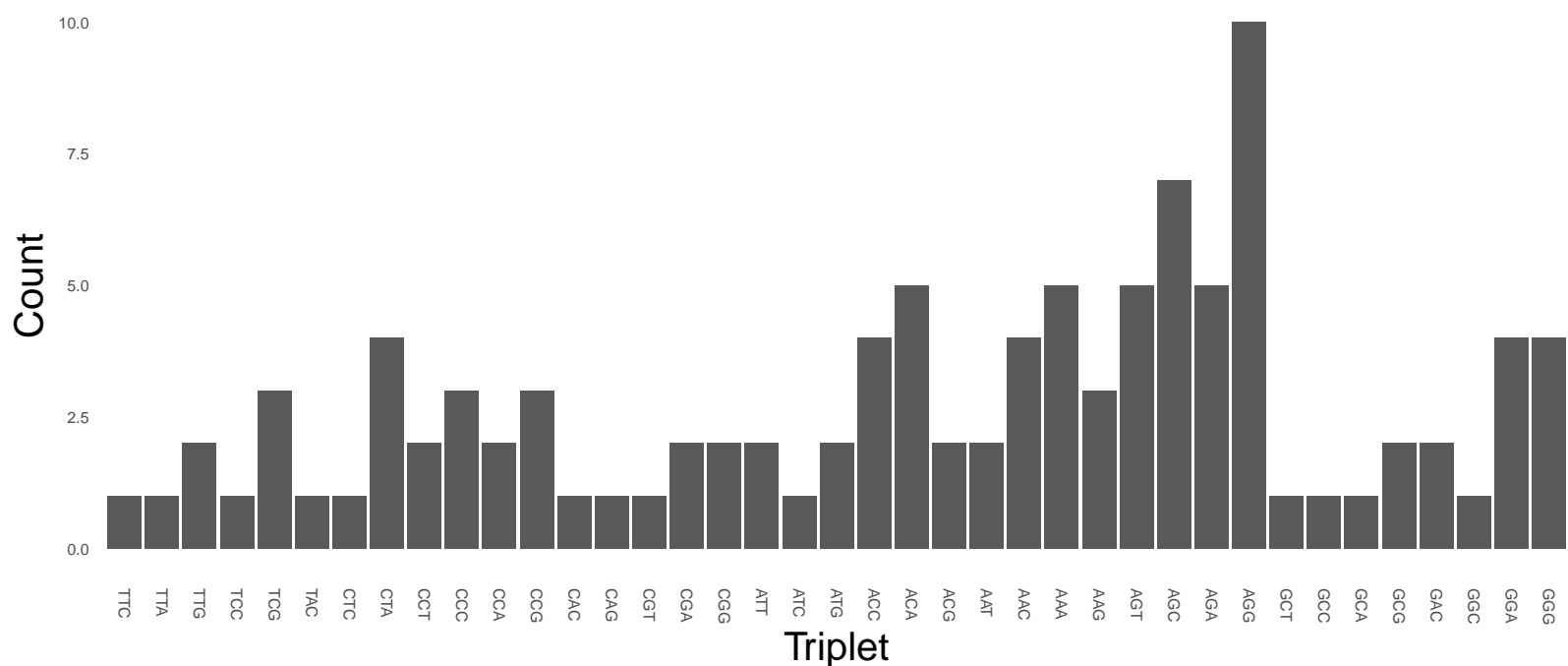
Gene TRBV7-7*ap01_C315T



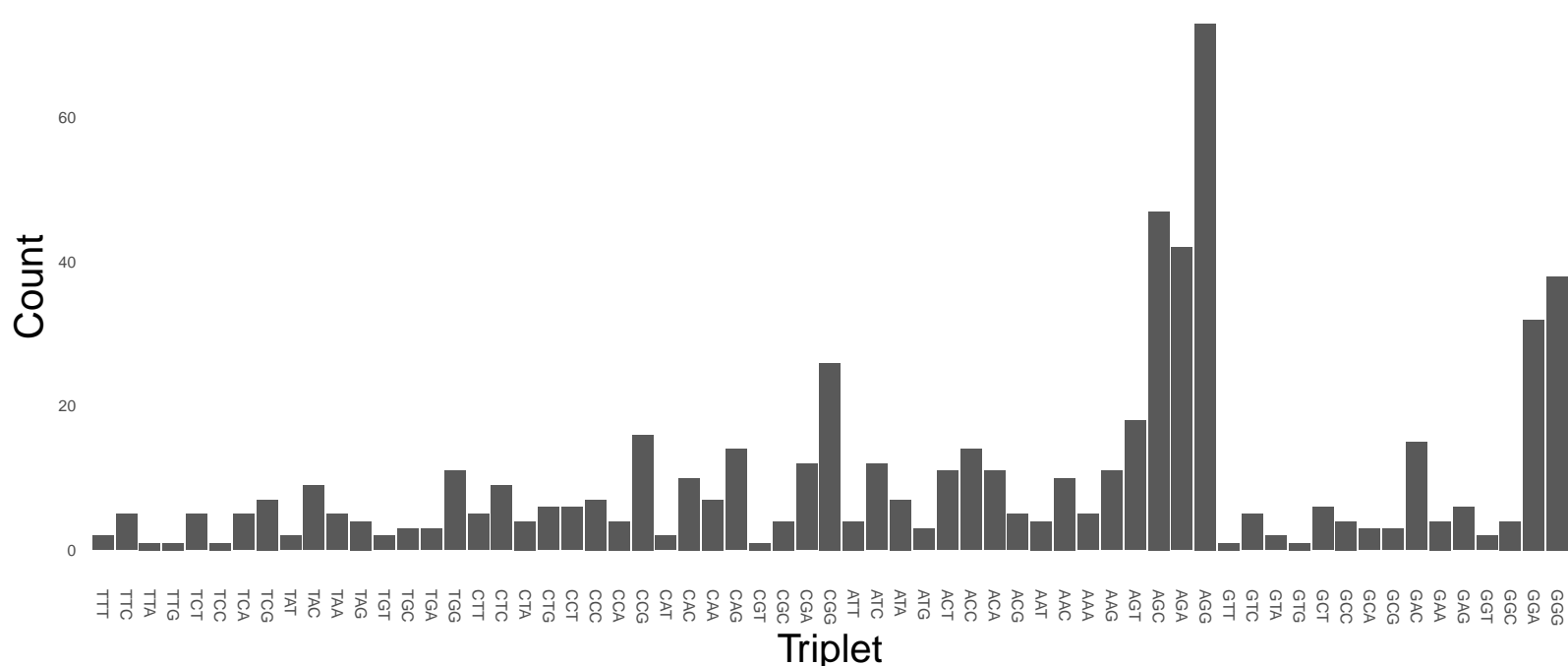
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



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

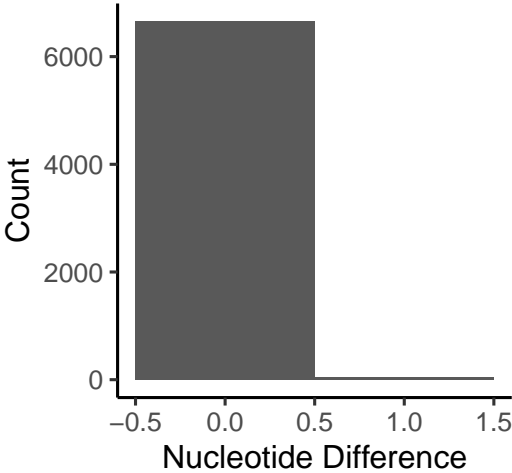


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



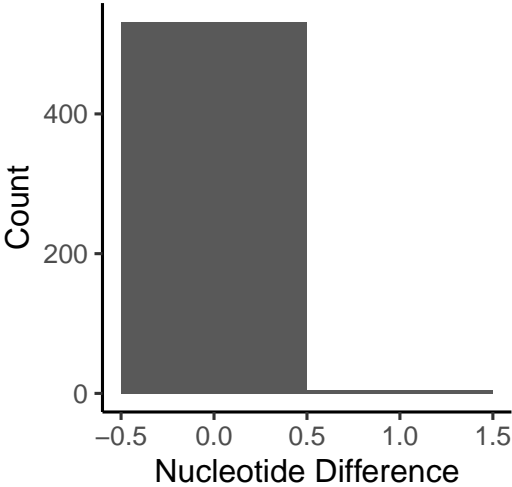
TRBV20–1*ap01

6703 sequences assigned
6654 (99.3%) exact matches, in which:
6589 unique CDR3
13 unique J



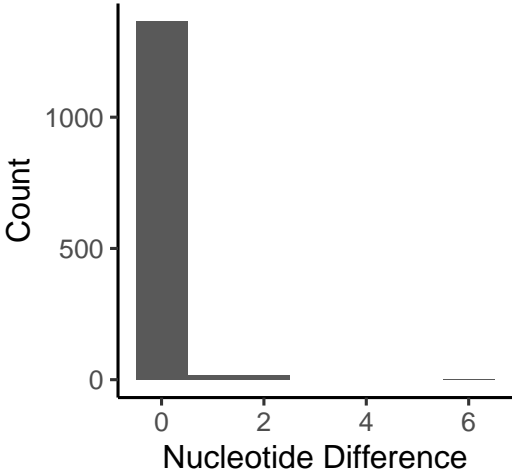
TRBV10–2*ap01

537 sequences assigned
532 (99.1%) exact matches, in which:
527 unique CDR3
13 unique J



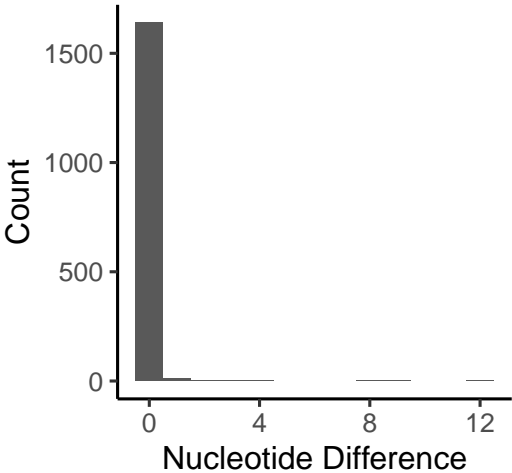
TRBV13*ap01

1399 sequences assigned
1365 (97.6%) exact matches, in which:
1339 unique CDR3
13 unique J



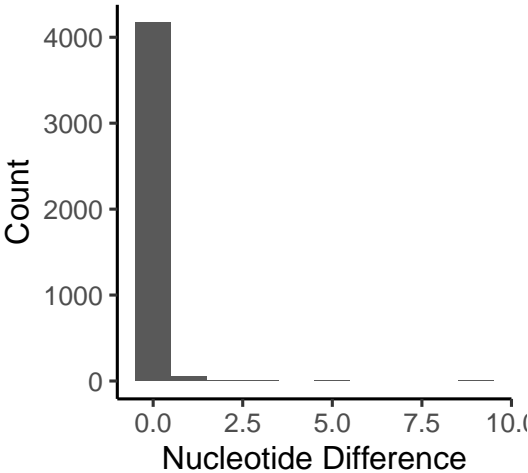
TRBV10–1*ap01

1660 sequences assigned
1640 (98.8%) exact matches, in which:
1611 unique CDR3
13 unique J



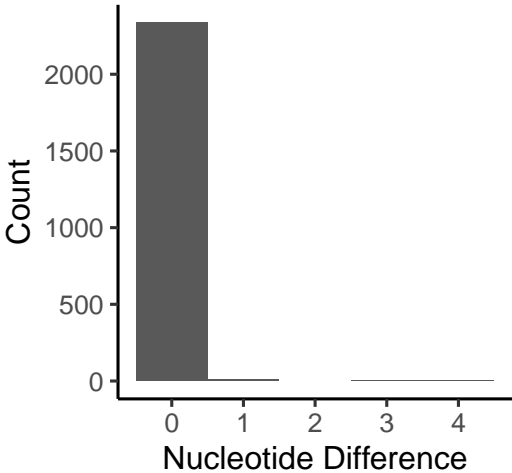
TRBV10–3*ap01

4233 sequences assigned
4169 (98.5%) exact matches, in which:
4120 unique CDR3
13 unique J



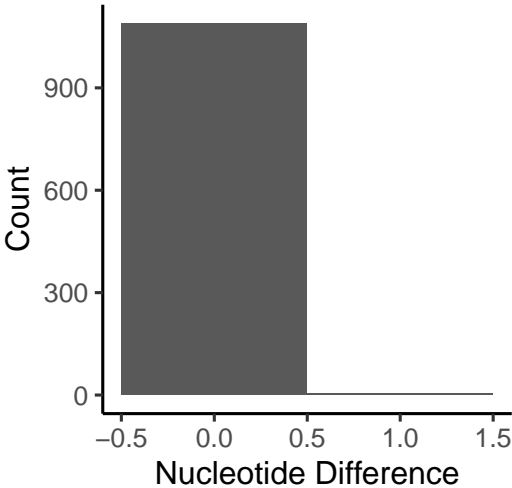
TRBV14*ap01

2347 sequences assigned
2336 (99.5%) exact matches, in which:
2315 unique CDR3
13 unique J



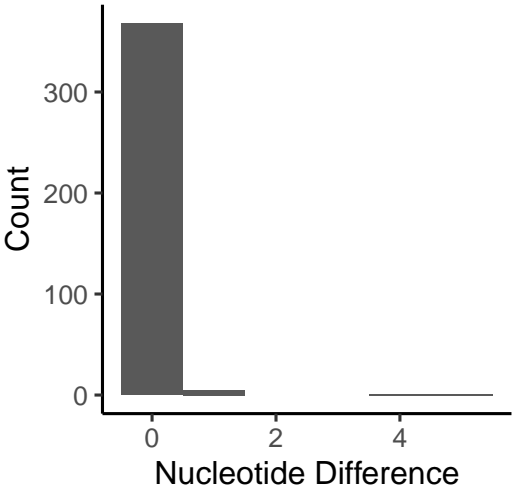
TRBV20–1*ap02

1094 sequences assigned
1089 (99.5%) exact matches, in which:
1080 unique CDR3
13 unique J



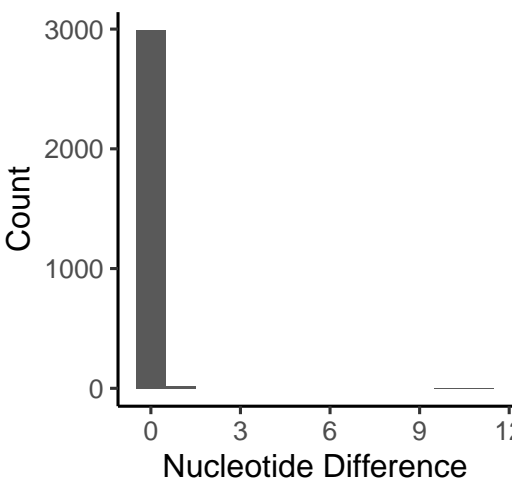
TRBV1*ap01

375 sequences assigned
368 (98.1%) exact matches, in which:
364 unique CDR3
13 unique J



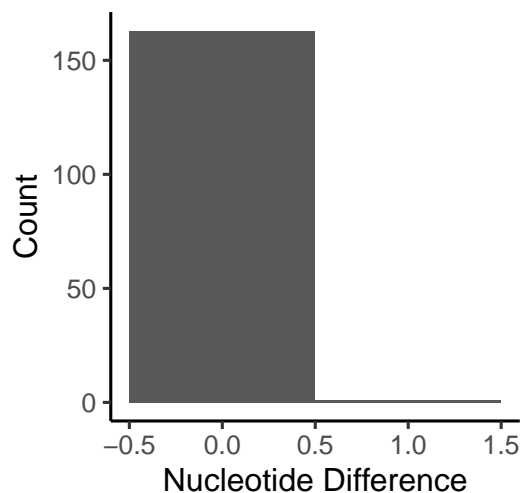
TRBV15*ap02

3014 sequences assigned
2992 (99.3%) exact matches, in which:
2942 unique CDR3
13 unique J



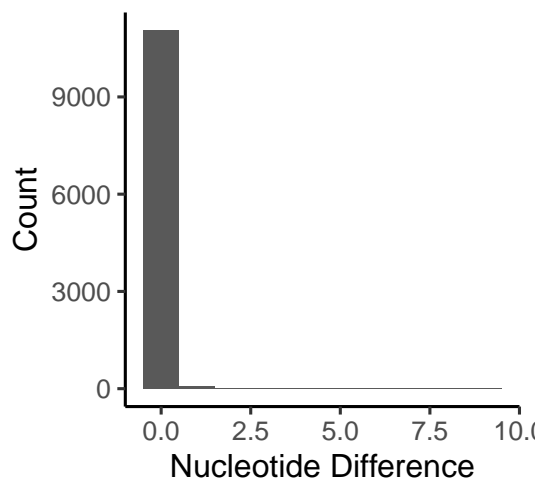
TRBV16*ap01

164 sequences assigned
163 (99.4%) exact matches, in which:
162 unique CDR3
13 unique J



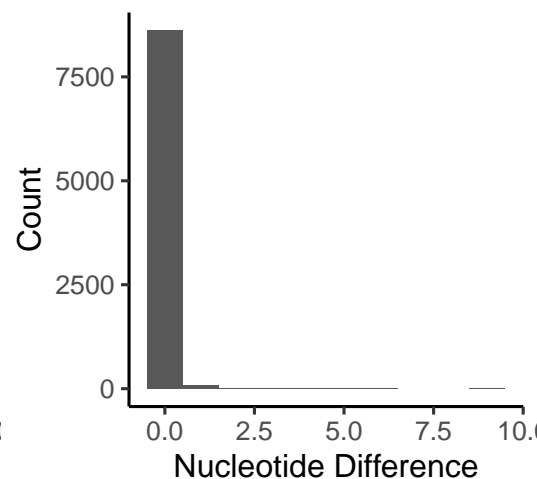
TRBV19*ap01

11152 sequences assigned
11052 (99.1%) exact matches, in which:
10975 unique CDR3
13 unique J



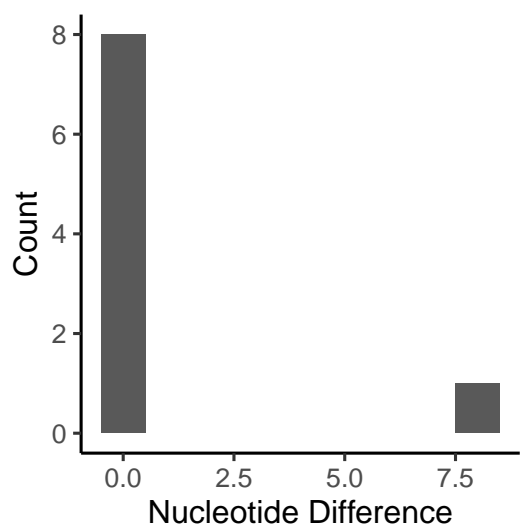
TRBV27*ap01

8723 sequences assigned
8617 (98.8%) exact matches, in which:
8506 unique CDR3
13 unique J



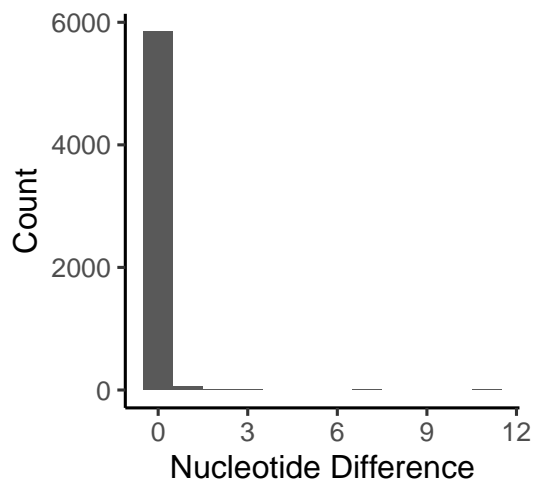
TRBV17*ap01

9 sequences assigned
8 (88.9%) exact matches, in which:
8 unique CDR3
6 unique J



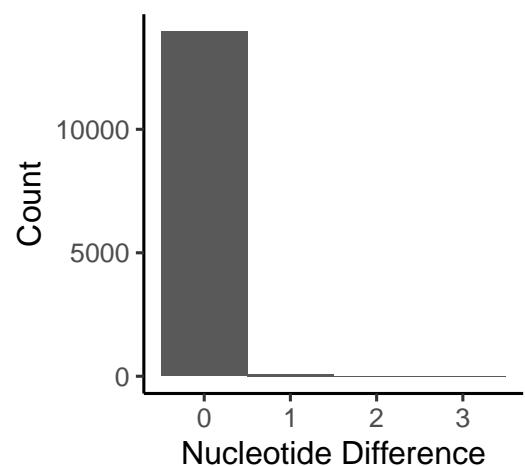
TRBV2*ap01

5912 sequences assigned
5846 (98.9%) exact matches, in which:
5758 unique CDR3
13 unique J



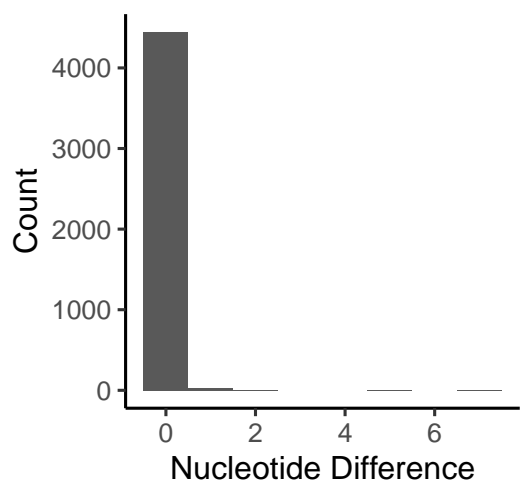
TRBV28*ap01

14051 sequences assigned
13963 (99.4%) exact matches, in which:
13790 unique CDR3
13 unique J



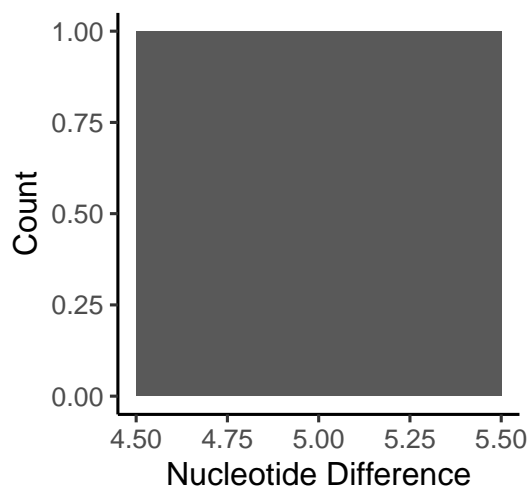
TRBV18*ap01

4474 sequences assigned
4445 (99.4%) exact matches, in which:
4421 unique CDR3
13 unique J



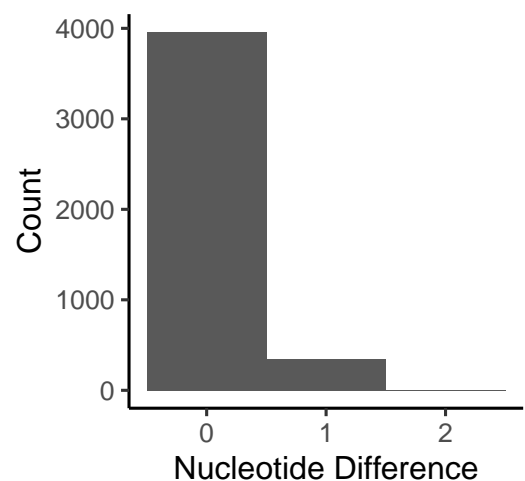
TRBV26*ap01

1 sequences assigned
No exact matches.



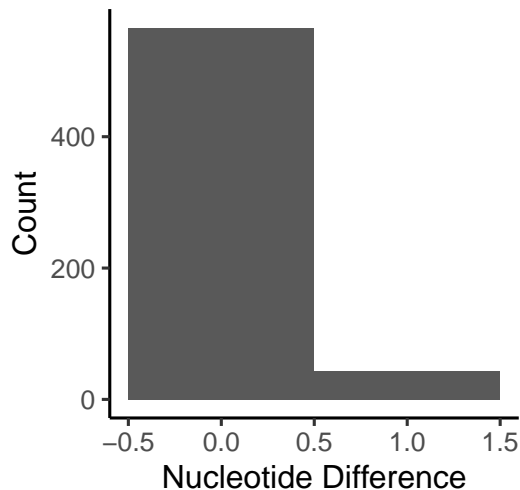
TRBV30*ap01

4308 sequences assigned
3959 (91.9%) exact matches, in which:
3863 unique CDR3
13 unique J



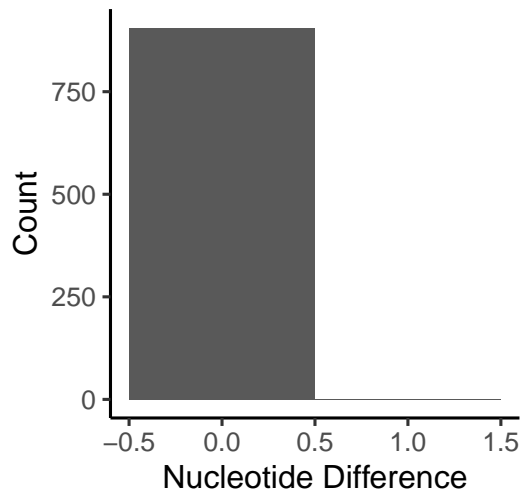
TRBV30*ap03

609 sequences assigned
566 (92.9%) exact matches, in which:
550 unique CDR3
13 unique J



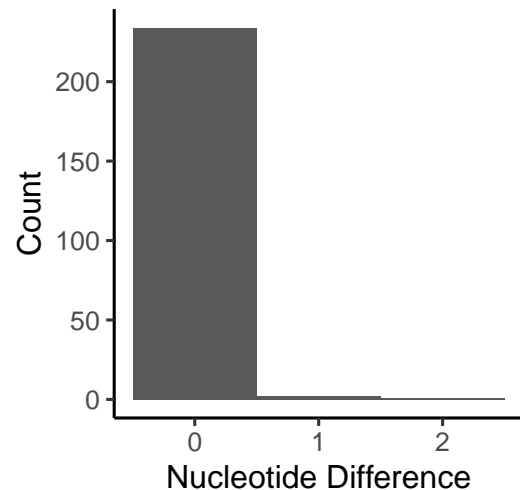
TRBV11-1*ap01

907 sequences assigned
906 (99.9%) exact matches, in which:
900 unique CDR3
13 unique J



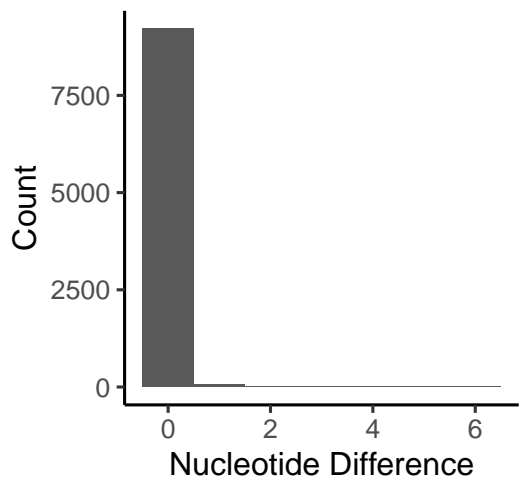
TRBV12-1*ap01

237 sequences assigned
234 (98.7%) exact matches, in which:
232 unique CDR3
13 unique J



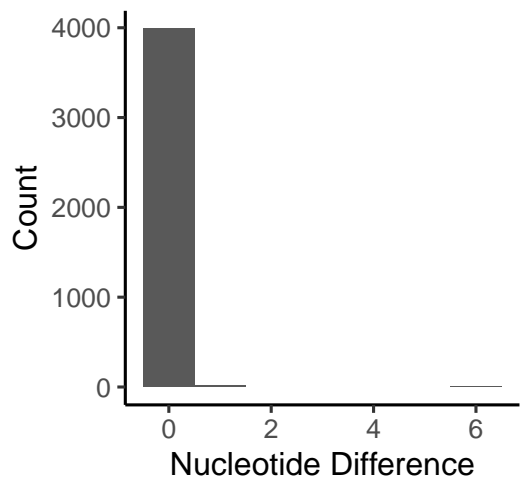
TRBV9*ap01

9292 sequences assigned
9215 (99.2%) exact matches, in which:
9129 unique CDR3
13 unique J



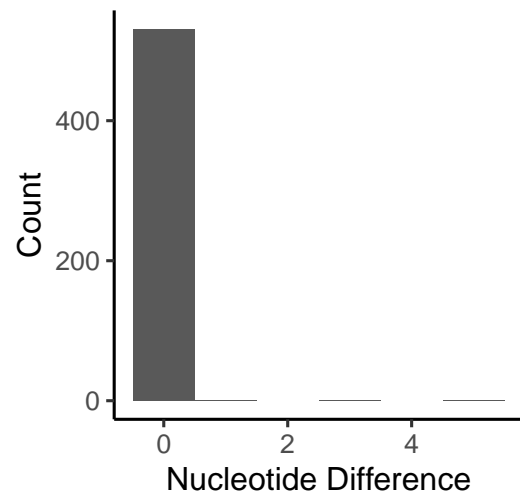
TRBV11-2*ap01

4008 sequences assigned
3989 (99.5%) exact matches, in which:
3958 unique CDR3
13 unique J



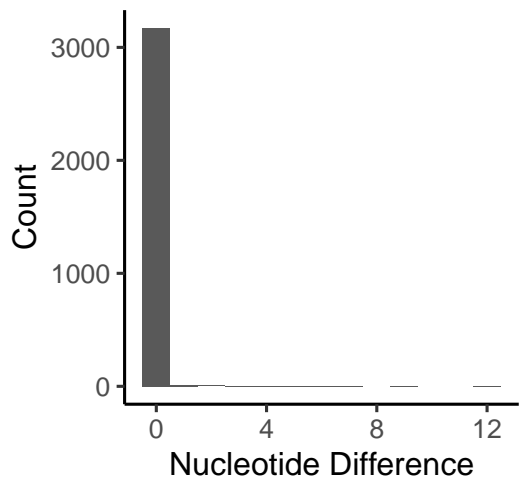
TRBV12-2*ap01

534 sequences assigned
531 (99.4%) exact matches, in which:
526 unique CDR3
13 unique J



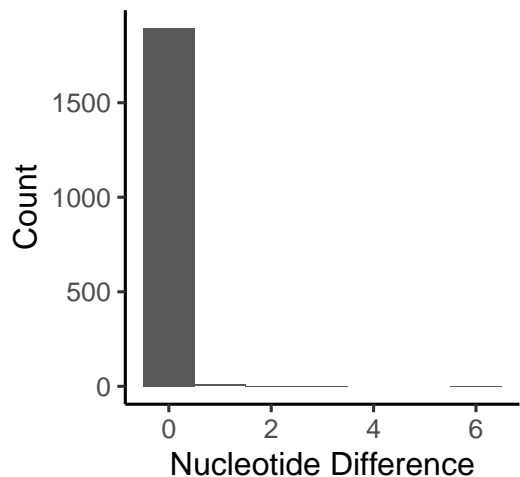
TRBV21-1*ap01

3201 sequences assigned
3171 (99.1%) exact matches, in which:
3154 unique CDR3
13 unique J



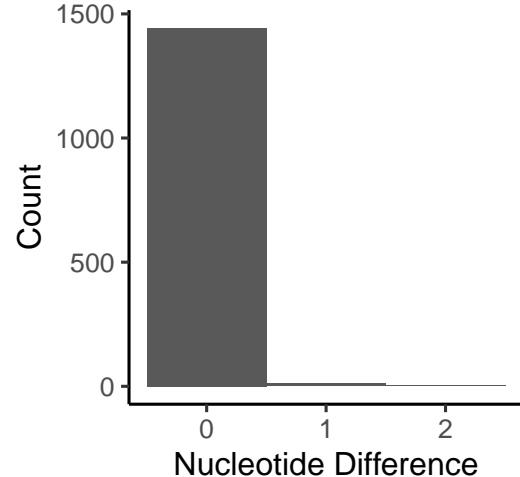
TRBV11-3*ap01

1909 sequences assigned
1895 (99.3%) exact matches, in which:
1882 unique CDR3
13 unique J



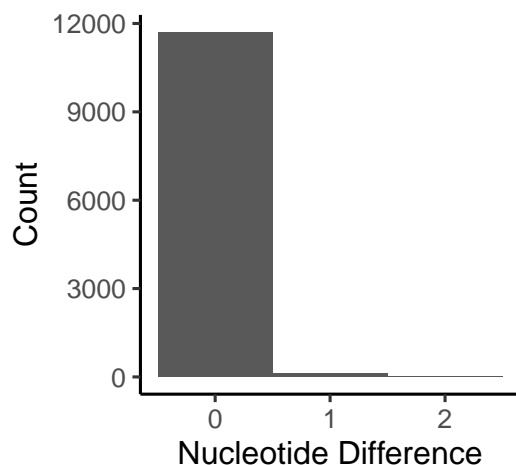
TRBV12-5*ap01

1457 sequences assigned
1443 (99%) exact matches, in which:
1424 unique CDR3
13 unique J



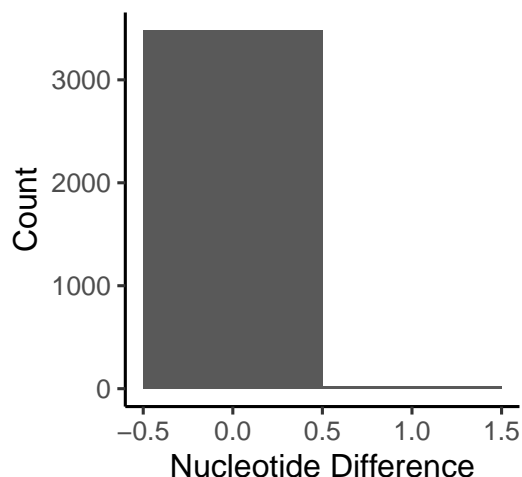
TRBV12–34*ap01

11827 sequences assigned
11706 (99%) exact matches, in which:
11546 unique CDR3
13 unique J



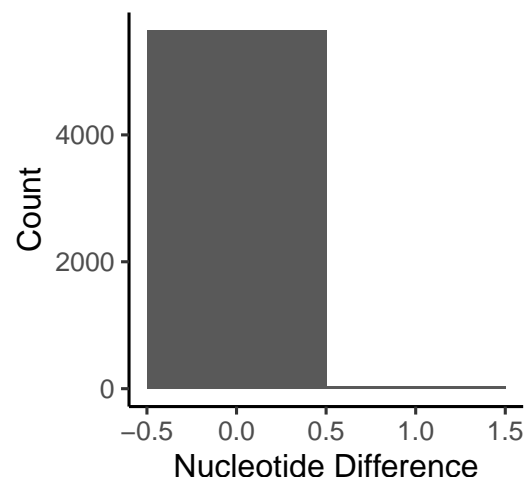
TRBV4–1*ap01

3502 sequences assigned
3480 (99.4%) exact matches, in which:
3414 unique CDR3
13 unique J



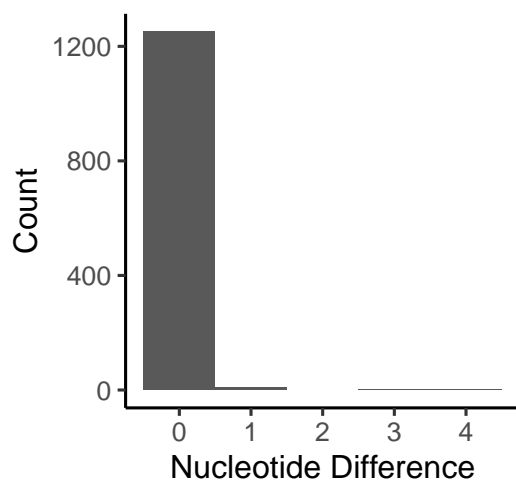
TRBV4–3*ap01

5686 sequences assigned
5647 (99.3%) exact matches, in which:
5526 unique CDR3
13 unique J



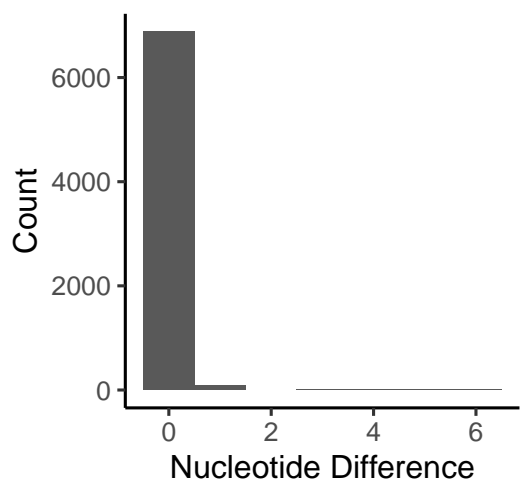
TRBV23–1*ap01

1263 sequences assigned
1251 (99%) exact matches, in which:
1240 unique CDR3
13 unique J



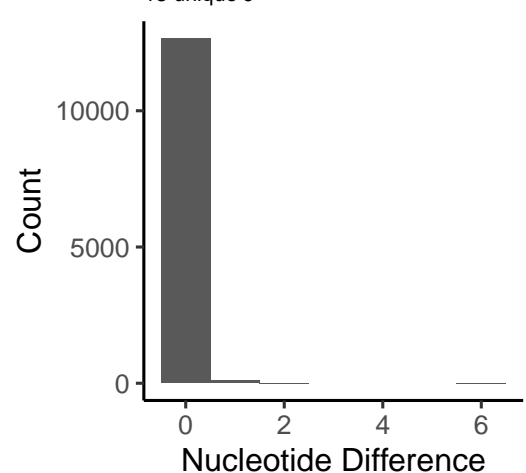
TRBV24–1*ap01

6975 sequences assigned
6880 (98.6%) exact matches, in which:
6761 unique CDR3
13 unique J



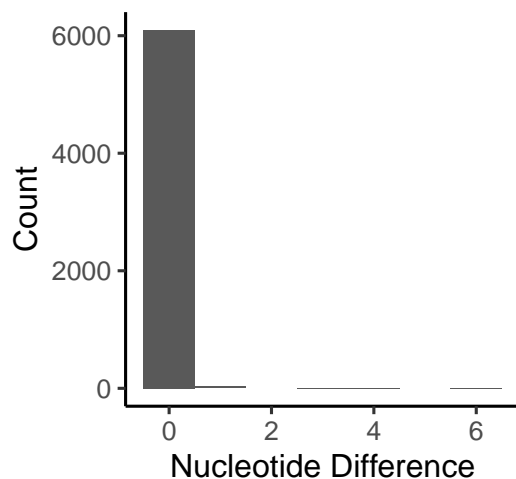
TRBV5–1*ap01

12757 sequences assigned
12653 (99.2%) exact matches, in which:
12392 unique CDR3
13 unique J



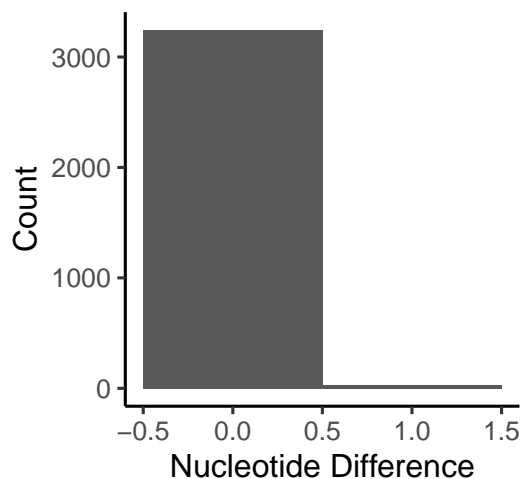
TRBV3–12*ap01

6129 sequences assigned
6096 (99.5%) exact matches, in which:
6049 unique CDR3
13 unique J



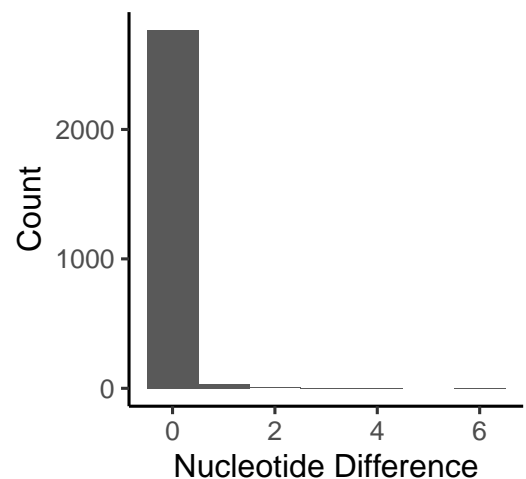
TRBV4–2*ap01

3272 sequences assigned
3244 (99.1%) exact matches, in which:
3191 unique CDR3
13 unique J



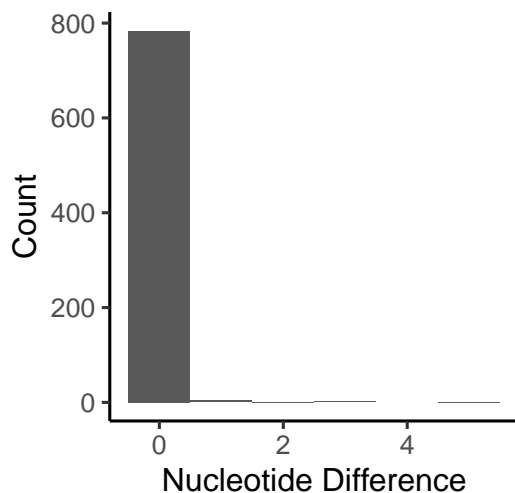
TRBV25–1*ap01

2808 sequences assigned
2768 (98.6%) exact matches, in which:
2704 unique CDR3
13 unique J



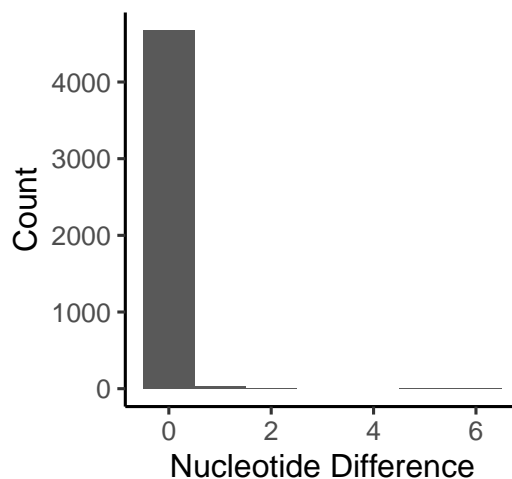
TRBV5-3*ap01

792 sequences assigned
784 (99%) exact matches, in which:
774 unique CDR3
13 unique J



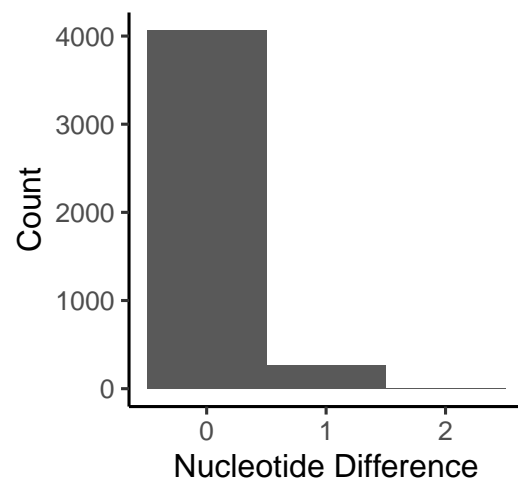
TRBV5-6*ap01

4715 sequences assigned
4673 (99.1%) exact matches, in which:
4567 unique CDR3
13 unique J



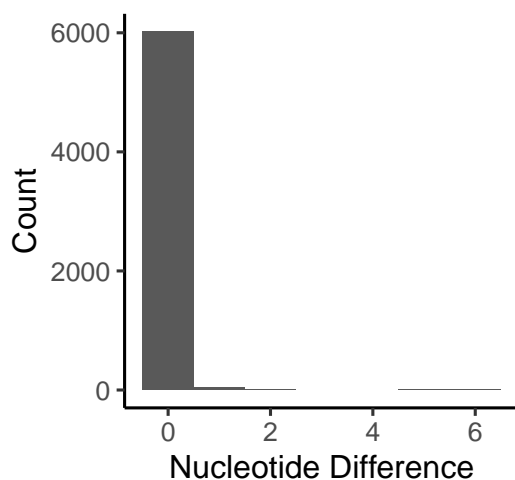
TRBV6-1*ap01

4338 sequences assigned
4064 (93.7%) exact matches, in which:
3998 unique CDR3
13 unique J



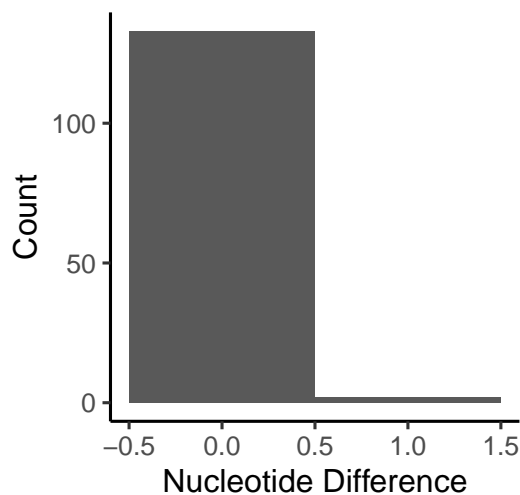
TRBV5-4*ap01

6069 sequences assigned
6018 (99.2%) exact matches, in which:
5908 unique CDR3
13 unique J



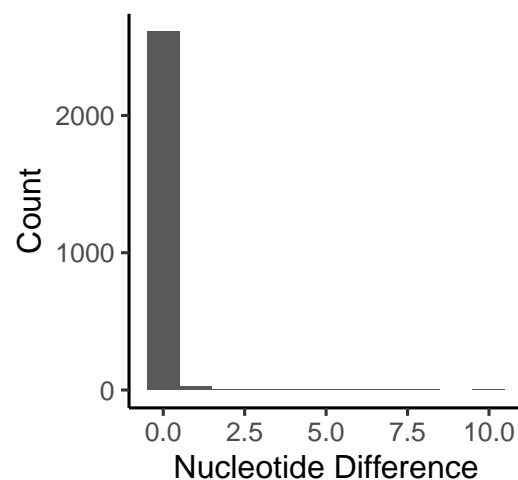
TRBV5-7*ap01

135 sequences assigned
133 (98.5%) exact matches, in which:
131 unique CDR3
13 unique J



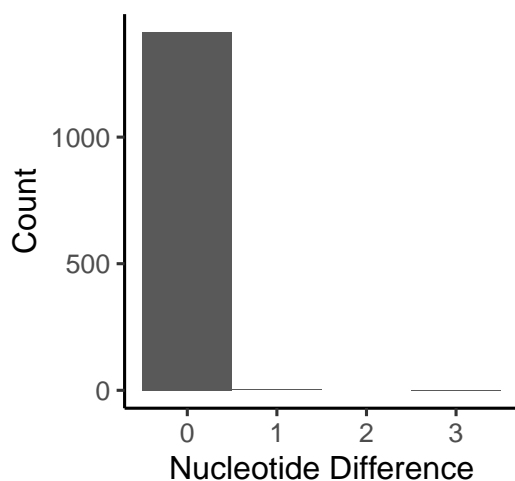
TRBV6-4*ap01

2646 sequences assigned
2610 (98.6%) exact matches, in which:
2582 unique CDR3
13 unique J



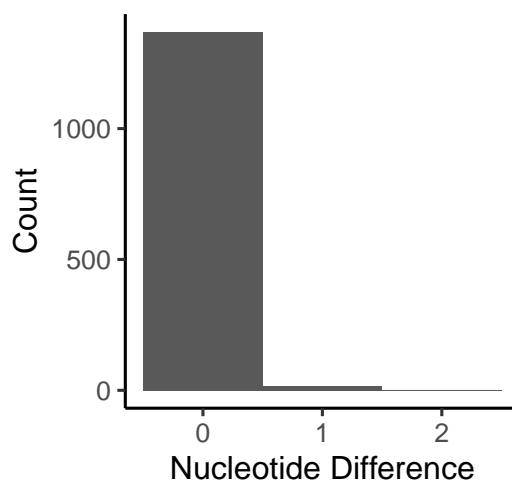
TRBV5-5*ap01

1419 sequences assigned
1415 (99.7%) exact matches, in which:
1406 unique CDR3
13 unique J



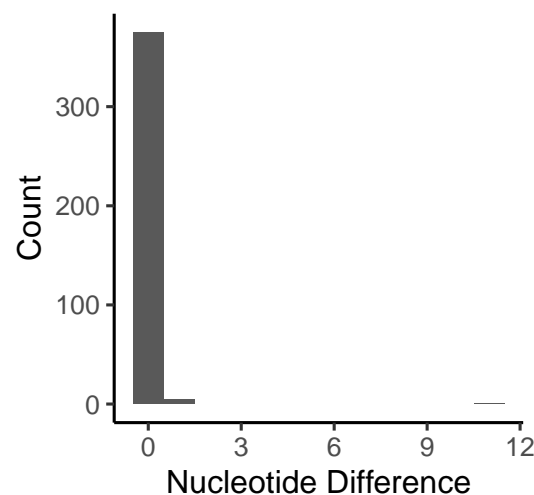
TRBV5-8*ap01

1386 sequences assigned
1369 (98.8%) exact matches, in which:
1358 unique CDR3
13 unique J



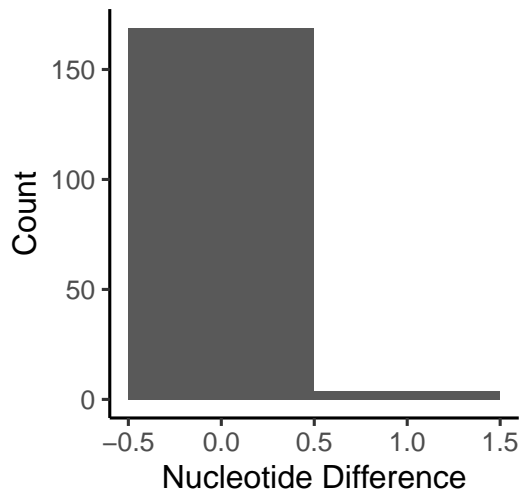
TRBV6-7*ap01

381 sequences assigned
375 (98.4%) exact matches, in which:
369 unique CDR3
13 unique J



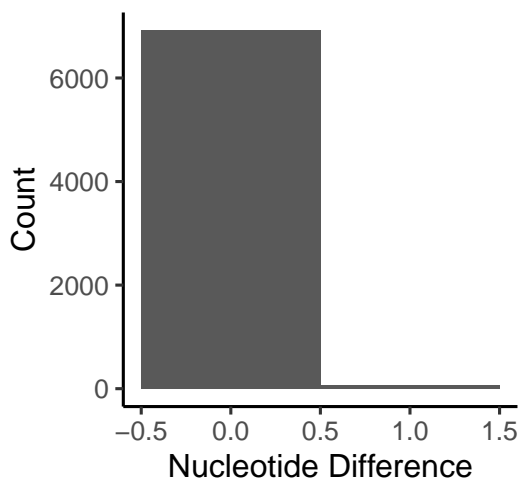
TRBV6–8*ap01

173 sequences assigned
169 (97.7%) exact matches, in which:
163 unique CDR3
13 unique J



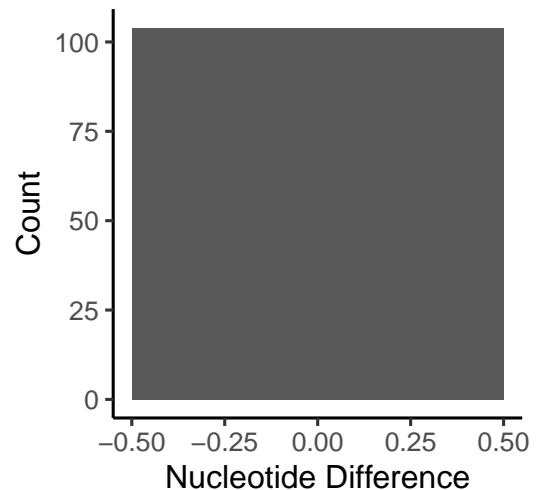
TRBV6–56*ap01

6993 sequences assigned
6919 (98.9%) exact matches, in which:
6771 unique CDR3
13 unique J



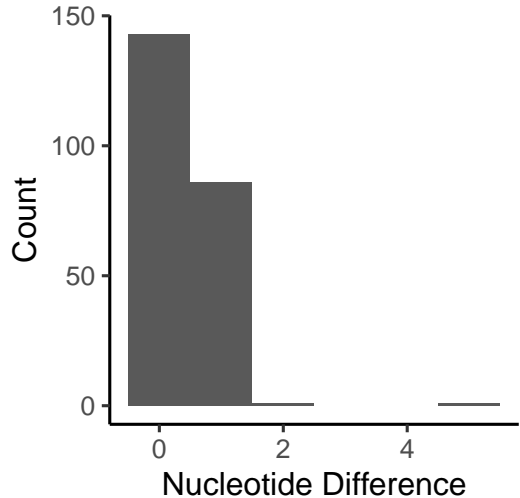
TRBV7–1*ap01_G291C_T

104 sequences assigned
104 (100%) exact matches, in which:
104 unique CDR3
12 unique J



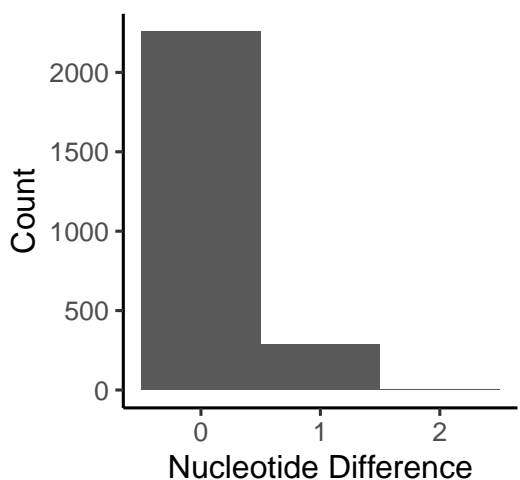
TRBV6–9*ap01

231 sequences assigned
143 (61.9%) exact matches, in which:
136 unique CDR3
13 unique J



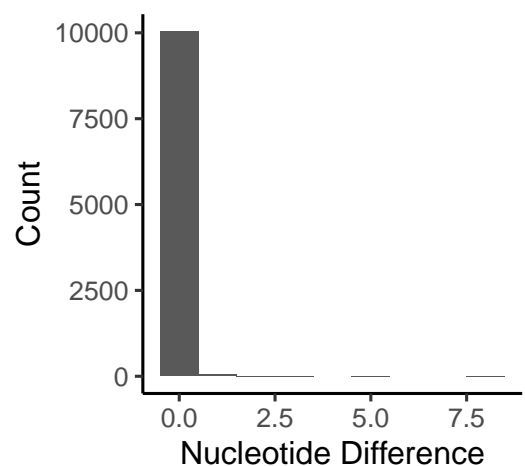
TRBV6–56*ap02

2548 sequences assigned
2256 (88.5%) exact matches, in which:
2203 unique CDR3
13 unique J



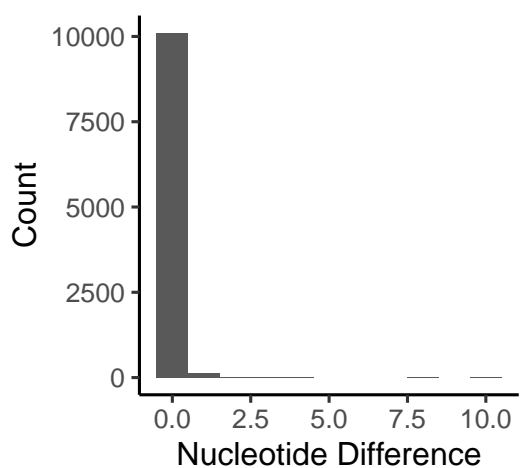
TRBV7–2*ap01

10092 sequences assigned
10039 (99.5%) exact matches, in which:
9935 unique CDR3
13 unique J



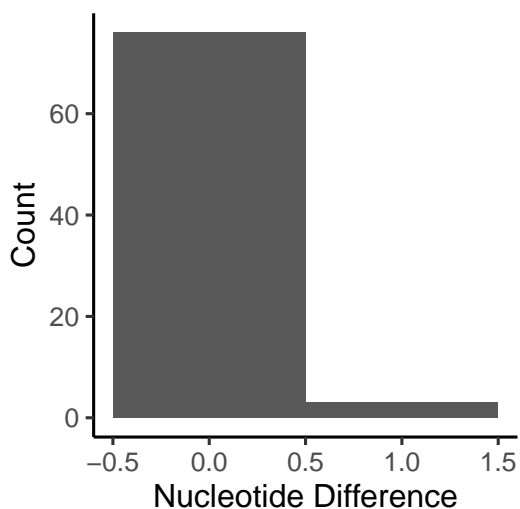
TRBV6–23*ap01

10253 sequences assigned
10107 (98.6%) exact matches, in which:
9853 unique CDR3
13 unique J



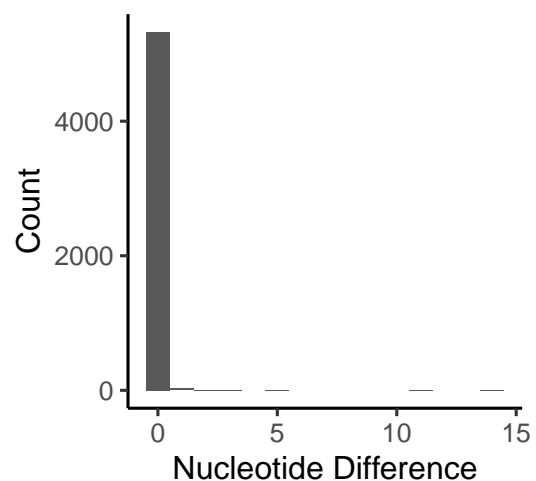
TRBV7–1*ap01_G291C_T

79 sequences assigned
76 (96.2%) exact matches, in which:
76 unique CDR3
11 unique J



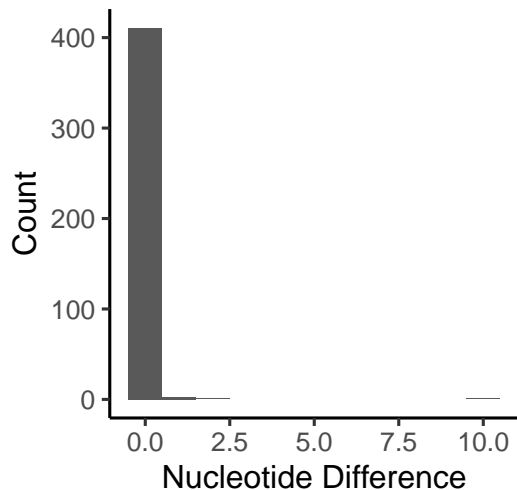
TRBV7–3*ap01

5359 sequences assigned
5325 (99.4%) exact matches, in which:
5279 unique CDR3
13 unique J



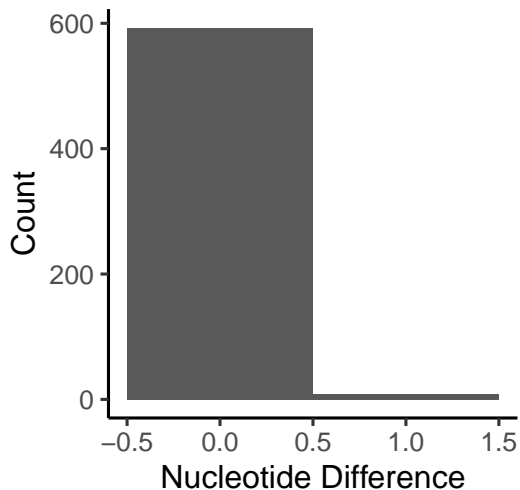
TRBV7-4*ap01

416 sequences assigned
411 (98.8%) exact matches, in which:
407 unique CDR3
13 unique J



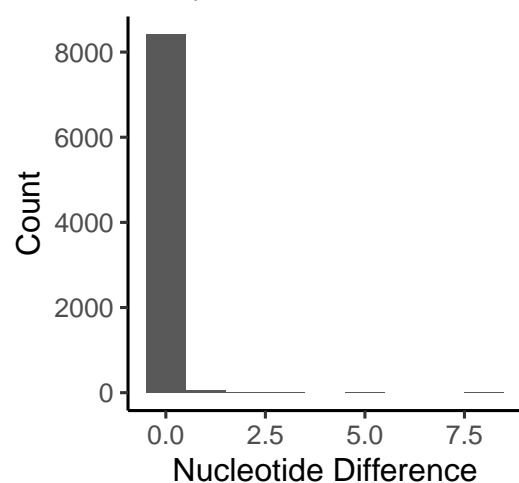
TRBV7-7*ap01_C315T

602 sequences assigned
593 (98.5%) exact matches, in which:
586 unique CDR3
13 unique J



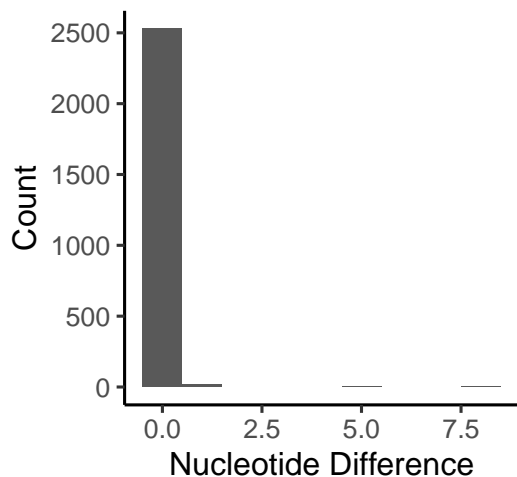
TRBV7-9*ap01

8473 sequences assigned
8415 (99.3%) exact matches, in which:
8300 unique CDR3
13 unique J



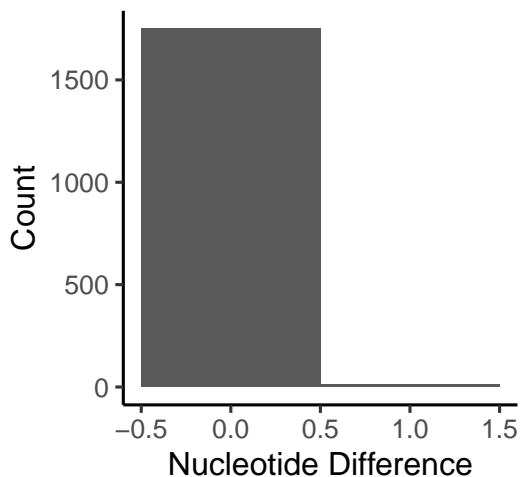
TRBV7-6*ap01

2549 sequences assigned
2529 (99.2%) exact matches, in which:
2481 unique CDR3
13 unique J



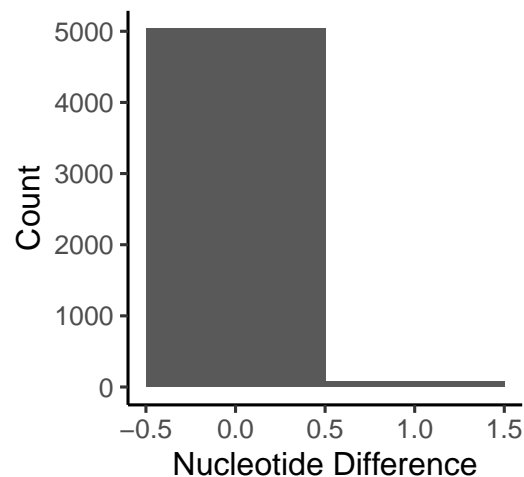
TRBV7-8*ap01

1764 sequences assigned
1750 (99.2%) exact matches, in which:
1727 unique CDR3
13 unique J



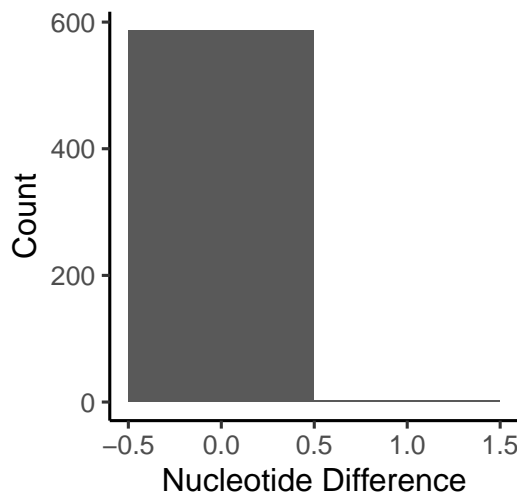
TRBV29-1*ap01

5113 sequences assigned
5036 (98.5%) exact matches, in which:
4890 unique CDR3
13 unique J



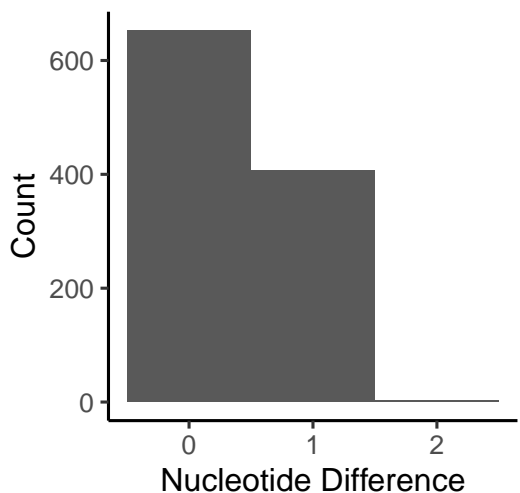
TRBV7-7*ap01

590 sequences assigned
587 (99.5%) exact matches, in which:
579 unique CDR3
13 unique J



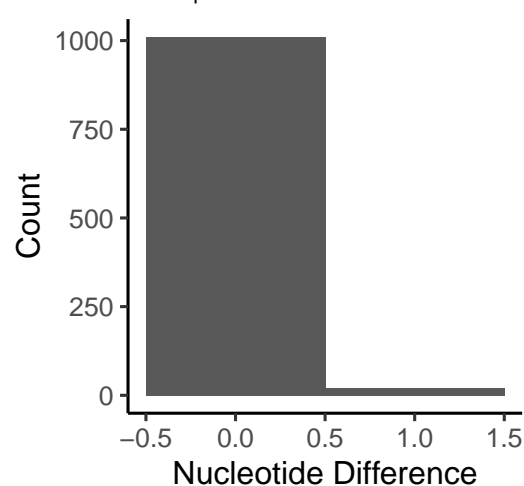
TRBV7-8*ap03

1061 sequences assigned
653 (61.5%) exact matches, in which:
644 unique CDR3
13 unique J

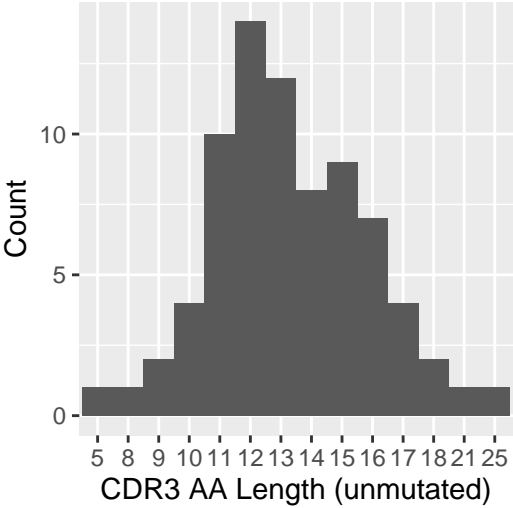


TRBV29-1*ap02

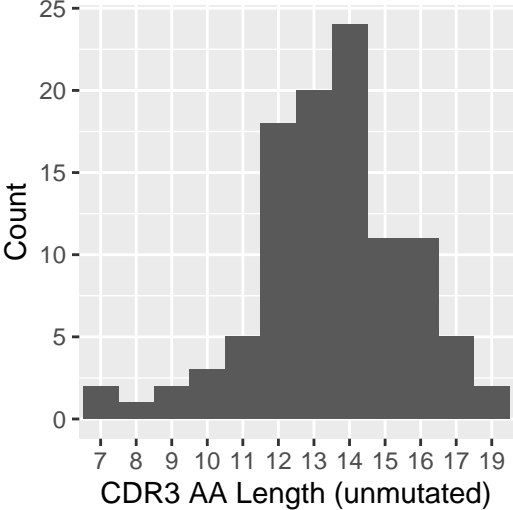
1030 sequences assigned
1010 (98.1%) exact matches, in which:
984 unique CDR3
13 unique J



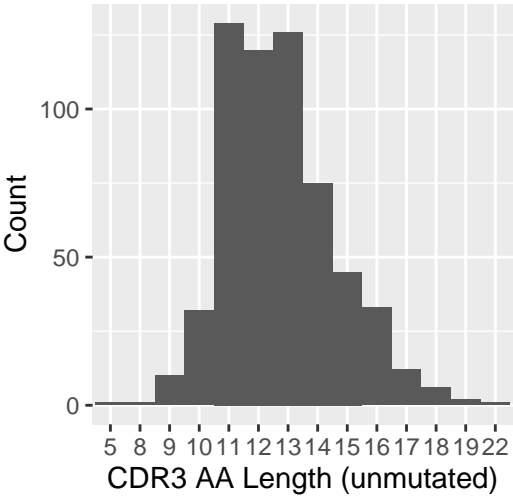
TRBV7-1*ap01_G291C_T296C



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-7*ap01_C315T





[illegible]