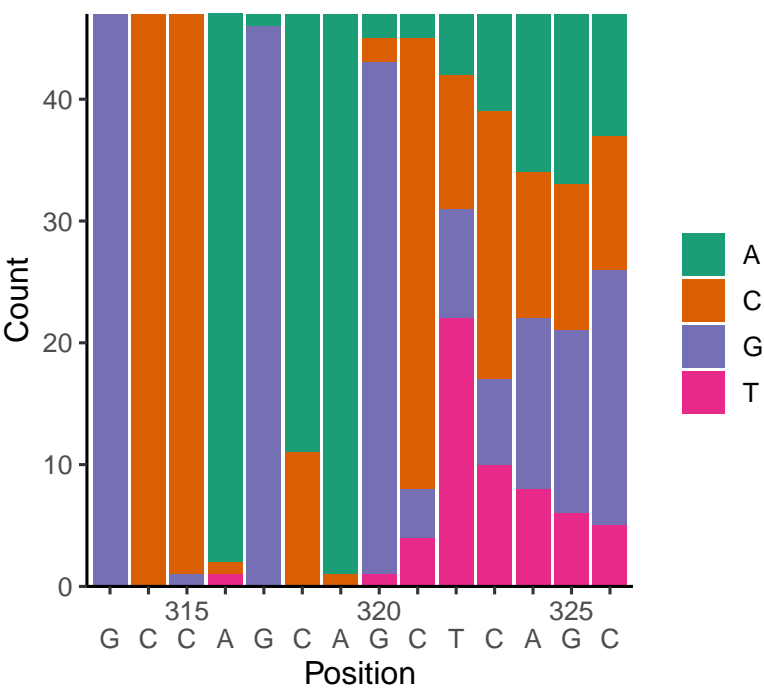
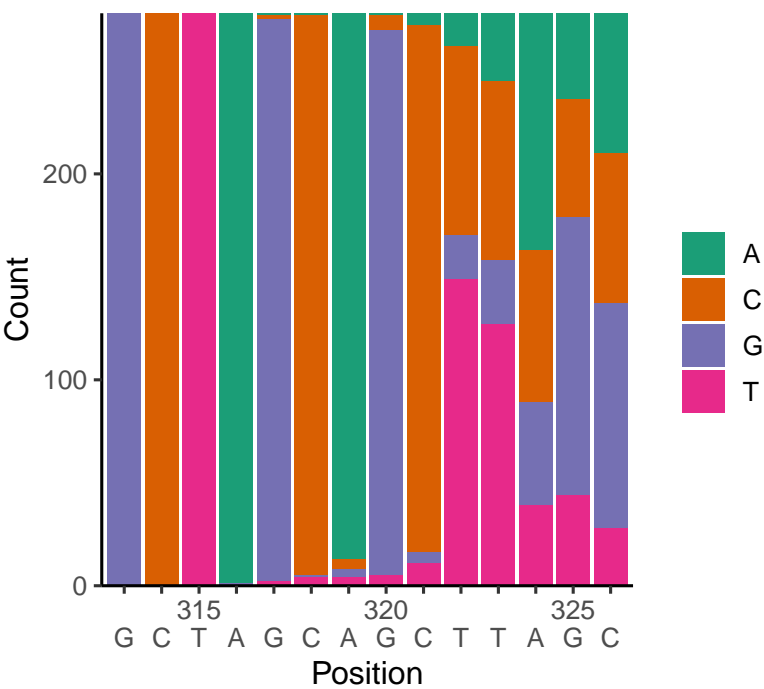


Gene TRBV7-1*ap01_T296C



Gene TRBV7-7*ap01_C315T



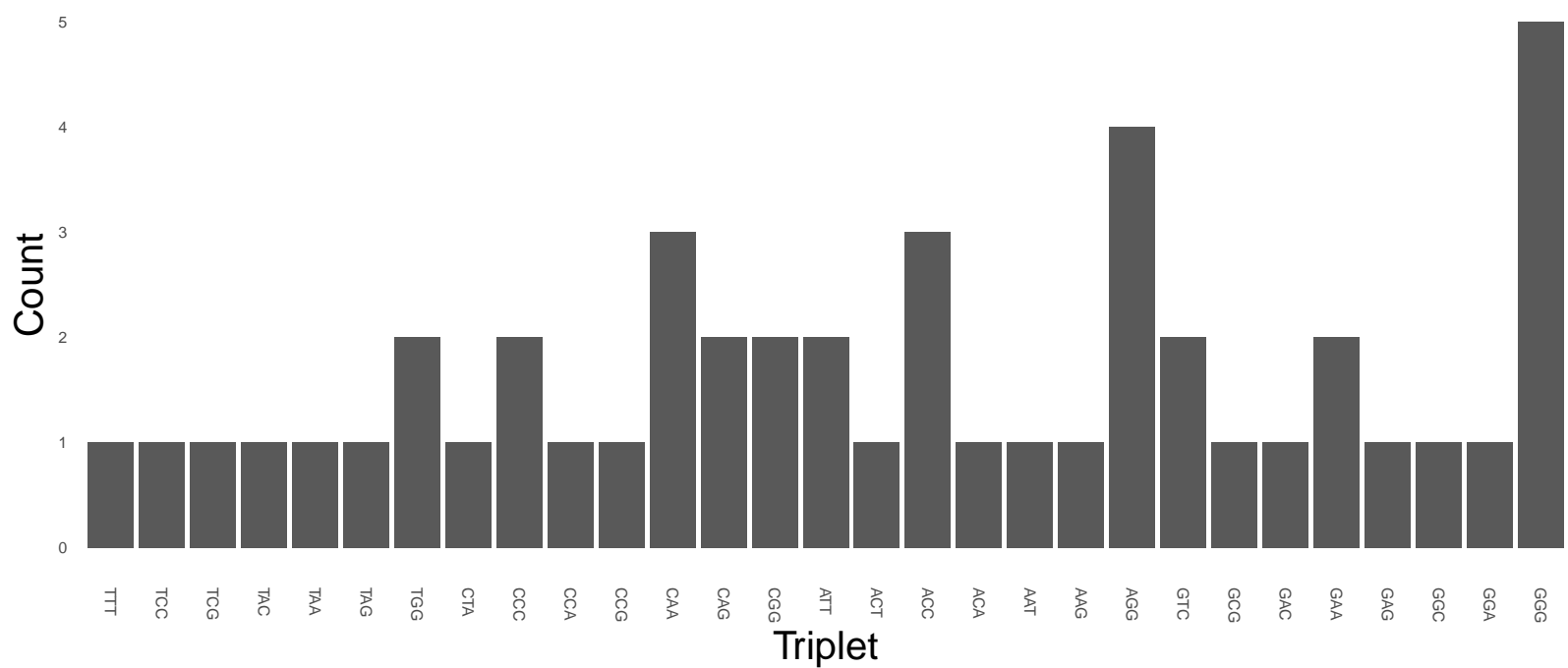
Gene TRBV7-1*ap01_T296C



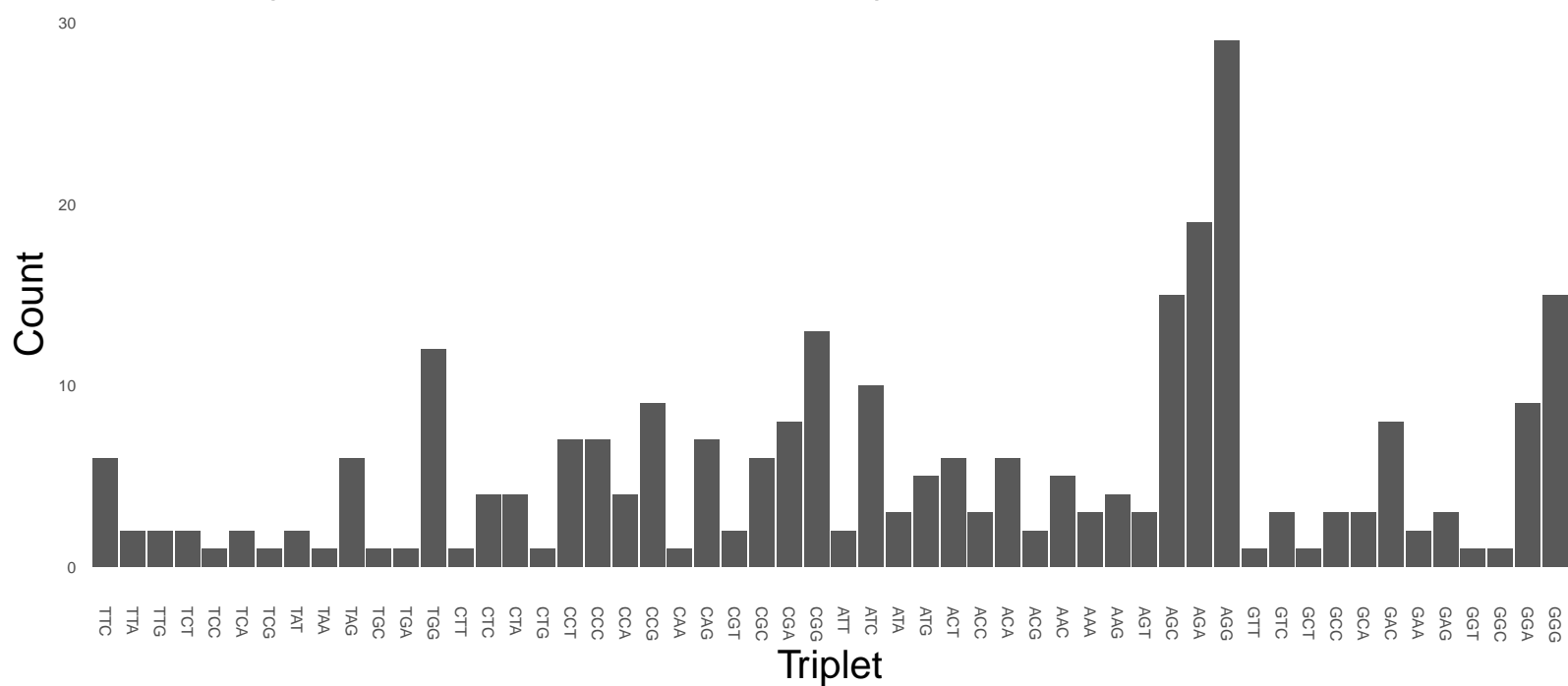
Gene TRBV7-7*ap01_C315T



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

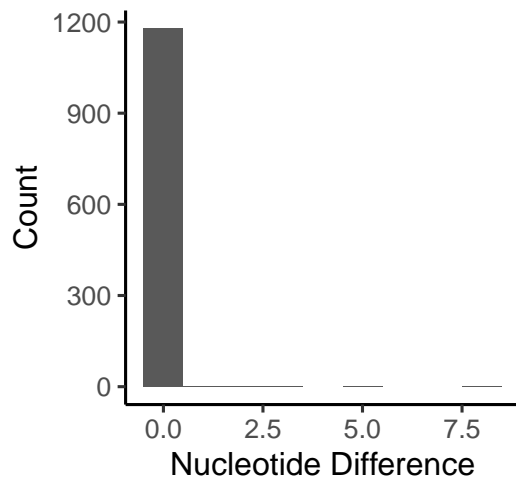


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



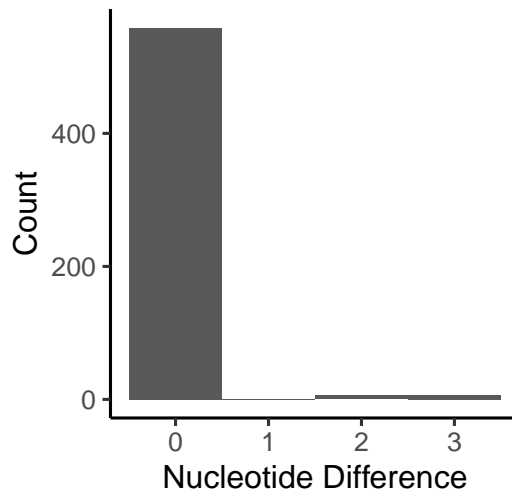
TRBV10-1*ap01

1187 sequences assigned
1179 (99.3%) exact matches, in which:
1169 unique CDR3
13 unique J



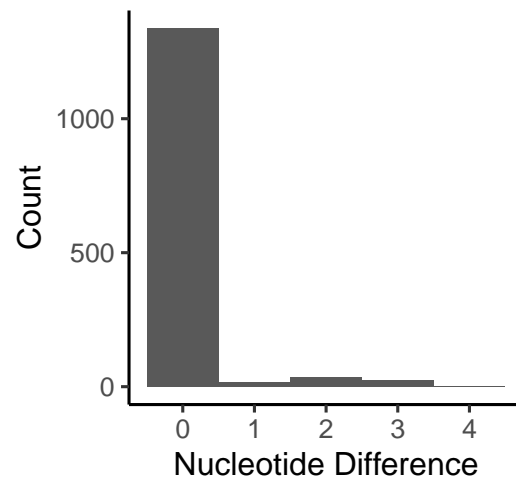
TRBV10-2*ap01

573 sequences assigned
559 (97.6%) exact matches, in which:
556 unique CDR3
13 unique J



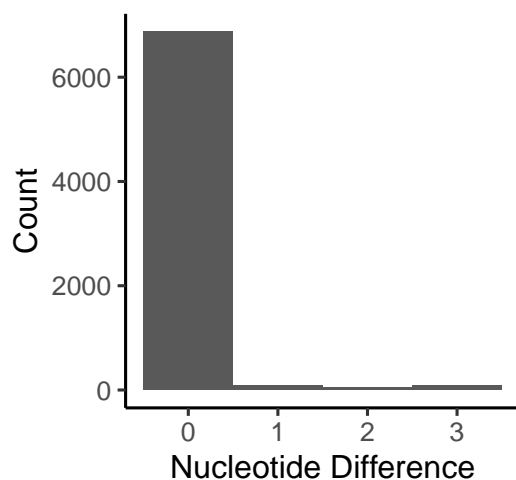
TRBV13*ap01

1419 sequences assigned
1337 (94.2%) exact matches, in which:
1313 unique CDR3
13 unique J



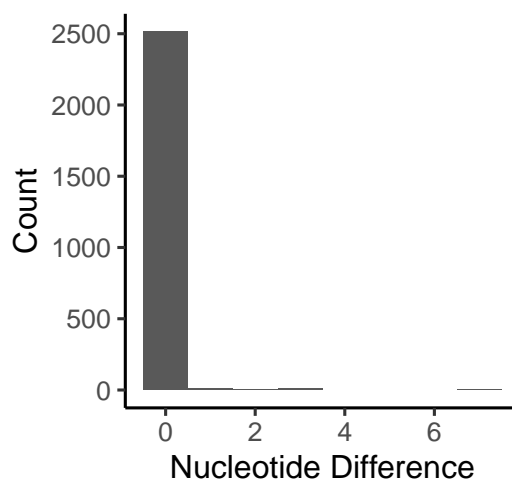
TRBV20-1*ap01

7082 sequences assigned
6872 (97%) exact matches, in which:
6743 unique CDR3
13 unique J



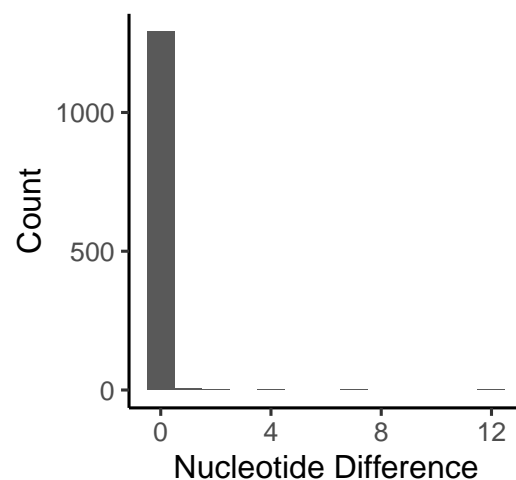
TRBV10-3*ap01

2544 sequences assigned
2514 (98.8%) exact matches, in which:
2499 unique CDR3
13 unique J



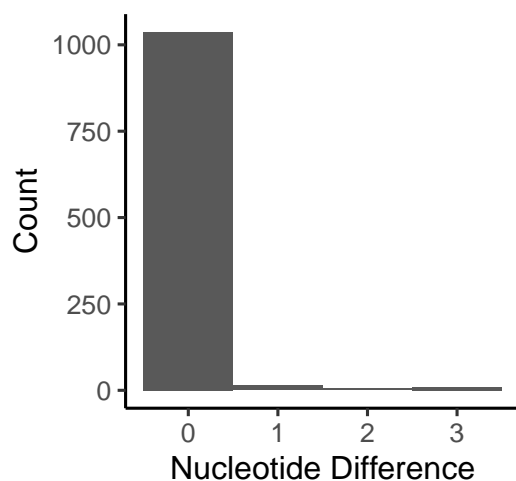
TRBV14*ap01

1302 sequences assigned
1291 (99.2%) exact matches, in which:
1283 unique CDR3
13 unique J



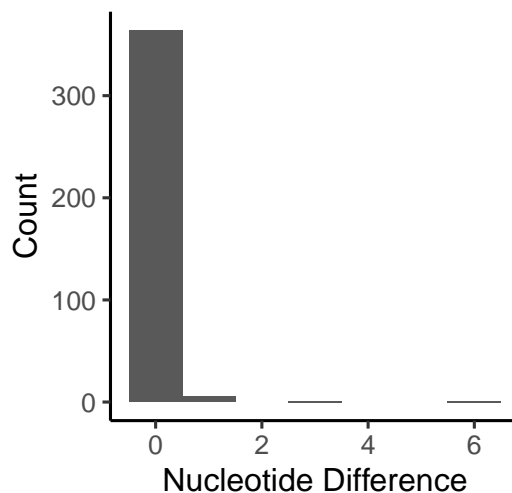
TRBV20-1*ap02

1066 sequences assigned
1037 (97.3%) exact matches, in which:
1019 unique CDR3
13 unique J



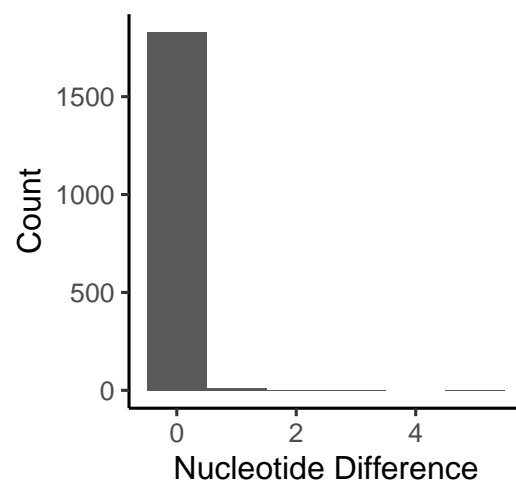
TRBV1*ap01

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



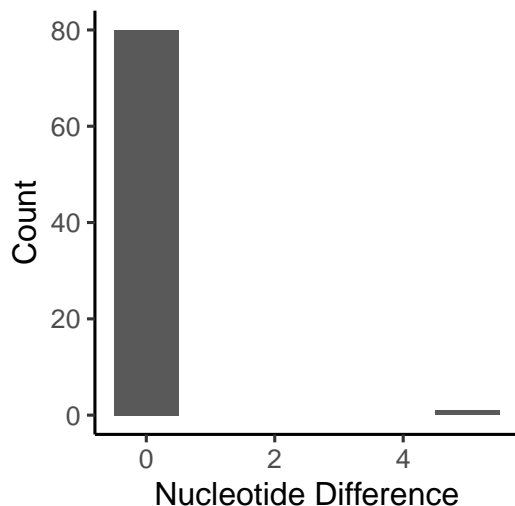
TRBV15*ap02

1845 sequences assigned
1830 (99.2%) exact matches, in which:
1816 unique CDR3
13 unique J



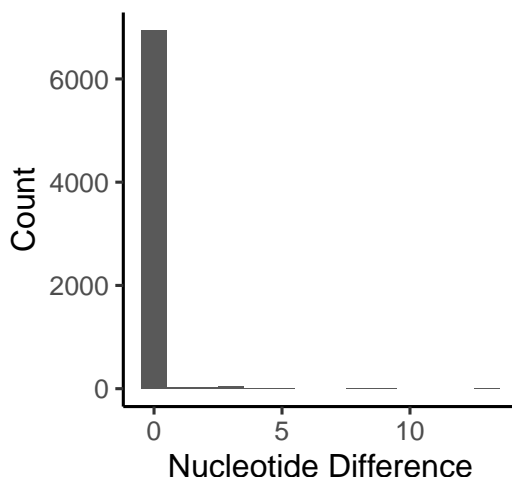
TRBV16*ap01

81 sequences assigned
80 (98.8%) exact matches, in which:
78 unique CDR3
13 unique J



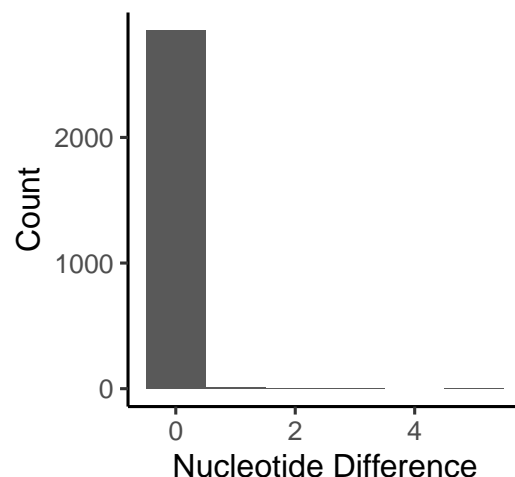
TRBV19*ap01

7056 sequences assigned
6940 (98.4%) exact matches, in which:
6903 unique CDR3
13 unique J



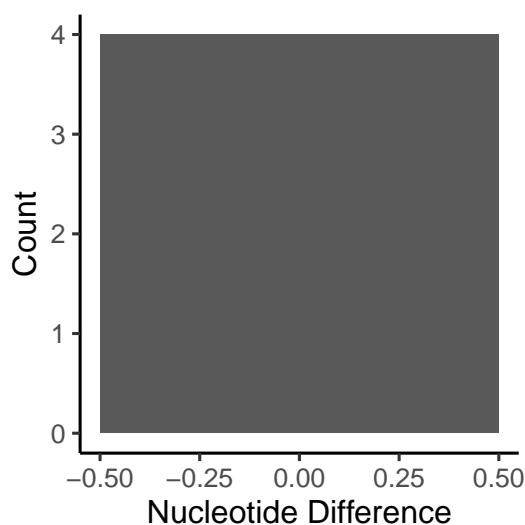
TRBV28*ap01

2874 sequences assigned
2852 (99.2%) exact matches, in which:
2829 unique CDR3
13 unique J



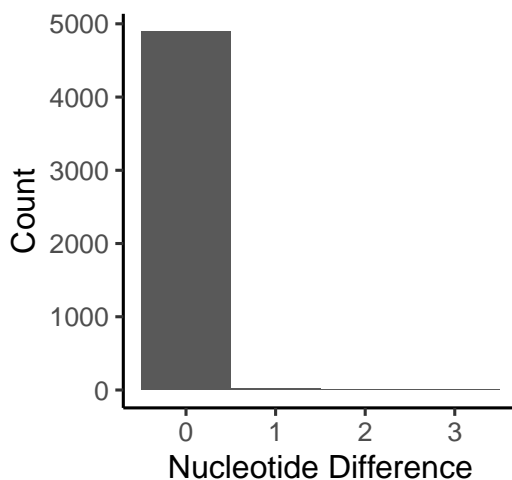
TRBV17*ap01

4 sequences assigned
4 (100%) exact matches, in which:
4 unique CDR3
3 unique J



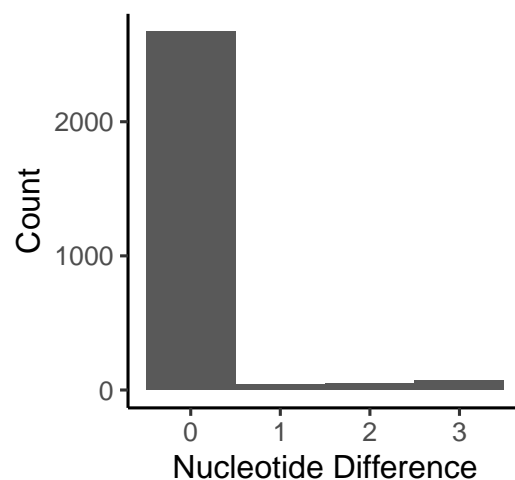
TRBV2*ap01

4928 sequences assigned
4892 (99.3%) exact matches, in which:
4862 unique CDR3
13 unique J



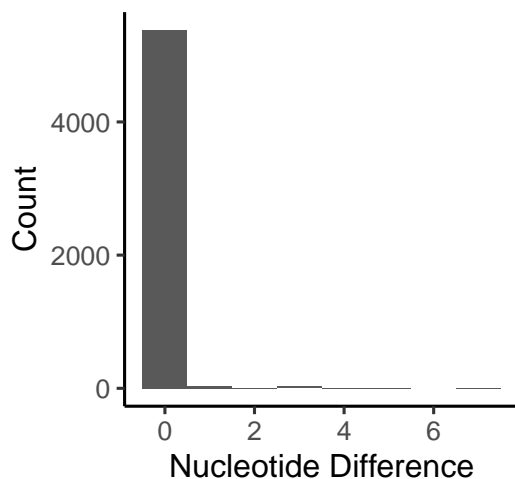
TRBV30*ap01

2832 sequences assigned
2671 (94.3%) exact matches, in which:
2597 unique CDR3
13 unique J



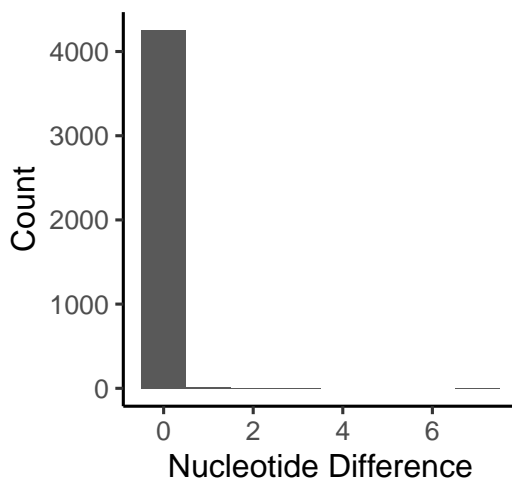
TRBV18*ap01

5452 sequences assigned
5380 (98.7%) exact matches, in which:
5294 unique CDR3
13 unique J



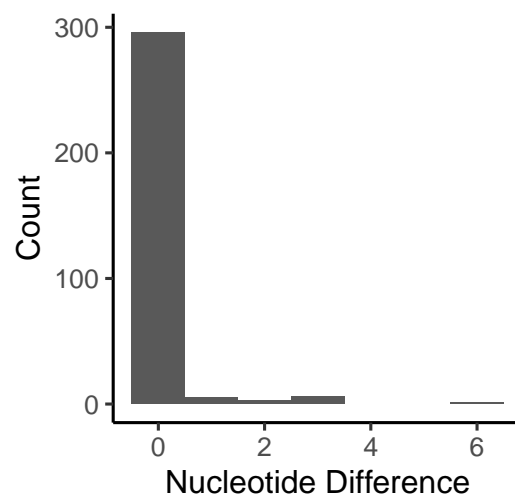
TRBV27*ap01

4275 sequences assigned
4255 (99.5%) exact matches, in which:
4233 unique CDR3
13 unique J



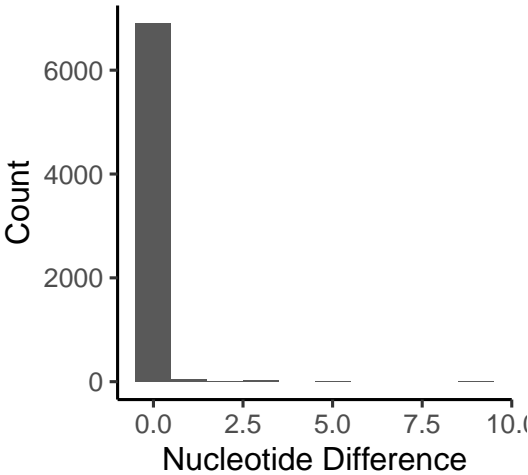
TRBV30*ap02

311 sequences assigned
296 (95.2%) exact matches, in which:
292 unique CDR3
13 unique J



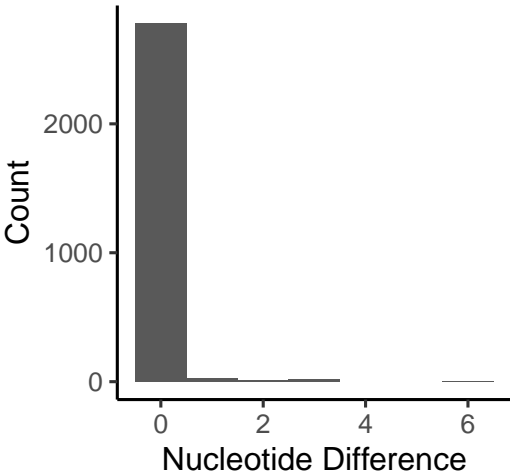
TRBV9*ap01

6993 sequences assigned
6901 (98.7%) exact matches, in which:
6822 unique CDR3
13 unique J



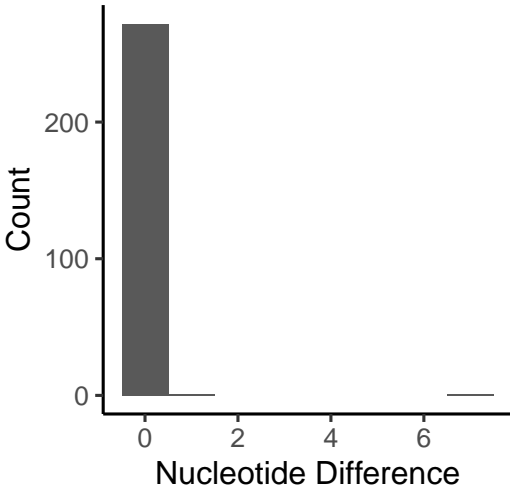
TRBV11-2*ap01

2846 sequences assigned
2779 (97.6%) exact matches, in which:
2744 unique CDR3
13 unique J



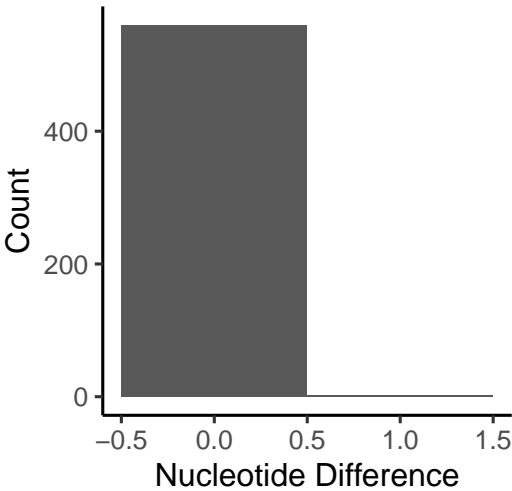
TRBV12-2*ap01

274 sequences assigned
272 (99.3%) exact matches, in which:
271 unique CDR3
13 unique J



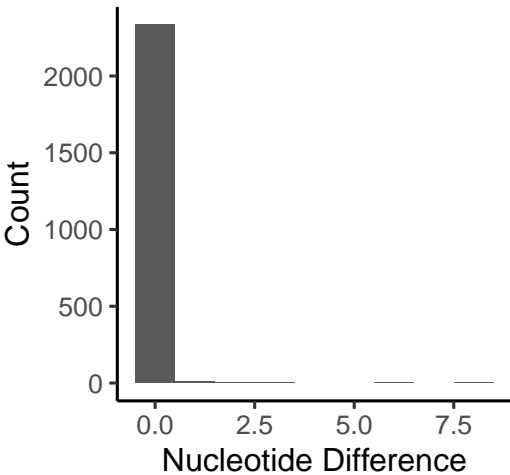
TRBV11-1*ap01

562 sequences assigned
560 (99.6%) exact matches, in which:
556 unique CDR3
13 unique J



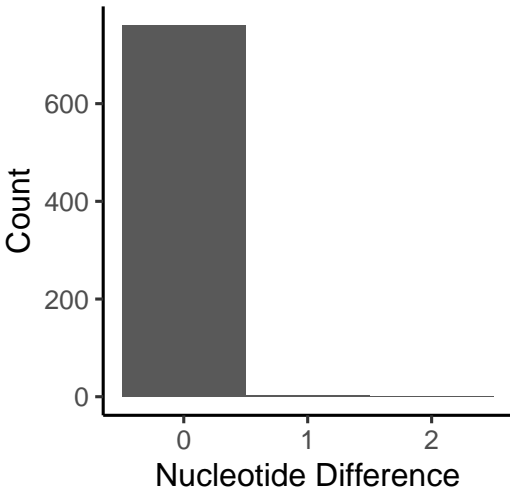
TRBV11-3*ap01

2348 sequences assigned
2334 (99.4%) exact matches, in which:
2318 unique CDR3
13 unique J



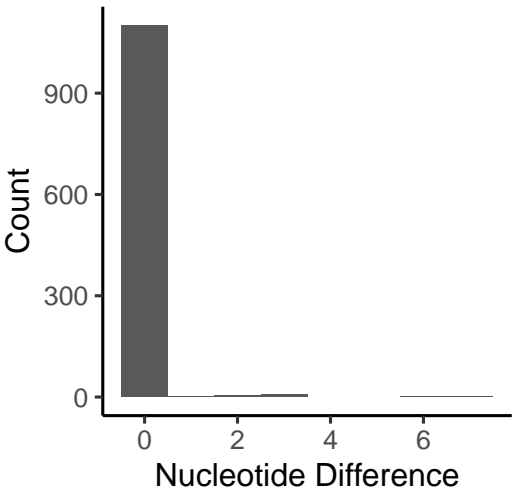
TRBV12-5*ap01

767 sequences assigned
761 (99.2%) exact matches, in which:
758 unique CDR3
13 unique J



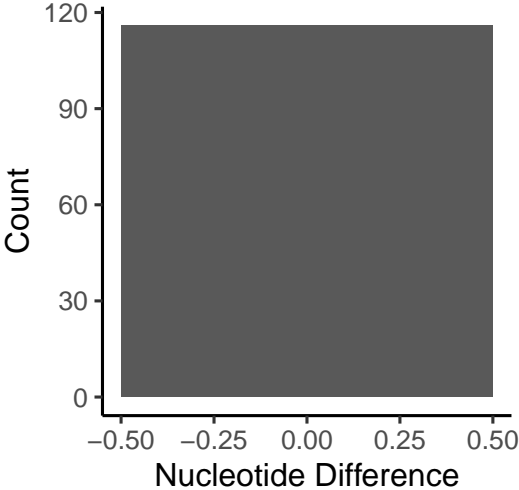
TRBV21-1*ap01

1117 sequences assigned
1101 (98.6%) exact matches, in which:
1098 unique CDR3
13 unique J



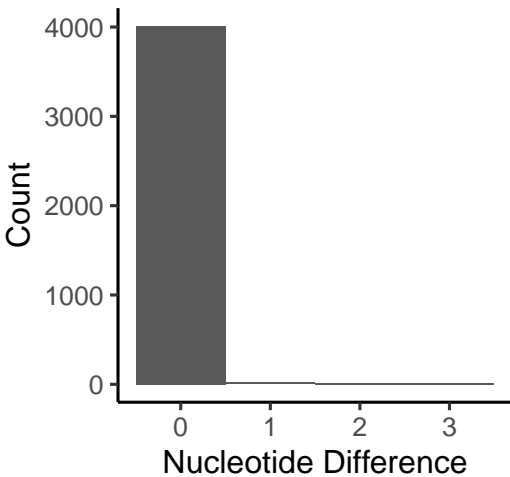
TRBV12-1*ap01

116 sequences assigned
116 (100%) exact matches, in which:
116 unique CDR3
12 unique J



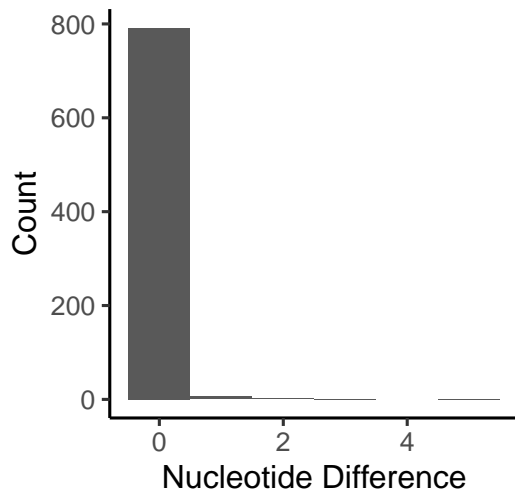
TRBV12-34*ap01

4059 sequences assigned
4011 (98.8%) exact matches, in which:
3981 unique CDR3
13 unique J



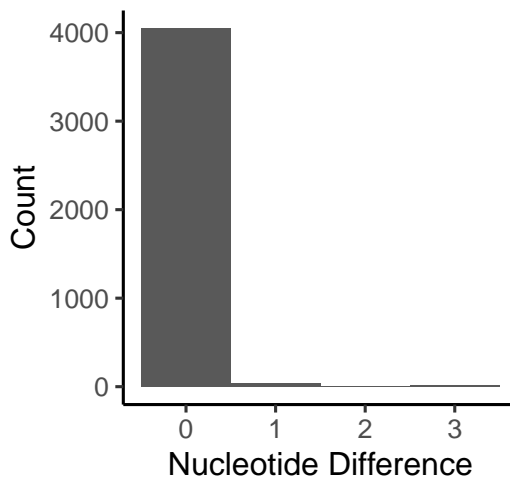
TRBV23-1*ap01

802 sequences assigned
792 (98.8%) exact matches, in which:
785 unique CDR3
13 unique J



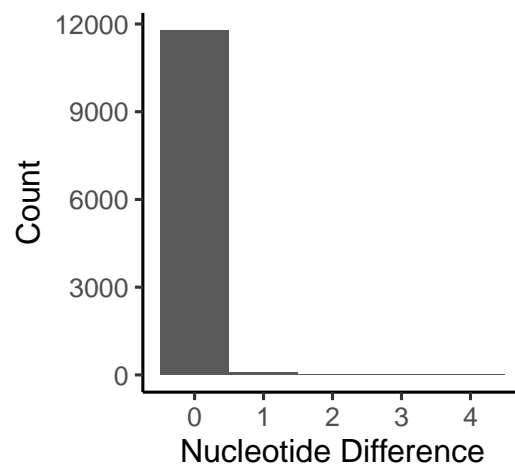
TRBV4-1*ap01

4112 sequences assigned
4048 (98.4%) exact matches, in which:
3989 unique CDR3
13 unique J



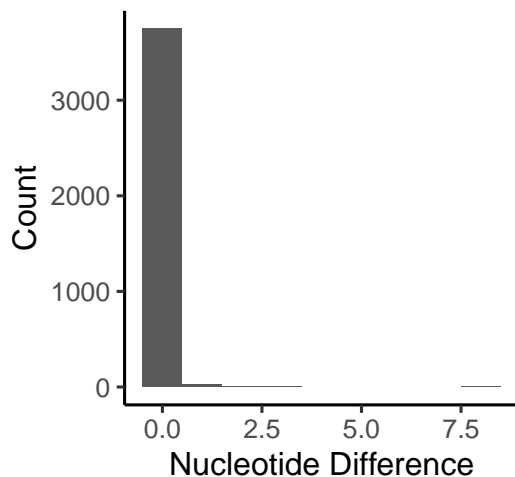
TRBV5-1*ap01

11919 sequences assigned
11790 (98.9%) exact matches, in which:
11667 unique CDR3
13 unique J



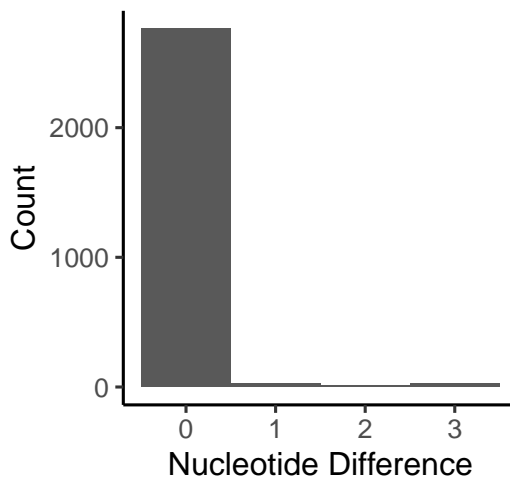
TRBV3-12*ap01

3783 sequences assigned
3748 (99.1%) exact matches, in which:
3733 unique CDR3
13 unique J



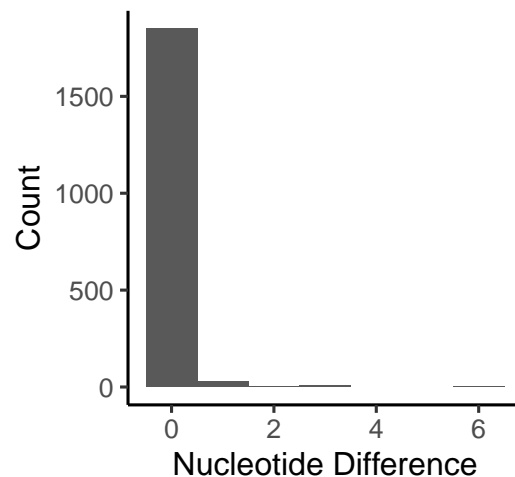
TRBV4-2*ap01

2831 sequences assigned
2763 (97.6%) exact matches, in which:
2720 unique CDR3
13 unique J



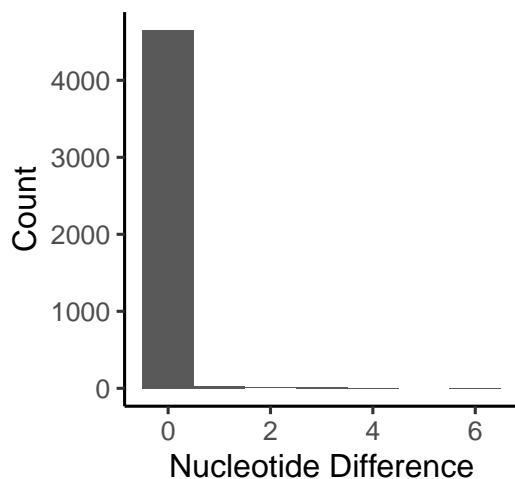
TRBV25-1*ap01

1890 sequences assigned
1849 (97.8%) exact matches, in which:
1801 unique CDR3
13 unique J



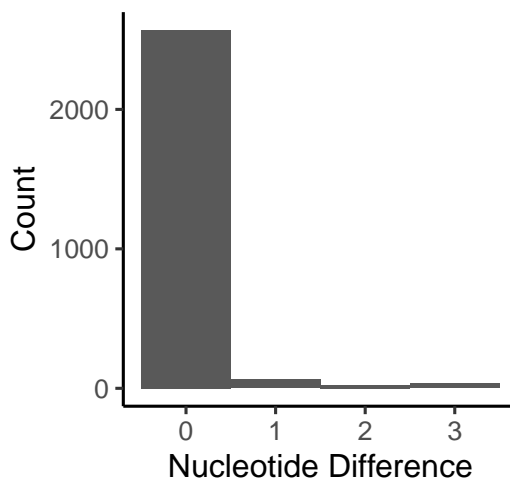
TRBV24-1*ap01

4725 sequences assigned
4653 (98.5%) exact matches, in which:
4616 unique CDR3
13 unique J



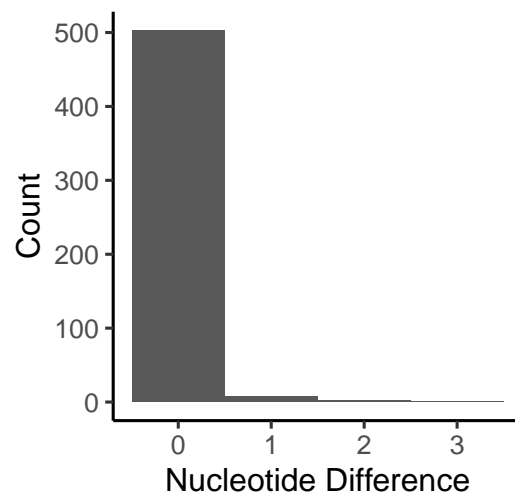
TRBV4-3*ap01

2688 sequences assigned
2569 (95.6%) exact matches, in which:
2530 unique CDR3
13 unique J



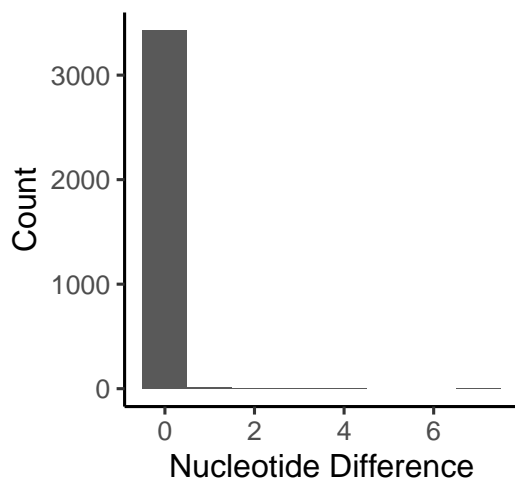
TRBV5-3*ap01

513 sequences assigned
503 (98.1%) exact matches, in which:
492 unique CDR3
13 unique J



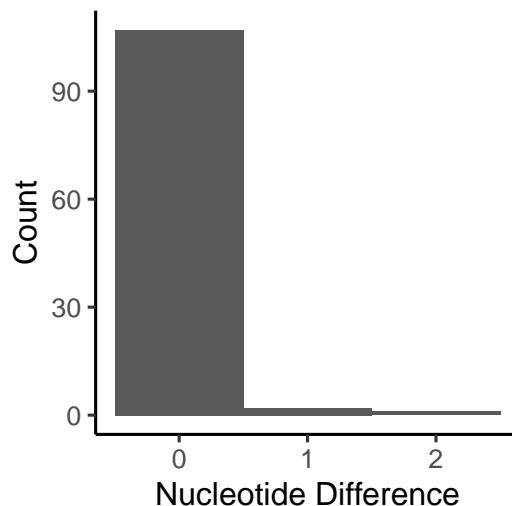
TRBV5-4*ap01

3455 sequences assigned
3428 (99.2%) exact matches, in which:
3401 unique CDR3
13 unique J



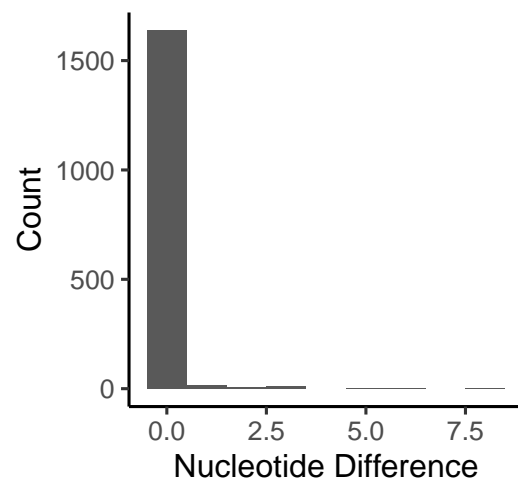
TRBV5-7*ap01

110 sequences assigned
107 (97.3%) exact matches, in which:
106 unique CDR3
13 unique J



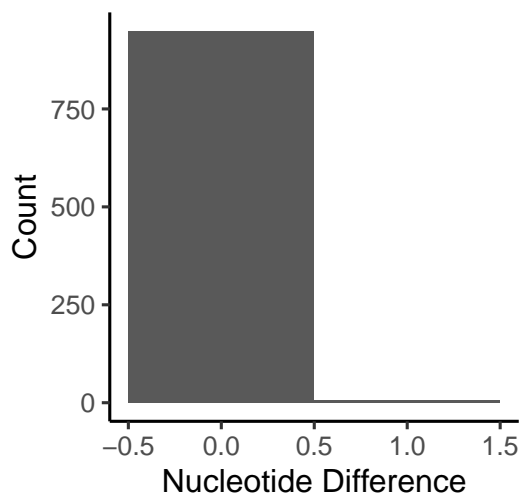
TRBV6-4*ap01

1673 sequences assigned
1638 (97.9%) exact matches, in which:
1631 unique CDR3
13 unique J



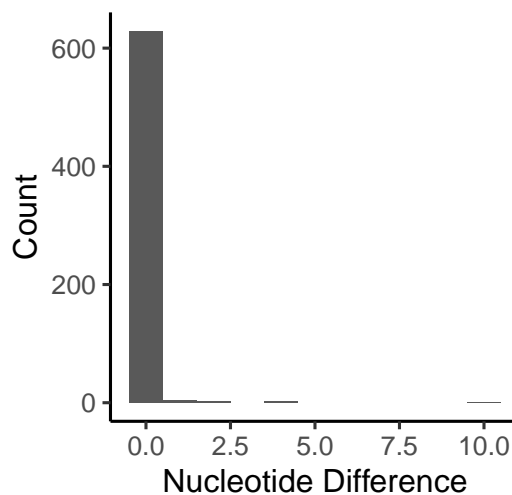
TRBV5-5*ap01

956 sequences assigned
949 (99.3%) exact matches, in which:
946 unique CDR3
13 unique J



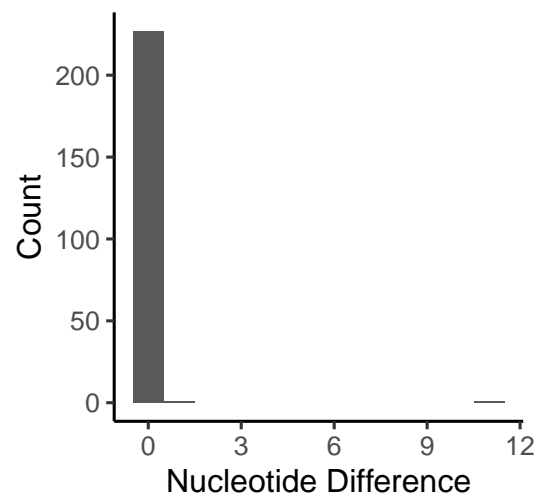
TRBV5-8*ap01

640 sequences assigned
629 (98.3%) exact matches, in which:
627 unique CDR3
13 unique J



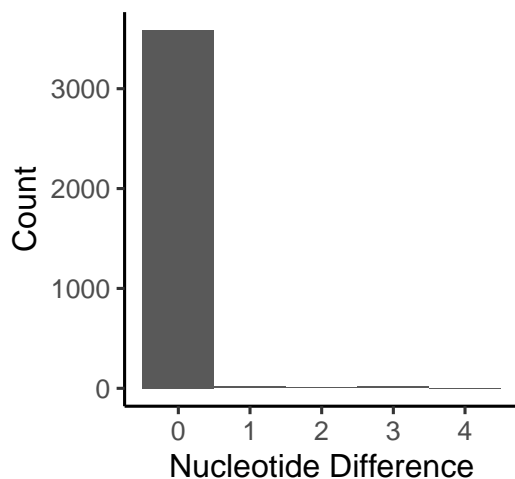
TRBV6-7*ap01

229 sequences assigned
227 (99.1%) exact matches, in which:
223 unique CDR3
13 unique J



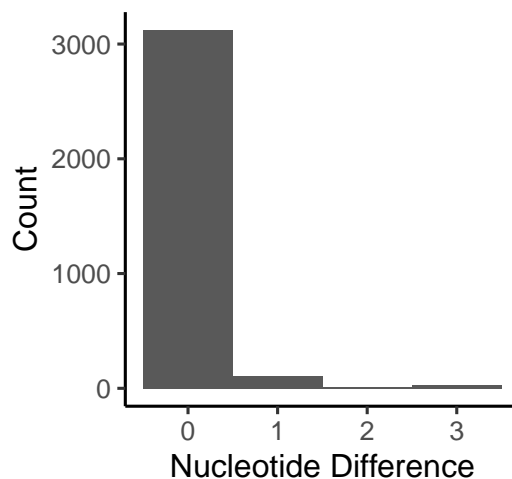
TRBV5-6*ap01

3638 sequences assigned
3587 (98.6%) exact matches, in which:
3542 unique CDR3
13 unique J



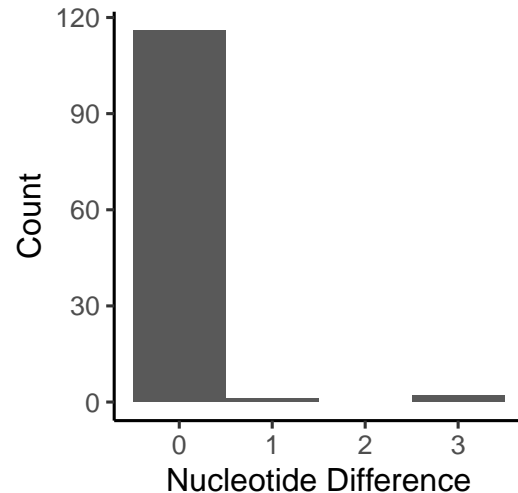
TRBV6-1*ap01

3270 sequences assigned
3122 (95.5%) exact matches, in which:
3059 unique CDR3
13 unique J



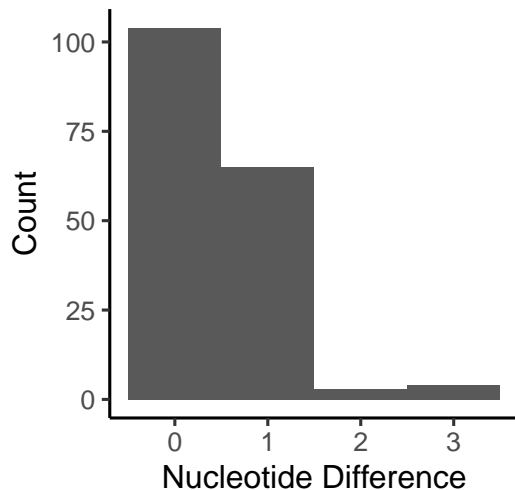
TRBV6-8*ap01

119 sequences assigned
116 (97.5%) exact matches, in which:
115 unique CDR3
12 unique J



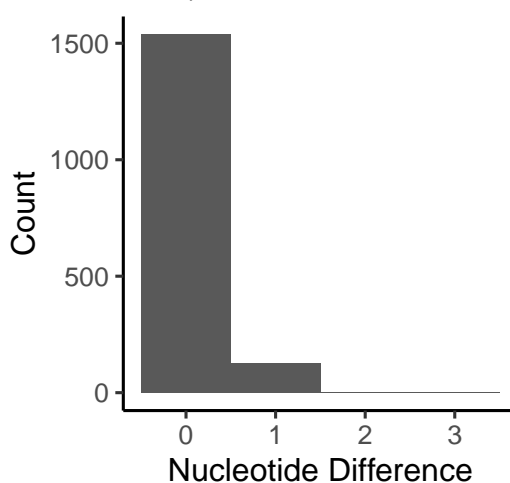
TRBV6-9*ap01

176 sequences assigned
104 (59.1%) exact matches, in which:
102 unique CDR3
13 unique J



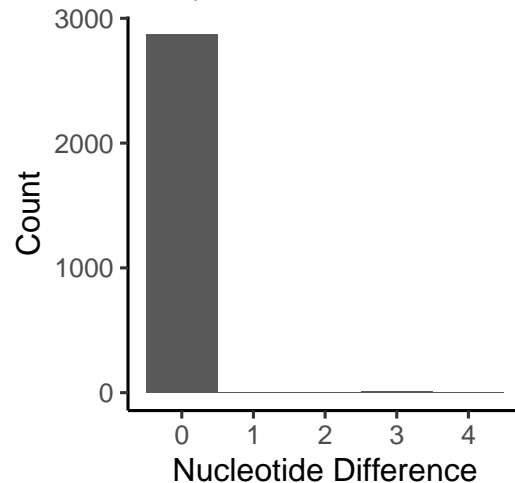
TRBV6-56*ap02

1668 sequences assigned
1538 (92.2%) exact matches, in which:
1515 unique CDR3
13 unique J



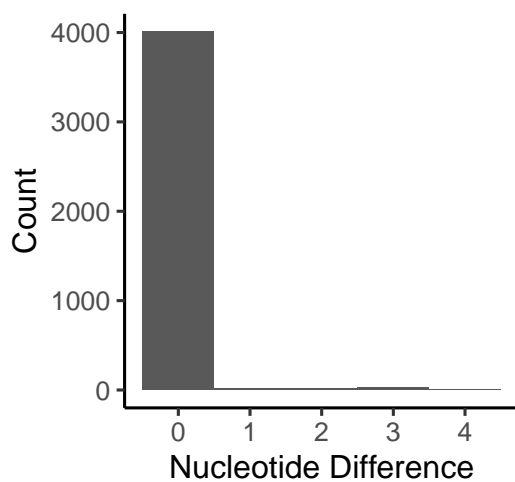
TRBV7-3*ap01

2892 sequences assigned
2871 (99.3%) exact matches, in which:
2854 unique CDR3
13 unique J



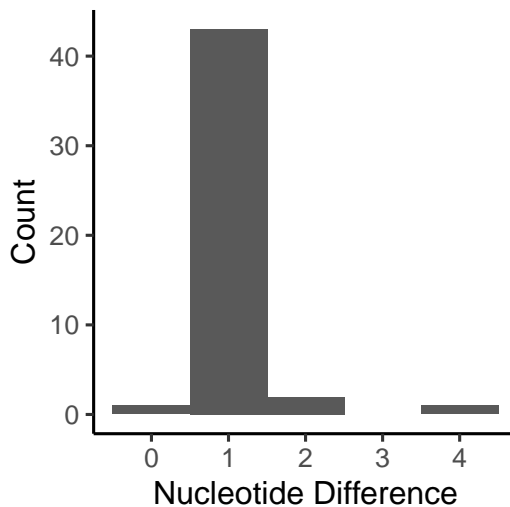
TRBV6-23*ap01

4079 sequences assigned
4009 (98.3%) exact matches, in which:
3948 unique CDR3
13 unique J



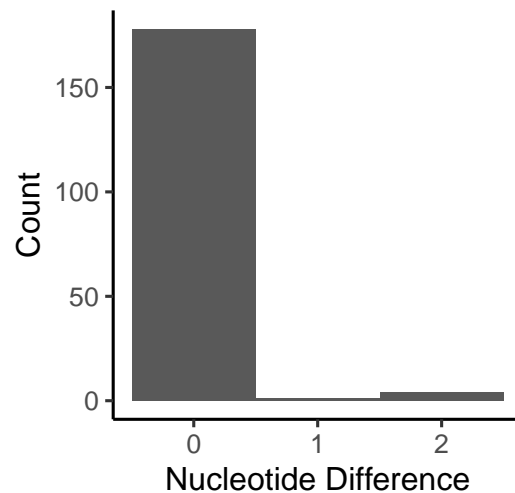
TRBV7-1*ap01_T296C

47 sequences assigned
1 (2.1%) exact matches, in which:
1 unique CDR3
1 unique J



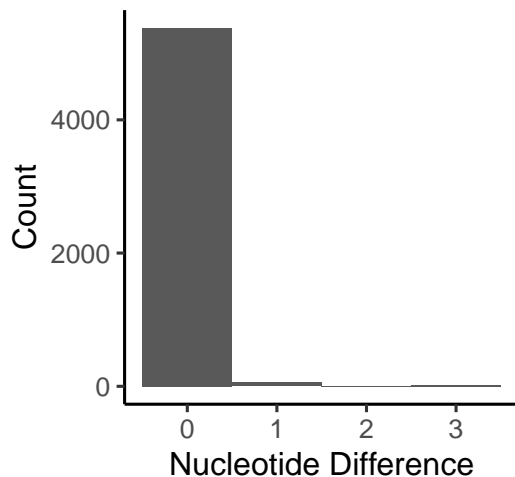
TRBV7-4*ap01

183 sequences assigned
178 (97.3%) exact matches, in which:
177 unique CDR3
13 unique J



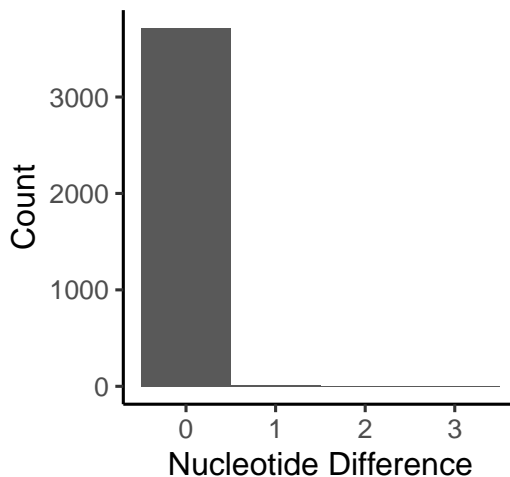
TRBV6-56*ap01

5455 sequences assigned
5378 (98.6%) exact matches, in which:
5308 unique CDR3
13 unique J



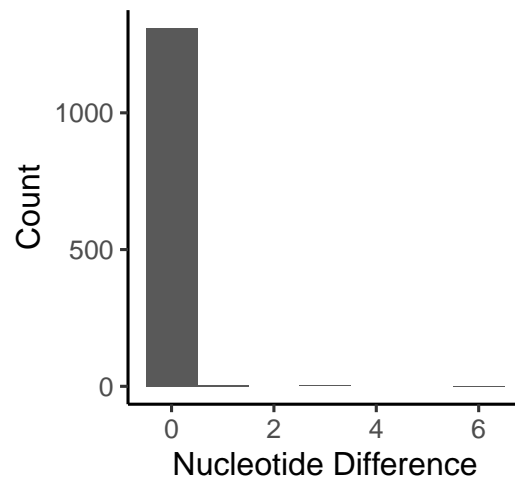
TRBV7-2*ap01

3735 sequences assigned
3715 (99.5%) exact matches, in which:
3686 unique CDR3
13 unique J



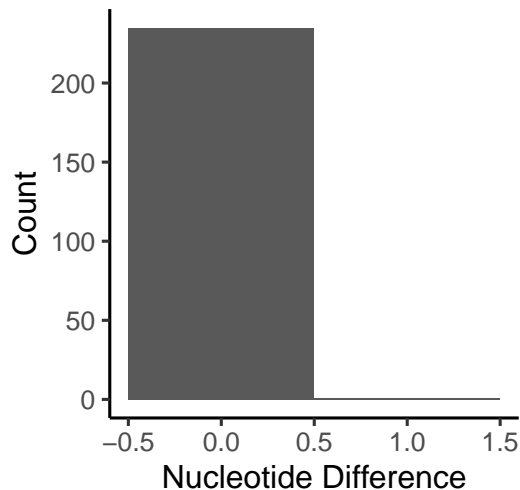
TRBV7-6*ap01

1319 sequences assigned
1310 (99.3%) exact matches, in which:
1300 unique CDR3
13 unique J



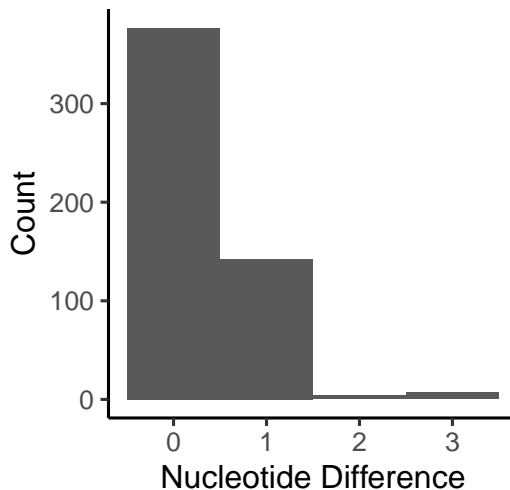
TRBV7-7*ap01

236 sequences assigned
235 (99.6%) exact matches, in which:
234 unique CDR3
12 unique J



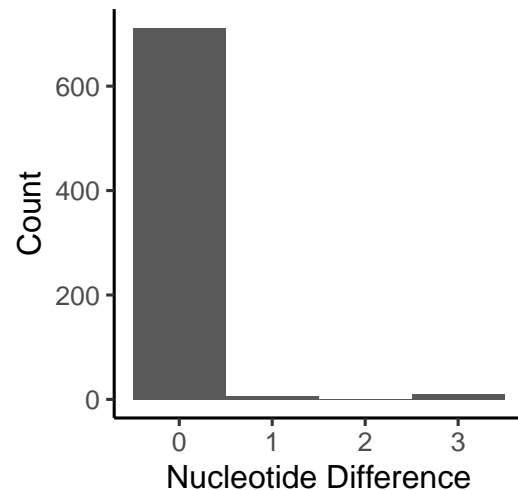
TRBV7-8*ap03

530 sequences assigned
377 (71.1%) exact matches, in which:
376 unique CDR3
13 unique J



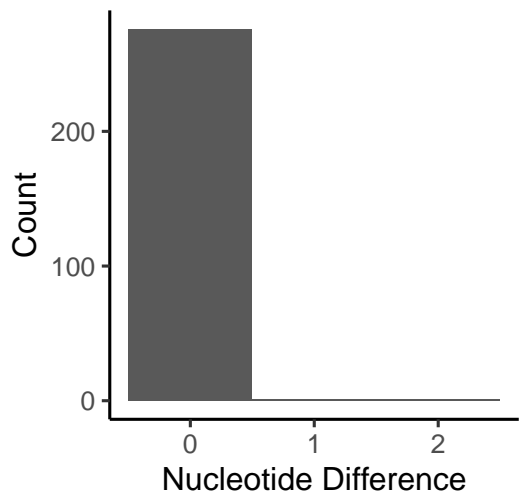
TRBV29-1*ap02

730 sequences assigned
712 (97.5%) exact matches, in which:
697 unique CDR3
13 unique J



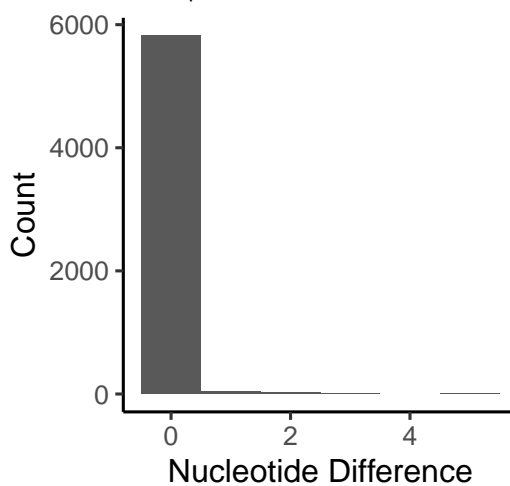
TRBV7-7*ap01_C315T

278 sequences assigned
276 (99.3%) exact matches, in which:
274 unique CDR3
13 unique J



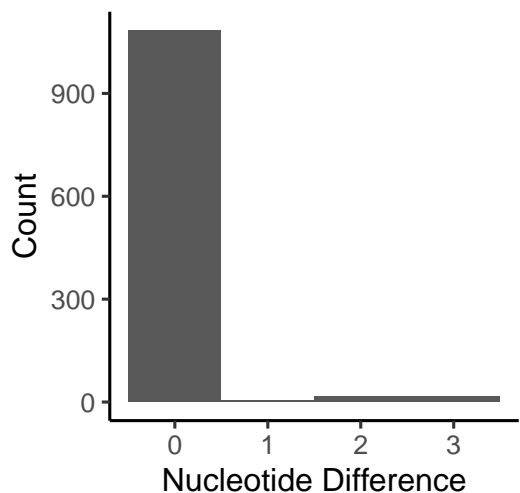
TRBV7-9*ap01

5888 sequences assigned
5820 (98.8%) exact matches, in which:
5760 unique CDR3
13 unique J



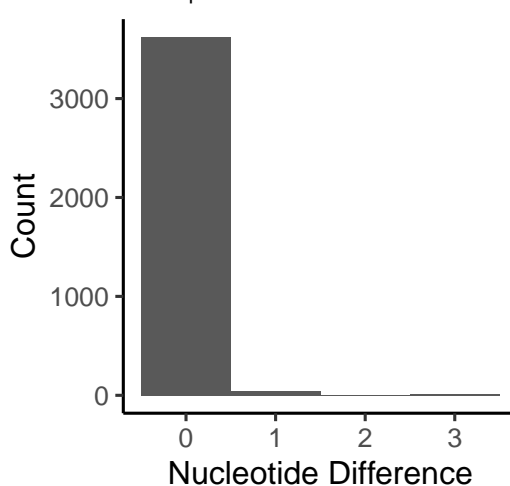
TRBV7-8*ap01

1121 sequences assigned
1084 (96.7%) exact matches, in which:
1077 unique CDR3
13 unique J

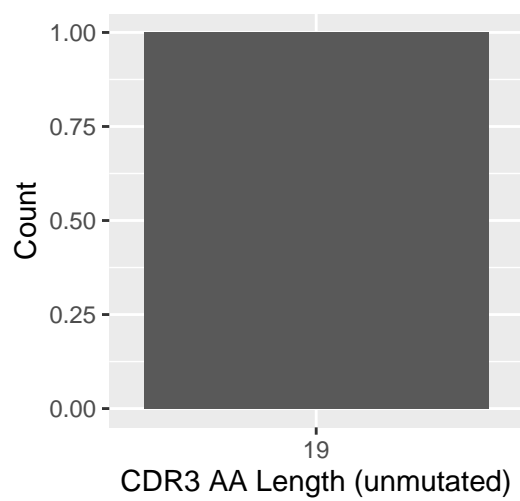


TRBV29-1*ap01

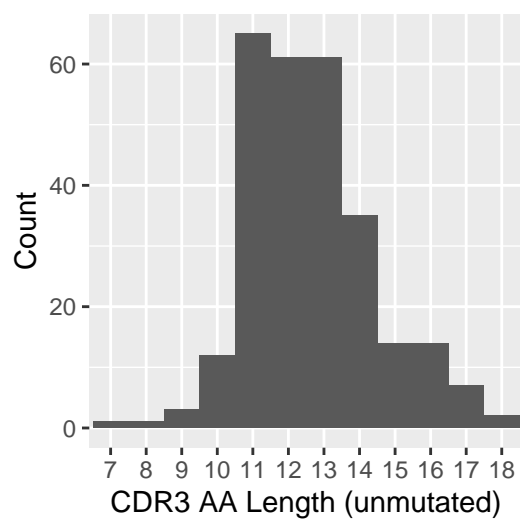
3684 sequences assigned
3622 (98.3%) exact matches, in which:
3544 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]