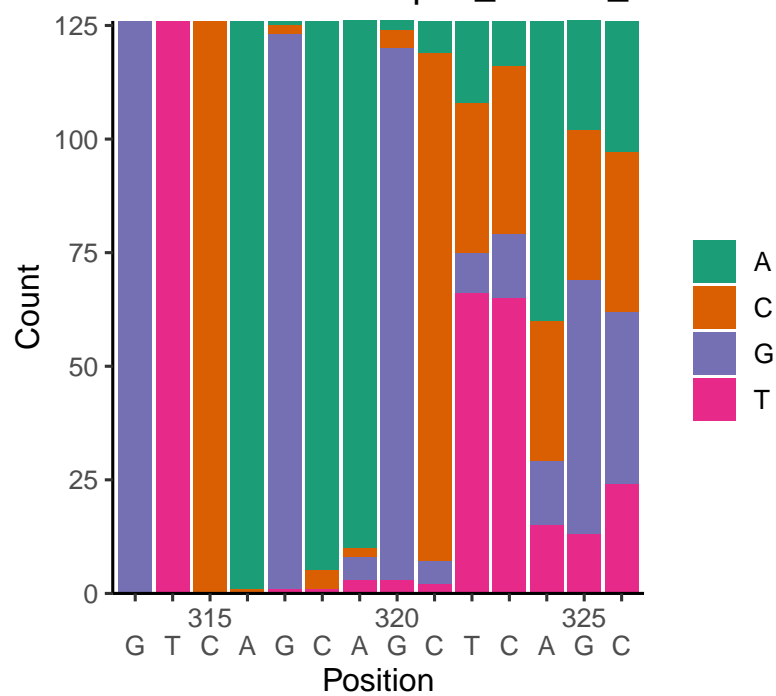
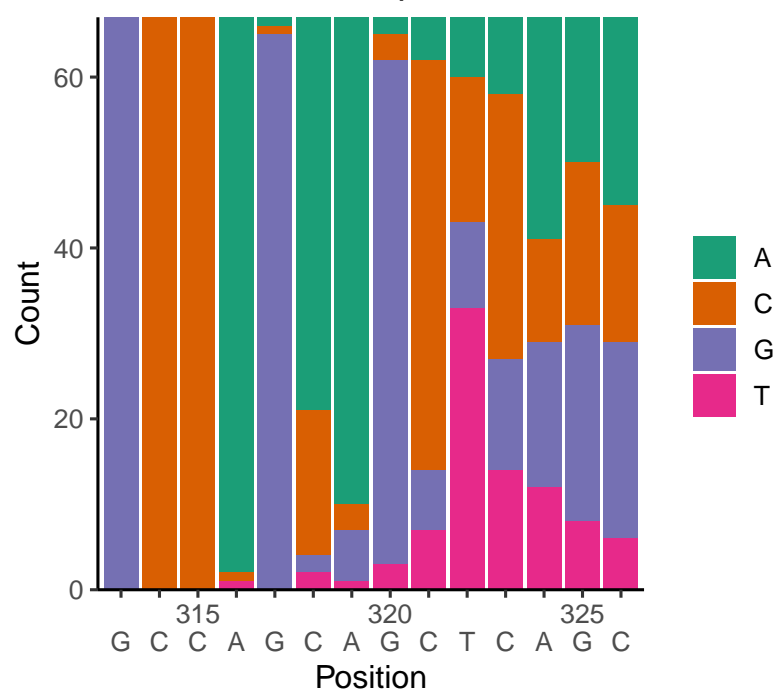


Gene TRBV7-1*ap01_T296C_C314T



Gene TRBV7-1*ap01_T296C



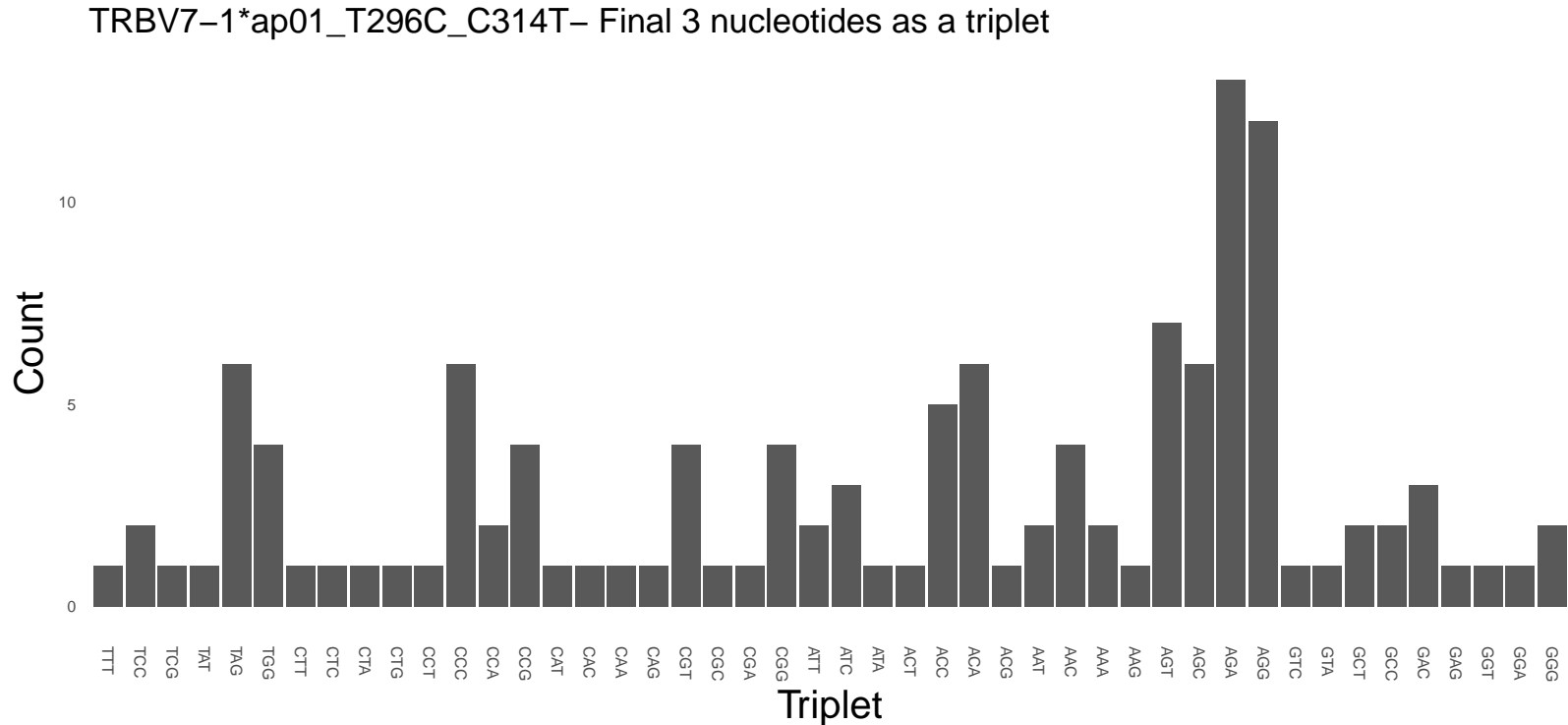
Gene TRBV7-1*ap01_T296C_C314T



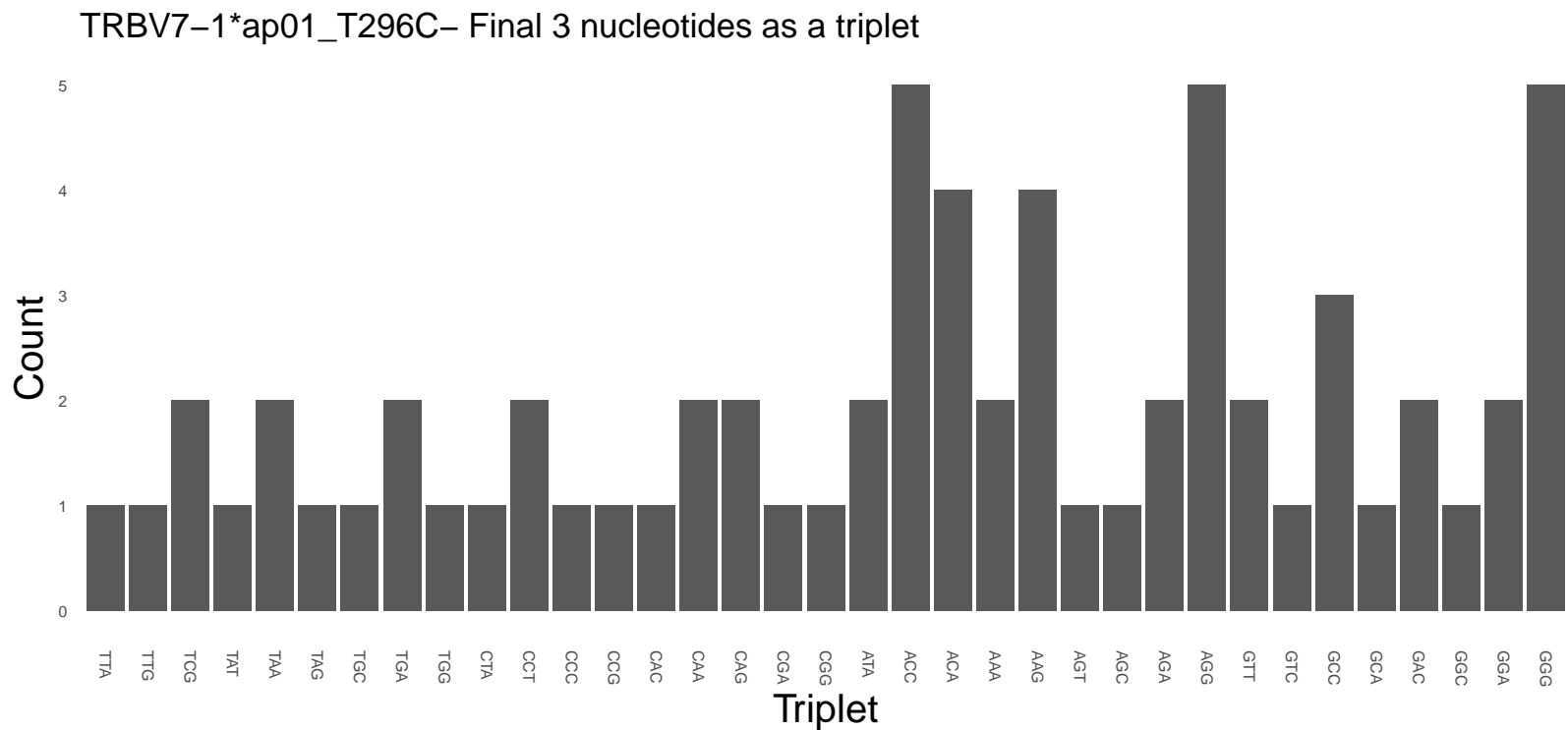
Gene TRBV7-1*ap01_T296C



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

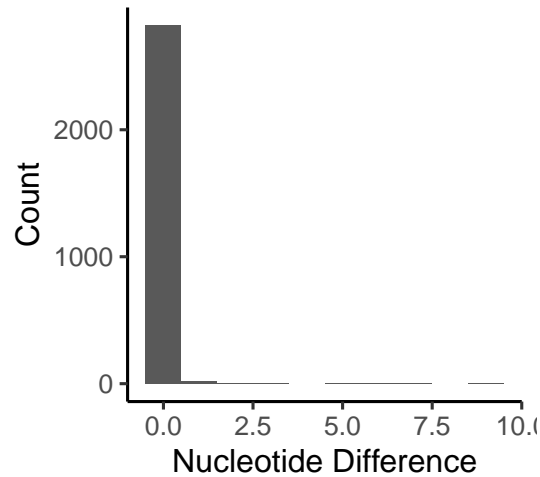


TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet



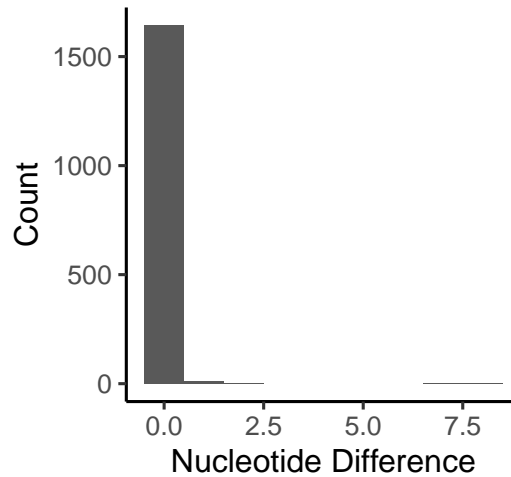
TRBV10-1*ap01

2852 sequences assigned
2822 (98.9%) exact matches, in which:
2755 unique CDR3
13 unique J



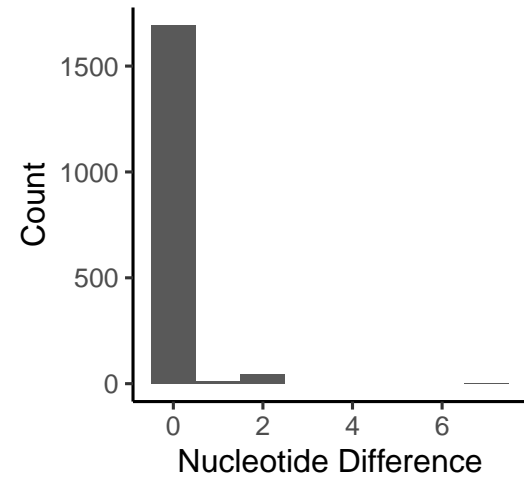
TRBV10-2*ap01

1659 sequences assigned
1643 (99%) exact matches, in which:
1626 unique CDR3
13 unique J



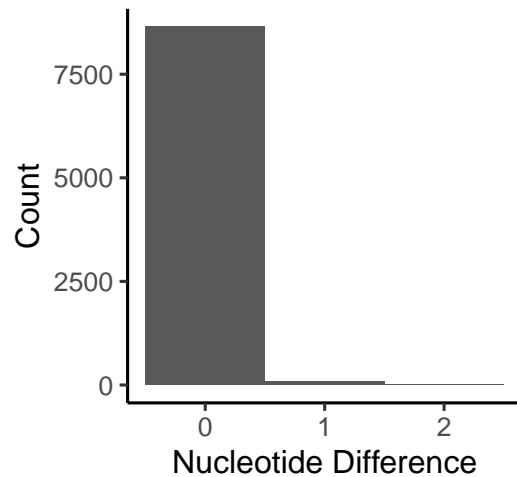
TRBV13*ap01

1748 sequences assigned
1692 (96.8%) exact matches, in which:
1653 unique CDR3
13 unique J



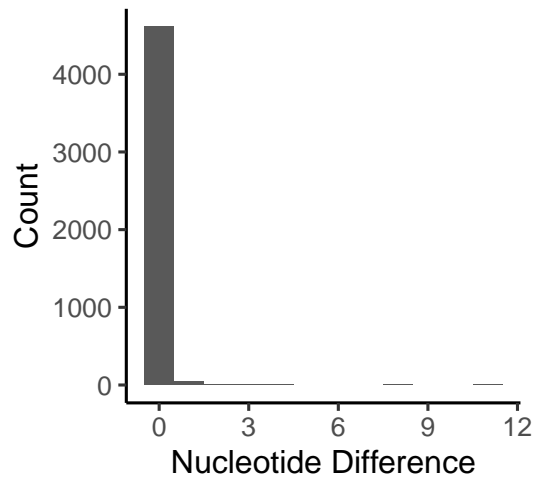
TRBV20-1*ap01

8741 sequences assigned
8646 (98.9%) exact matches, in which:
8508 unique CDR3
13 unique J



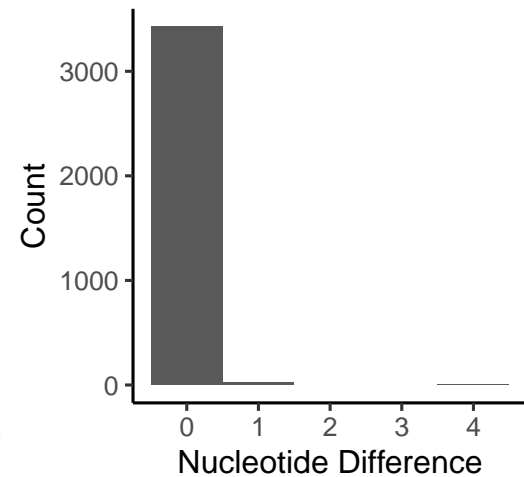
TRBV10-3*ap01

4670 sequences assigned
4612 (98.8%) exact matches, in which:
4524 unique CDR3
13 unique J



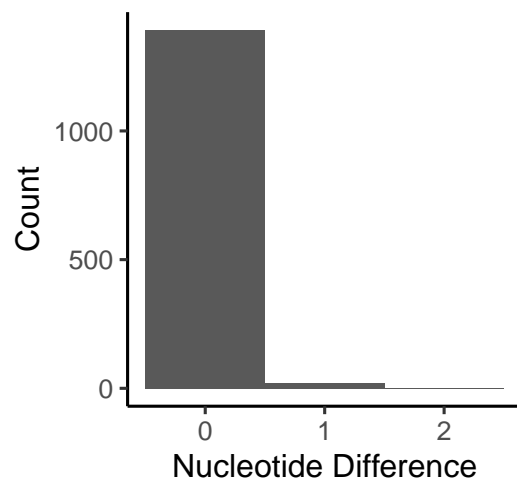
TRBV14*ap01

3453 sequences assigned
3426 (99.2%) exact matches, in which:
3364 unique CDR3
13 unique J



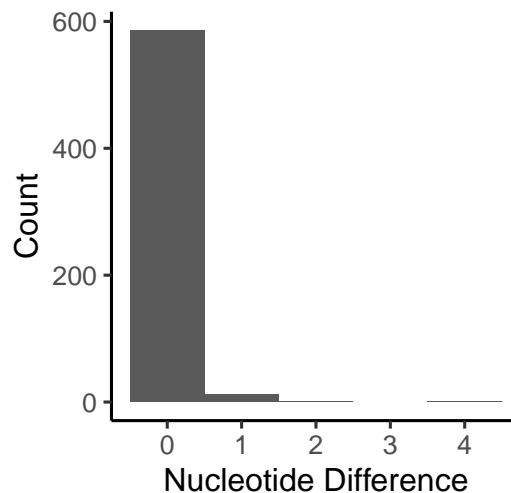
TRBV20-1*ap02

1414 sequences assigned
1392 (98.4%) exact matches, in which:
1365 unique CDR3
13 unique J



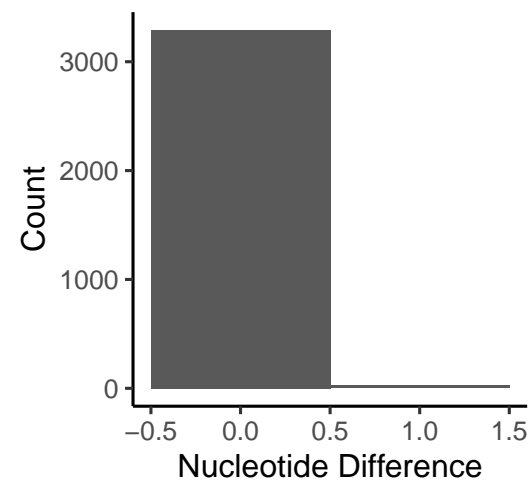
TRBV1*ap01

600 sequences assigned
586 (97.7%) exact matches, in which:
573 unique CDR3
13 unique J



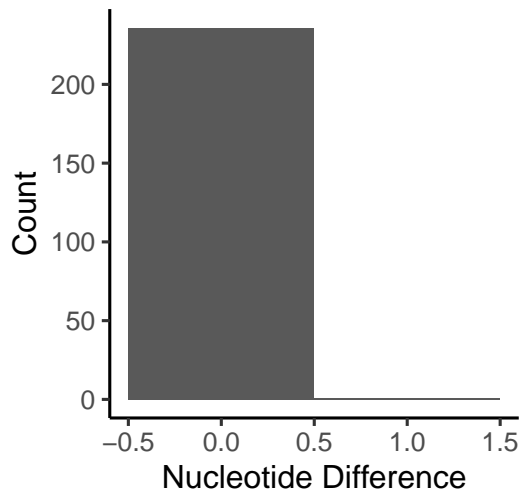
TRBV15*ap02

3317 sequences assigned
3291 (99.2%) exact matches, in which:
3212 unique CDR3
13 unique J



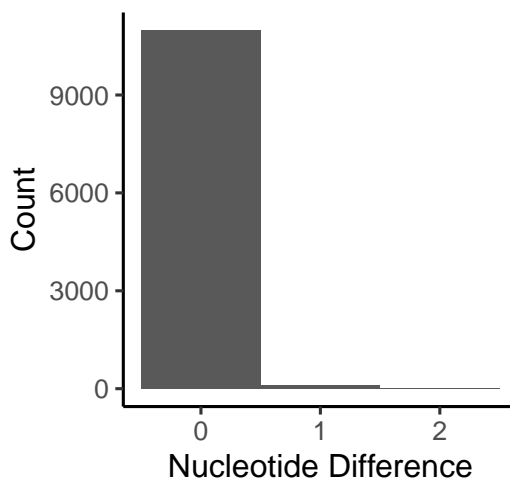
TRBV16*ap01

237 sequences assigned
236 (99.6%) exact matches, in which:
232 unique CDR3
13 unique J



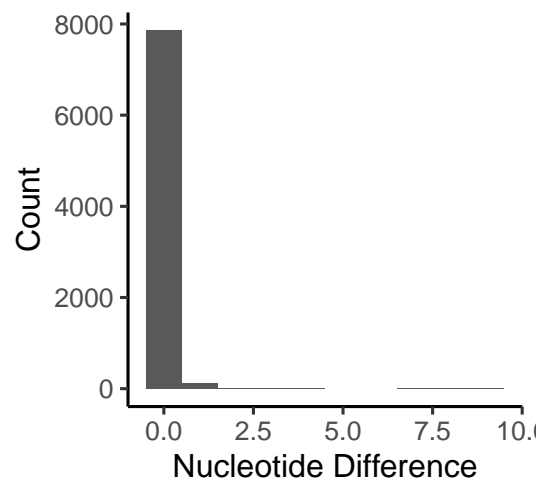
TRBV2*ap01

11089 sequences assigned
10979 (99%) exact matches, in which:
10772 unique CDR3
13 unique J



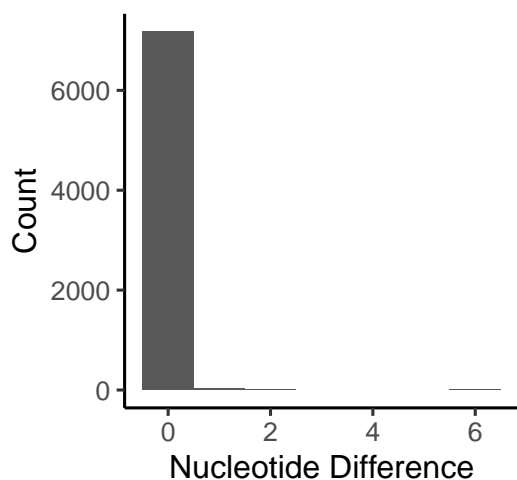
TRBV30*ap01

7990 sequences assigned
7859 (98.4%) exact matches, in which:
7670 unique CDR3
13 unique J



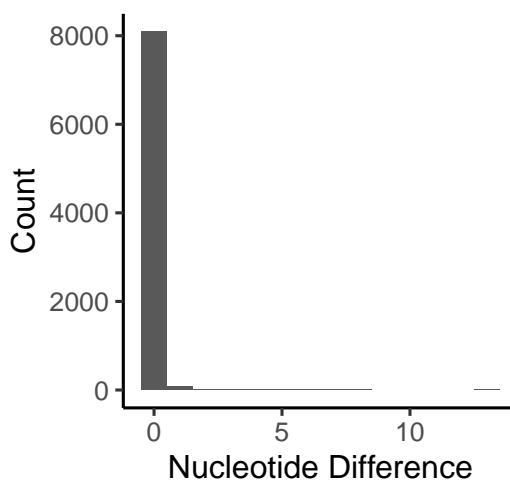
TRBV18*ap01

7205 sequences assigned
7174 (99.6%) exact matches, in which:
7091 unique CDR3
13 unique J



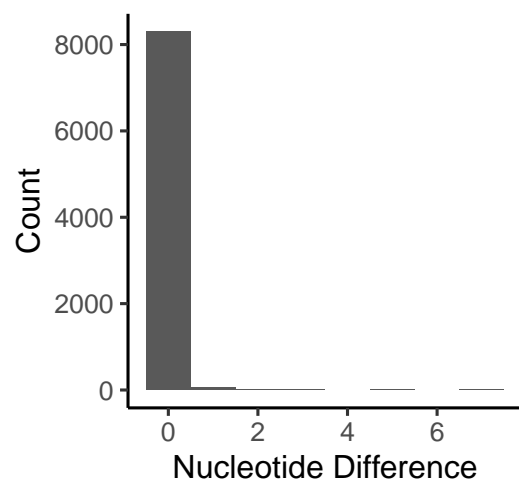
TRBV27*ap01

8178 sequences assigned
8090 (98.9%) exact matches, in which:
7915 unique CDR3
13 unique J



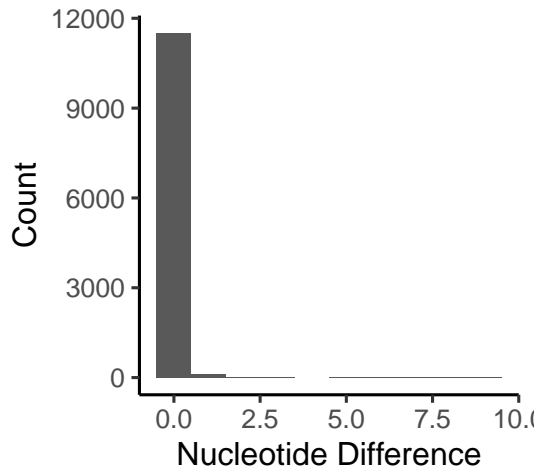
TRBV9*ap01

8365 sequences assigned
8297 (99.2%) exact matches, in which:
8186 unique CDR3
13 unique J



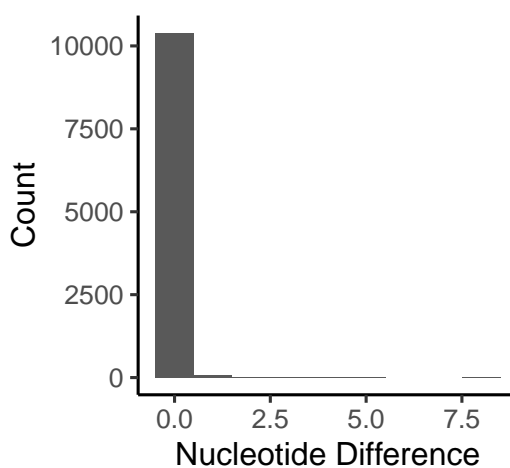
TRBV19*ap01

11642 sequences assigned
11516 (98.9%) exact matches, in which:
11375 unique CDR3
13 unique J



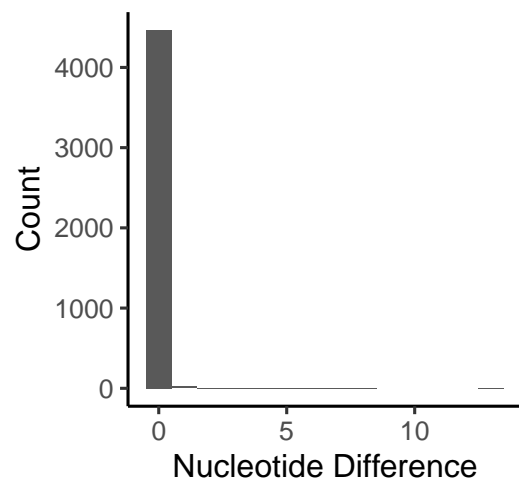
TRBV28*ap01

10490 sequences assigned
10396 (99.1%) exact matches, in which:
10228 unique CDR3
13 unique J



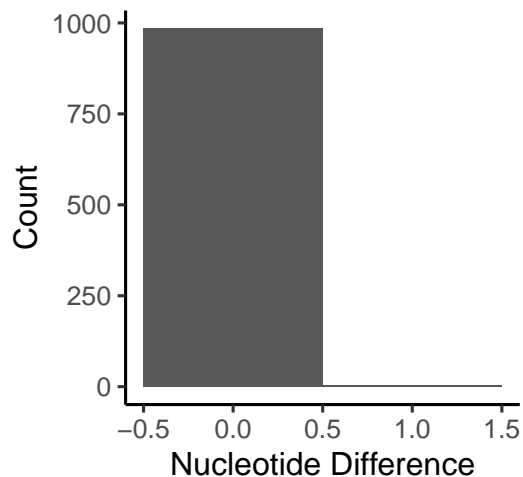
TRBV21-1*ap01

4509 sequences assigned
4466 (99%) exact matches, in which:
4415 unique CDR3
13 unique J



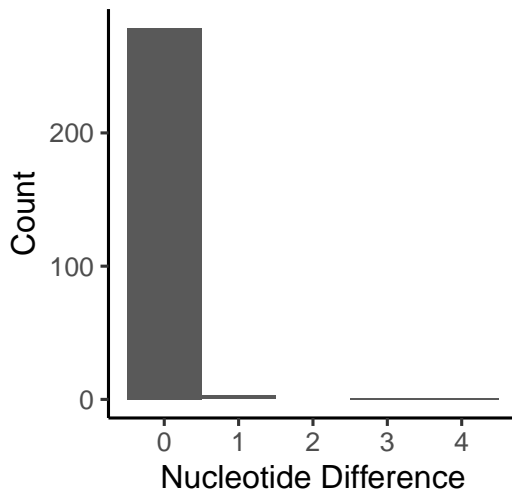
TRBV11-1*ap01

988 sequences assigned
985 (99.7%) exact matches, in which:
971 unique CDR3
13 unique J



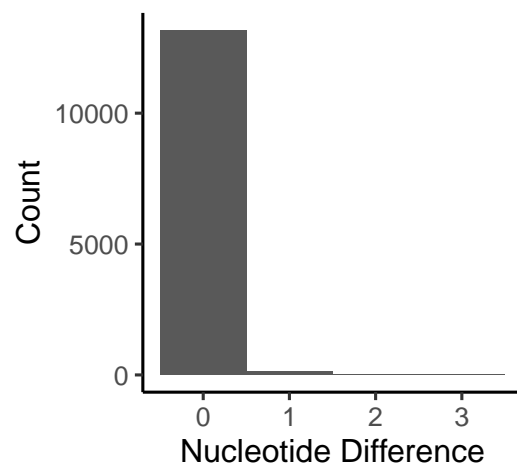
TRBV12-1*ap01

284 sequences assigned
279 (98.2%) exact matches, in which:
276 unique CDR3
13 unique J



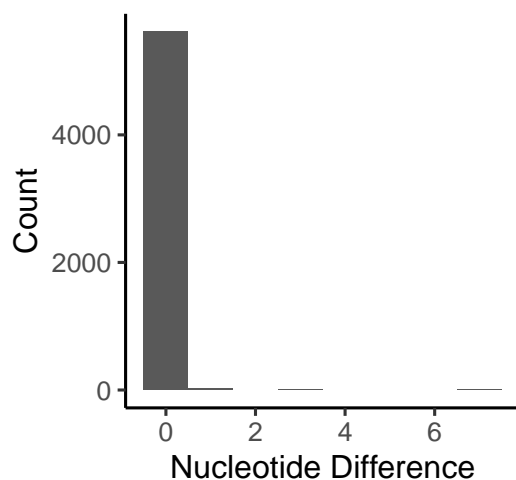
TRBV12-34*ap01

13315 sequences assigned
13171 (98.9%) exact matches, in which:
12916 unique CDR3
13 unique J



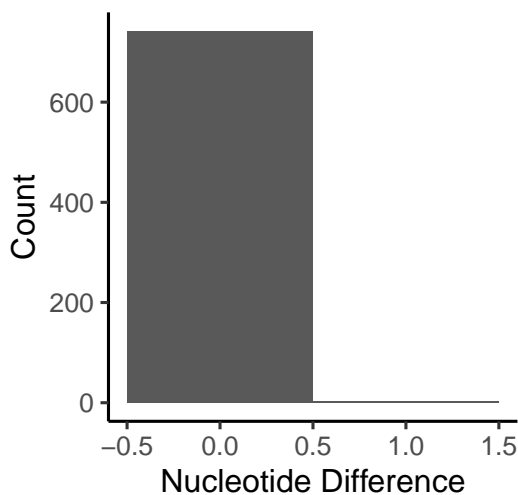
TRBV11-2*ap01

5642 sequences assigned
5617 (99.6%) exact matches, in which:
5549 unique CDR3
13 unique J



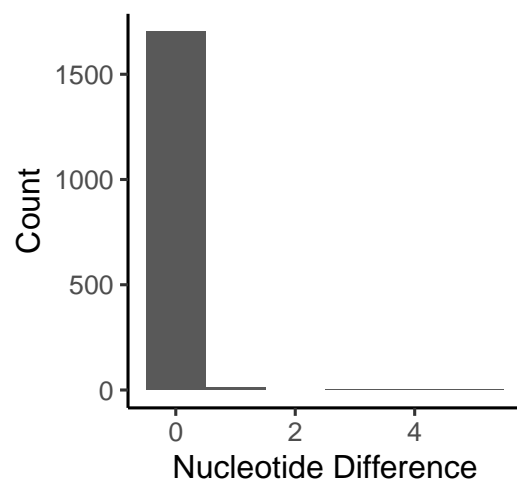
TRBV12-2*ap01

745 sequences assigned
742 (99.6%) exact matches, in which:
726 unique CDR3
13 unique J



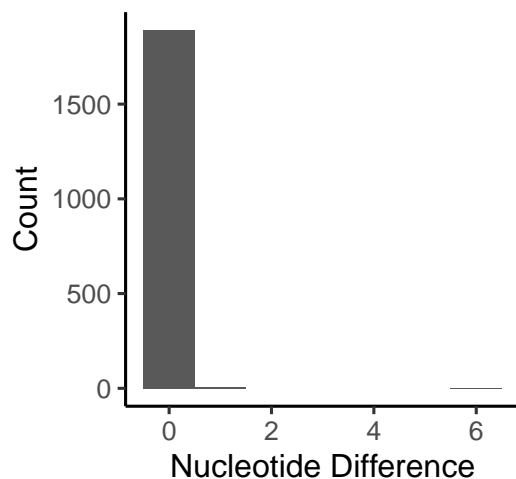
TRBV23-1*ap01

1720 sequences assigned
1702 (99%) exact matches, in which:
1671 unique CDR3
13 unique J



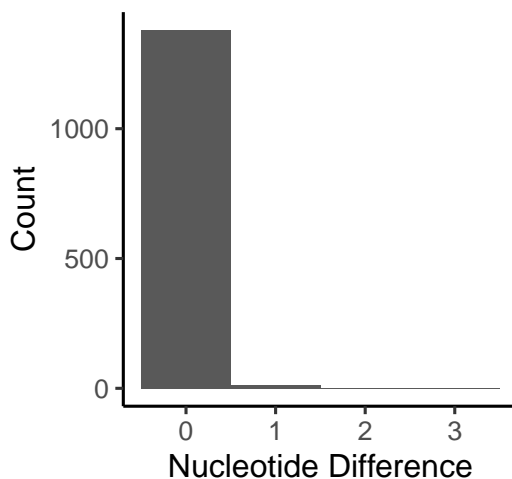
TRBV11-3*ap01

1898 sequences assigned
1891 (99.6%) exact matches, in which:
1872 unique CDR3
13 unique J



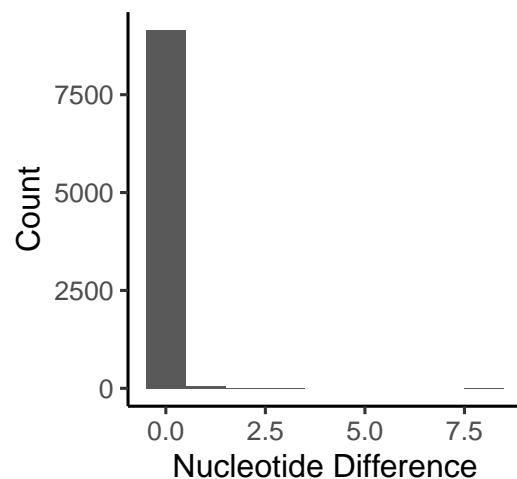
TRBV12-5*ap01

1395 sequences assigned
1380 (98.9%) exact matches, in which:
1353 unique CDR3
13 unique J



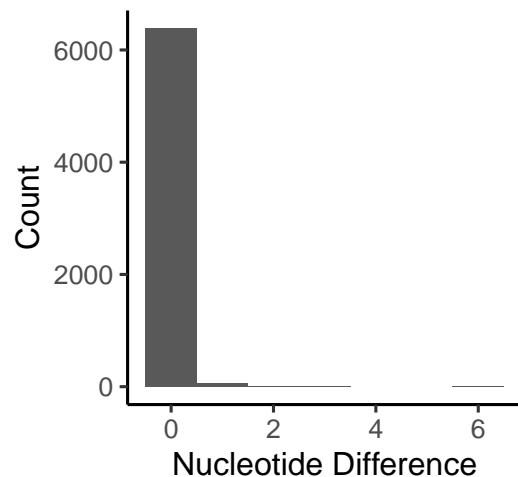
TRBV3-12*ap01

9217 sequences assigned
9151 (99.3%) exact matches, in which:
9034 unique CDR3
13 unique J



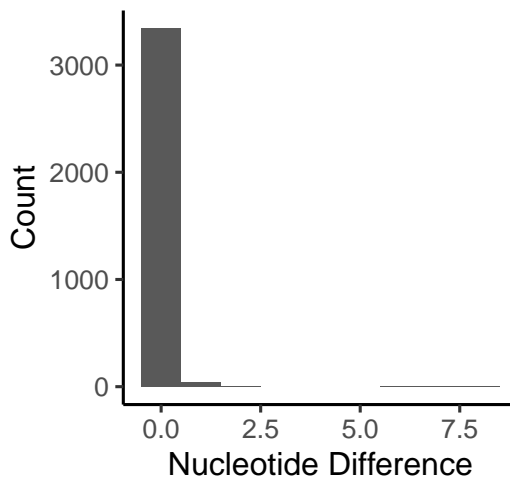
TRBV4-1*ap01

6455 sequences assigned
6384 (98.9%) exact matches, in which:
6230 unique CDR3
13 unique J



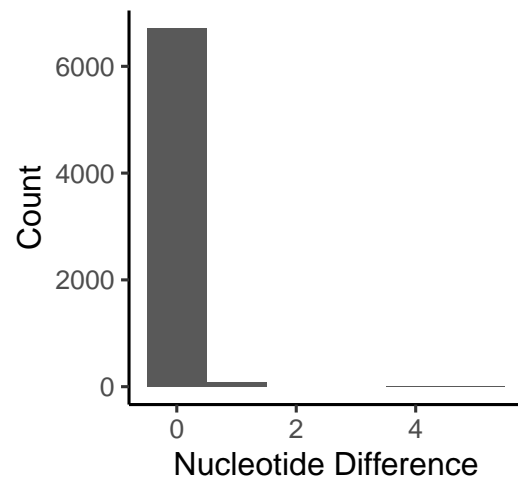
TRBV25-1*ap01

3394 sequences assigned
3342 (98.5%) exact matches, in which:
3265 unique CDR3
13 unique J



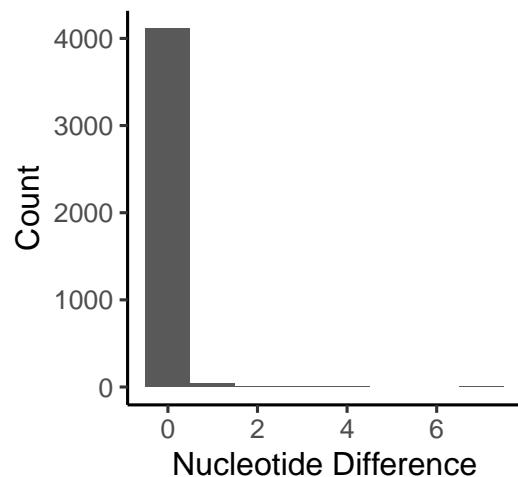
TRBV5-4*ap01

6805 sequences assigned
6710 (98.6%) exact matches, in which:
6542 unique CDR3
13 unique J



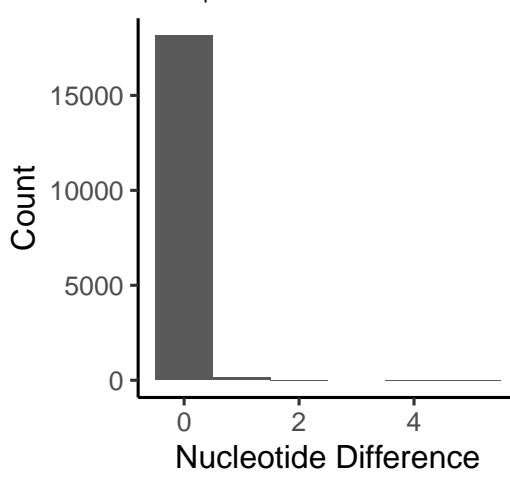
TRBV24-1*ap01

4166 sequences assigned
4111 (98.7%) exact matches, in which:
4021 unique CDR3
13 unique J



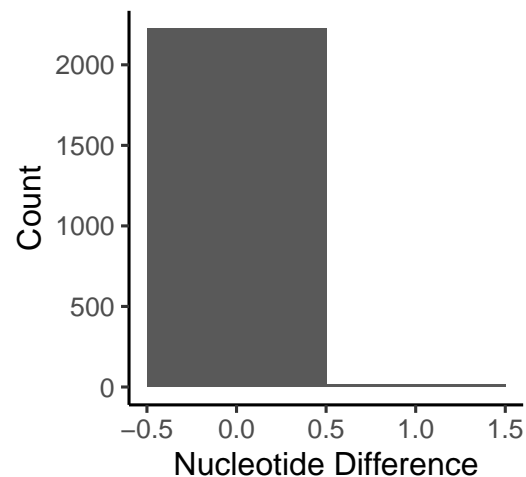
TRBV5-1*ap01

18299 sequences assigned
18156 (99.2%) exact matches, in which:
17746 unique CDR3
13 unique J



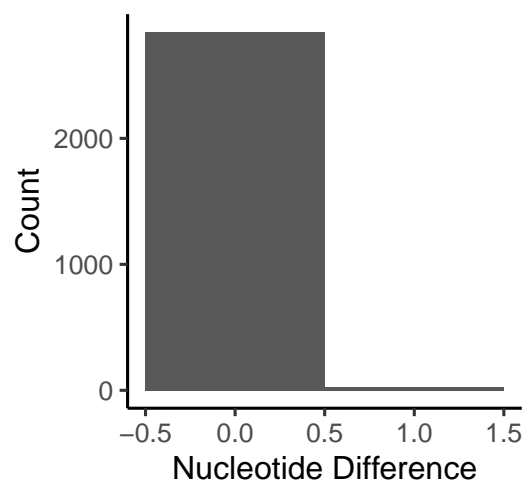
TRBV5-5*ap01

2237 sequences assigned
2224 (99.4%) exact matches, in which:
2208 unique CDR3
13 unique J



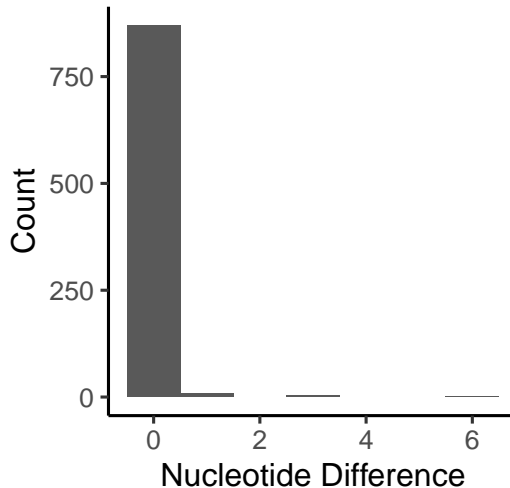
TRBV4-2*ap01

2871 sequences assigned
2844 (99.1%) exact matches, in which:
2783 unique CDR3
13 unique J



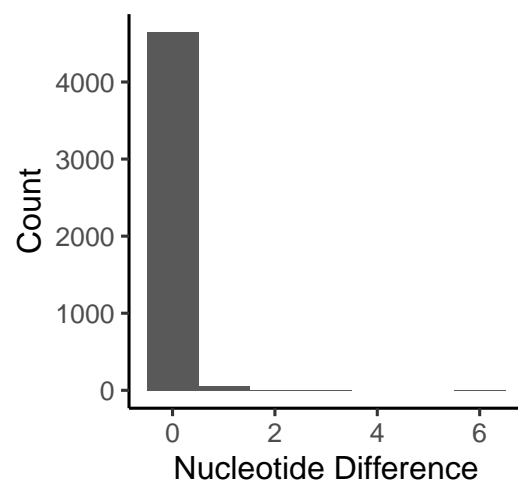
TRBV5-3*ap01

884 sequences assigned
870 (98.4%) exact matches, in which:
850 unique CDR3
13 unique J



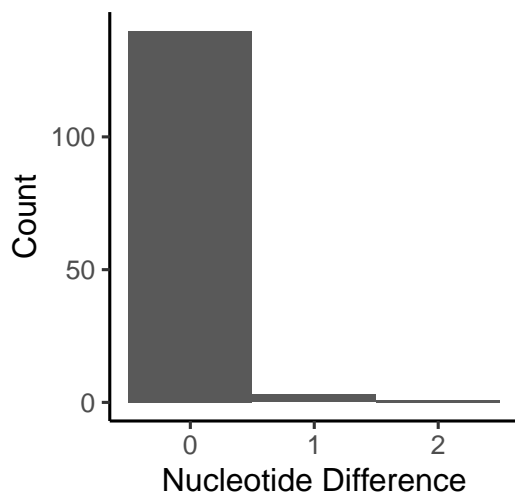
TRBV5-6*ap01

4708 sequences assigned
4648 (98.7%) exact matches, in which:
4495 unique CDR3
13 unique J



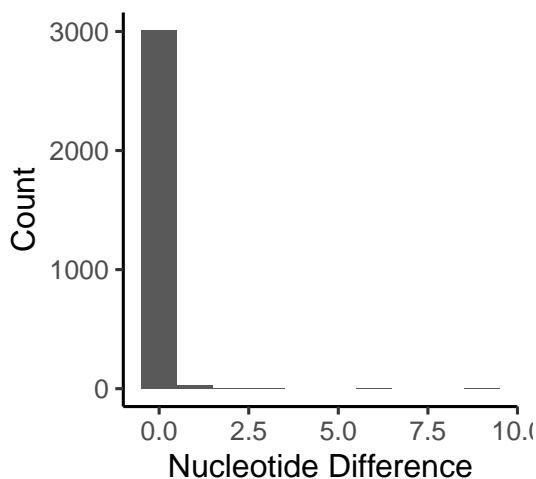
TRBV5-7*ap01

144 sequences assigned
140 (97.2%) exact matches, in which:
136 unique CDR3
13 unique J



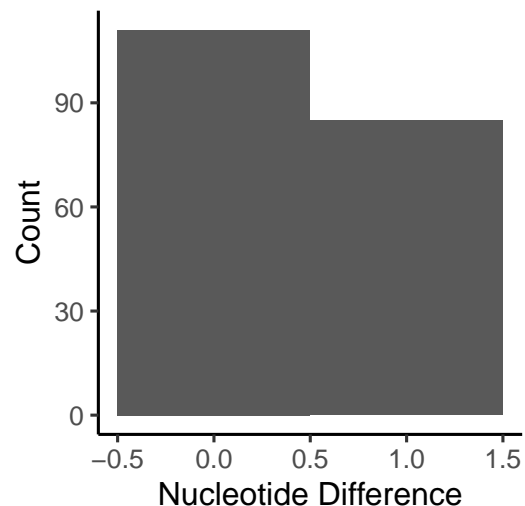
TRBV6-4*ap01

3046 sequences assigned
3009 (98.8%) exact matches, in which:
2973 unique CDR3
13 unique J



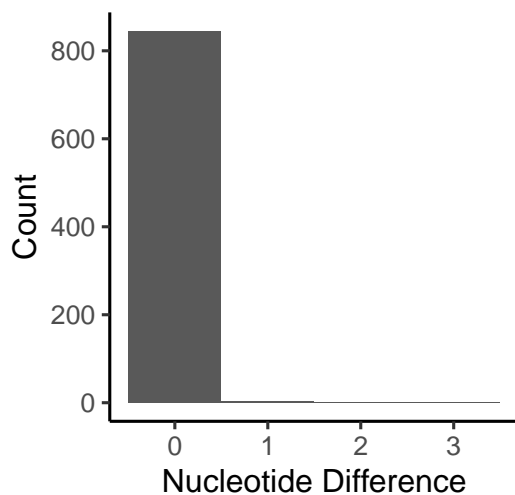
TRBV6-9*ap01

196 sequences assigned
111 (56.6%) exact matches, in which:
108 unique CDR3
12 unique J



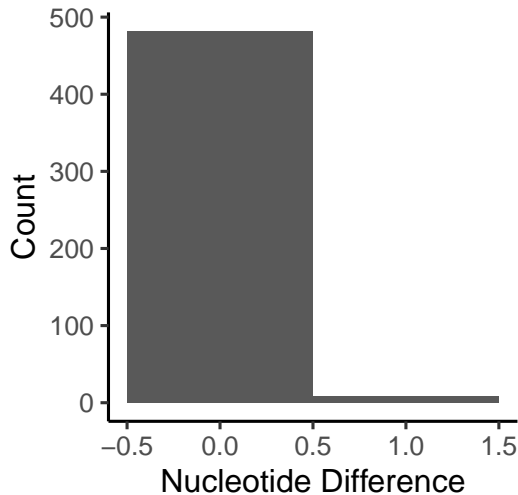
TRBV5-8*ap01

850 sequences assigned
845 (99.4%) exact matches, in which:
821 unique CDR3
13 unique J



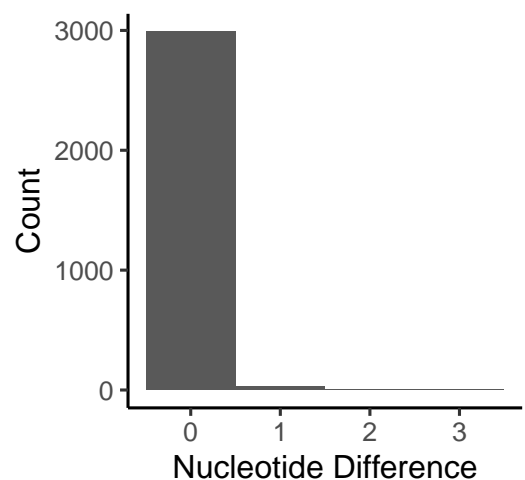
TRBV6-7*ap01

490 sequences assigned
482 (98.4%) exact matches, in which:
466 unique CDR3
13 unique J



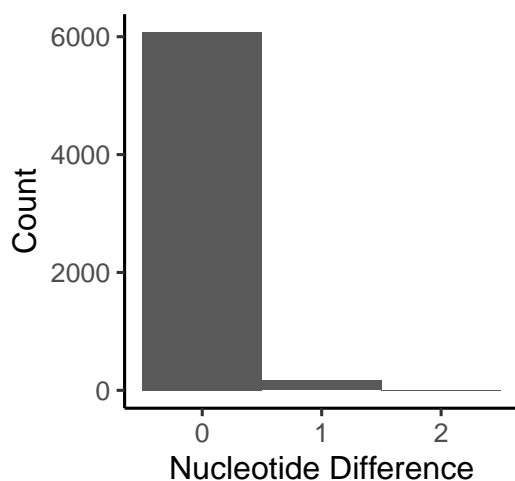
TRBV6-23*ap01

3018 sequences assigned
2989 (99%) exact matches, in which:
2884 unique CDR3
13 unique J



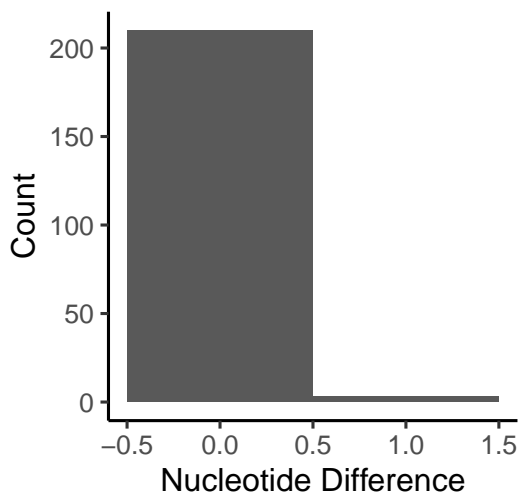
TRBV6-1*ap01

6246 sequences assigned
6079 (97.3%) exact matches, in which:
5912 unique CDR3
13 unique J



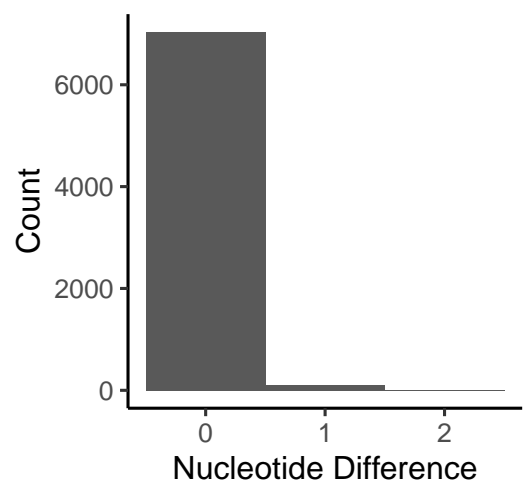
TRBV6-8*ap01

213 sequences assigned
210 (98.6%) exact matches, in which:
203 unique CDR3
13 unique J



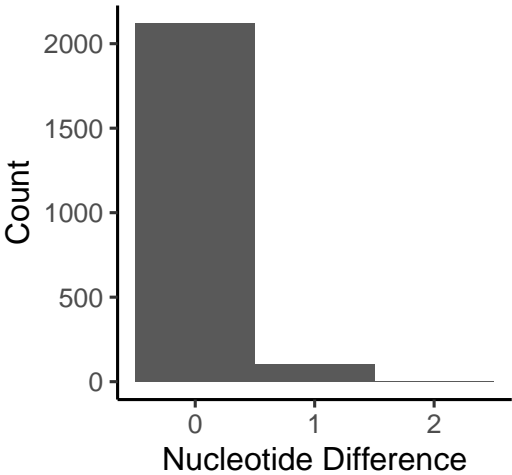
TRBV6-56*ap01

7137 sequences assigned
7035 (98.6%) exact matches, in which:
6846 unique CDR3
13 unique J



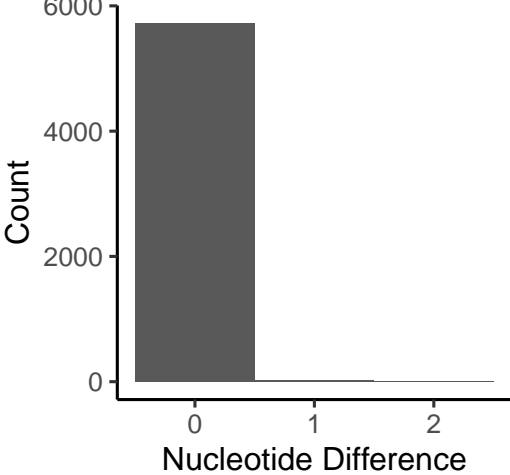
TRBV6-56*ap02

2227 sequences assigned
2120 (95.2%) exact matches, in which:
2069 unique CDR3
13 unique J



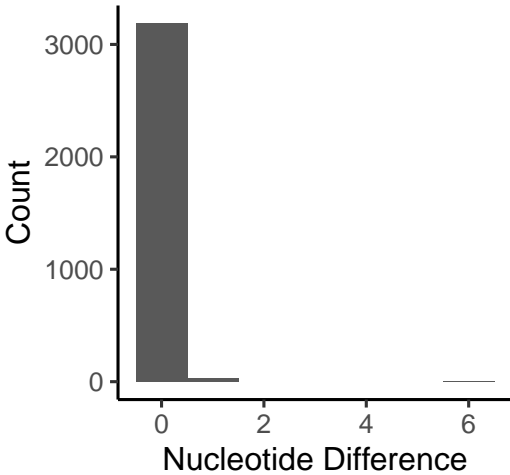
TRBV7-2*ap01

5749 sequences assigned
5720 (99.5%) exact matches, in which:
5611 unique CDR3
13 unique J



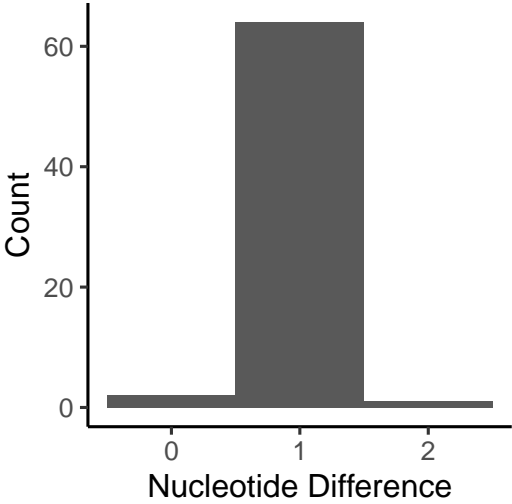
TRBV7-6*ap01

3220 sequences assigned
3187 (99%) exact matches, in which:
3108 unique CDR3
13 unique J



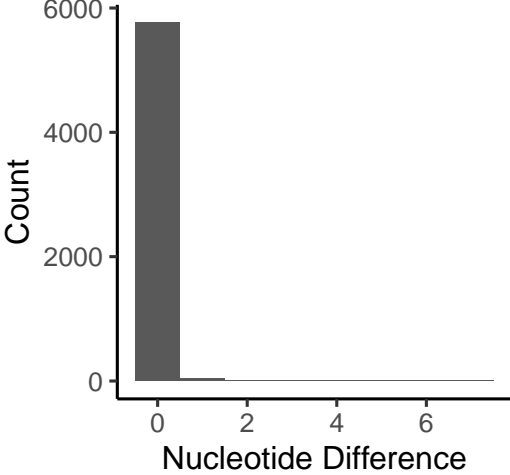
TRBV7-1*ap01_T296C

67 sequences assigned
2 (3%) exact matches, in which:
2 unique CDR3
2 unique J



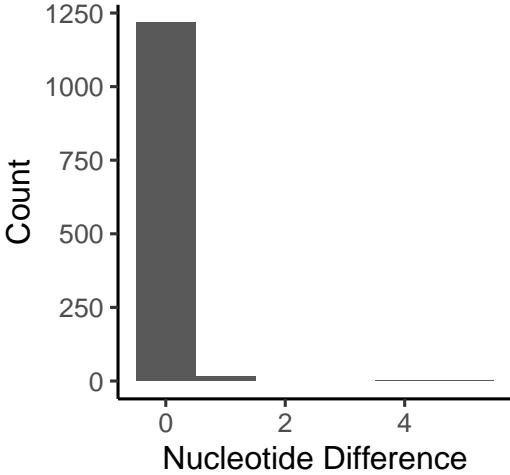
TRBV7-3*ap01

5813 sequences assigned
5763 (99.1%) exact matches, in which:
5686 unique CDR3
13 unique J



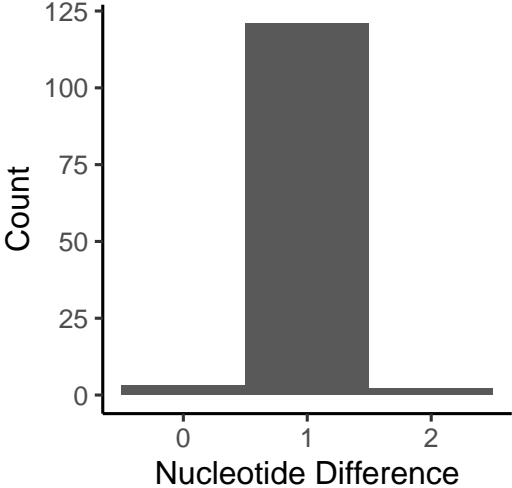
TRBV7-7*ap01

1235 sequences assigned
1217 (98.5%) exact matches, in which:
1196 unique CDR3
13 unique J



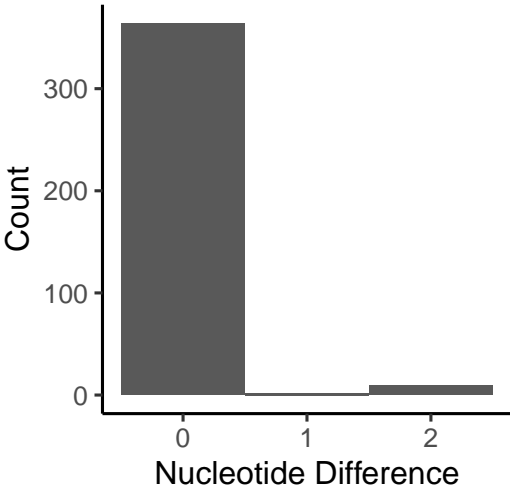
TRBV7-1*ap01_T296C_(

126 sequences assigned
3 (2.4%) exact matches, in which:
3 unique CDR3
3 unique J



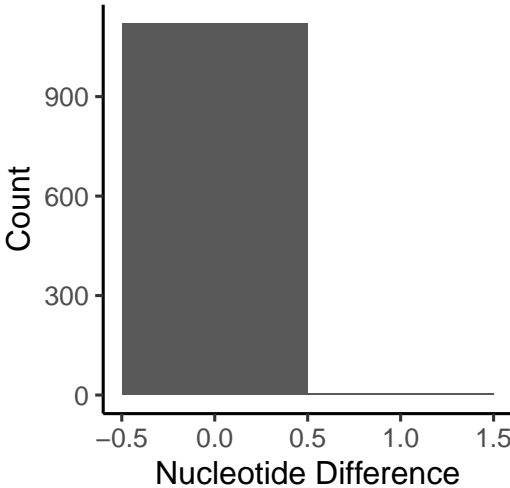
TRBV7-4*ap01

375 sequences assigned
364 (97.1%) exact matches, in which:
357 unique CDR3
13 unique J



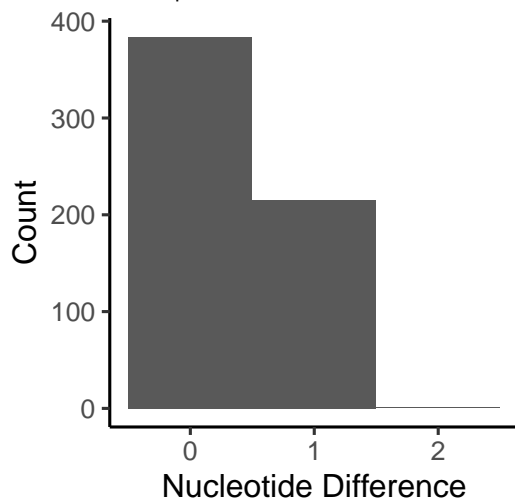
TRBV7-8*ap01

1125 sequences assigned
1121 (99.6%) exact matches, in which:
1098 unique CDR3
13 unique J



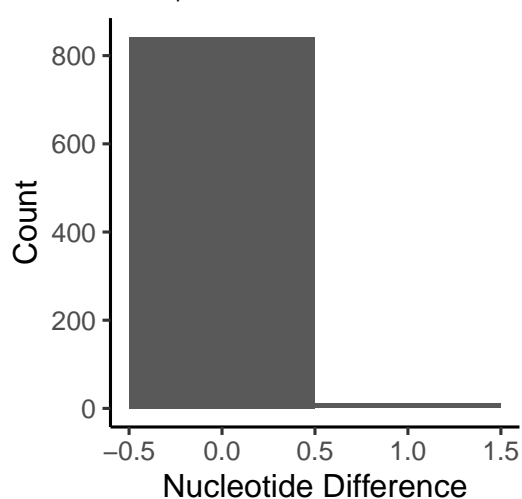
TRBV7–8*ap03

600 sequences assigned
384 (64%) exact matches, in which:
375 unique CDR3
13 unique J



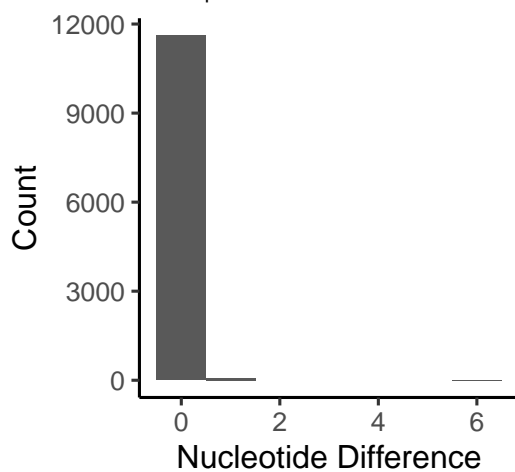
TRBV29–1*ap02

854 sequences assigned
843 (98.7%) exact matches, in which:
820 unique CDR3
13 unique J



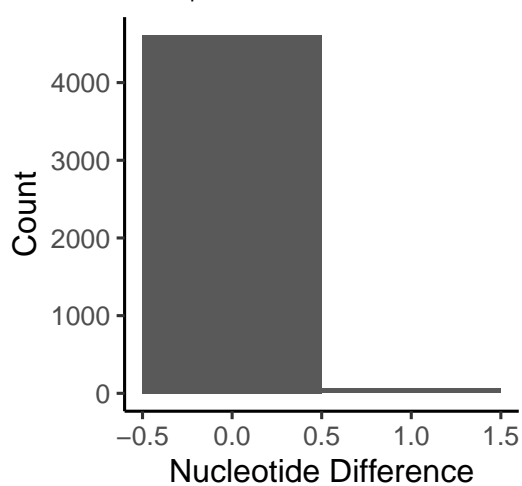
TRBV7–9*ap01

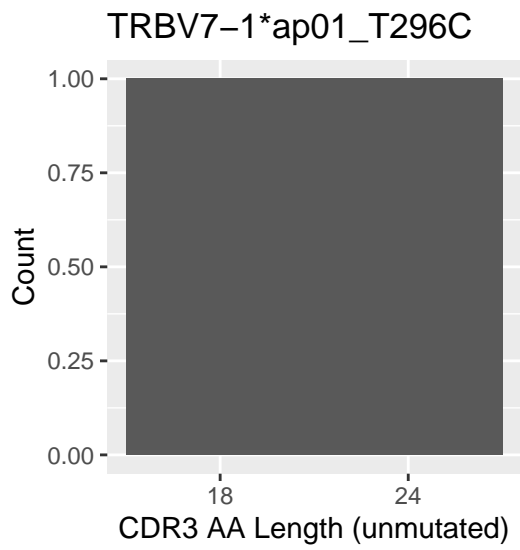
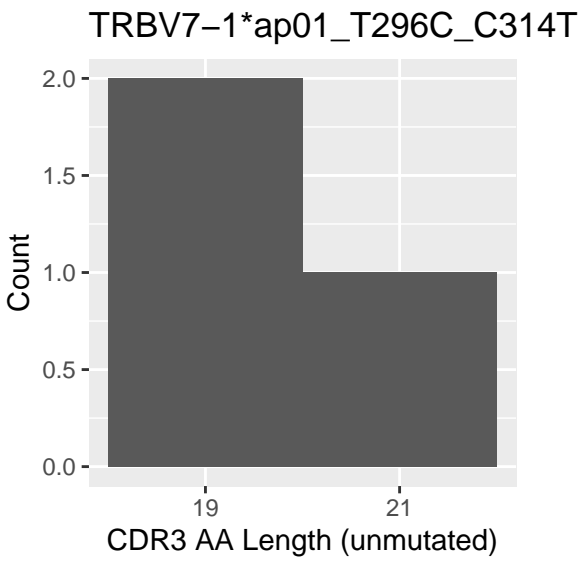
11690 sequences assigned
11615 (99.4%) exact matches, in which:
11411 unique CDR3
13 unique J



TRBV29–1*ap01

4676 sequences assigned
4612 (98.6%) exact matches, in which:
4481 unique CDR3
13 unique J







[illegible]