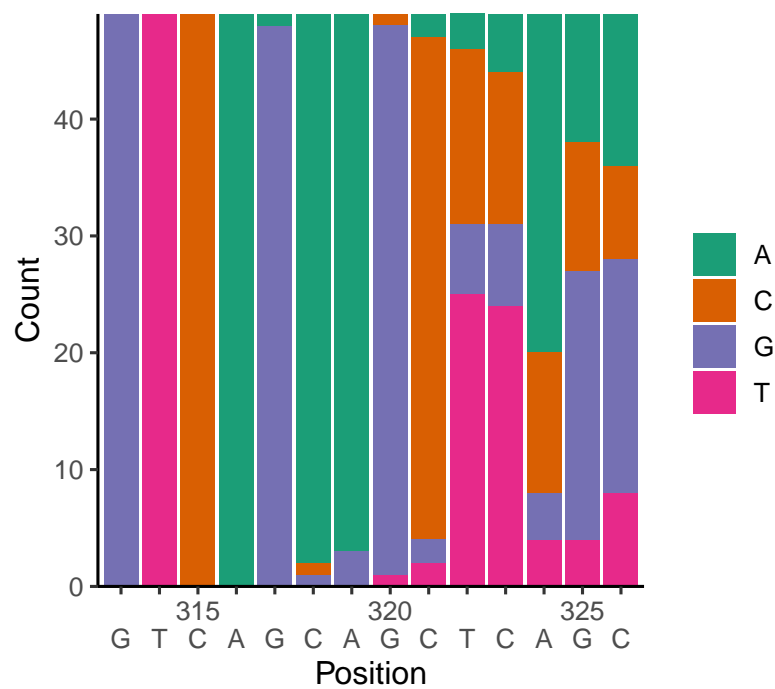
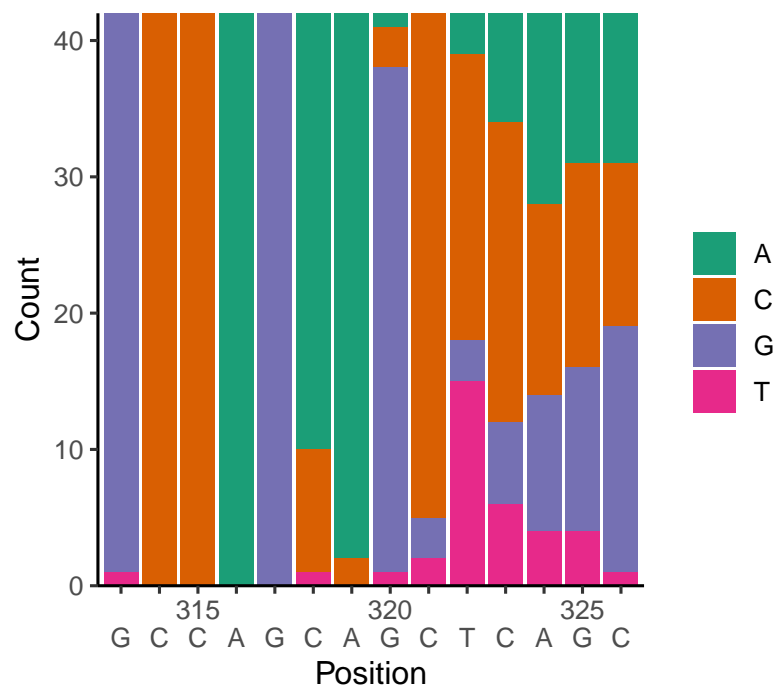


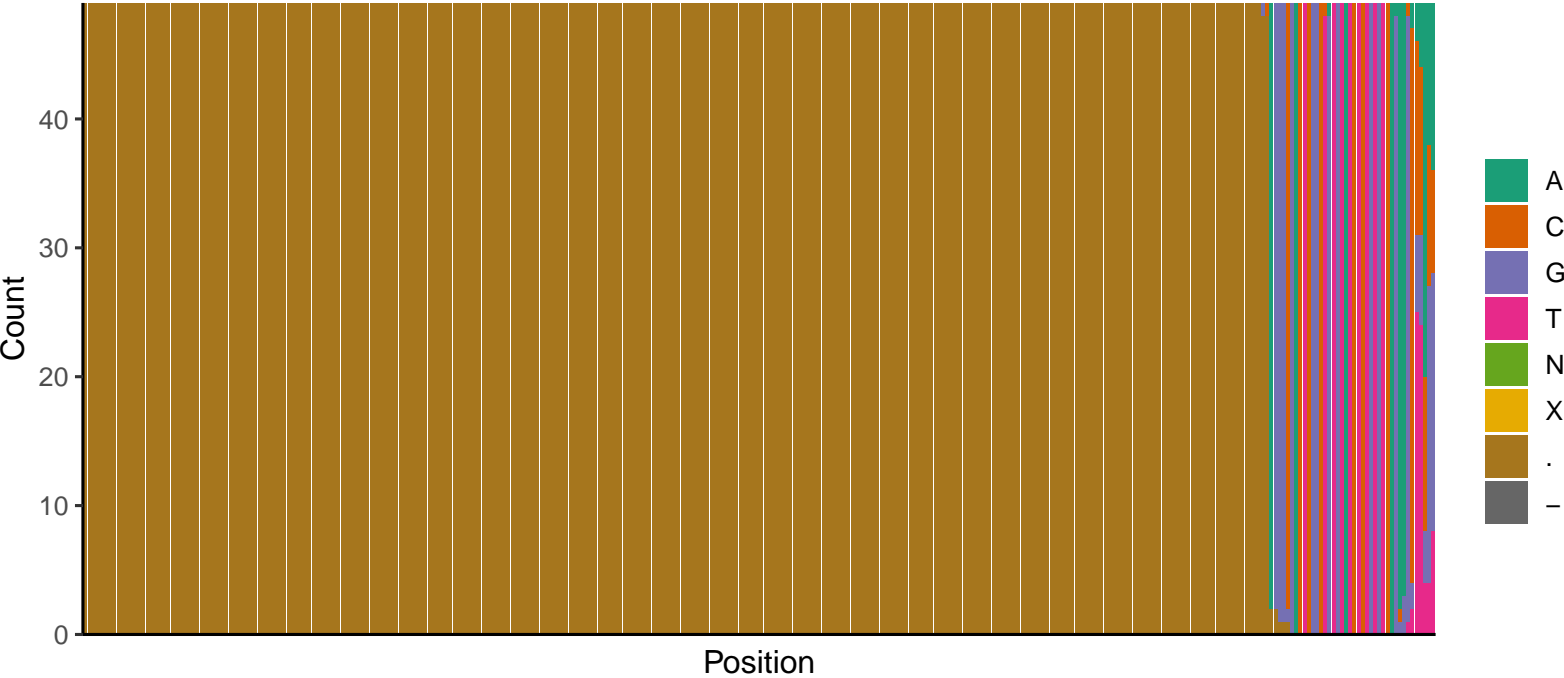
Gene TRBV7-1*ap01_T296C_C314T



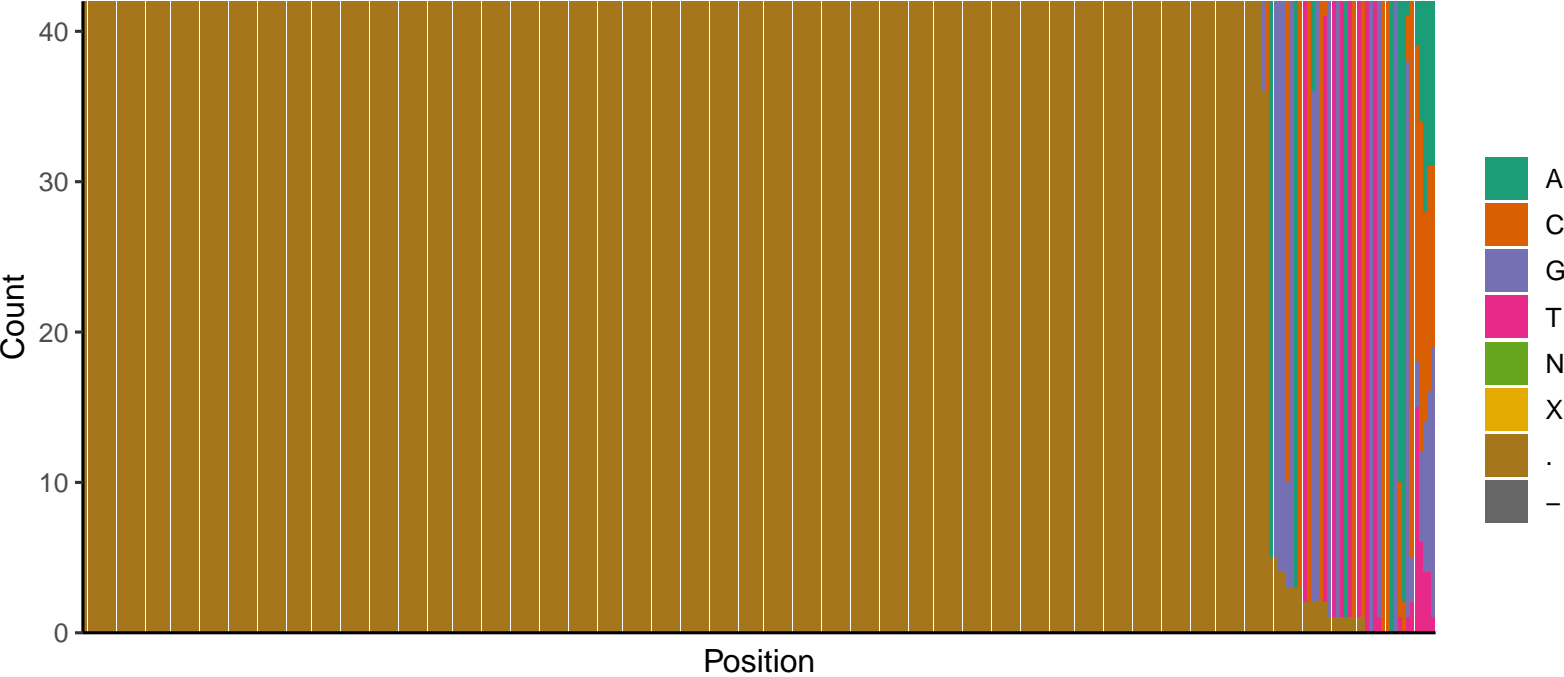
Gene TRBV7-1*ap01_T296C



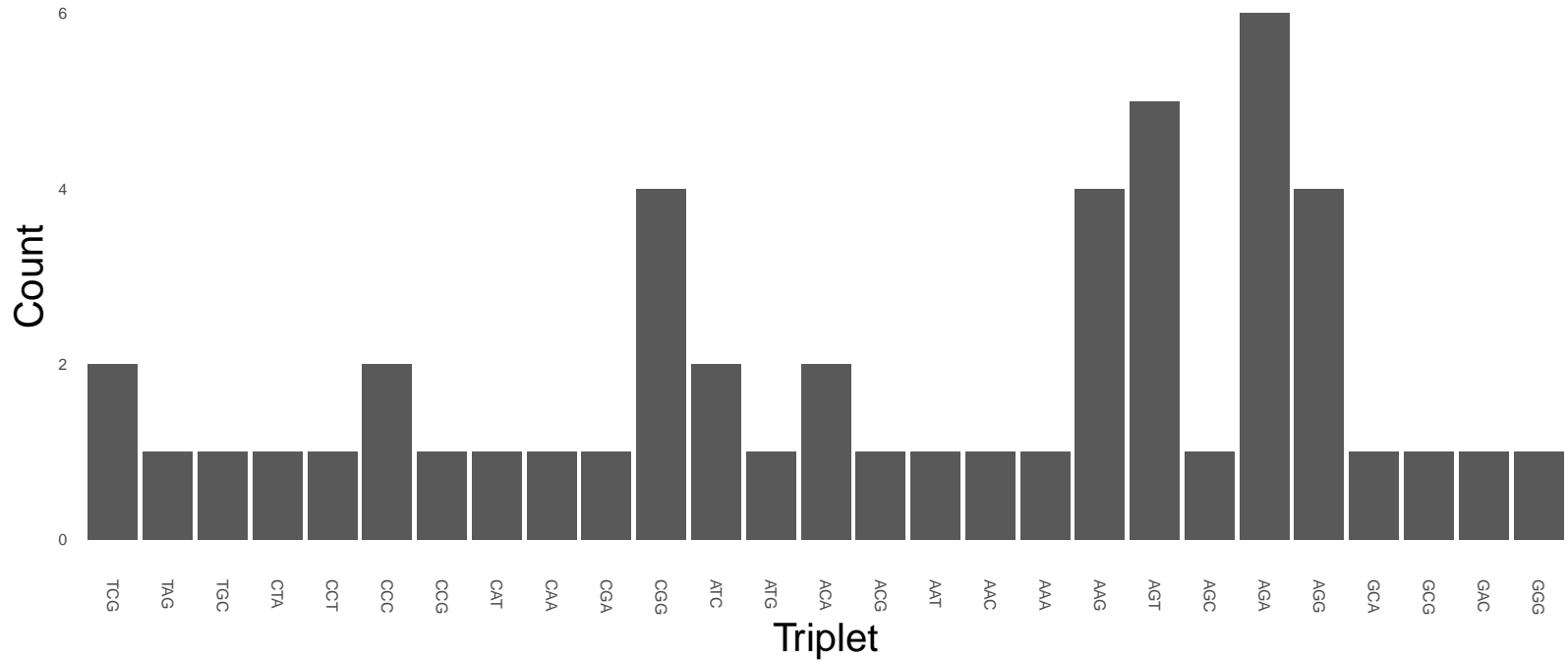
Gene TRBV7-1*ap01_T296C_C314T



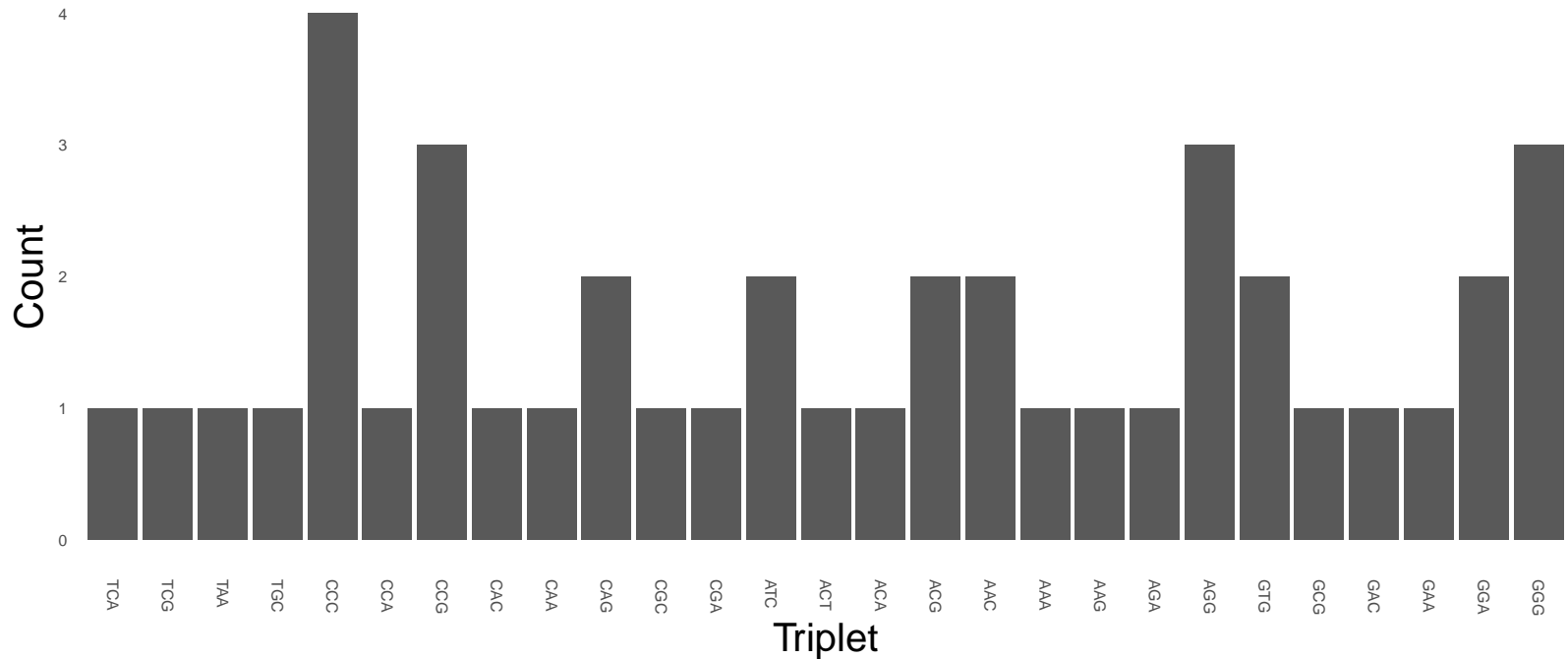
Gene TRBV7-1*ap01_T296C



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

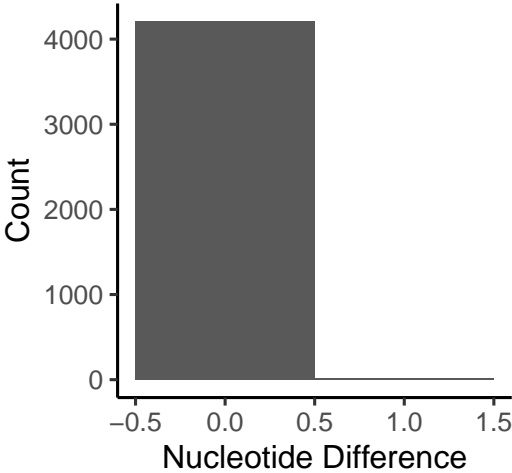


TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet



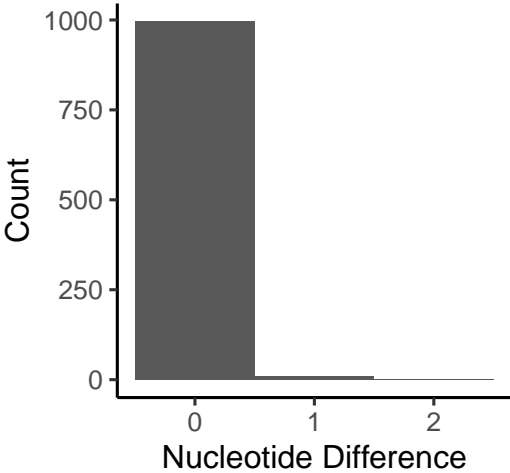
TRBV20-1*ap01

4229 sequences assigned
4208 (99.5%) exact matches, in which:
4188 unique CDR3
13 unique J



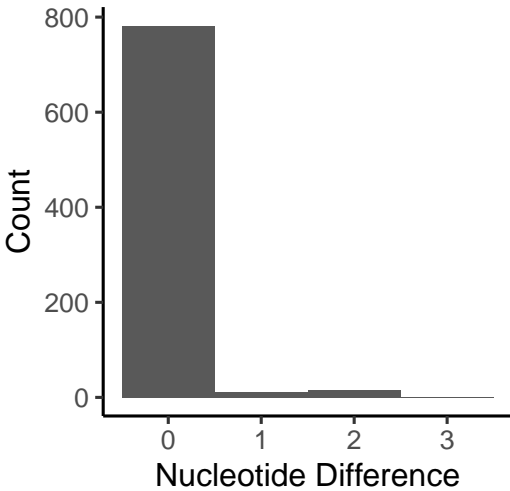
TRBV10-2*ap01

1006 sequences assigned
996 (99%) exact matches, in which:
988 unique CDR3
13 unique J



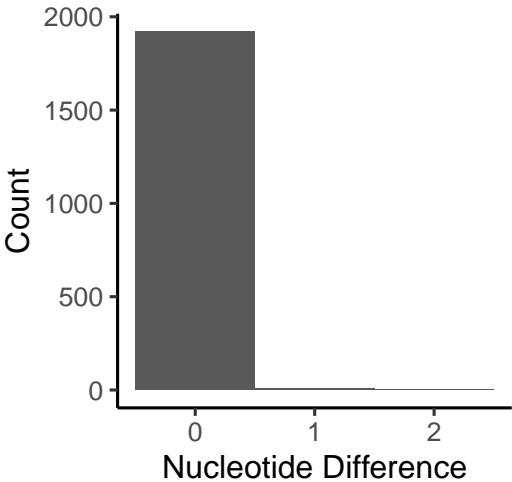
TRBV13*ap01

810 sequences assigned
782 (96.5%) exact matches, in which:
774 unique CDR3
13 unique J



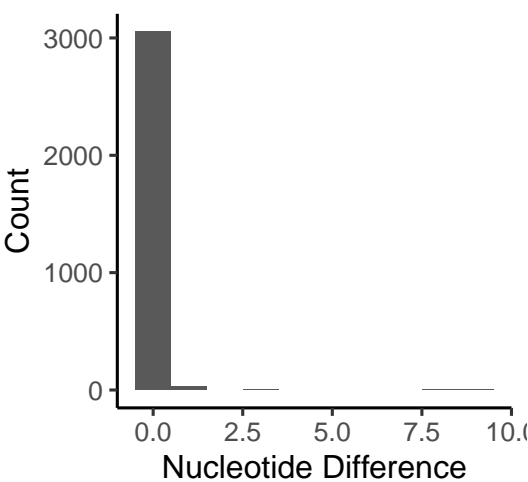
TRBV10-1*ap01

1930 sequences assigned
1920 (99.5%) exact matches, in which:
1897 unique CDR3
13 unique J



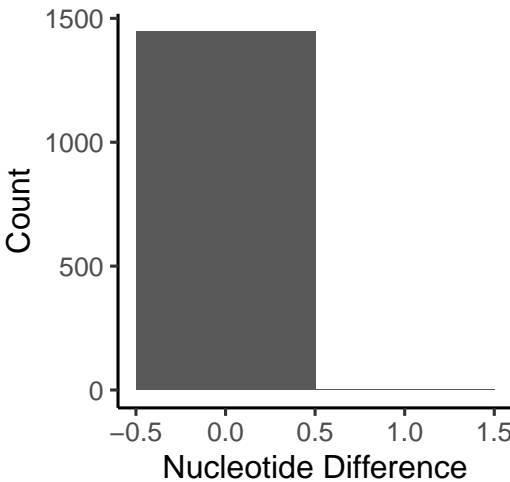
TRBV10-3*ap01

3087 sequences assigned
3053 (98.9%) exact matches, in which:
3031 unique CDR3
13 unique J



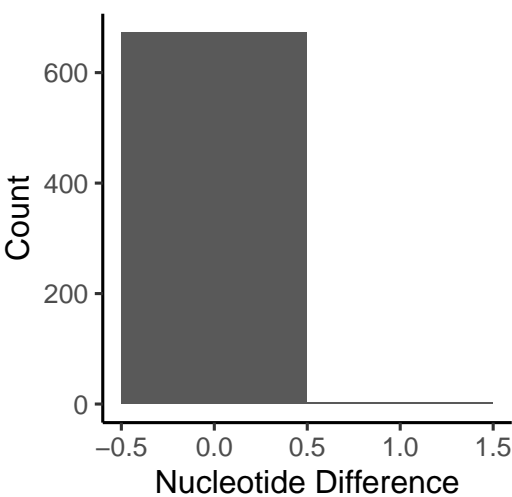
TRBV14*ap01

1449 sequences assigned
1446 (99.8%) exact matches, in which:
1438 unique CDR3
13 unique J



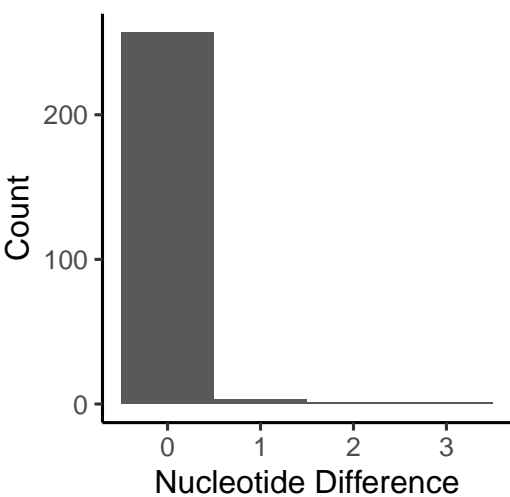
TRBV20-1*ap02

675 sequences assigned
673 (99.7%) exact matches, in which:
665 unique CDR3
13 unique J



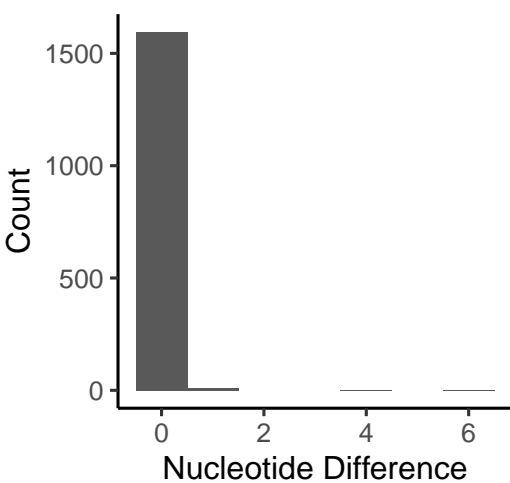
TRBV1*ap01

262 sequences assigned
257 (98.1%) exact matches, in which:
256 unique CDR3
13 unique J



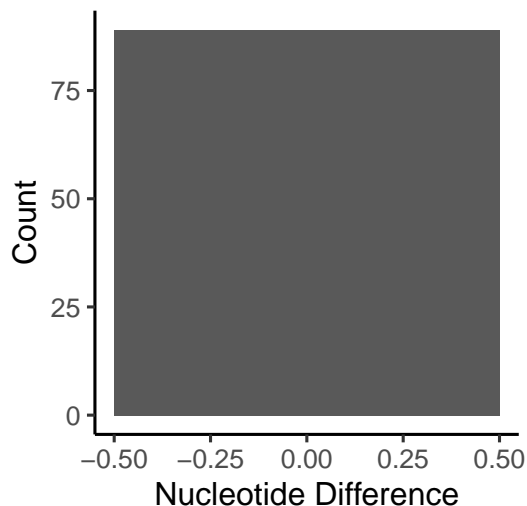
TRBV15*ap02

1608 sequences assigned
1595 (99.2%) exact matches, in which:
1585 unique CDR3
13 unique J



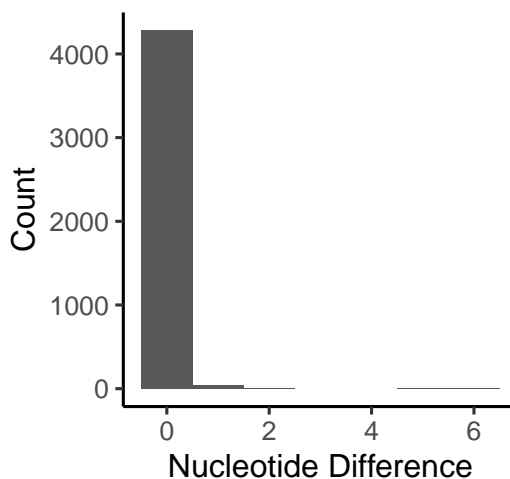
TRBV16*ap01

89 sequences assigned
89 (100%) exact matches, in which:
88 unique CDR3
12 unique J



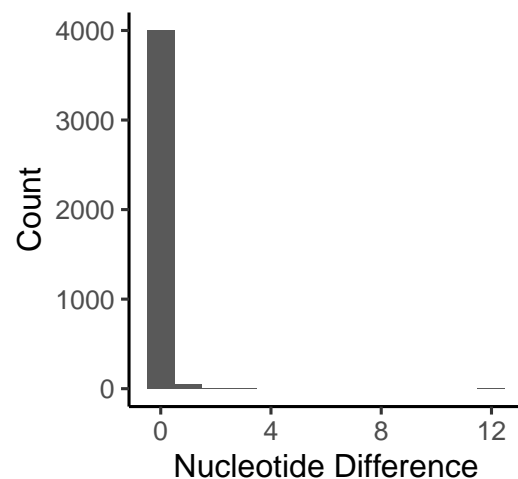
TRBV2*ap01

4327 sequences assigned
4281 (98.9%) exact matches, in which:
4249 unique CDR3
13 unique J



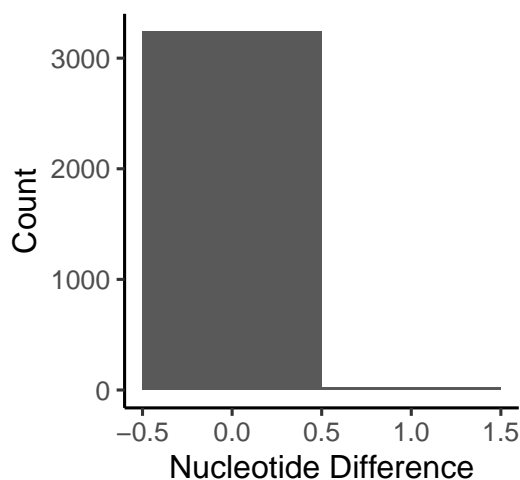
TRBV30*ap01

4049 sequences assigned
4001 (98.8%) exact matches, in which:
3977 unique CDR3
13 unique J



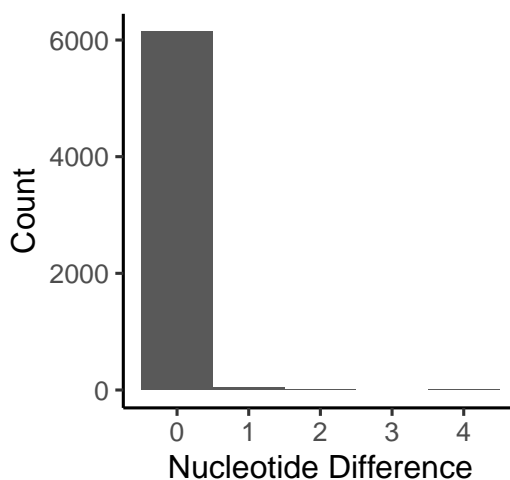
TRBV18*ap01

3258 sequences assigned
3239 (99.4%) exact matches, in which:
3231 unique CDR3
13 unique J



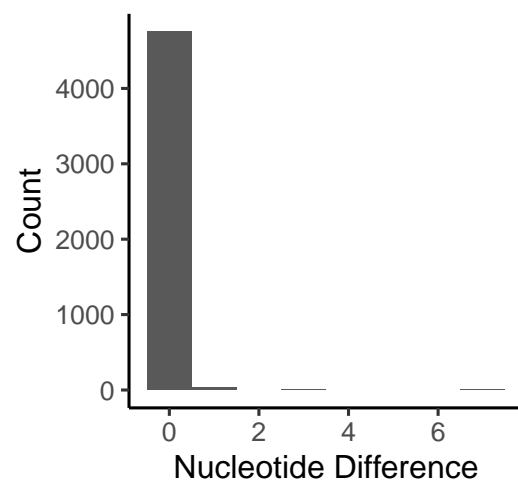
TRBV27*ap01

6198 sequences assigned
6142 (99.1%) exact matches, in which:
6079 unique CDR3
13 unique J



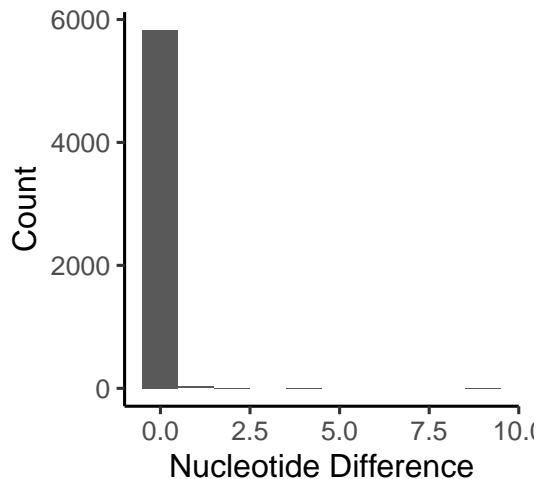
TRBV9*ap01

4785 sequences assigned
4752 (99.3%) exact matches, in which:
4708 unique CDR3
13 unique J



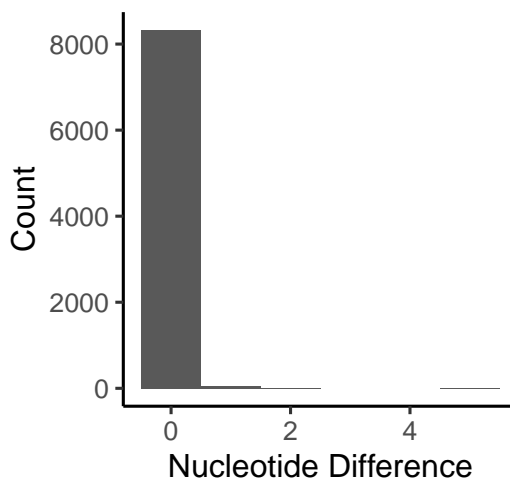
TRBV19*ap01

5865 sequences assigned
5828 (99.4%) exact matches, in which:
5810 unique CDR3
13 unique J



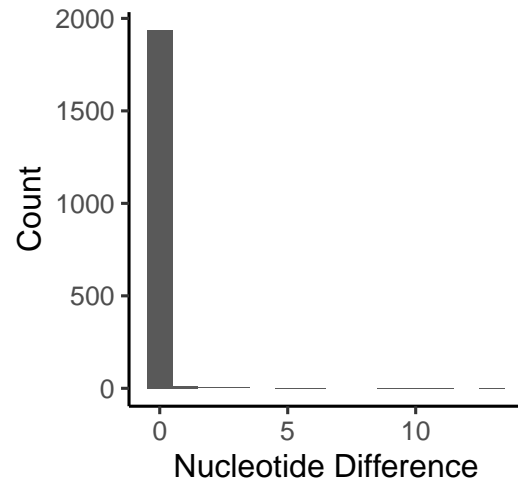
TRBV28*ap01

8377 sequences assigned
8326 (99.4%) exact matches, in which:
8279 unique CDR3
13 unique J



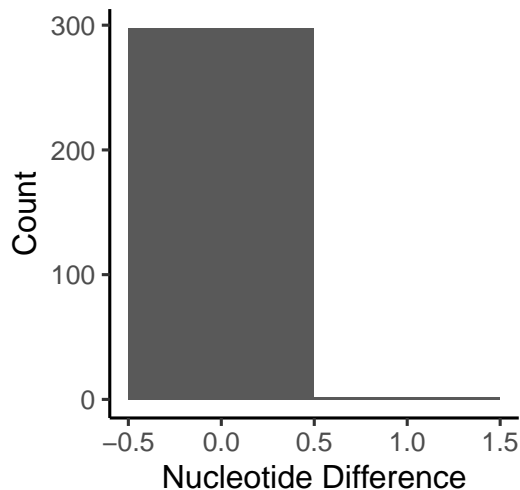
TRBV21-1*ap01

1969 sequences assigned
1937 (98.4%) exact matches, in which:
1932 unique CDR3
13 unique J



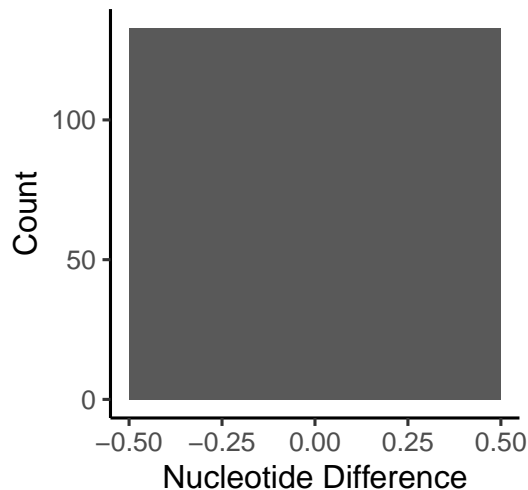
TRBV11-1*ap01

300 sequences assigned
298 (99.3%) exact matches, in which:
296 unique CDR3
13 unique J



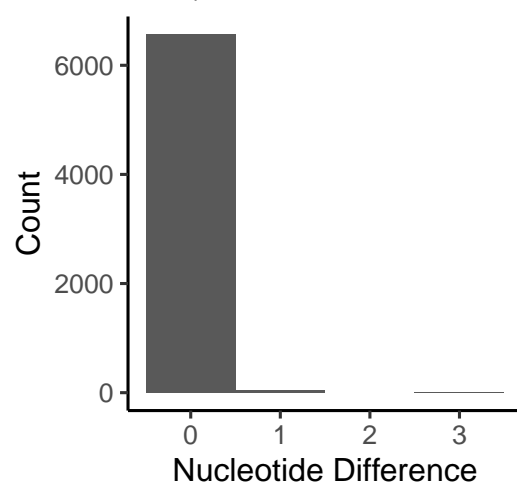
TRBV12-1*ap01

133 sequences assigned
133 (100%) exact matches, in which:
133 unique CDR3
13 unique J



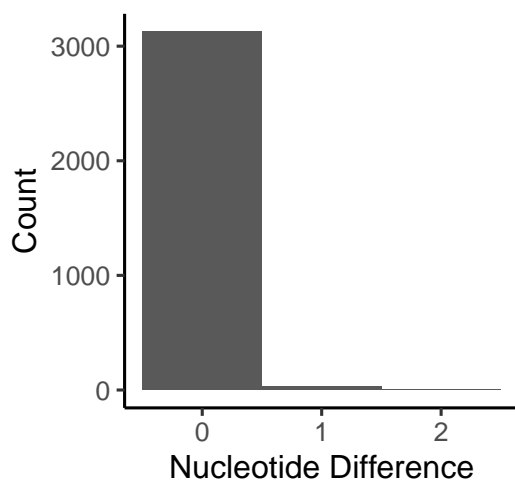
TRBV12-34*ap01

6610 sequences assigned
6566 (99.3%) exact matches, in which:
6527 unique CDR3
13 unique J



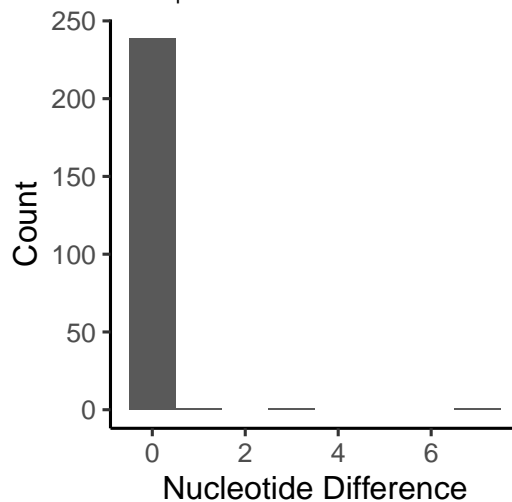
TRBV11-2*ap01

3164 sequences assigned
3126 (98.8%) exact matches, in which:
3098 unique CDR3
13 unique J



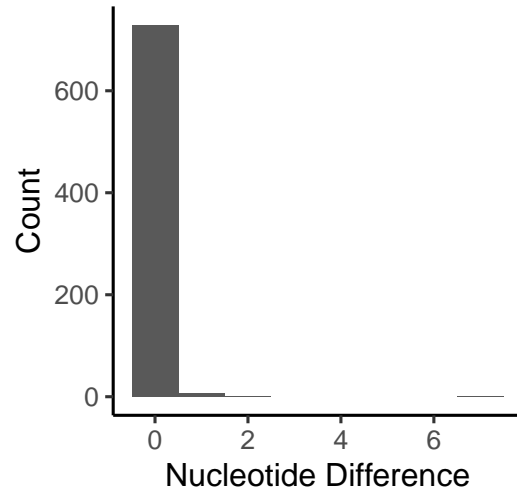
TRBV12-2*ap01

242 sequences assigned
239 (98.8%) exact matches, in which:
237 unique CDR3
13 unique J



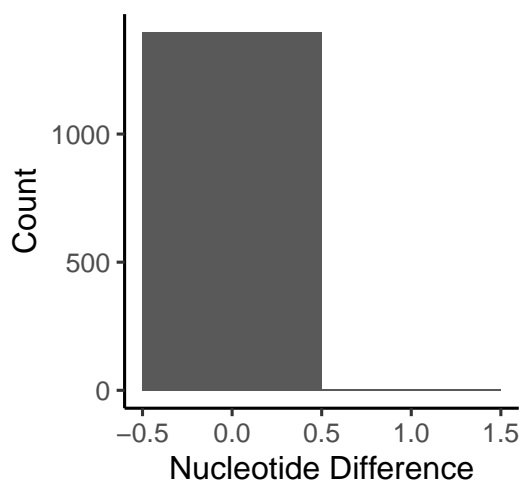
TRBV23-1*ap01

737 sequences assigned
729 (98.9%) exact matches, in which:
723 unique CDR3
13 unique J



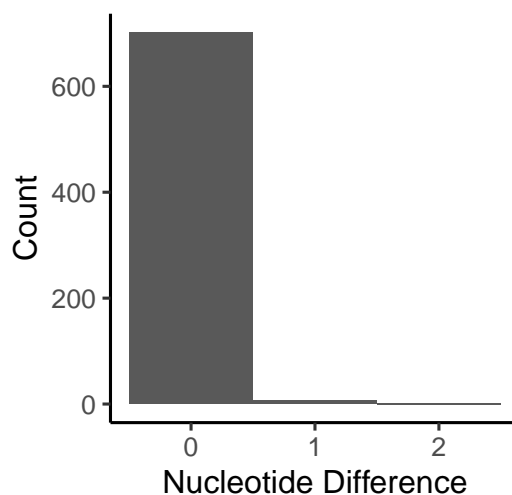
TRBV11-3*ap01

1403 sequences assigned
1398 (99.6%) exact matches, in which:
1386 unique CDR3
13 unique J



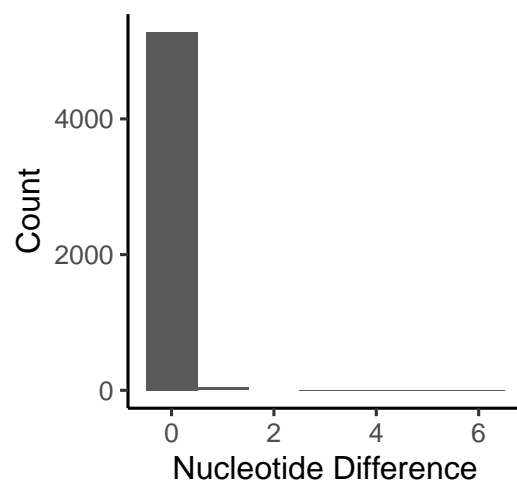
TRBV12-5*ap01

710 sequences assigned
702 (98.9%) exact matches, in which:
694 unique CDR3
13 unique J



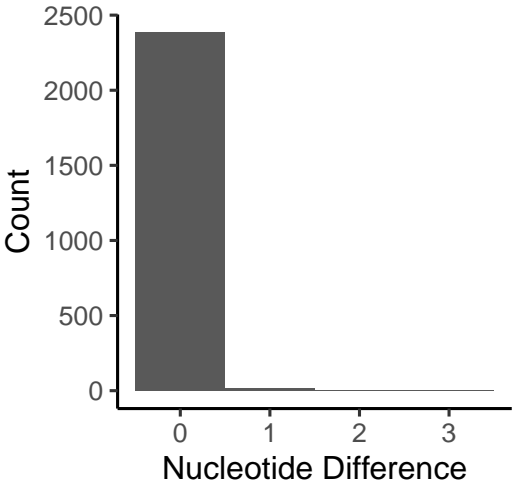
TRBV3-12*ap01

5324 sequences assigned
5280 (99.2%) exact matches, in which:
5247 unique CDR3
13 unique J



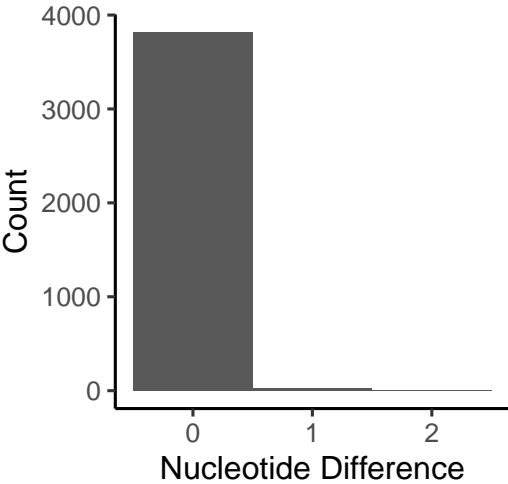
TRBV4-1*ap01

2405 sequences assigned
2385 (99.2%) exact matches, in which:
2376 unique CDR3
13 unique J



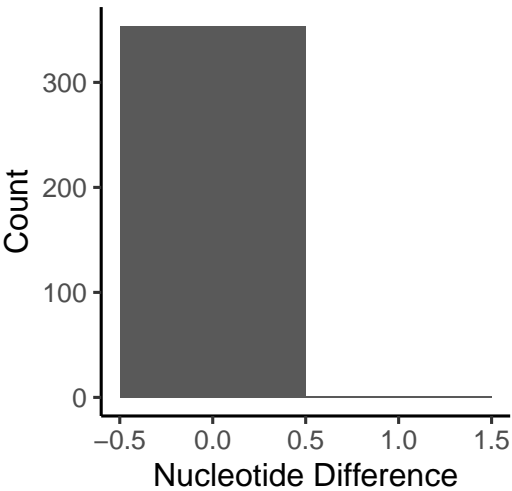
TRBV4-3*ap01

3850 sequences assigned
3815 (99.1%) exact matches, in which:
3788 unique CDR3
13 unique J



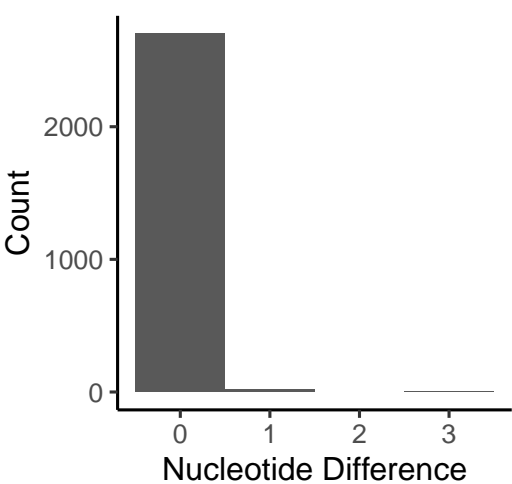
TRBV5-3*ap01

355 sequences assigned
354 (99.7%) exact matches, in which:
351 unique CDR3
13 unique J



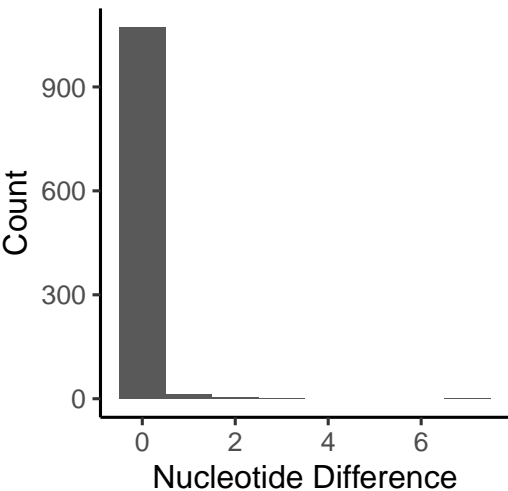
TRBV24-1*ap01

2724 sequences assigned
2701 (99.2%) exact matches, in which:
2686 unique CDR3
13 unique J



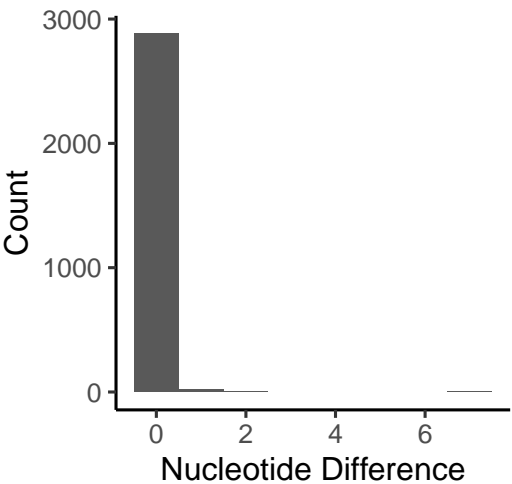
TRBV25-1*ap01

1090 sequences assigned
1073 (98.4%) exact matches, in which:
1067 unique CDR3
13 unique J



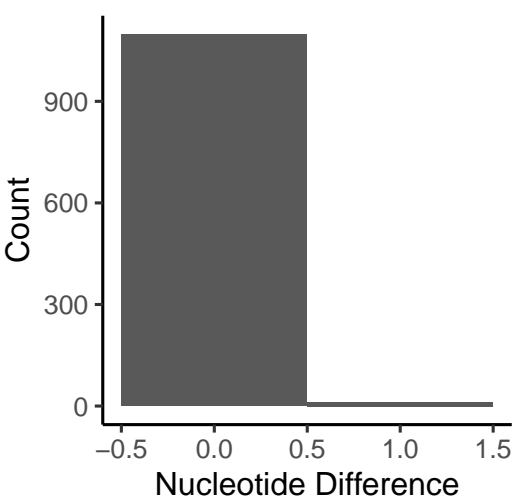
TRBV5-4*ap01

2906 sequences assigned
2882 (99.2%) exact matches, in which:
2864 unique CDR3
13 unique J



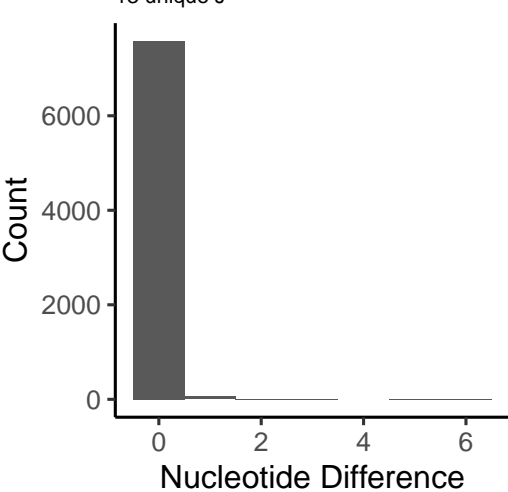
TRBV4-2*ap01

1110 sequences assigned
1098 (98.9%) exact matches, in which:
1095 unique CDR3
13 unique J



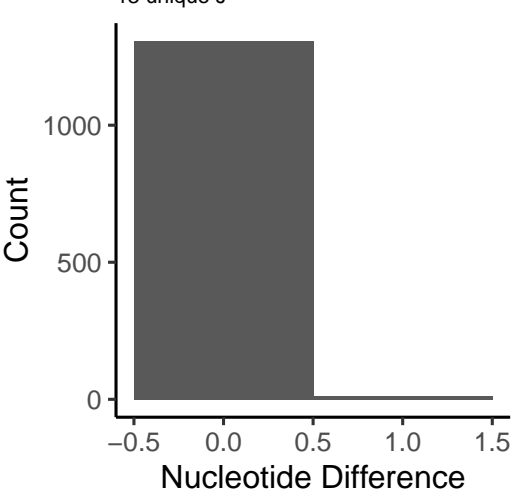
TRBV5-1*ap01

7648 sequences assigned
7581 (99.1%) exact matches, in which:
7479 unique CDR3
13 unique J



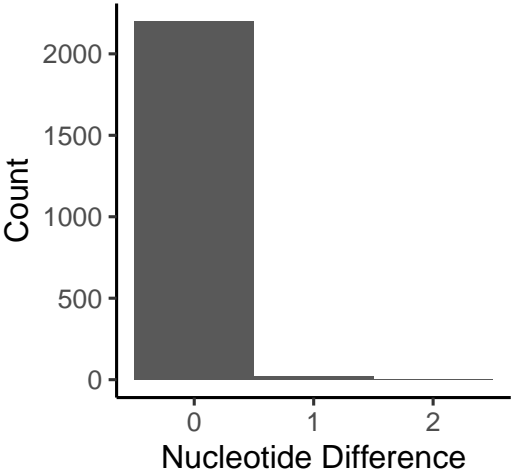
TRBV5-5*ap01

1318 sequences assigned
1307 (99.2%) exact matches, in which:
1289 unique CDR3
13 unique J



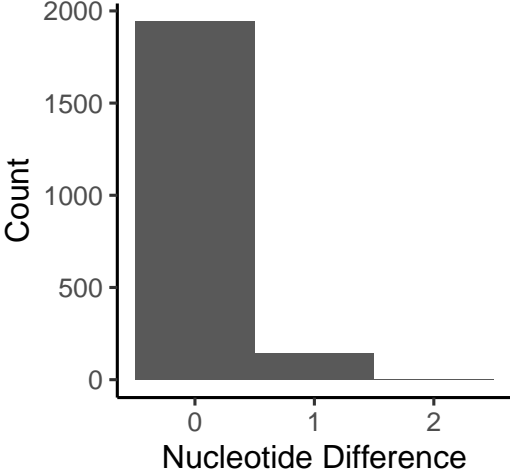
TRBV5-6*ap01

2223 sequences assigned
2199 (98.9%) exact matches, in which:
2177 unique CDR3
13 unique J



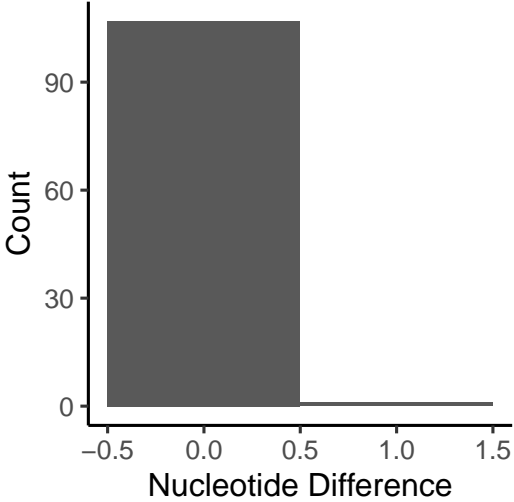
TRBV6-1*ap01

2090 sequences assigned
1943 (93%) exact matches, in which:
1922 unique CDR3
13 unique J



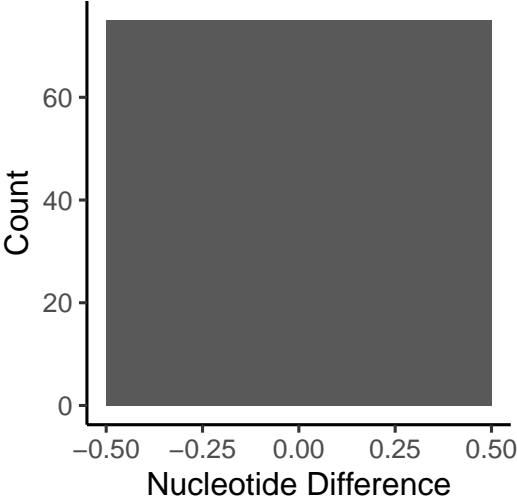
TRBV6-8*ap01

108 sequences assigned
107 (99.1%) exact matches, in which:
106 unique CDR3
13 unique J



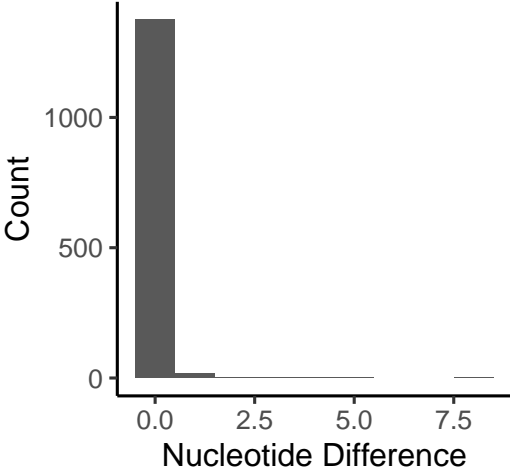
TRBV5-7*ap01

75 sequences assigned
75 (100%) exact matches, in which:
75 unique CDR3
13 unique J



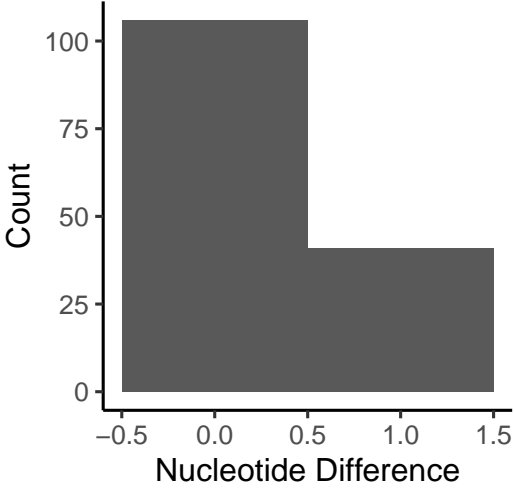
TRBV6-4*ap01

1398 sequences assigned
1375 (98.4%) exact matches, in which:
1366 unique CDR3
13 unique J



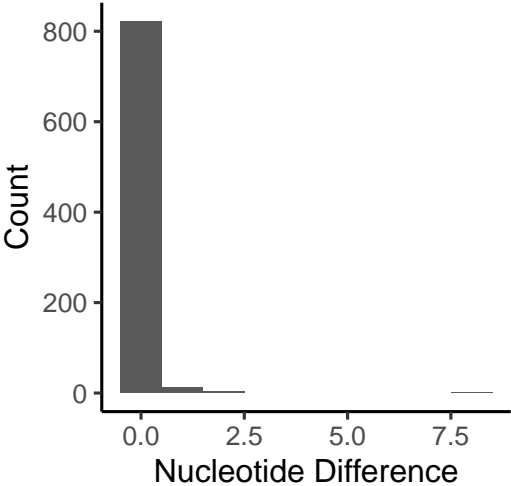
TRBV6-9*ap01

147 sequences assigned
106 (72.1%) exact matches, in which:
105 unique CDR3
13 unique J



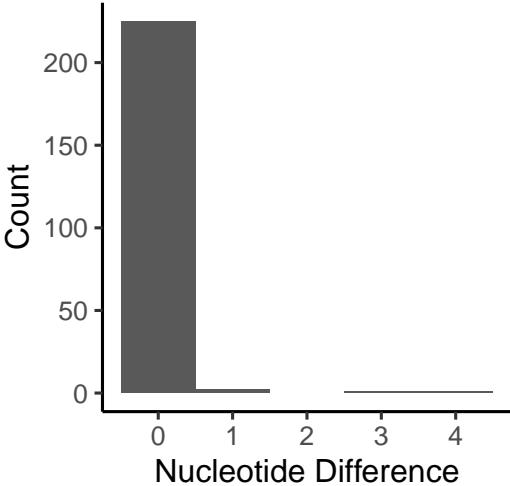
TRBV5-8*ap01

838 sequences assigned
822 (98.1%) exact matches, in which:
820 unique CDR3
13 unique J



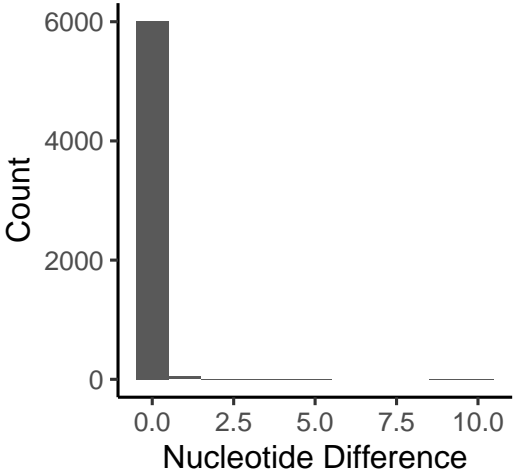
TRBV6-7*ap01

229 sequences assigned
225 (98.3%) exact matches, in which:
216 unique CDR3
13 unique J



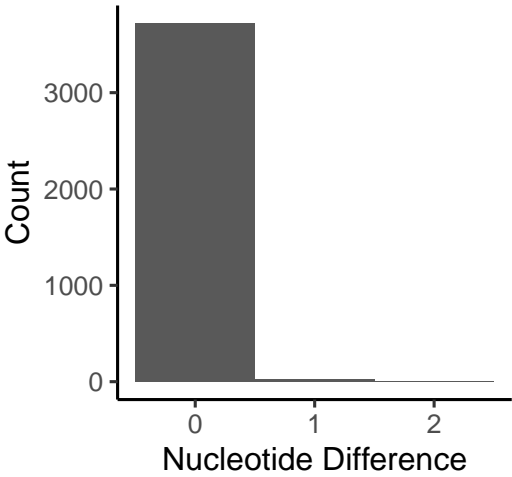
TRBV6-23*ap01

6070 sequences assigned
6011 (99%) exact matches, in which:
5957 unique CDR3
13 unique J



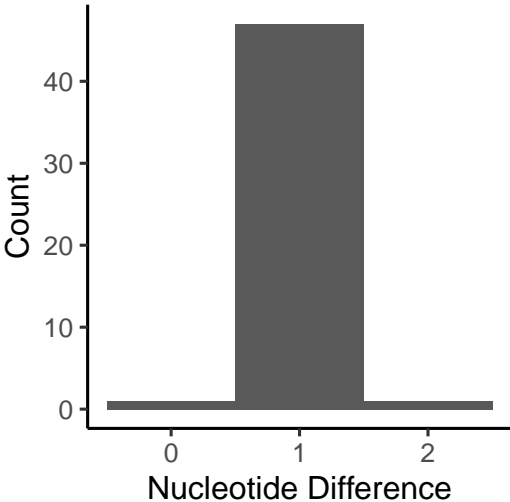
TRBV6-56*ap01

3747 sequences assigned
3719 (99.3%) exact matches, in which:
3671 unique CDR3
13 unique J



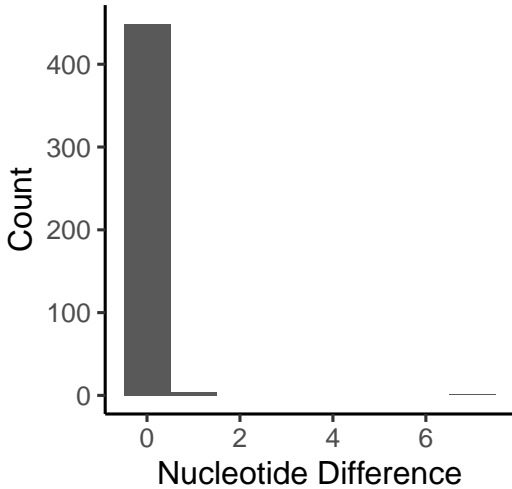
TRBV7-1*ap01_T296C_C

49 sequences assigned
1 (2%) exact matches, in which:
1 unique CDR3
1 unique J



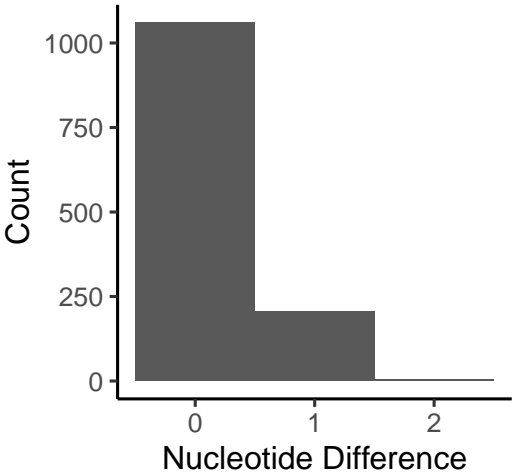
TRBV7-3*ap02

454 sequences assigned
449 (98.9%) exact matches, in which:
447 unique CDR3
13 unique J



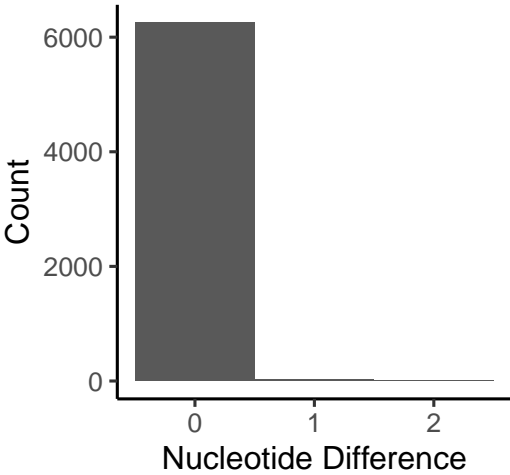
TRBV6-56*ap02

1271 sequences assigned
1060 (83.4%) exact matches, in which:
1042 unique CDR3
13 unique J



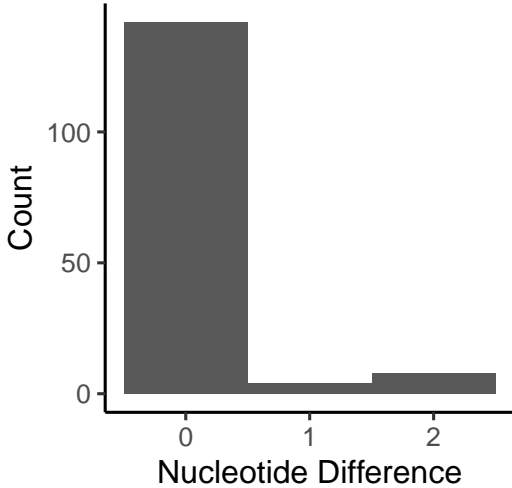
TRBV7-2*ap01

6285 sequences assigned
6252 (99.5%) exact matches, in which:
6223 unique CDR3
13 unique J



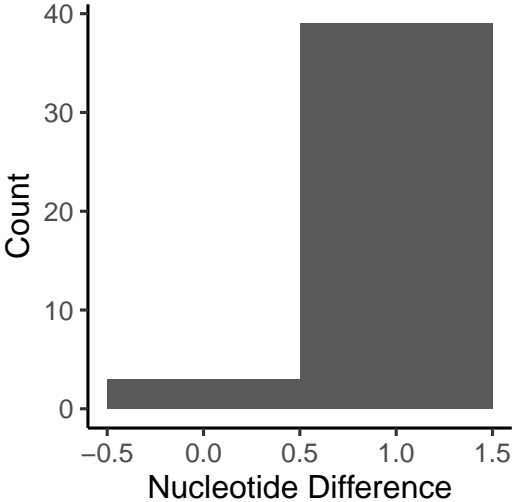
TRBV7-4*ap01

154 sequences assigned
142 (92.2%) exact matches, in which:
141 unique CDR3
13 unique J



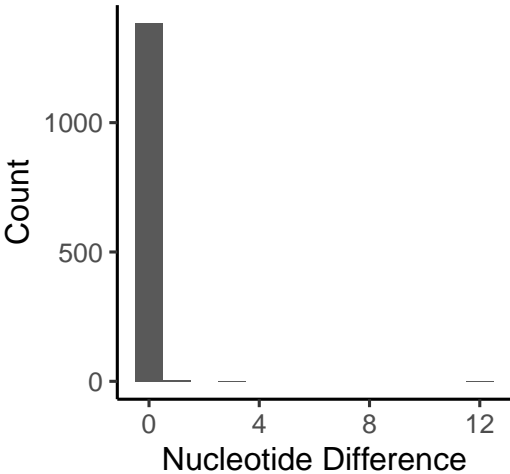
TRBV7-1*ap01_T296C

42 sequences assigned
3 (7.1%) exact matches, in which:
3 unique CDR3
2 unique J



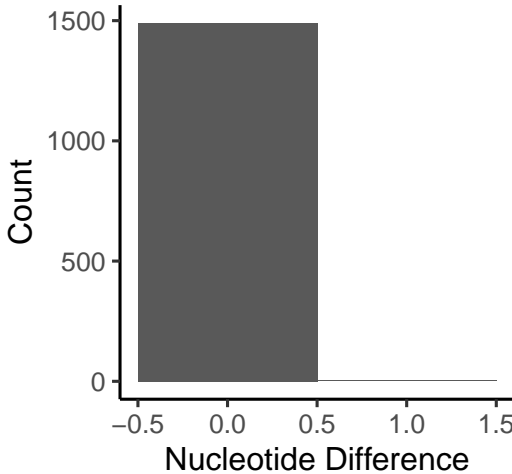
TRBV7-3*ap01

1393 sequences assigned
1385 (99.4%) exact matches, in which:
1379 unique CDR3
13 unique J



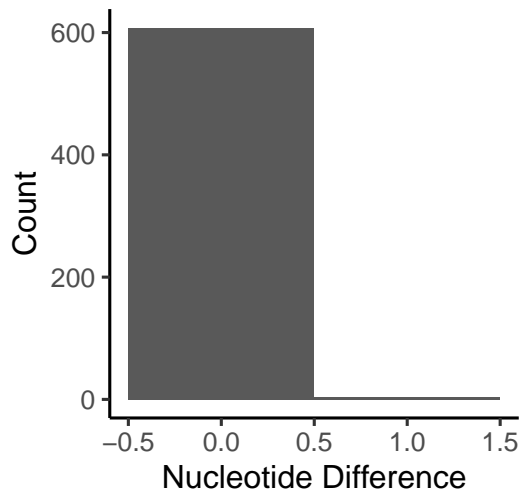
TRBV7-6*ap01

1493 sequences assigned
1490 (99.8%) exact matches, in which:
1479 unique CDR3
13 unique J



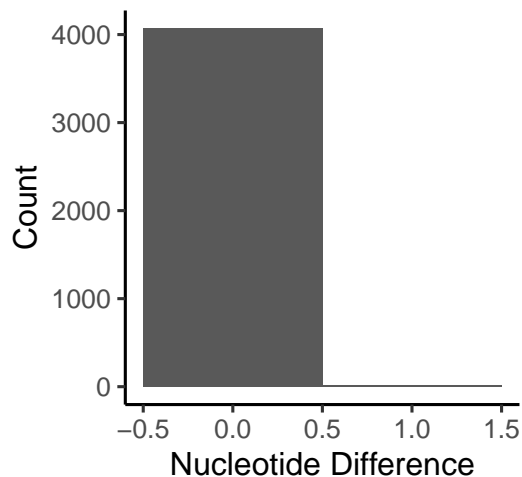
TRBV7-7*ap01

612 sequences assigned
608 (99.3%) exact matches, in which:
607 unique CDR3
13 unique J



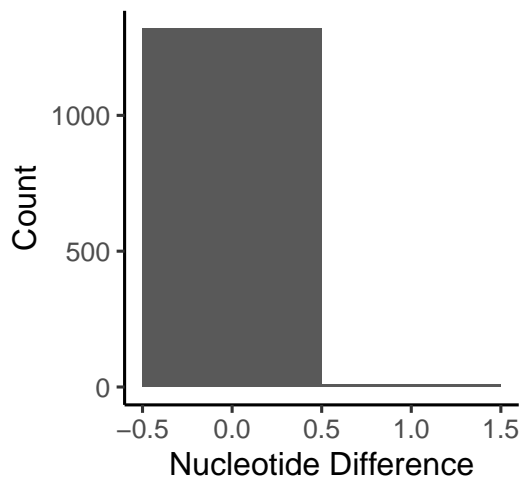
TRBV7-9*ap01

4082 sequences assigned
4070 (99.7%) exact matches, in which:
4054 unique CDR3
13 unique J



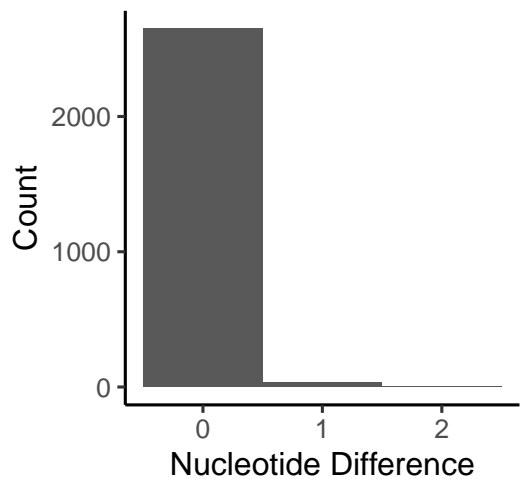
TRBV7-8*ap01

1328 sequences assigned
1319 (99.3%) exact matches, in which:
1312 unique CDR3
13 unique J



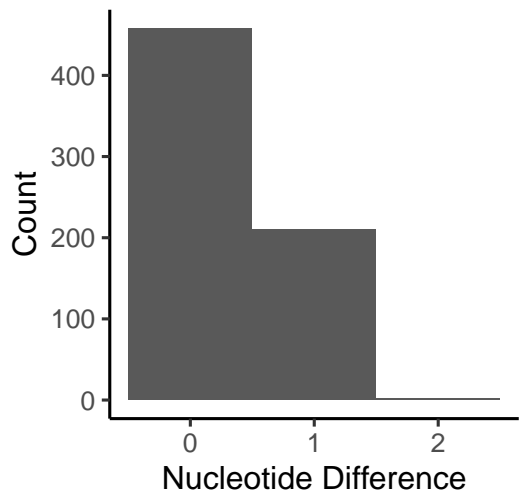
TRBV29-1*ap01

2684 sequences assigned
2649 (98.7%) exact matches, in which:
2623 unique CDR3
13 unique J



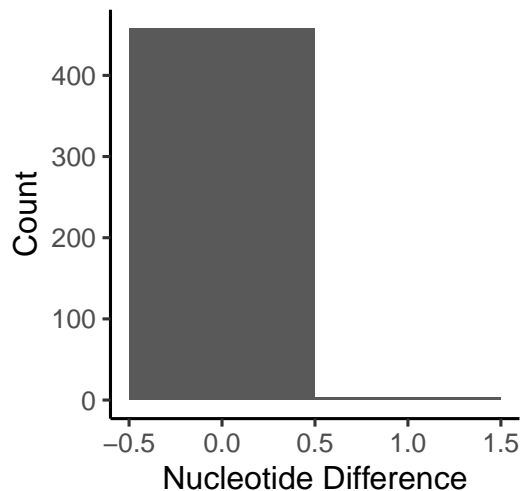
TRBV7-8*ap03

670 sequences assigned
458 (68.4%) exact matches, in which:
457 unique CDR3
13 unique J

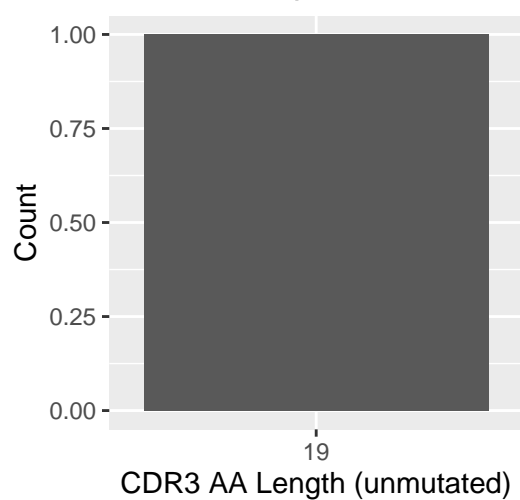


TRBV29-1*ap02

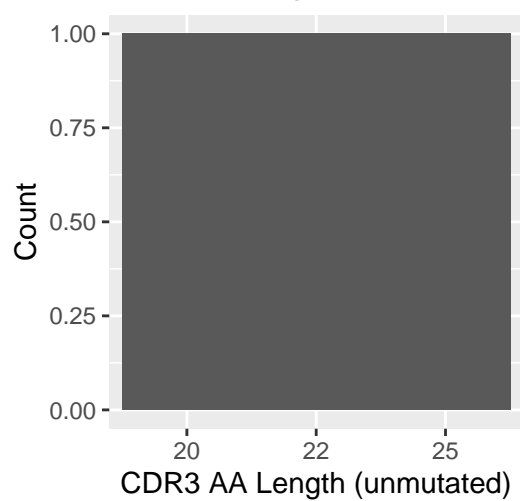
461 sequences assigned
458 (99.3%) exact matches, in which:
455 unique CDR3
13 unique J



TRBV7-1*ap01_T296C_C314T



TRBV7-1*ap01_T296C





[illegible]