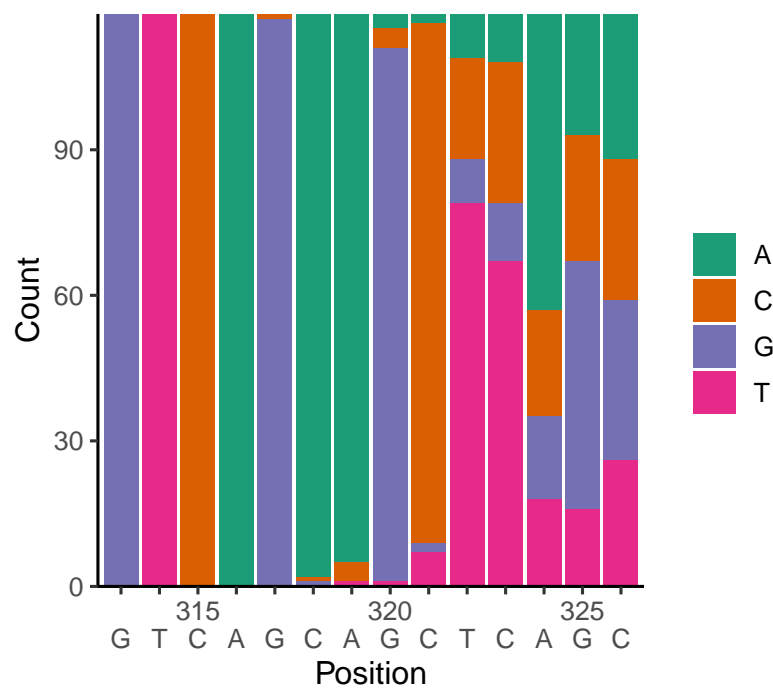
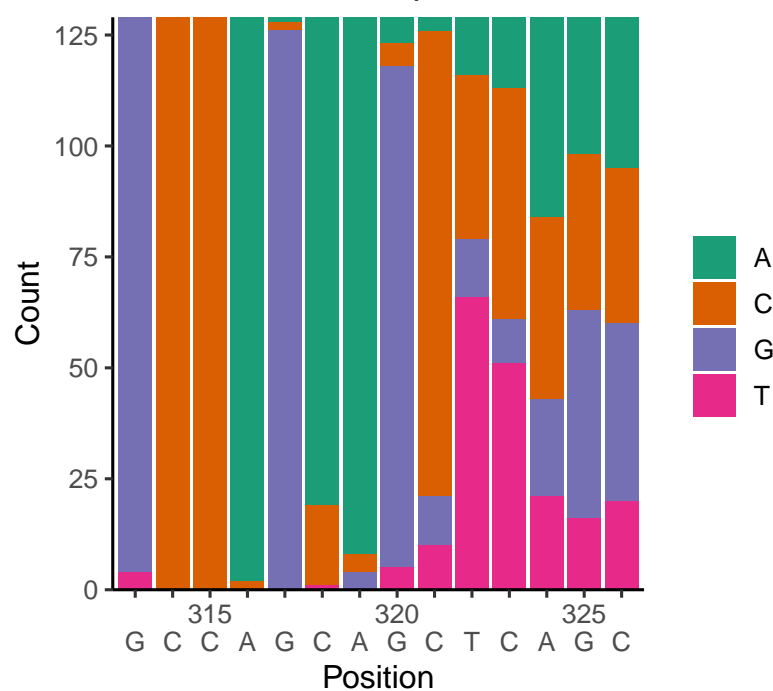


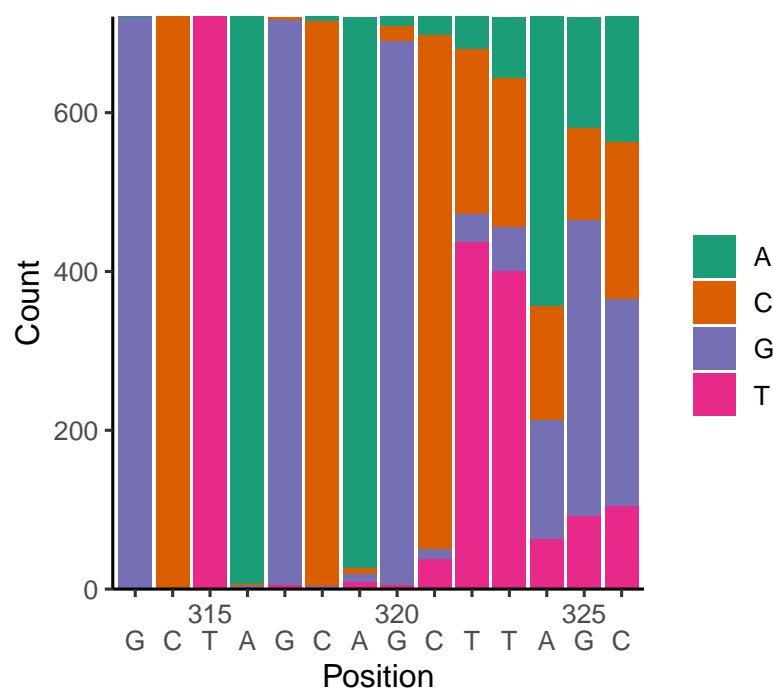
Gene TRBV7-1*ap01_G291C_T296C_C314T



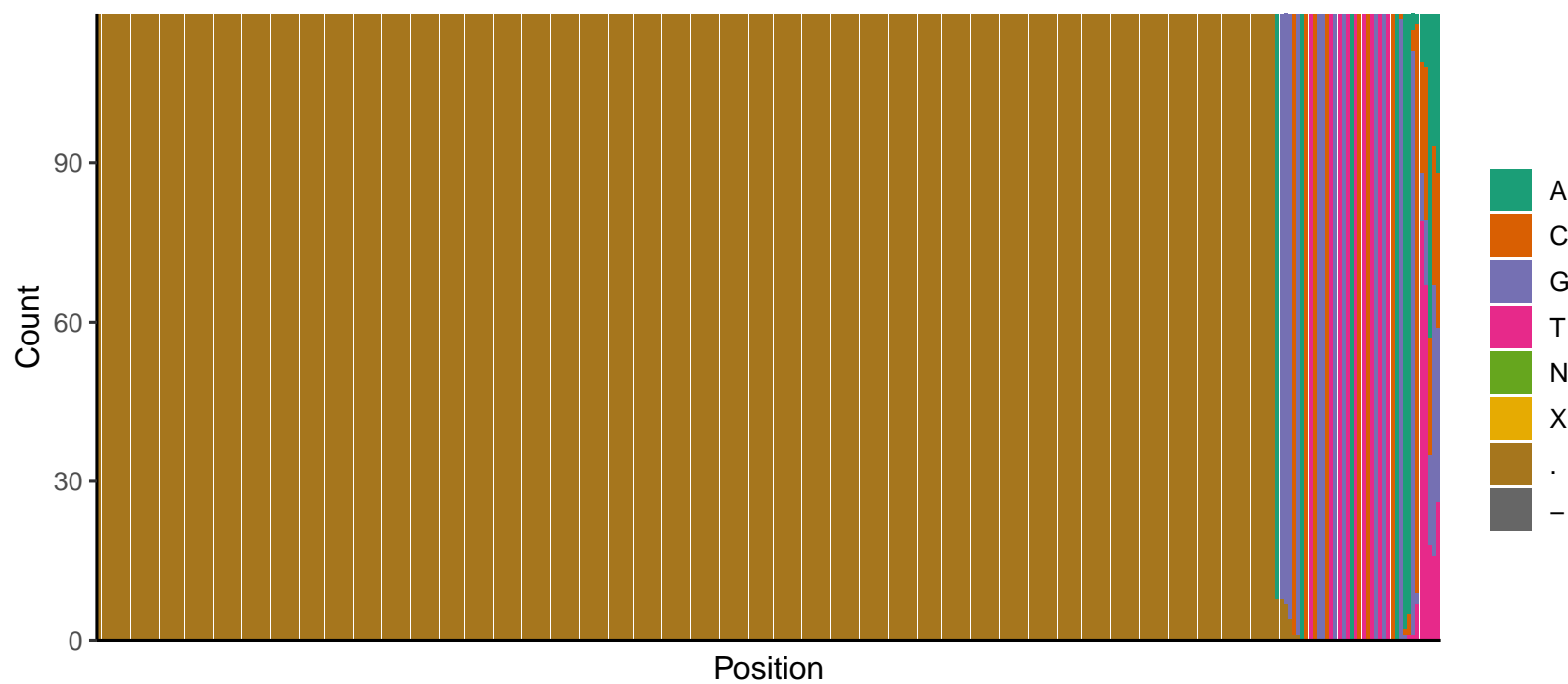
Gene TRBV7-1*ap01_G291C_T296C



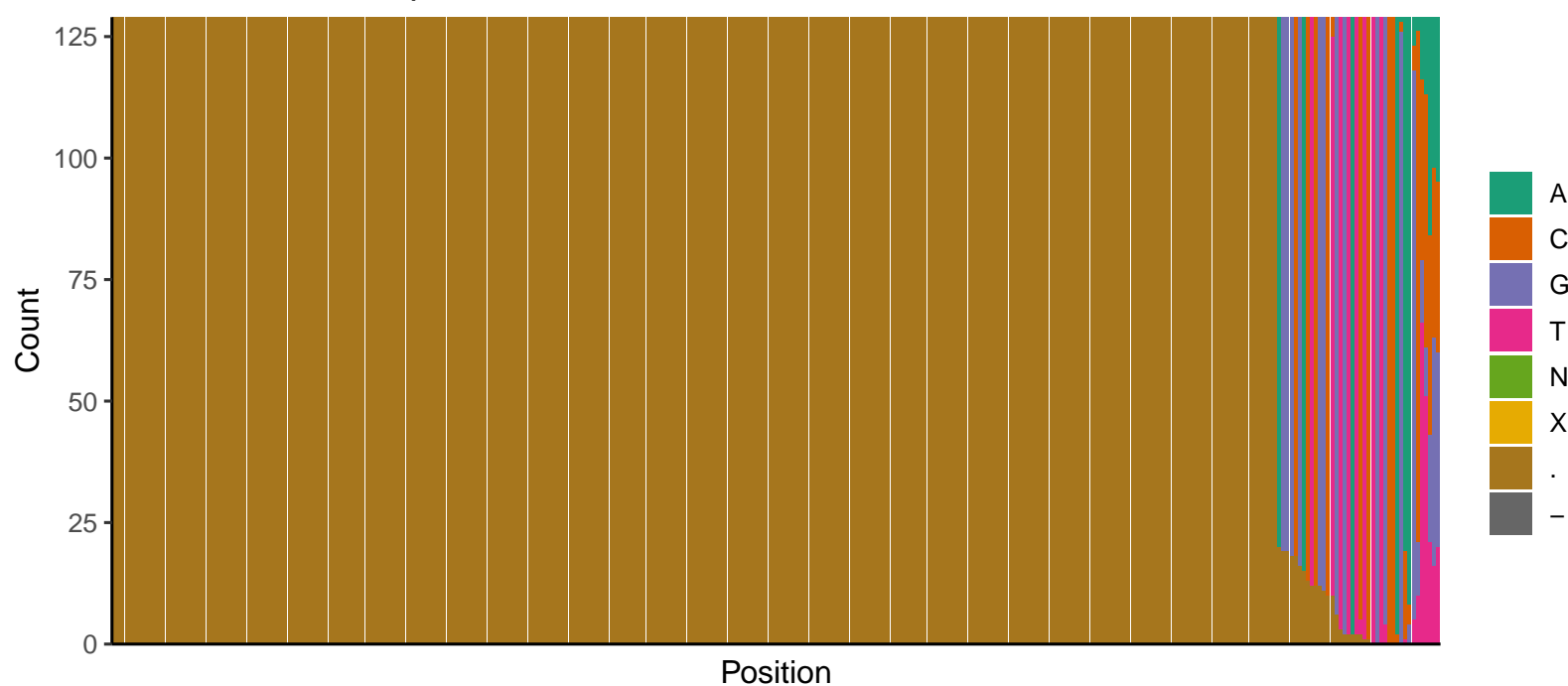
Gene TRBV7-7*ap01_C315T



Gene TRBV7-1*ap01_G291C_T296C_C314T



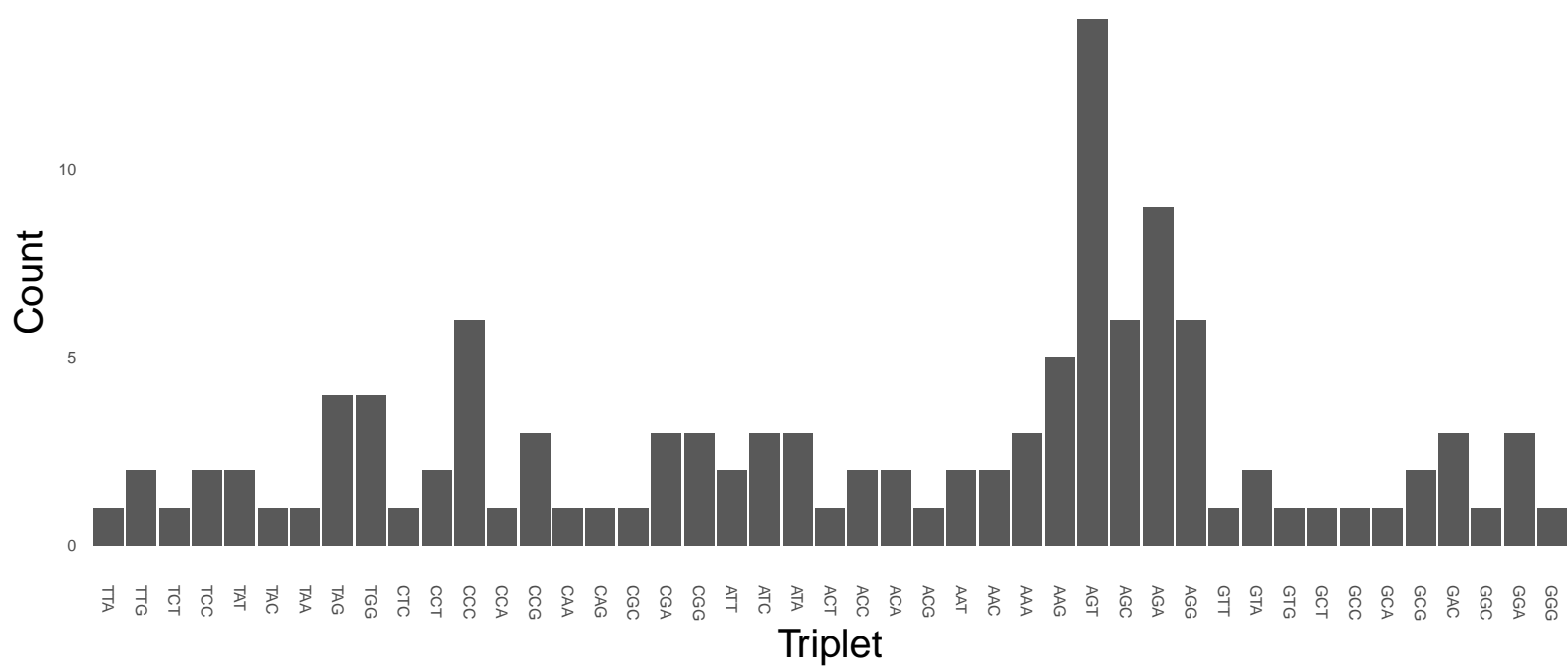
Gene TRBV7-1*ap01_G291C_T296C



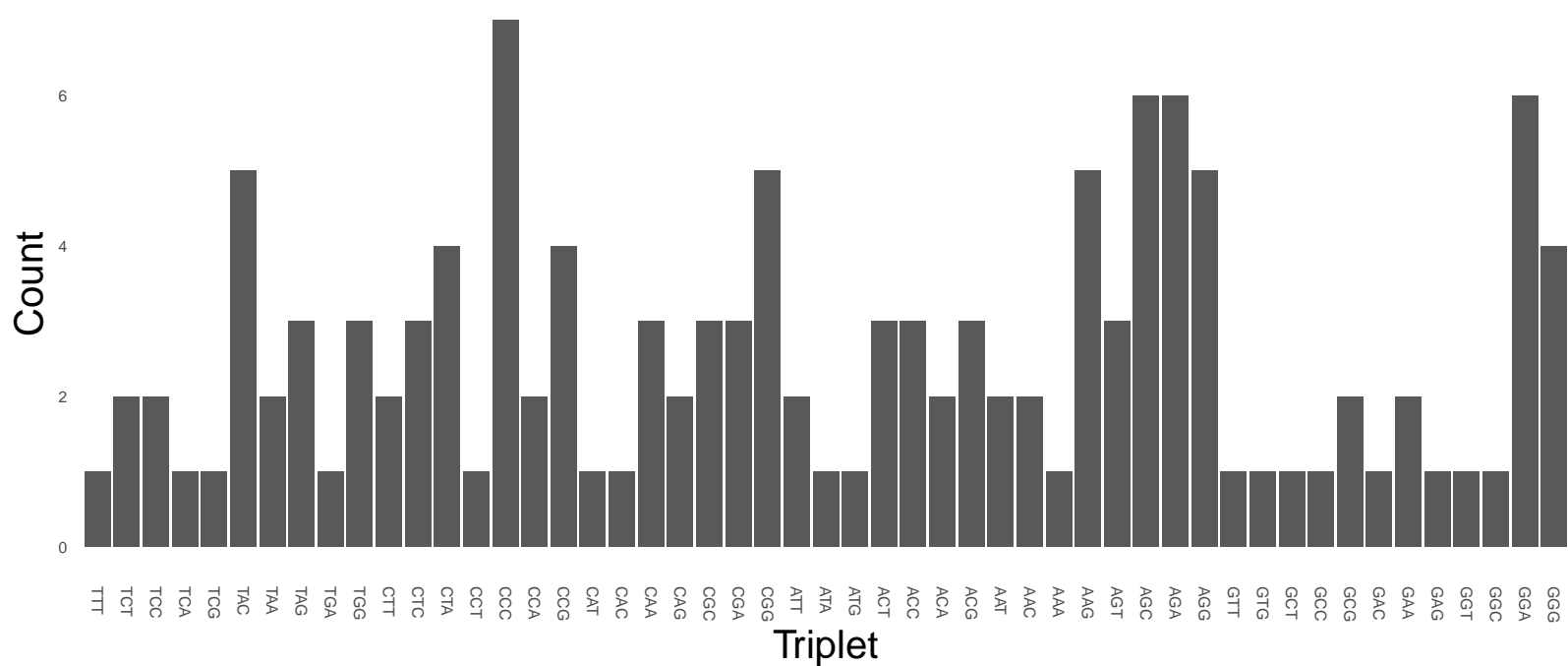
Gene TRBV7-7*ap01_C315T



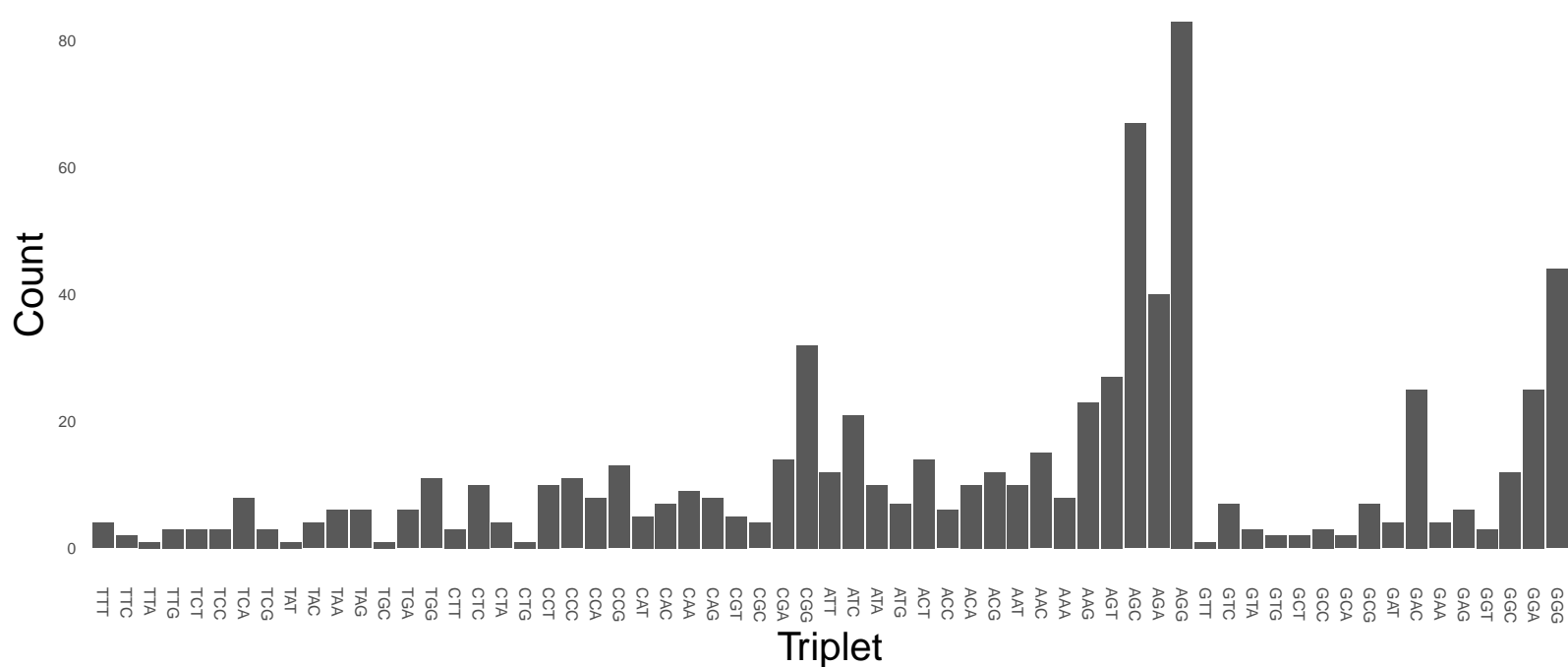
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

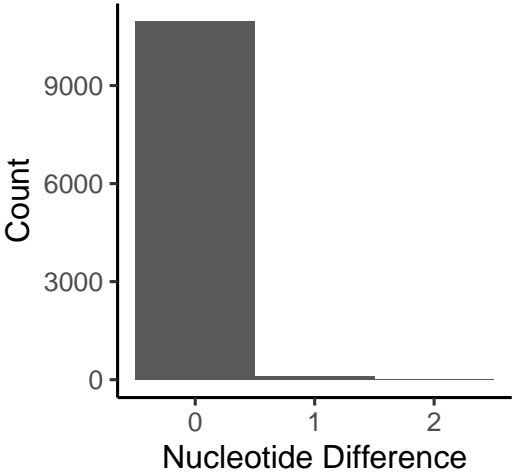


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



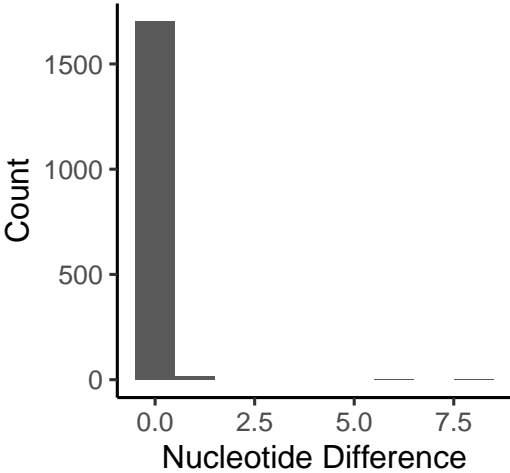
TRBV20-1*ap01

11075 sequences assigned
10963 (99%) exact matches, in which:
10780 unique CDR3
13 unique J



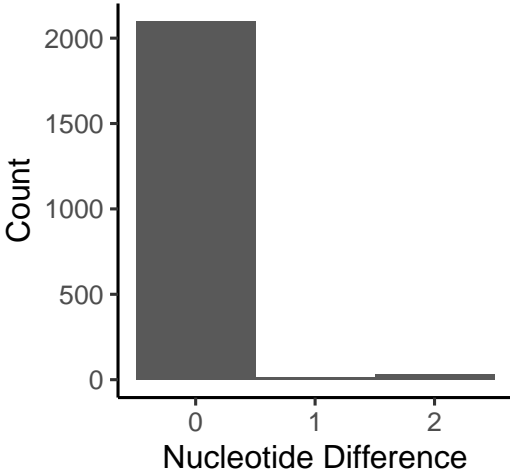
TRBV10-2*ap01

1720 sequences assigned
1702 (99%) exact matches, in which:
1678 unique CDR3
13 unique J



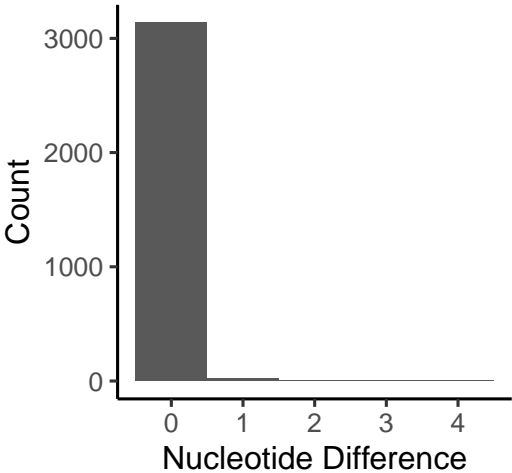
TRBV13*ap01

2148 sequences assigned
2098 (97.7%) exact matches, in which:
2047 unique CDR3
13 unique J



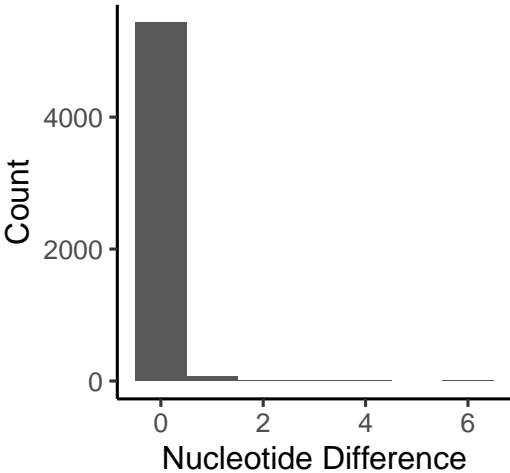
TRBV10-1*ap01

3162 sequences assigned
3137 (99.2%) exact matches, in which:
3087 unique CDR3
13 unique J



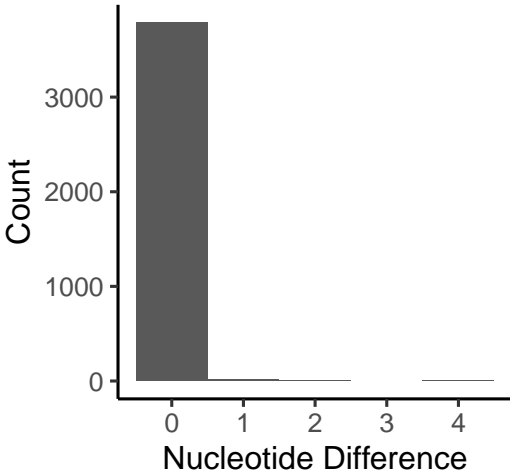
TRBV10-3*ap01

5500 sequences assigned
5431 (98.7%) exact matches, in which:
5311 unique CDR3
13 unique J



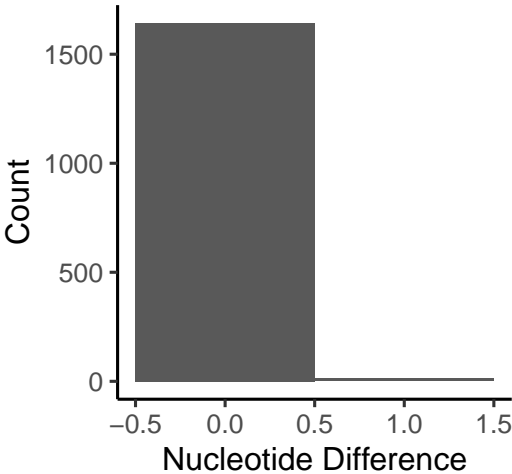
TRBV14*ap01

3800 sequences assigned
3786 (99.6%) exact matches, in which:
3718 unique CDR3
13 unique J



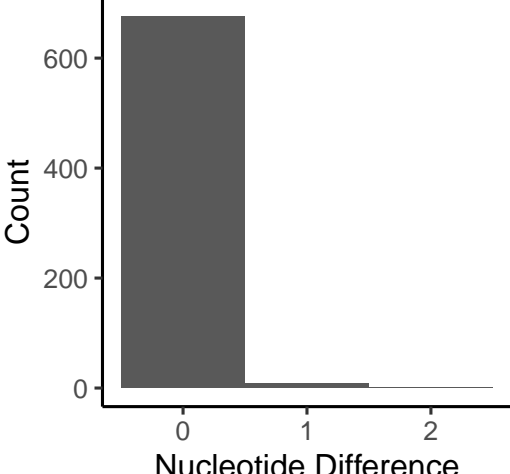
TRBV20-1*ap02

1656 sequences assigned
1643 (99.2%) exact matches, in which:
1617 unique CDR3
13 unique J



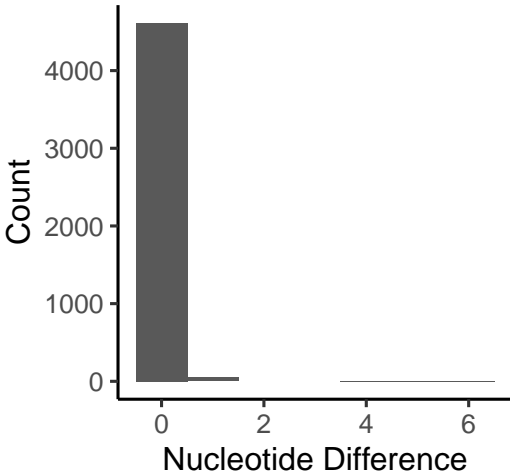
TRBV1*ap01

685 sequences assigned
676 (98.7%) exact matches, in which:
665 unique CDR3
13 unique J



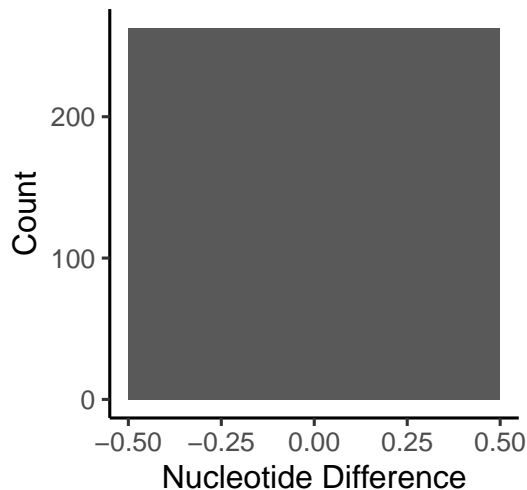
TRBV15*ap02

4662 sequences assigned
4612 (98.9%) exact matches, in which:
4516 unique CDR3
13 unique J



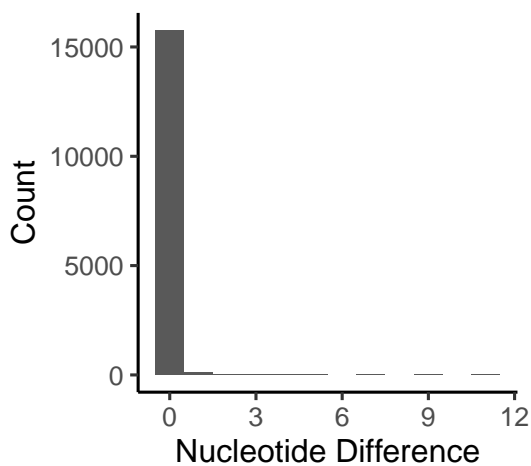
TRBV16*ap01

263 sequences assigned
263 (100%) exact matches, in which:
260 unique CDR3
13 unique J



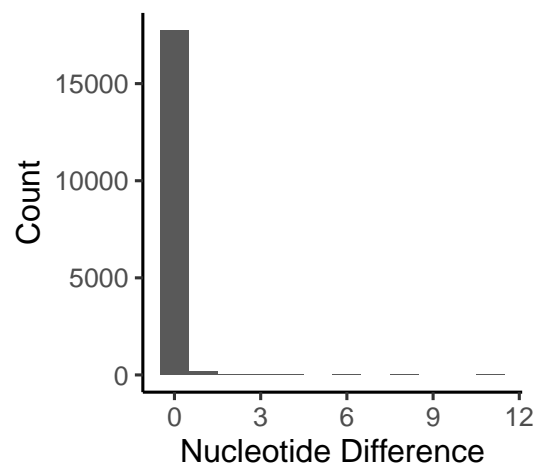
TRBV19*ap01

15887 sequences assigned
15769 (99.3%) exact matches, in which:
15598 unique CDR3
13 unique J



TRBV27*ap01

17959 sequences assigned
17754 (98.9%) exact matches, in which:
17357 unique CDR3
13 unique J



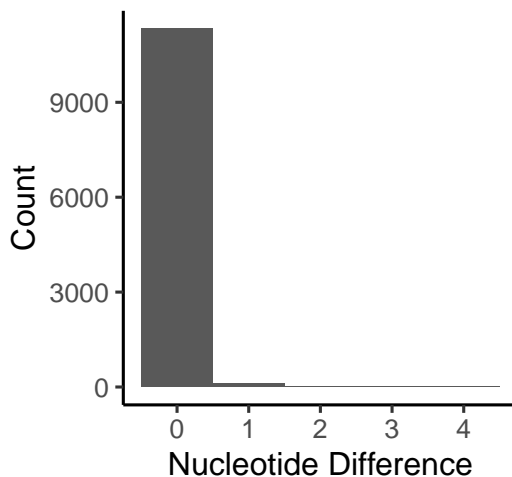
TRBV17*ap01

1 sequences assigned
No exact matches.



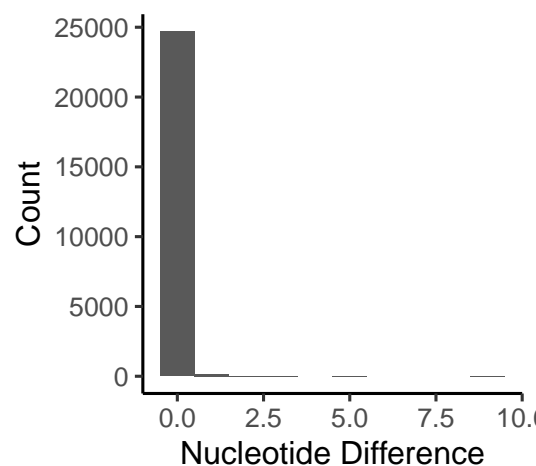
TRBV2*ap01

11437 sequences assigned
11326 (99%) exact matches, in which:
11120 unique CDR3
13 unique J



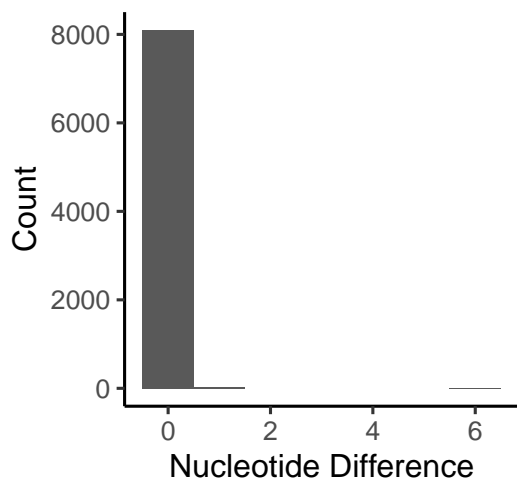
TRBV28*ap01

24885 sequences assigned
24697 (99.2%) exact matches, in which:
24318 unique CDR3
14 unique J



TRBV18*ap01

8128 sequences assigned
8098 (99.6%) exact matches, in which:
8016 unique CDR3
13 unique J



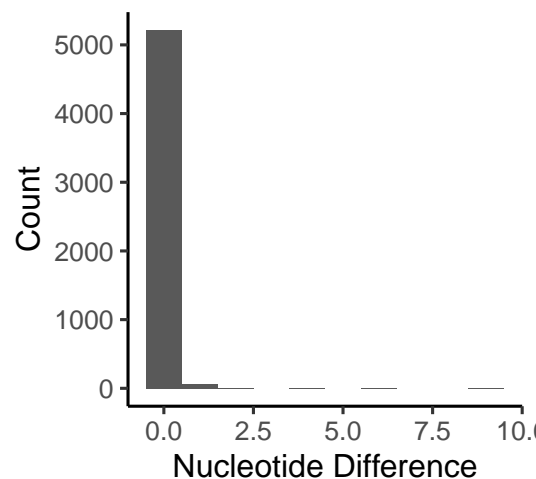
TRBV26*ap01

1 sequences assigned
No exact matches.



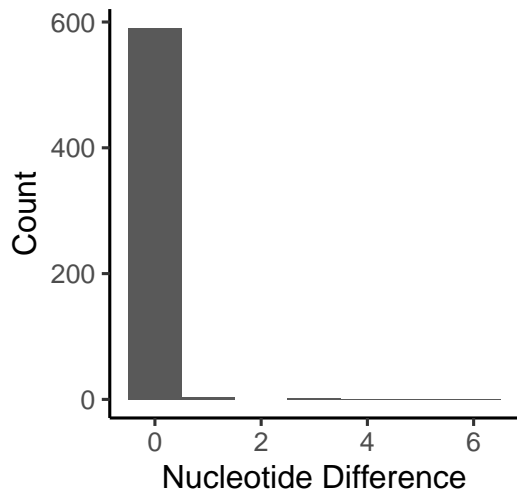
TRBV30*ap01

5287 sequences assigned
5216 (98.7%) exact matches, in which:
5129 unique CDR3
13 unique J



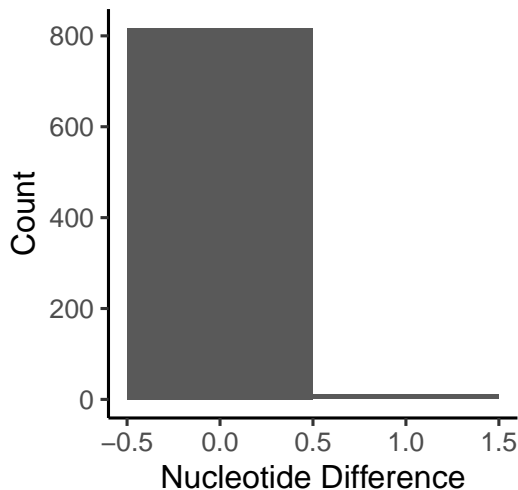
TRBV30*ap02

600 sequences assigned
591 (98.5%) exact matches, in which:
584 unique CDR3
13 unique J



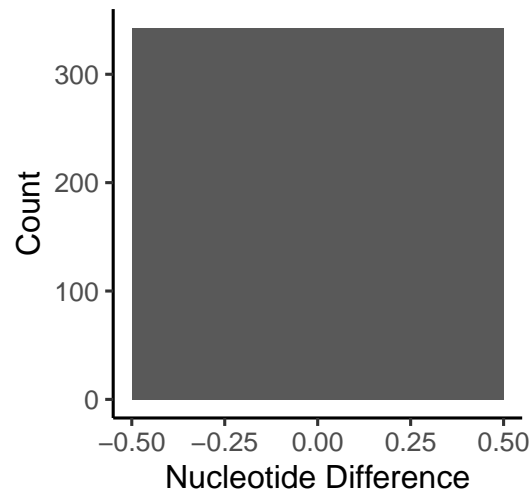
TRBV11-1*ap01

829 sequences assigned
818 (98.7%) exact matches, in which:
804 unique CDR3
13 unique J



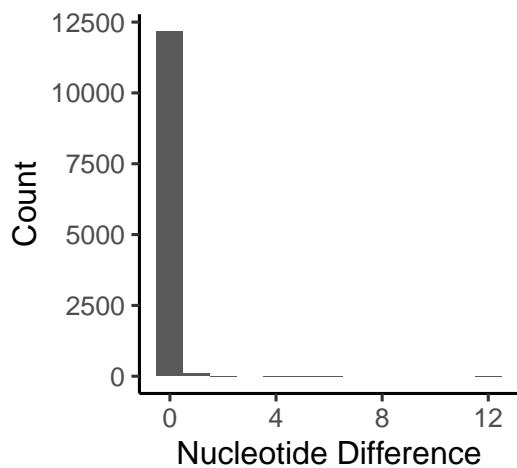
TRBV12-1*ap01

343 sequences assigned
343 (100%) exact matches, in which:
339 unique CDR3
13 unique J



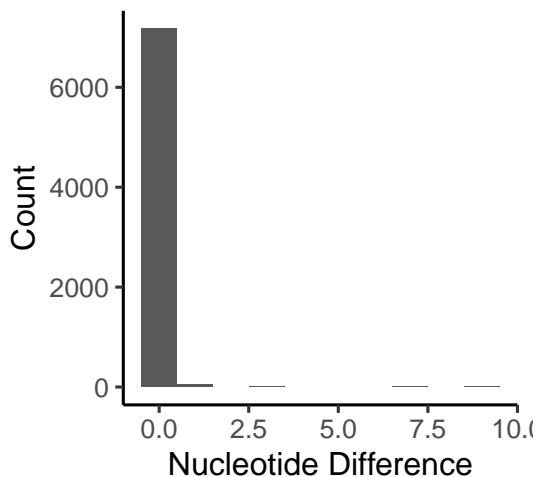
TRBV9*ap01

12280 sequences assigned
12169 (99.1%) exact matches, in which:
11971 unique CDR3
13 unique J



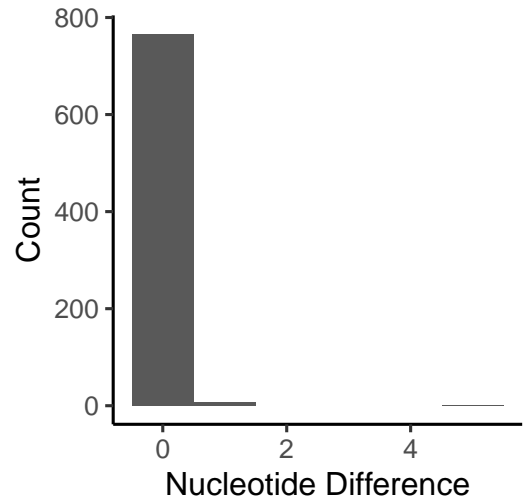
TRBV11-2*ap01

7229 sequences assigned
7173 (99.2%) exact matches, in which:
7024 unique CDR3
13 unique J



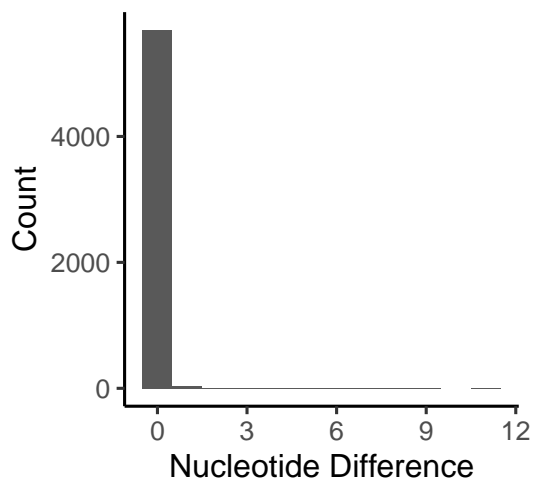
TRBV12-2*ap01

774 sequences assigned
766 (99%) exact matches, in which:
756 unique CDR3
13 unique J



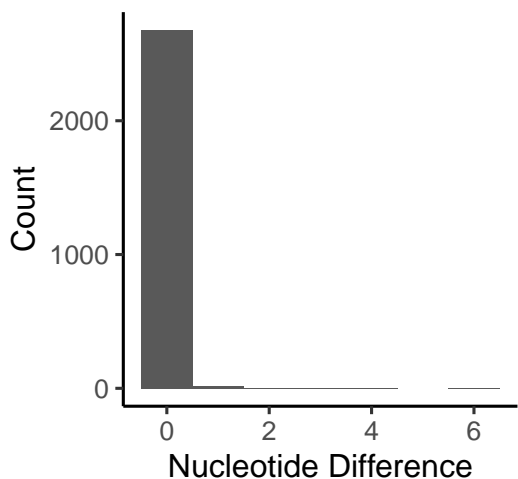
TRBV21-1*ap01

5760 sequences assigned
5690 (98.8%) exact matches, in which:
5621 unique CDR3
13 unique J



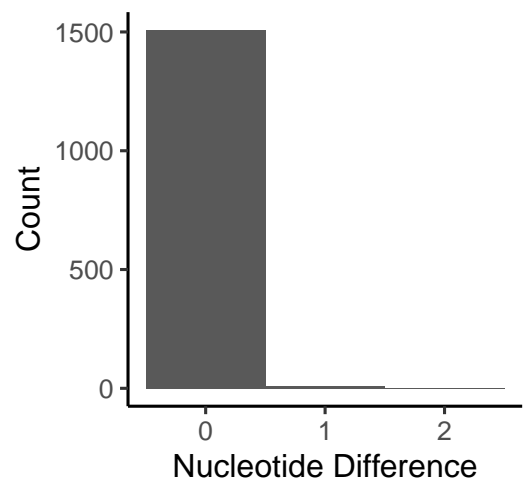
TRBV11-3*ap01

2701 sequences assigned
2678 (99.1%) exact matches, in which:
2645 unique CDR3
13 unique J



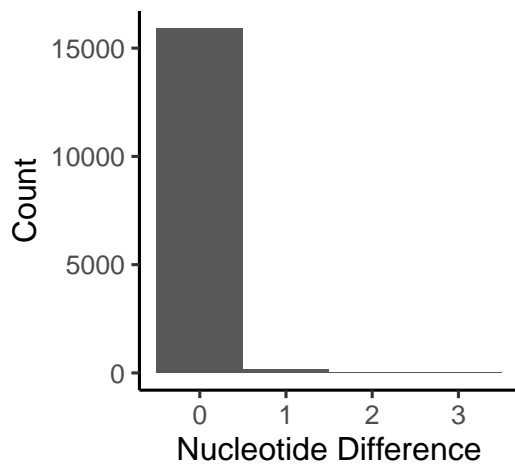
TRBV12-5*ap01

1519 sequences assigned
1508 (99.3%) exact matches, in which:
1492 unique CDR3
13 unique J



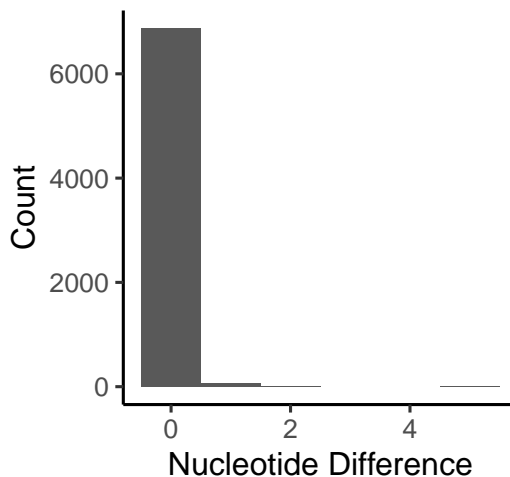
TRBV12-34*ap01

16076 sequences assigned
15923 (99%) exact matches, in which:
15682 unique CDR3
13 unique J



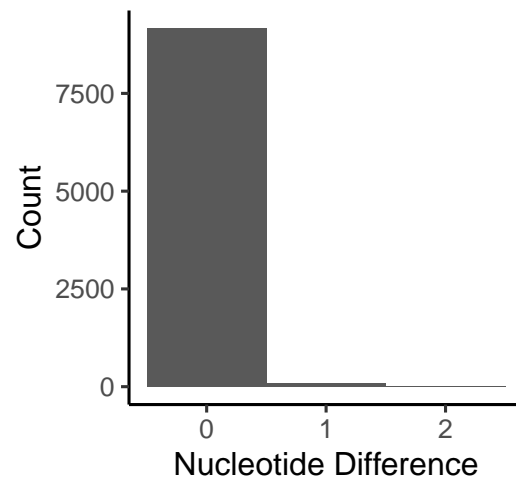
TRBV4-1*ap01

6939 sequences assigned
6871 (99%) exact matches, in which:
6724 unique CDR3
13 unique J



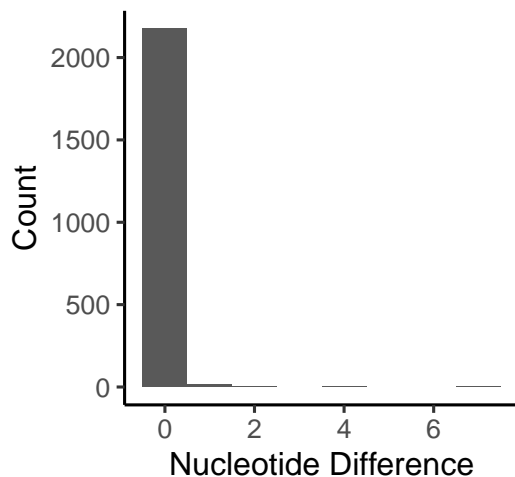
TRBV4-3*ap01

9247 sequences assigned
9162 (99.1%) exact matches, in which:
8983 unique CDR3
13 unique J



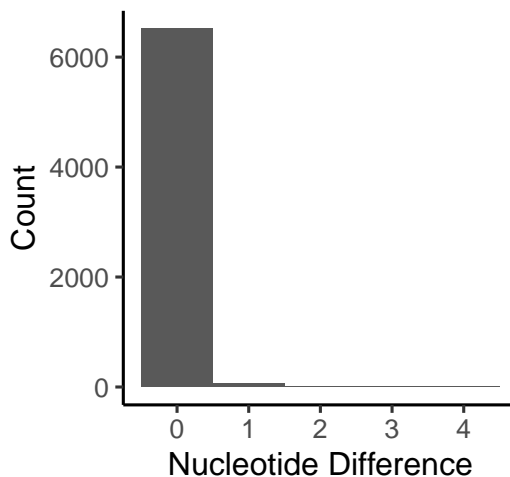
TRBV23-1*ap01

2196 sequences assigned
2175 (99%) exact matches, in which:
2140 unique CDR3
13 unique J



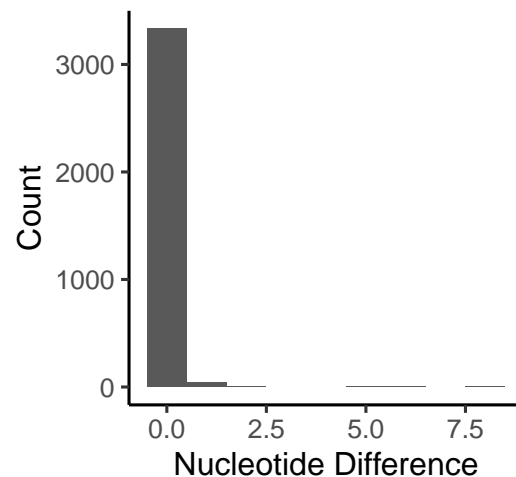
TRBV24-1*ap01

6594 sequences assigned
6516 (98.8%) exact matches, in which:
6406 unique CDR3
13 unique J



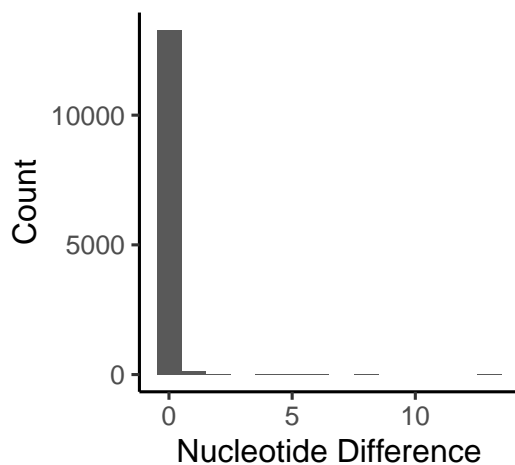
TRBV25-1*ap01

3378 sequences assigned
3332 (98.6%) exact matches, in which:
3277 unique CDR3
13 unique J



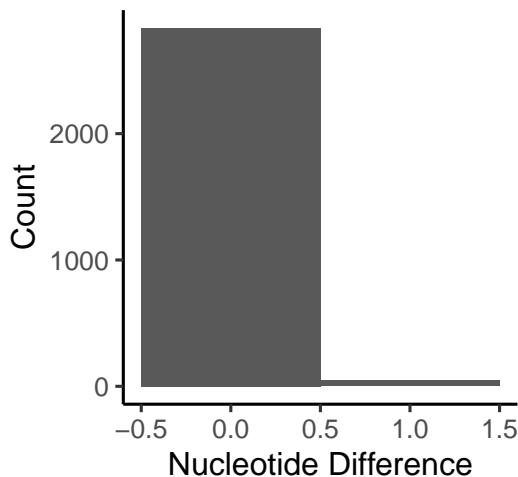
TRBV3-12*ap01

13432 sequences assigned
13291 (99%) exact matches, in which:
13029 unique CDR3
13 unique J



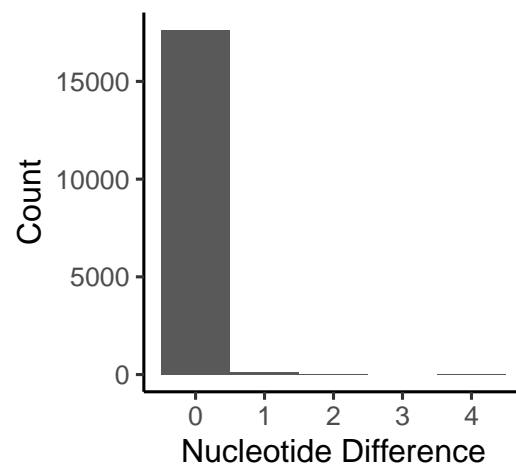
TRBV4-2*ap01

2881 sequences assigned
2836 (98.4%) exact matches, in which:
2778 unique CDR3
13 unique J



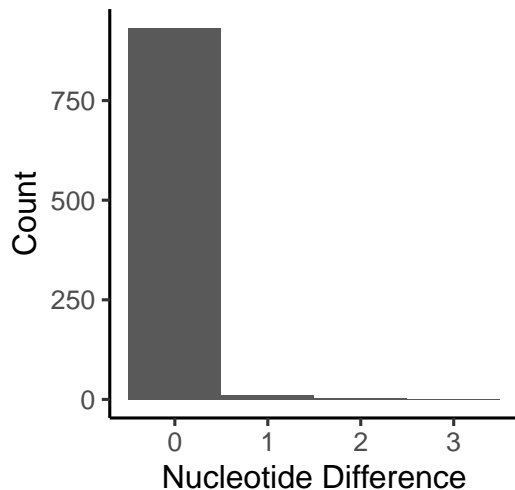
TRBV5-1*ap01

17795 sequences assigned
17641 (99.1%) exact matches, in which:
17276 unique CDR3
13 unique J



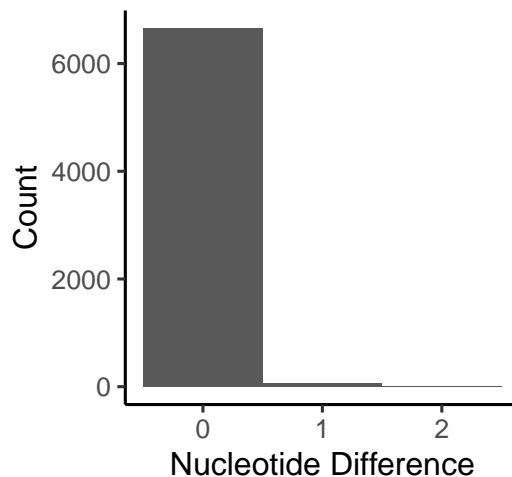
TRBV5-3*ap01

950 sequences assigned
933 (98.2%) exact matches, in which:
924 unique CDR3
13 unique J



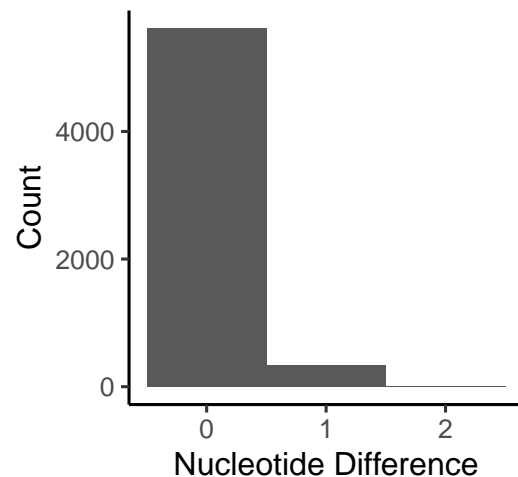
TRBV5-6*ap01

6716 sequences assigned
6653 (99.1%) exact matches, in which:
6515 unique CDR3
13 unique J



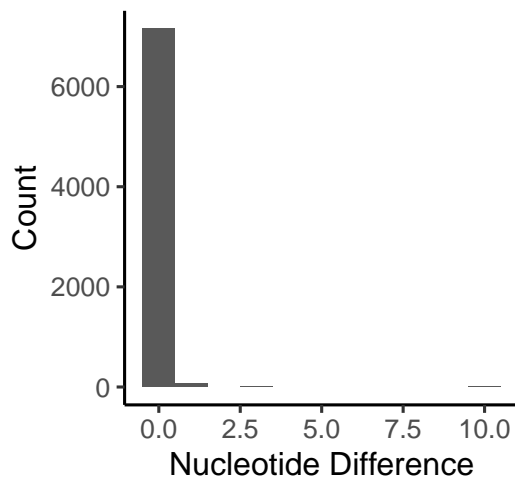
TRBV6-1*ap01

5952 sequences assigned
5615 (94.3%) exact matches, in which:
5514 unique CDR3
13 unique J



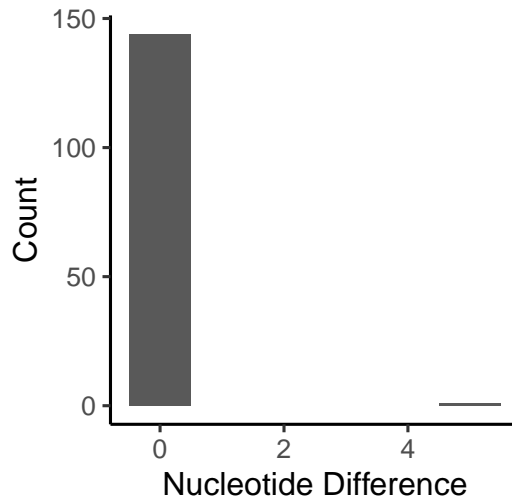
TRBV5-4*ap01

7224 sequences assigned
7156 (99.1%) exact matches, in which:
7039 unique CDR3
13 unique J



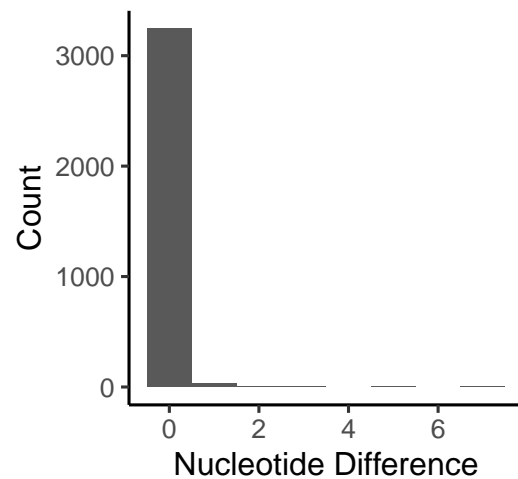
TRBV5-7*ap01

145 sequences assigned
144 (99.3%) exact matches, in which:
141 unique CDR3
13 unique J



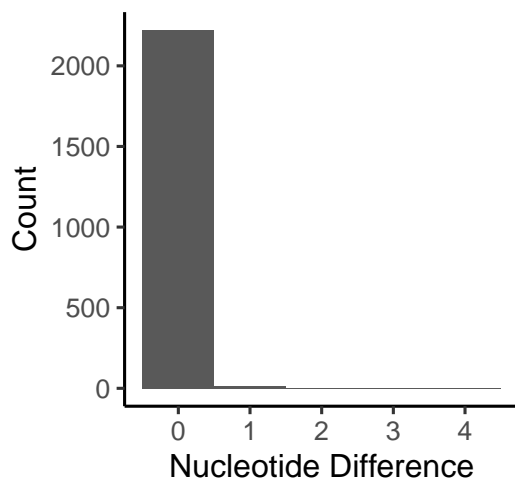
TRBV6-4*ap01

3289 sequences assigned
3244 (98.6%) exact matches, in which:
3185 unique CDR3
13 unique J



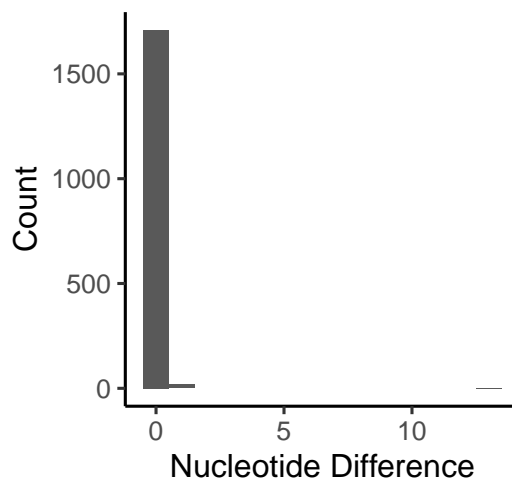
TRBV5-5*ap01

2238 sequences assigned
2222 (99.3%) exact matches, in which:
2198 unique CDR3
13 unique J



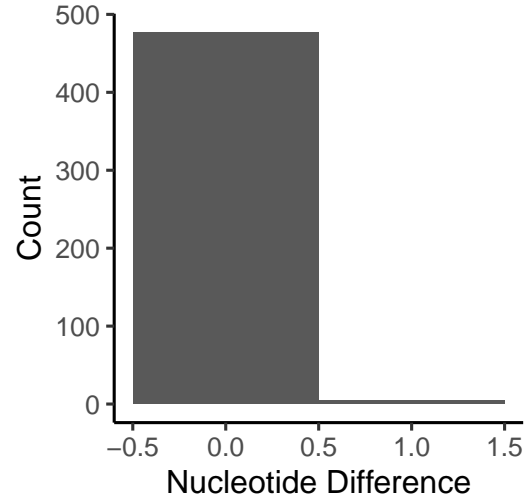
TRBV5-8*ap01

1730 sequences assigned
1709 (98.8%) exact matches, in which:
1693 unique CDR3
13 unique J



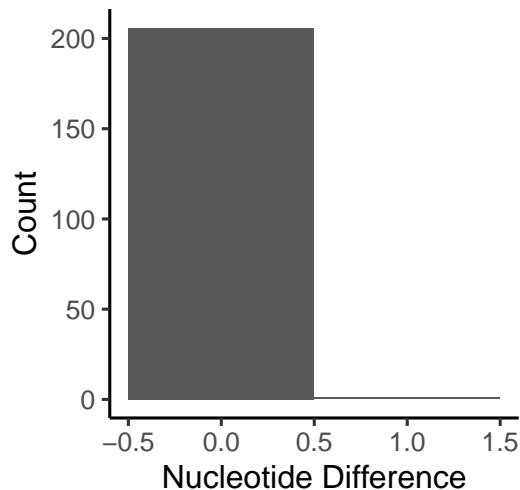
TRBV6-7*ap01

482 sequences assigned
477 (99%) exact matches, in which:
462 unique CDR3
13 unique J



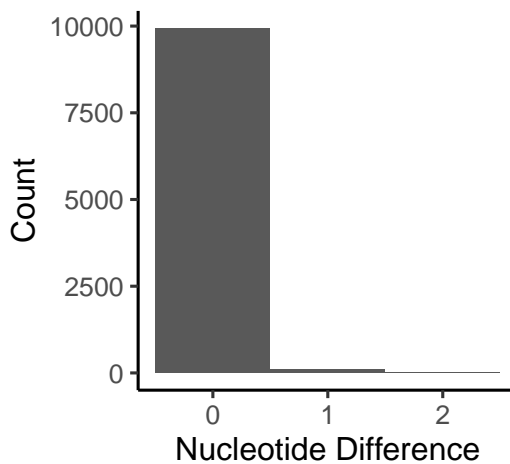
TRBV6-8*ap01

207 sequences assigned
206 (99.5%) exact matches, in which:
203 unique CDR3
13 unique J



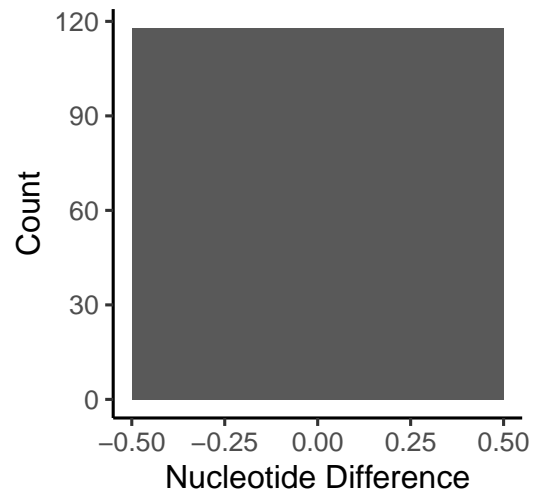
TRBV6-56*ap01

10045 sequences assigned
9940 (99%) exact matches, in which:
9695 unique CDR3
13 unique J



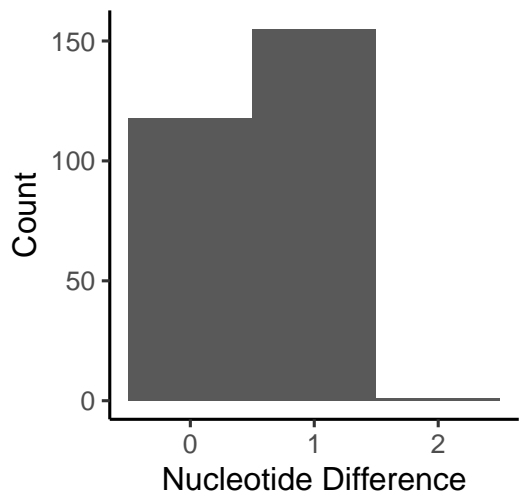
TRBV7-1*ap01_G291C_

118 sequences assigned
118 (100%) exact matches, in which:
117 unique CDR3
13 unique J



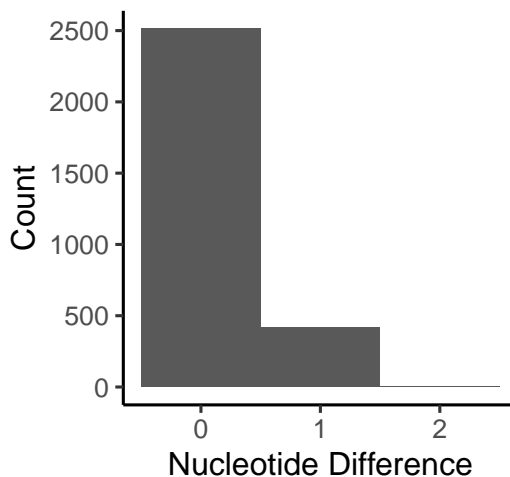
TRBV6-9*ap01

274 sequences assigned
118 (43.1%) exact matches, in which:
116 unique CDR3
13 unique J



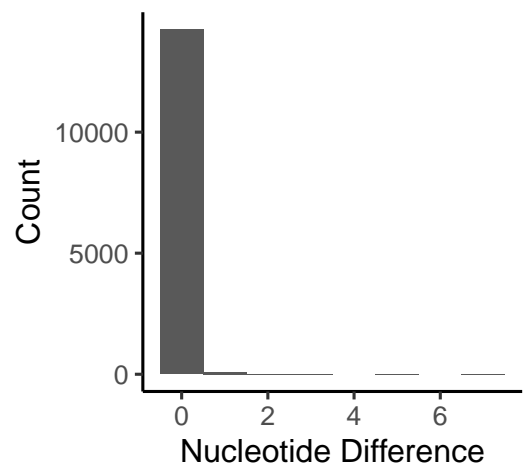
TRBV6-56*ap02

2933 sequences assigned
2513 (85.7%) exact matches, in which:
2468 unique CDR3
13 unique J



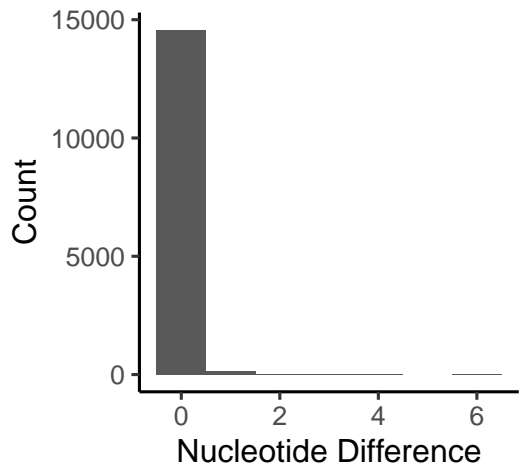
TRBV7-2*ap01

14330 sequences assigned
14241 (99.4%) exact matches, in which:
14027 unique CDR3
13 unique J



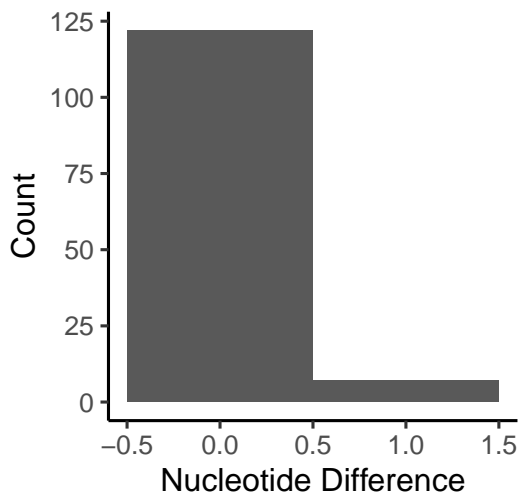
TRBV6-23*ap01

14716 sequences assigned
14573 (99%) exact matches, in which:
14230 unique CDR3
13 unique J



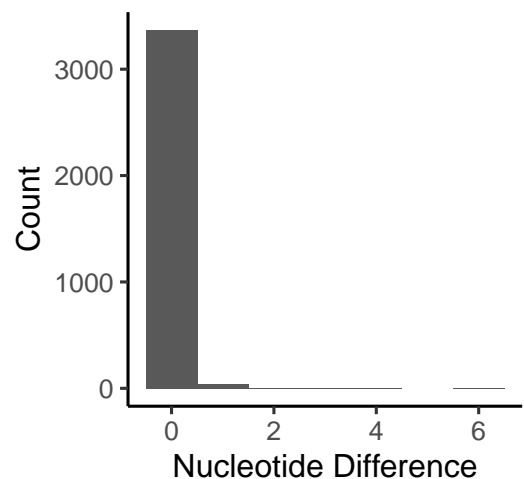
TRBV7-1*ap01_G291C_

129 sequences assigned
122 (94.6%) exact matches, in which:
120 unique CDR3
13 unique J



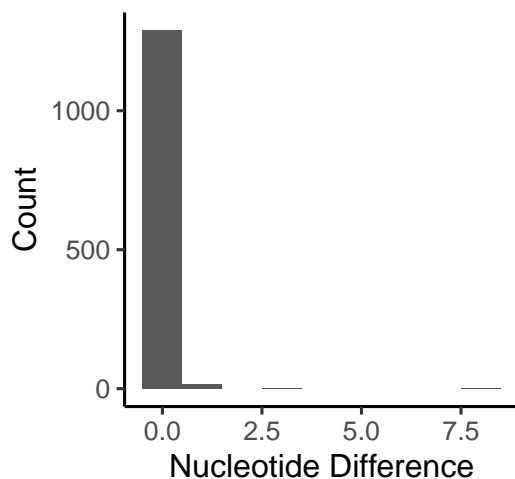
TRBV7-3*ap01

3411 sequences assigned
3368 (98.7%) exact matches, in which:
3314 unique CDR3
13 unique J



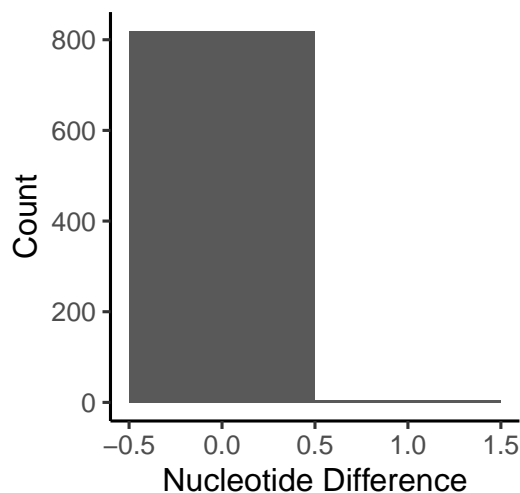
TRBV7-3*ap02

1307 sequences assigned
1289 (98.6%) exact matches, in which:
1275 unique CDR3
13 unique J



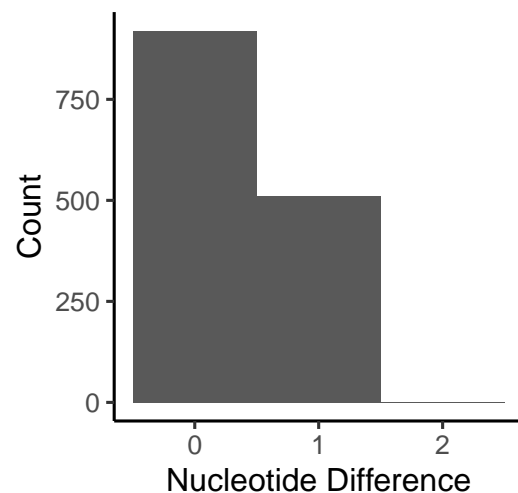
TRBV7-7*ap01

826 sequences assigned
820 (99.3%) exact matches, in which:
806 unique CDR3
13 unique J



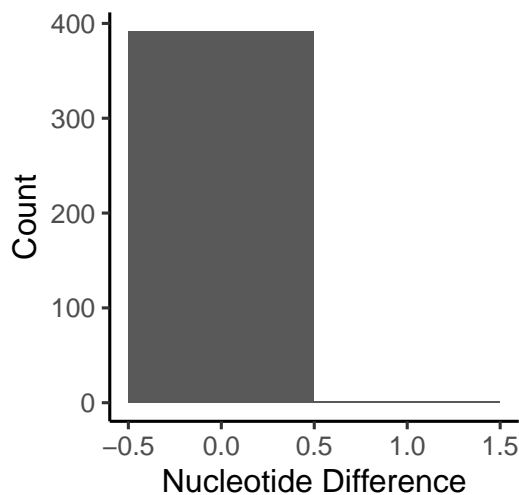
TRBV7-8*ap03

1432 sequences assigned
920 (64.2%) exact matches, in which:
899 unique CDR3
13 unique J



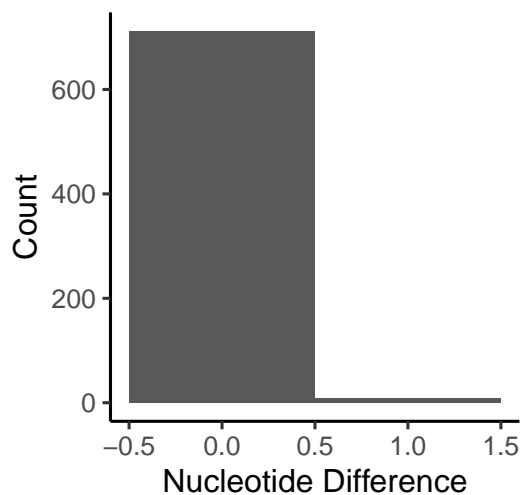
TRBV7-4*ap01

394 sequences assigned
392 (99.5%) exact matches, in which:
388 unique CDR3
13 unique J



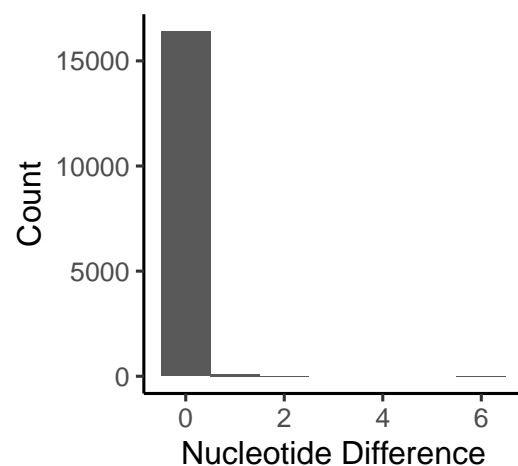
TRBV7-7*ap01_C315T

721 sequences assigned
712 (98.8%) exact matches, in which:
702 unique CDR3
13 unique J



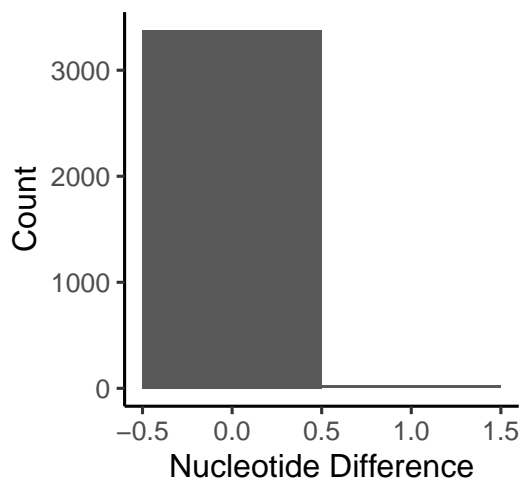
TRBV7-9*ap01

16501 sequences assigned
16400 (99.4%) exact matches, in which:
16200 unique CDR3
13 unique J



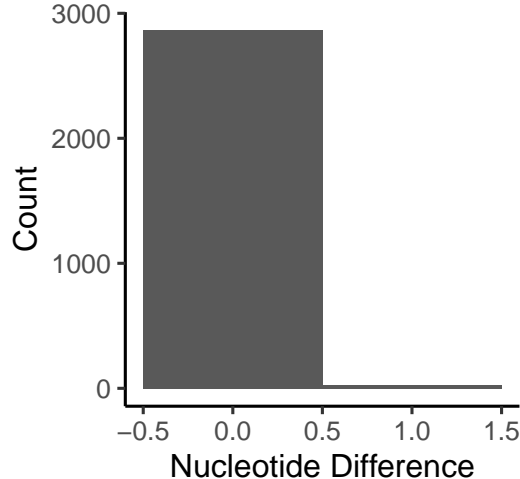
TRBV7-6*ap01

3405 sequences assigned
3379 (99.2%) exact matches, in which:
3317 unique CDR3
13 unique J



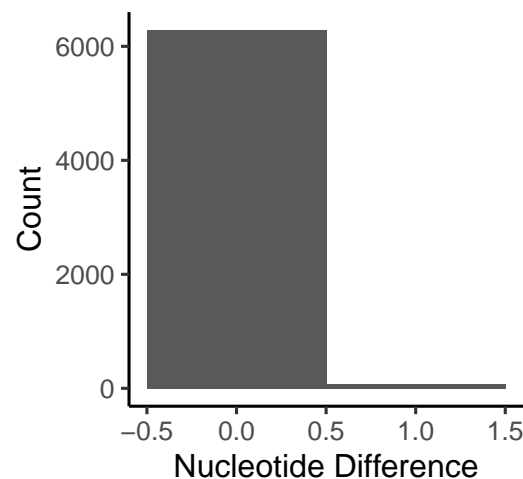
TRBV7-8*ap01

2892 sequences assigned
2866 (99.1%) exact matches, in which:
2809 unique CDR3
13 unique J



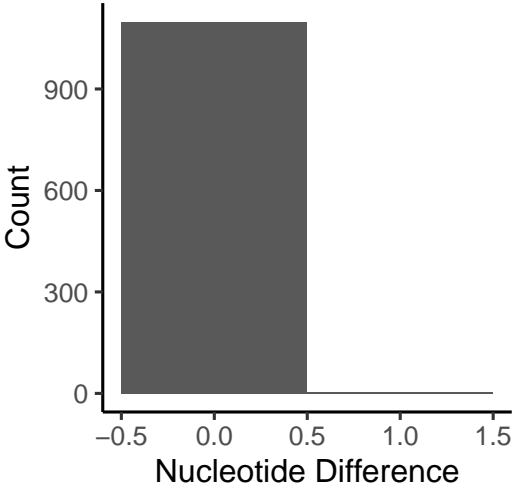
TRBV29-1*ap01

6359 sequences assigned
6286 (98.9%) exact matches, in which:
6155 unique CDR3
13 unique J

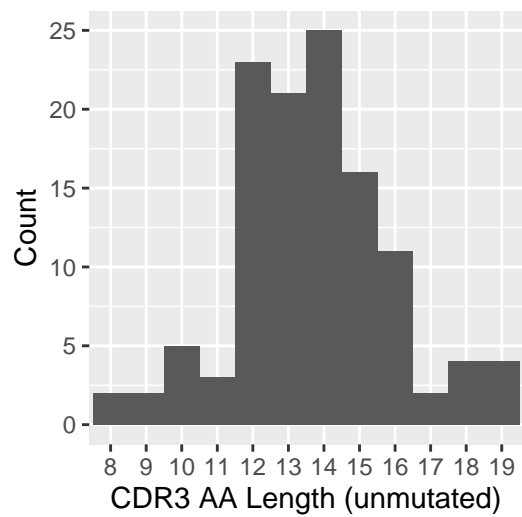


TRBV29-1*ap02

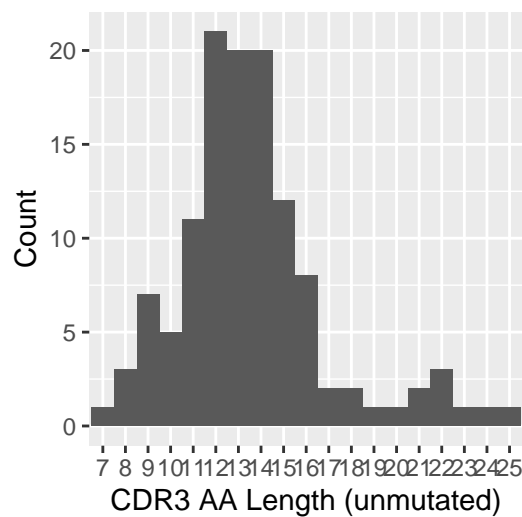
1104 sequences assigned
1099 (99.5%) exact matches, in which:
1077 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

