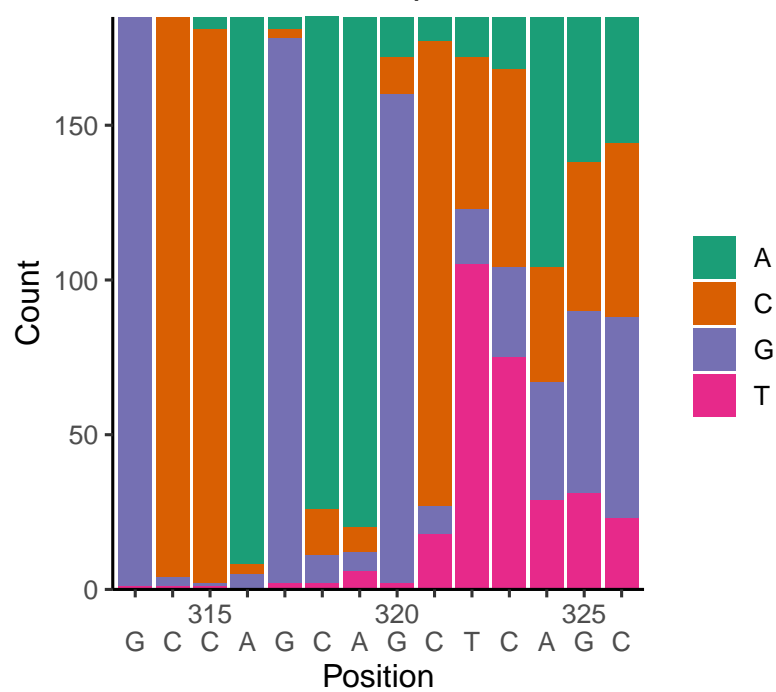
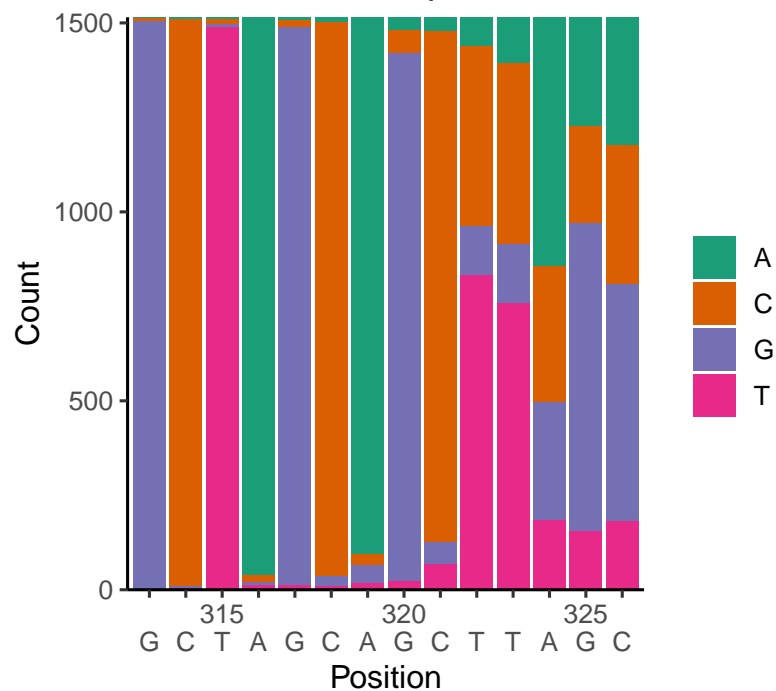


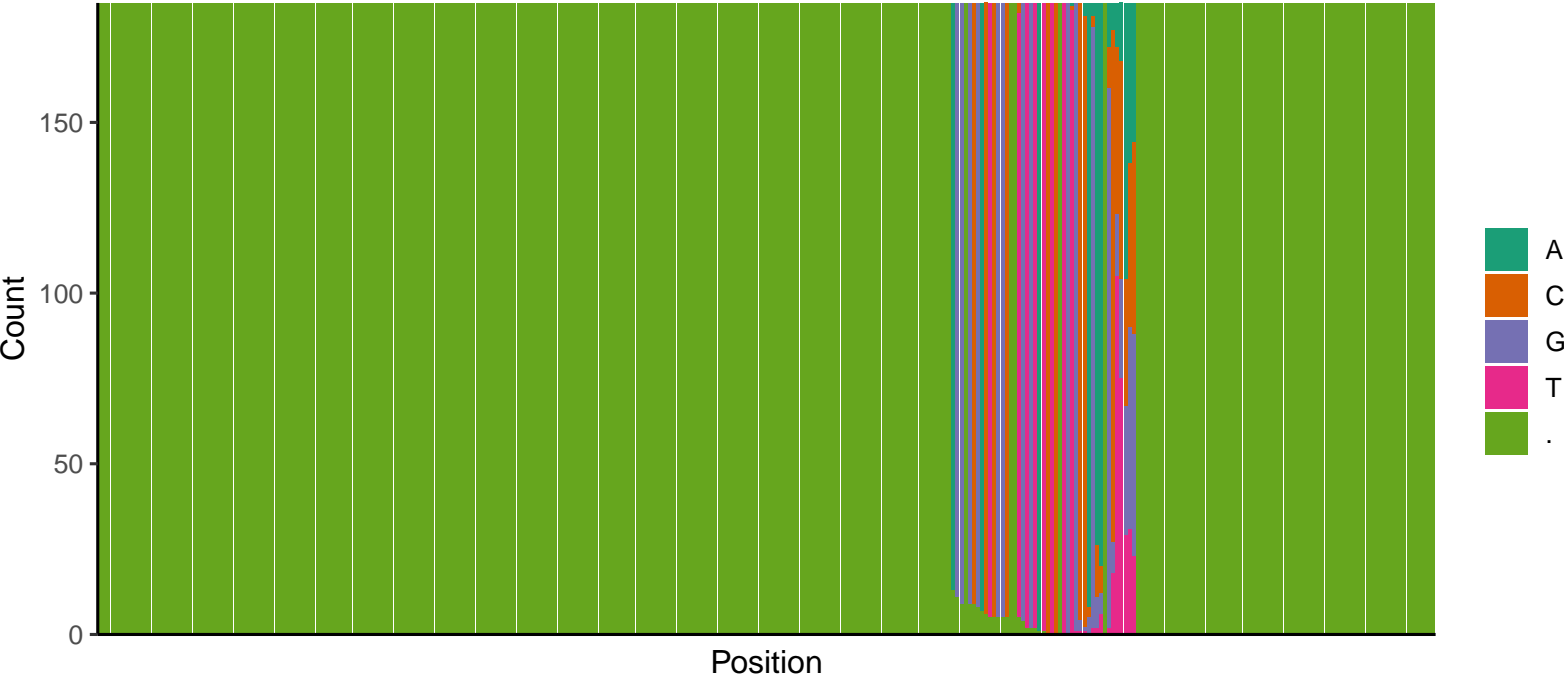
Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-7*ap01_C315T



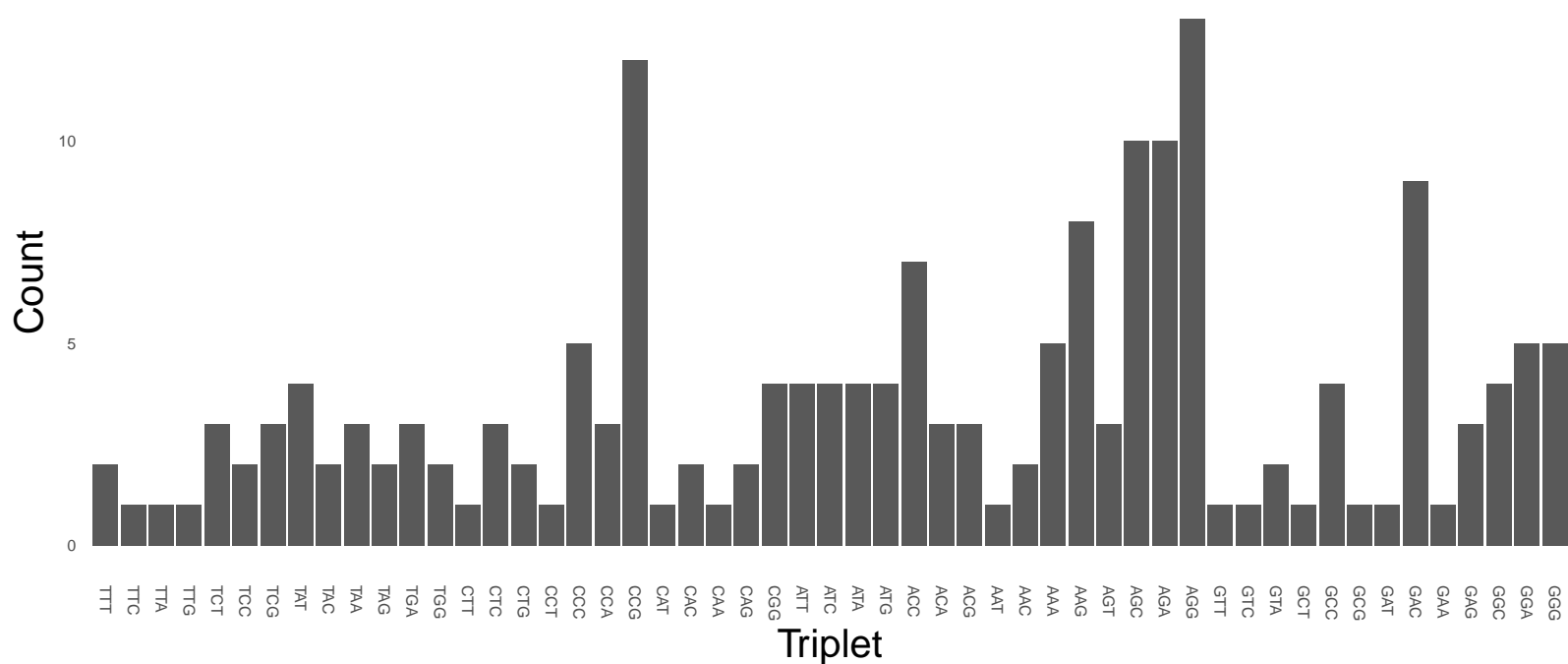
Gene TRBV7-1*ap01_G291C_T296C



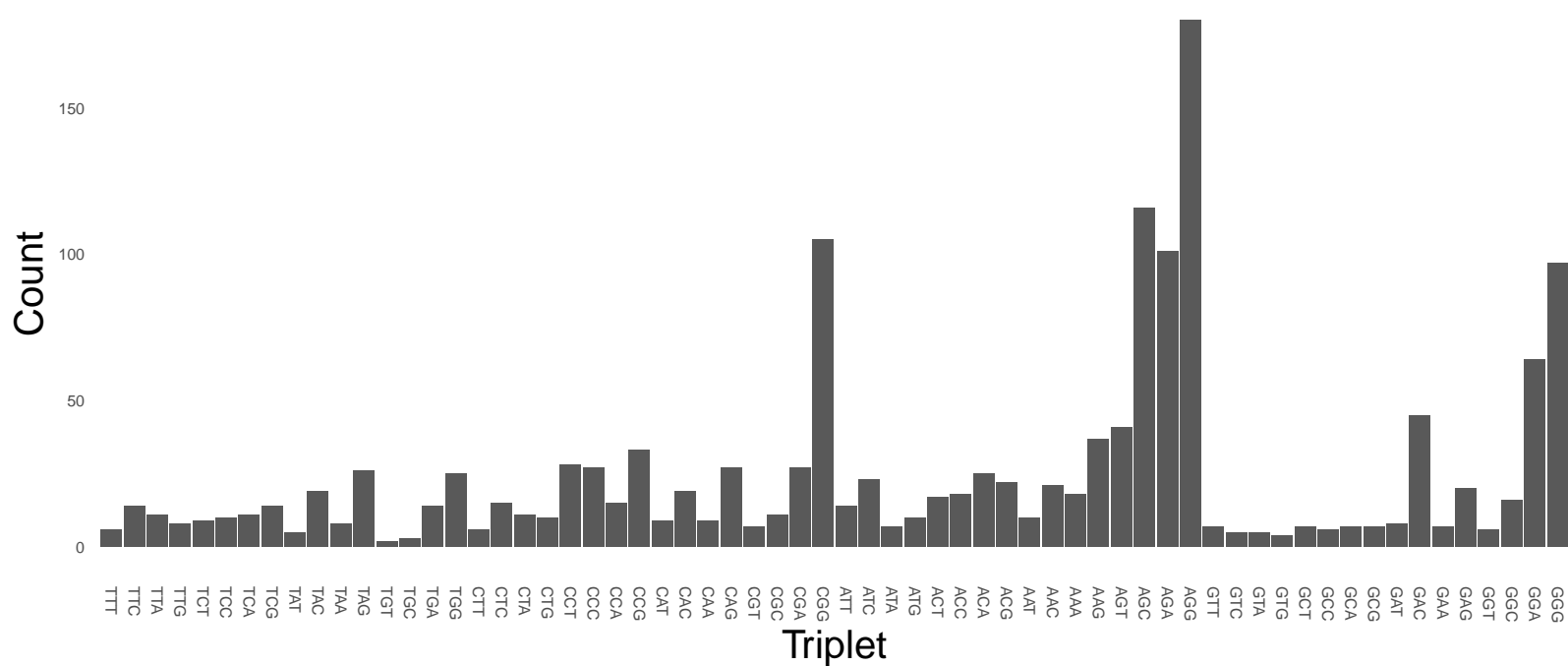
Gene TRBV7-7*ap01_C315T



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

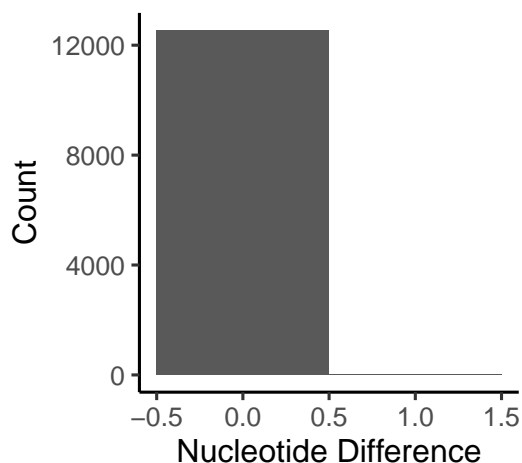


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



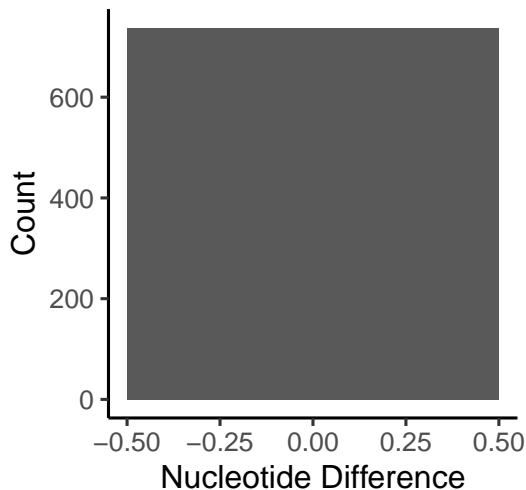
TRBV20-1*ap01

12569 sequences assigned
12548 (99.8%) exact matches, in which:
12536 unique CDR3
13 unique J



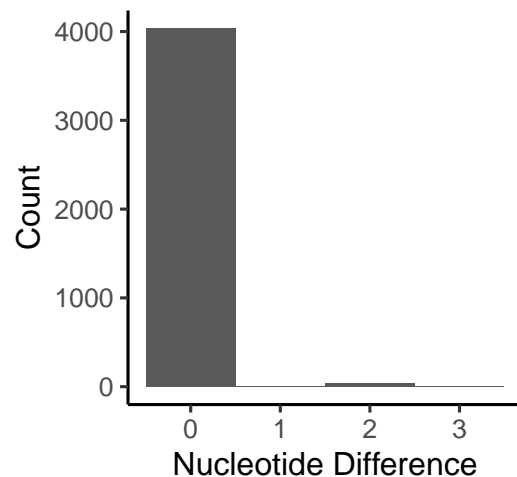
TRBV10-2*ap01

738 sequences assigned
738 (100%) exact matches, in which:
738 unique CDR3
13 unique J



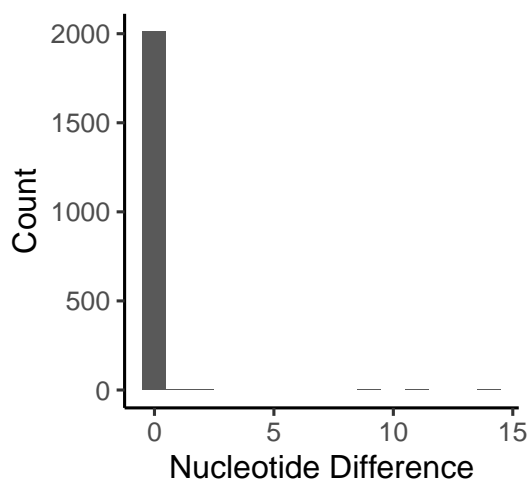
TRBV13*ap01

4079 sequences assigned
4035 (98.9%) exact matches, in which:
4033 unique CDR3
13 unique J



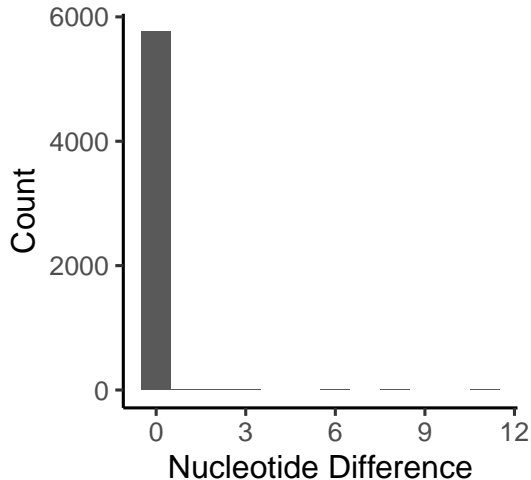
TRBV10-1*ap01

2021 sequences assigned
2011 (99.5%) exact matches, in which:
2009 unique CDR3
13 unique J



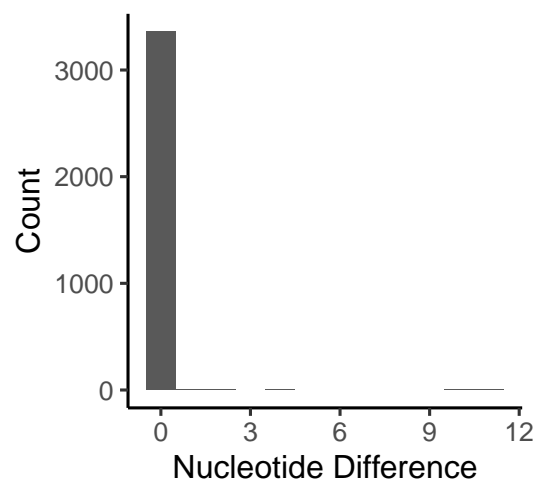
TRBV10-3*ap01

5780 sequences assigned
5761 (99.7%) exact matches, in which:
5760 unique CDR3
13 unique J



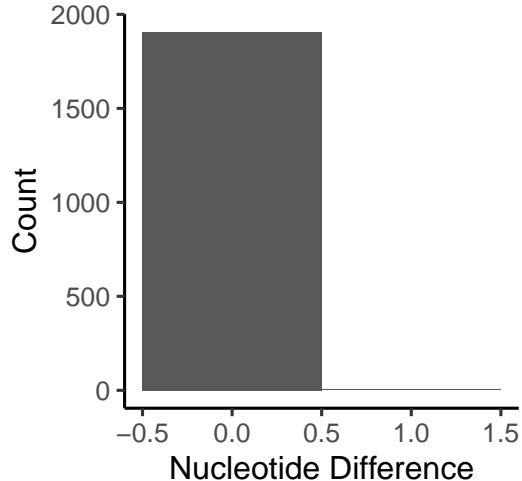
TRBV14*ap01

3364 sequences assigned
3359 (99.9%) exact matches, in which:
3359 unique CDR3
13 unique J



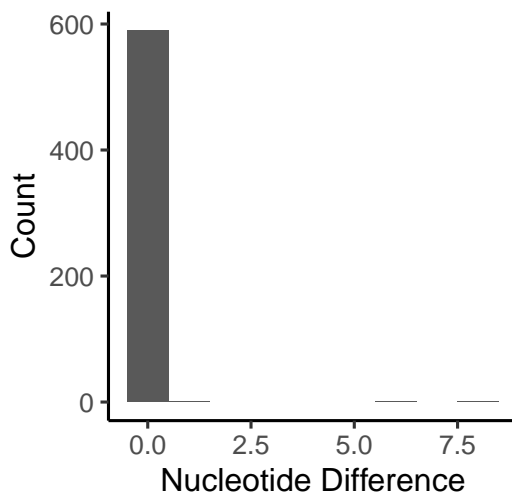
TRBV20-1*ap02

1911 sequences assigned
1906 (99.7%) exact matches, in which:
1903 unique CDR3
13 unique J



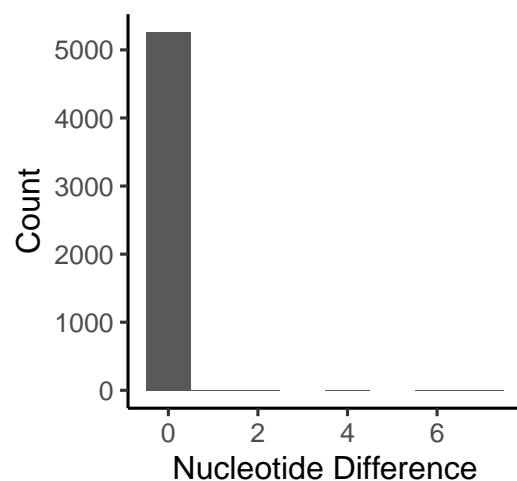
TRBV1*ap01

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



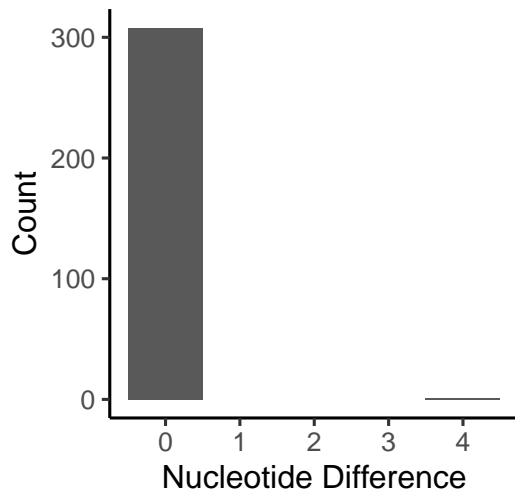
TRBV15*ap02

5274 sequences assigned
5262 (99.8%) exact matches, in which:
5258 unique CDR3
13 unique J



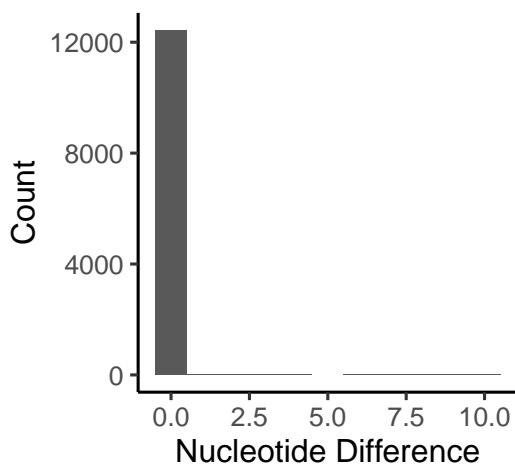
TRBV16*ap01

309 sequences assigned
308 (99.7%) exact matches, in which:
308 unique CDR3
13 unique J



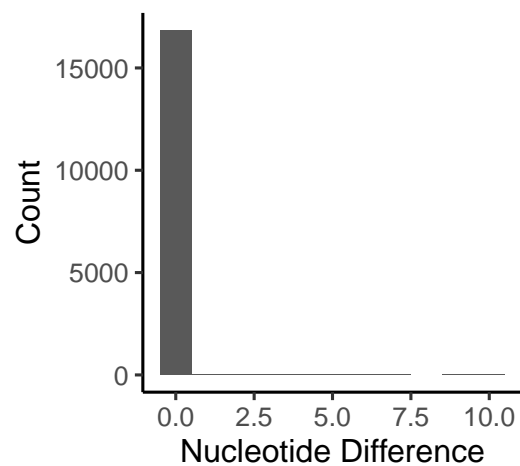
TRBV19*ap01

12480 sequences assigned
12435 (99.6%) exact matches, in which:
12435 unique CDR3
13 unique J



TRBV27*ap01

16906 sequences assigned
16846 (99.6%) exact matches, in which:
16799 unique CDR3
13 unique J



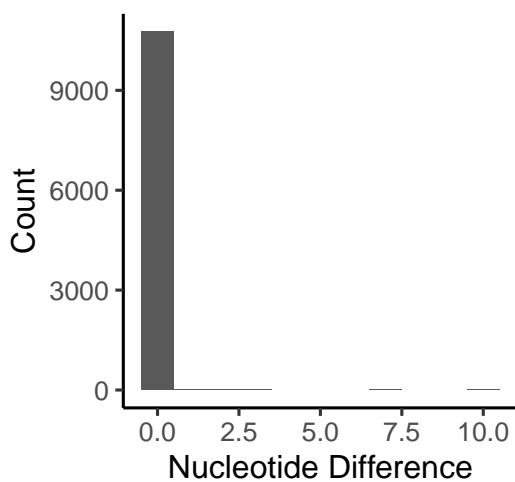
TRBV17*ap01

2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
1 unique J



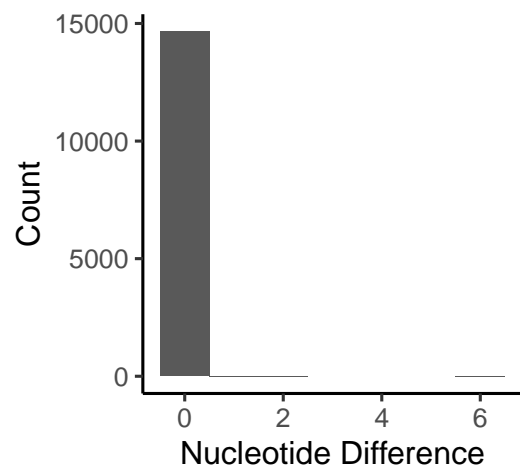
TRBV2*ap01

10784 sequences assigned
10760 (99.8%) exact matches, in which:
10742 unique CDR3
14 unique J



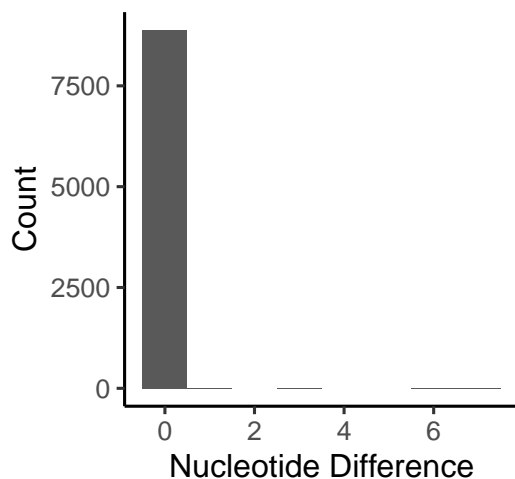
TRBV28*ap01

14687 sequences assigned
14660 (99.8%) exact matches, in which:
14658 unique CDR3
13 unique J



TRBV18*ap01

8898 sequences assigned
8883 (99.8%) exact matches, in which:
8883 unique CDR3
13 unique J



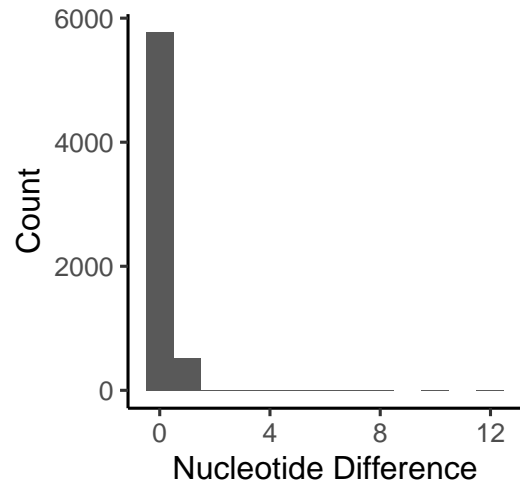
TRBV26*ap01

1 sequences assigned
1 (100%) exact matches, in which:
1 unique CDR3
1 unique J



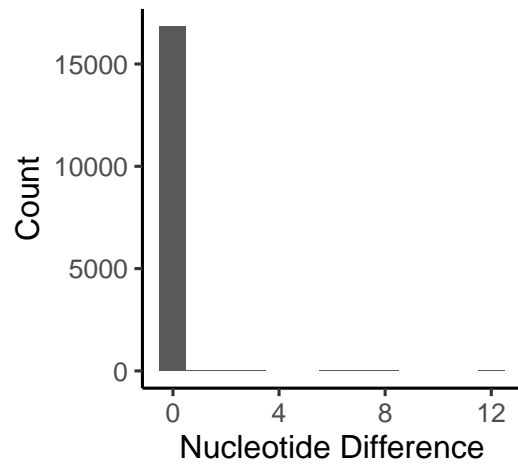
TRBV30*ap01

6323 sequences assigned
5776 (91.3%) exact matches, in which:
5767 unique CDR3
13 unique J



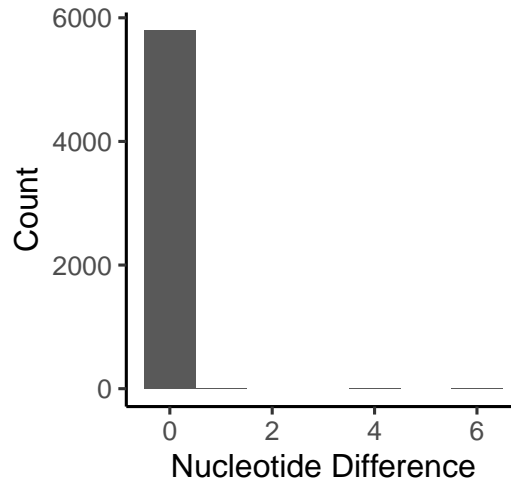
TRBV9*ap01

16878 sequences assigned
16849 (99.8%) exact matches, in which:
16837 unique CDR3
13 unique J



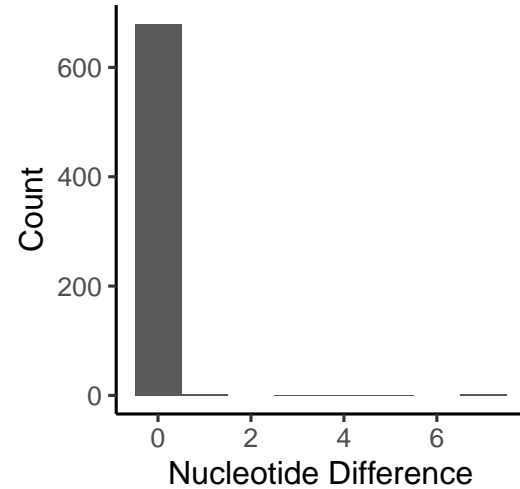
TRBV11-2*ap01

5807 sequences assigned
5796 (99.8%) exact matches, in which:
5794 unique CDR3
13 unique J



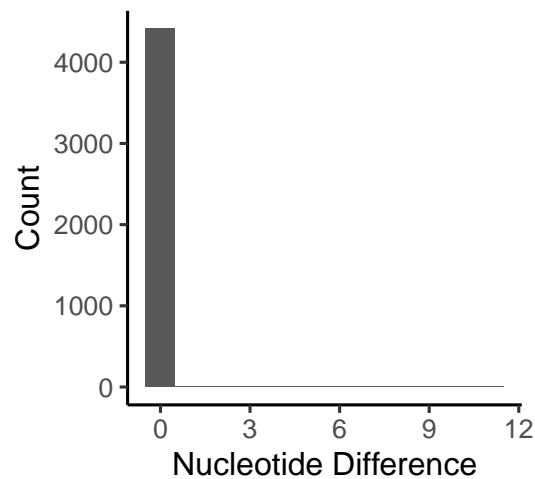
TRBV12-2*ap01

688 sequences assigned
680 (98.8%) exact matches, in which:
680 unique CDR3
13 unique J



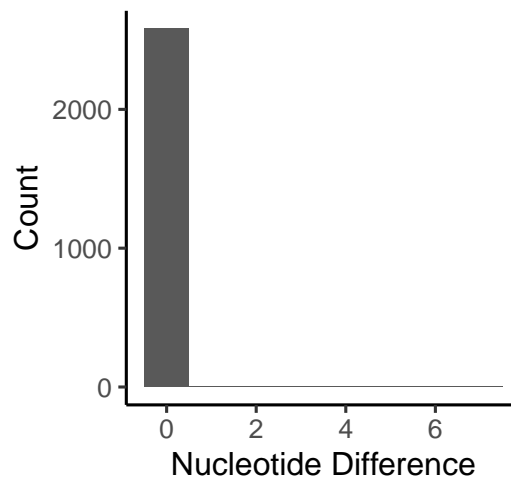
TRBV21-1*ap01

4463 sequences assigned
4413 (98.9%) exact matches, in which:
4413 unique CDR3
13 unique J



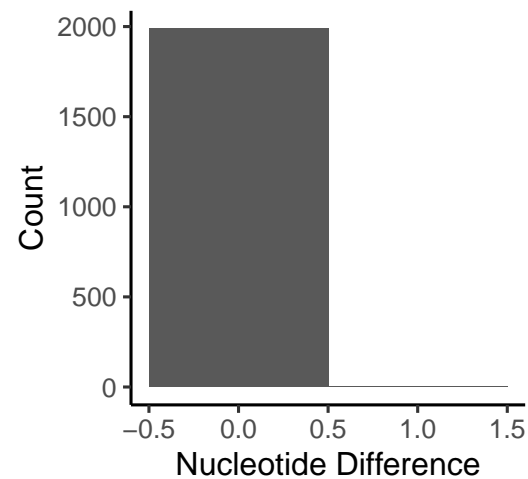
TRBV11-3*ap01

2592 sequences assigned
2581 (99.6%) exact matches, in which:
2581 unique CDR3
13 unique J



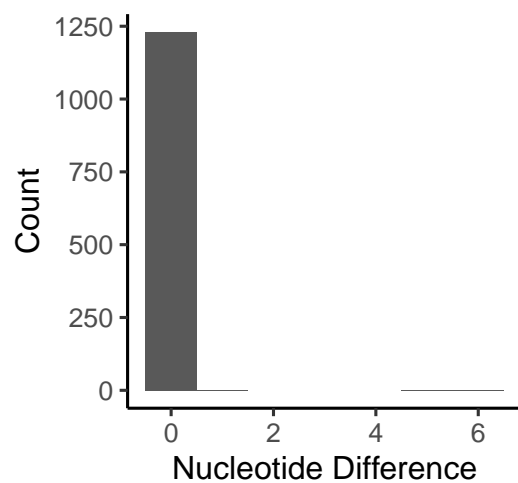
TRBV12-5*ap01

1990 sequences assigned
1988 (99.9%) exact matches, in which:
1988 unique CDR3
13 unique J



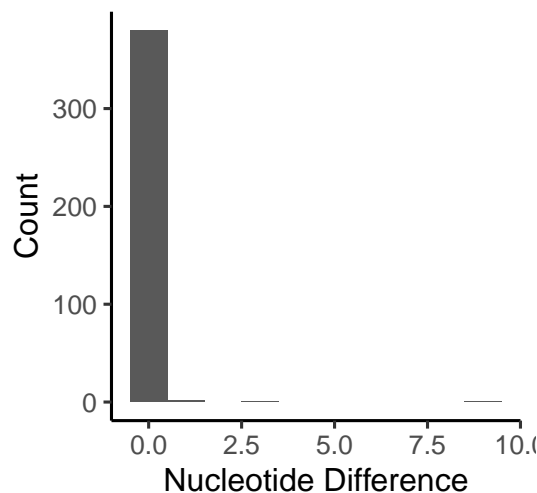
TRBV11-1*ap01

1234 sequences assigned
1230 (99.7%) exact matches, in which:
1229 unique CDR3
13 unique J



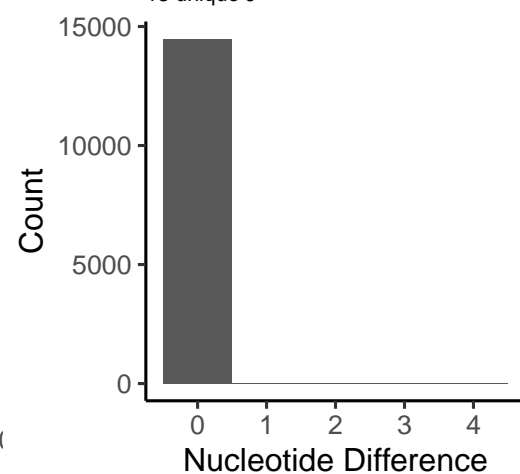
TRBV12-1*ap01

384 sequences assigned
380 (99%) exact matches, in which:
380 unique CDR3
13 unique J



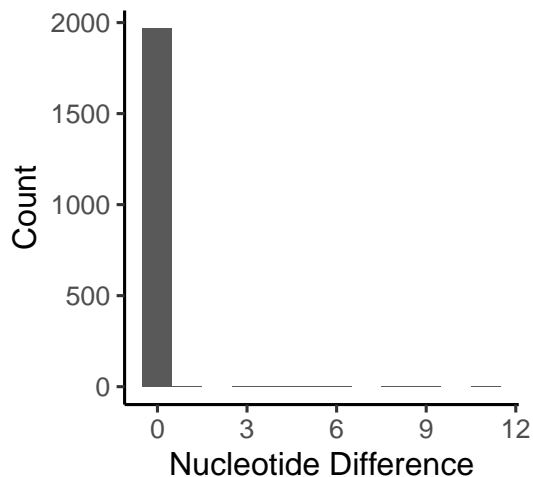
TRBV12-34*ap01

14507 sequences assigned
14484 (99.8%) exact matches, in which:
14481 unique CDR3
13 unique J



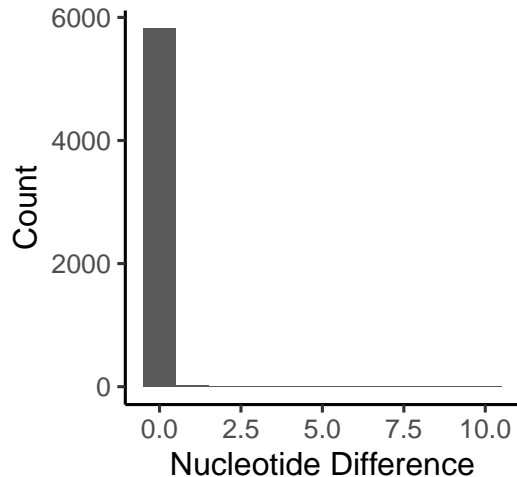
TRBV23-1*ap01

1989 sequences assigned
1968 (98.9%) exact matches, in which:
1967 unique CDR3
13 unique J



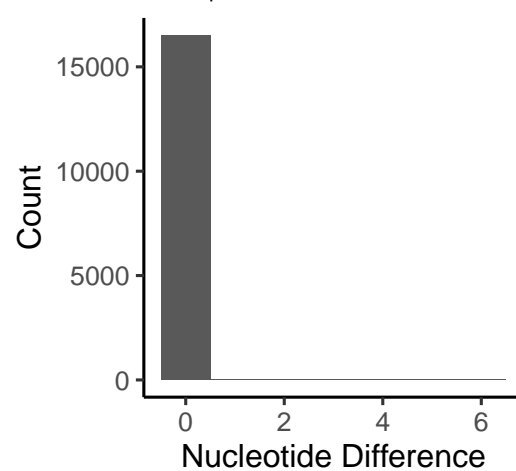
TRBV24-1*ap01

5862 sequences assigned
5821 (99.3%) exact matches, in which:
5806 unique CDR3
13 unique J



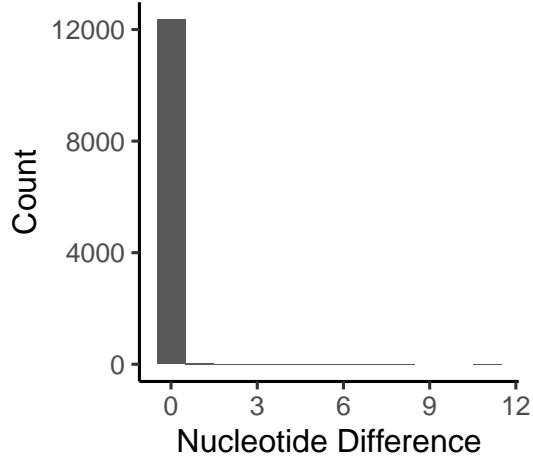
TRBV5-1*ap01

16556 sequences assigned
16518 (99.8%) exact matches, in which:
16500 unique CDR3
13 unique J



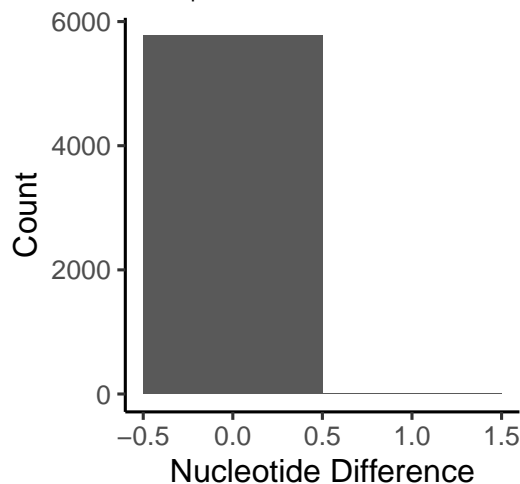
TRBV3-12*ap01

12416 sequences assigned
12361 (99.6%) exact matches, in which:
12335 unique CDR3
13 unique J



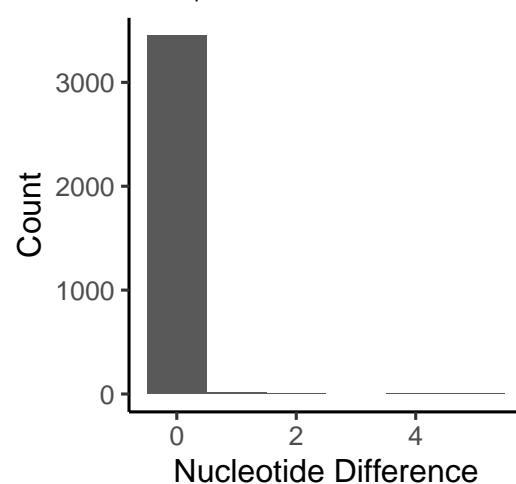
TRBV4-2*ap01

5787 sequences assigned
5772 (99.7%) exact matches, in which:
5769 unique CDR3
13 unique J



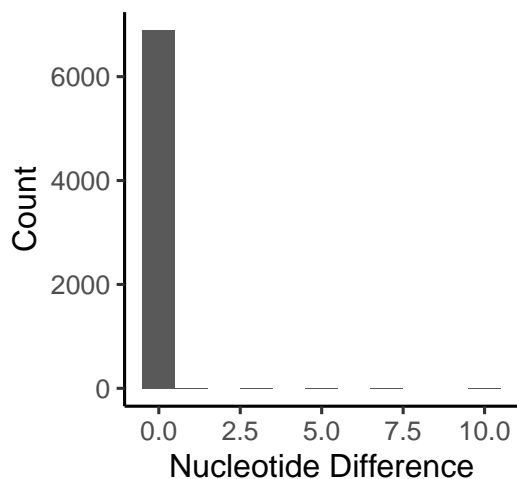
TRBV25-1*ap01

3471 sequences assigned
3449 (99.4%) exact matches, in which:
3441 unique CDR3
13 unique J



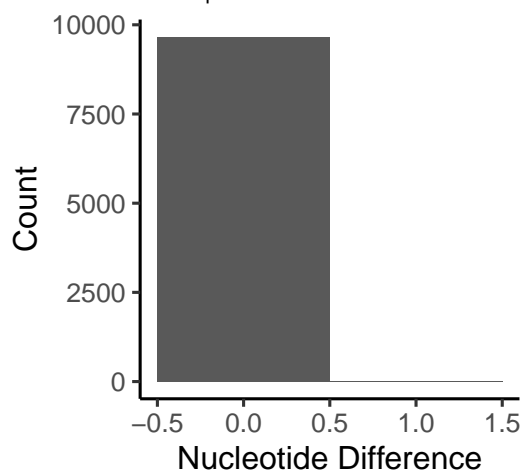
TRBV4-1*ap01

6907 sequences assigned
6897 (99.9%) exact matches, in which:
6895 unique CDR3
13 unique J



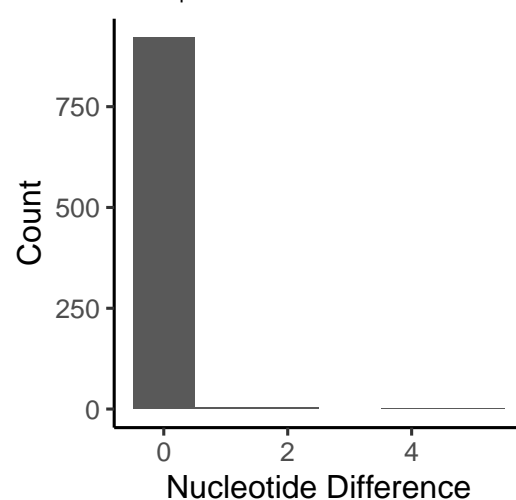
TRBV4-3*ap01

9677 sequences assigned
9664 (99.9%) exact matches, in which:
9659 unique CDR3
13 unique J



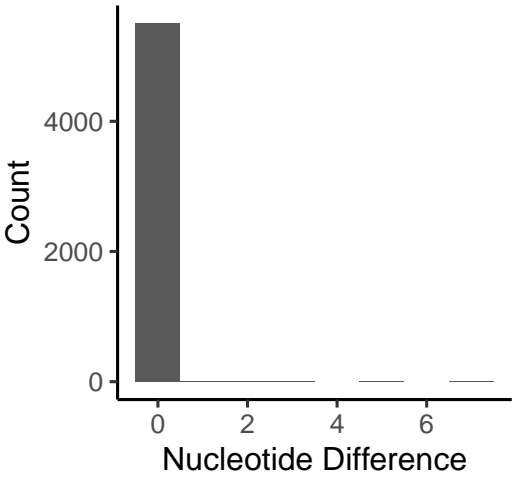
TRBV5-3*ap01

931 sequences assigned
922 (99%) exact matches, in which:
922 unique CDR3
13 unique J



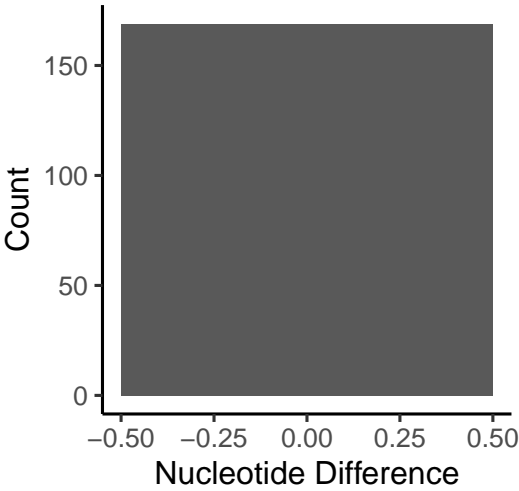
TRBV5-4*ap01

5517 sequences assigned
5504 (99.8%) exact matches, in which:
5503 unique CDR3
13 unique J



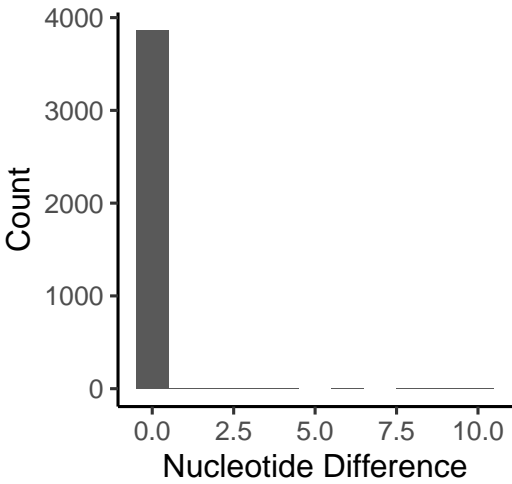
TRBV5-7*ap01

169 sequences assigned
169 (100%) exact matches, in which:
169 unique CDR3
13 unique J



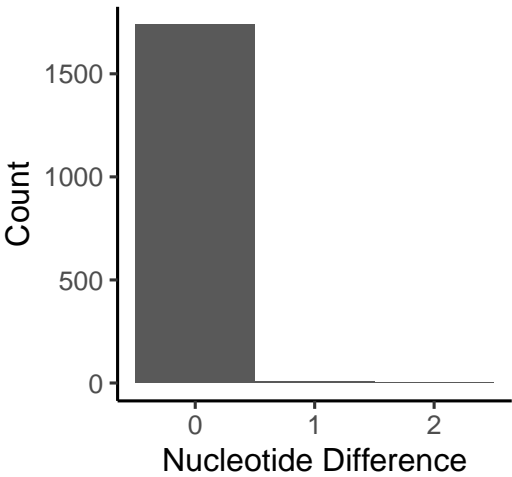
TRBV6-4*ap01

3881 sequences assigned
3862 (99.5%) exact matches, in which:
3862 unique CDR3
13 unique J



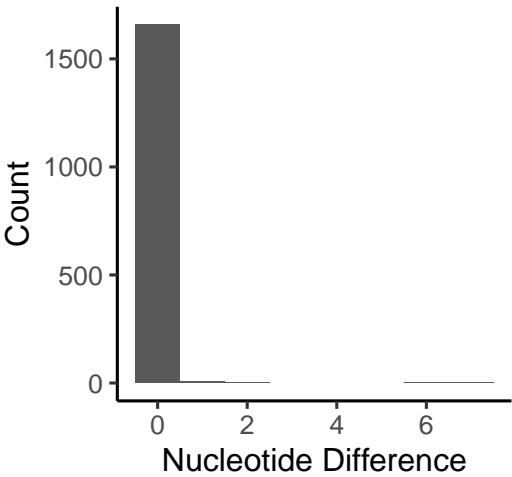
TRBV5-5*ap01

1744 sequences assigned
1738 (99.7%) exact matches, in which:
1738 unique CDR3
13 unique J



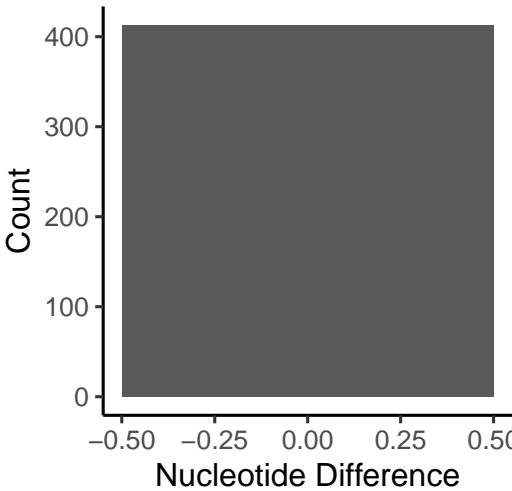
TRBV5-8*ap01

1670 sequences assigned
1658 (99.3%) exact matches, in which:
1657 unique CDR3
13 unique J



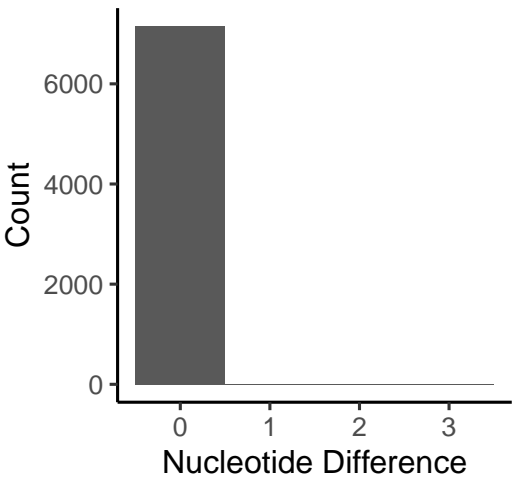
TRBV6-7*ap01

413 sequences assigned
413 (100%) exact matches, in which:
413 unique CDR3
13 unique J



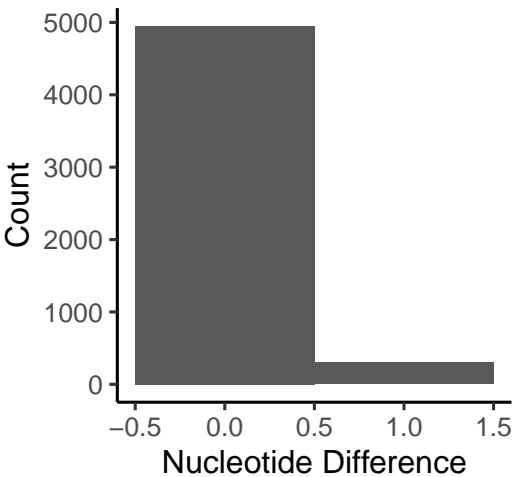
TRBV5-6*ap01

7168 sequences assigned
7154 (99.8%) exact matches, in which:
7142 unique CDR3
13 unique J



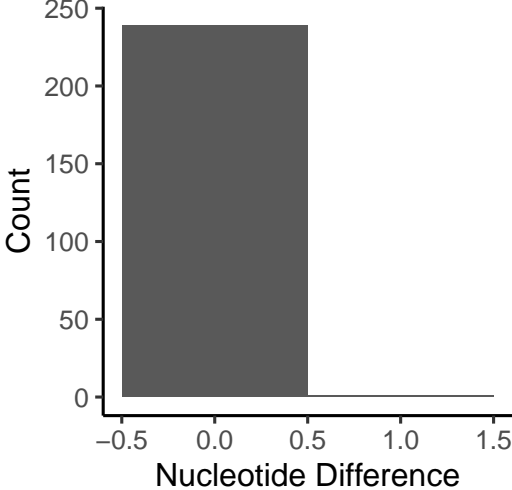
TRBV6-1*ap01

5254 sequences assigned
4950 (94.2%) exact matches, in which:
4945 unique CDR3
13 unique J



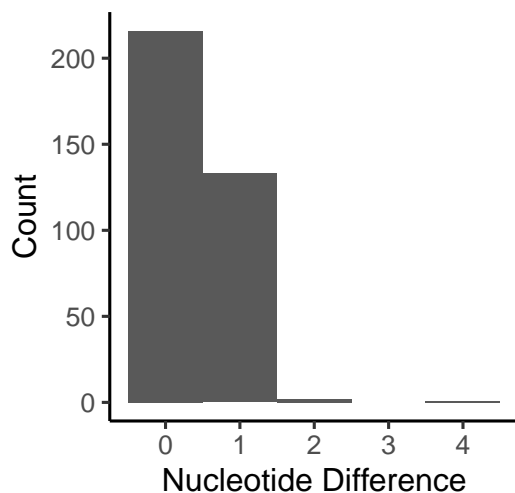
TRBV6-8*ap01

240 sequences assigned
239 (99.6%) exact matches, in which:
239 unique CDR3
13 unique J



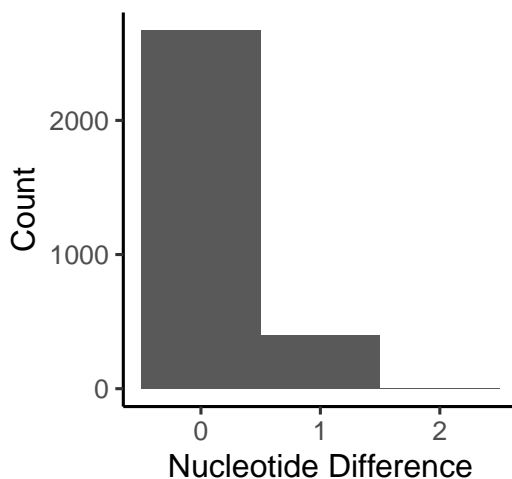
TRBV6–9*ap01

352 sequences assigned
216 (61.4%) exact matches, in which:
216 unique CDR3
13 unique J



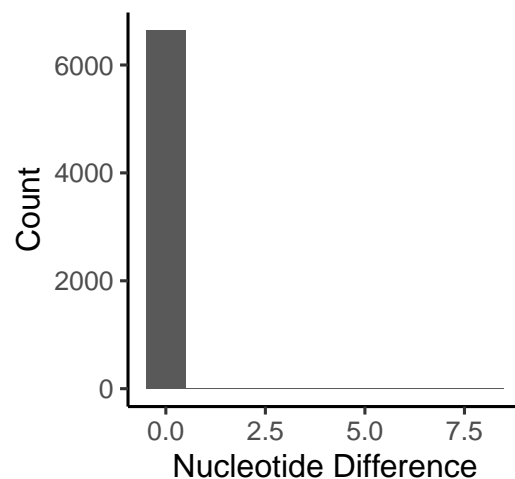
TRBV6–56*ap02

3072 sequences assigned
2671 (86.9%) exact matches, in which:
2668 unique CDR3
13 unique J



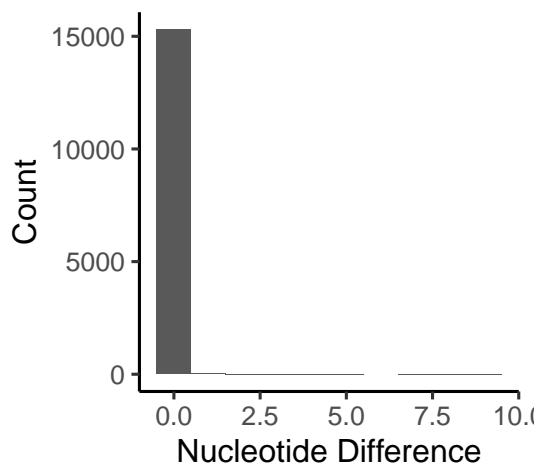
TRBV7–3*ap01

6668 sequences assigned
6641 (99.6%) exact matches, in which:
6637 unique CDR3
13 unique J



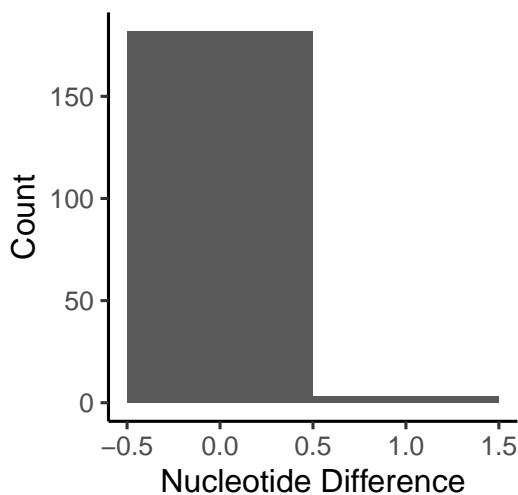
TRBV6–23*ap01

15354 sequences assigned
15303 (99.7%) exact matches, in which:
15272 unique CDR3
13 unique J



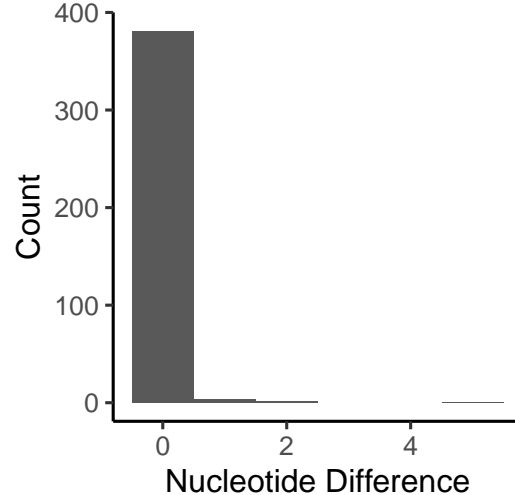
TRBV7–1*ap01_G291C_

185 sequences assigned
182 (98.4%) exact matches, in which:
182 unique CDR3
13 unique J



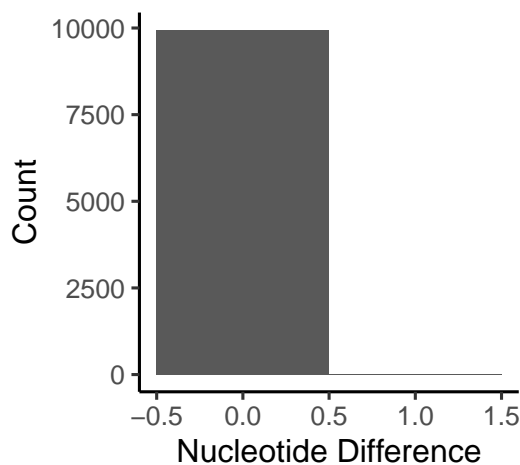
TRBV7–4*ap01

388 sequences assigned
381 (98.2%) exact matches, in which:
381 unique CDR3
13 unique J



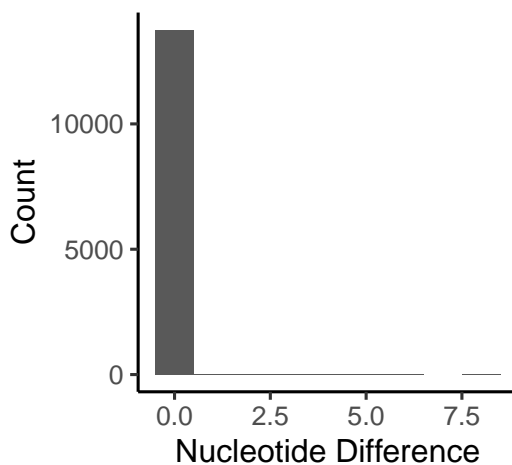
TRBV6–56*ap01

9958 sequences assigned
9949 (99.9%) exact matches, in which:
9942 unique CDR3
13 unique J



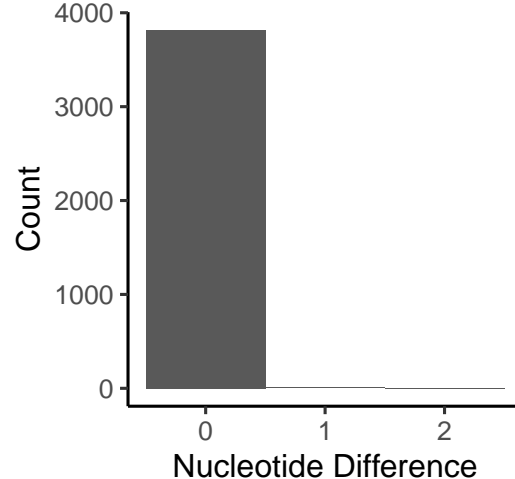
TRBV7–2*ap01

13786 sequences assigned
13755 (99.8%) exact matches, in which:
13753 unique CDR3
13 unique J



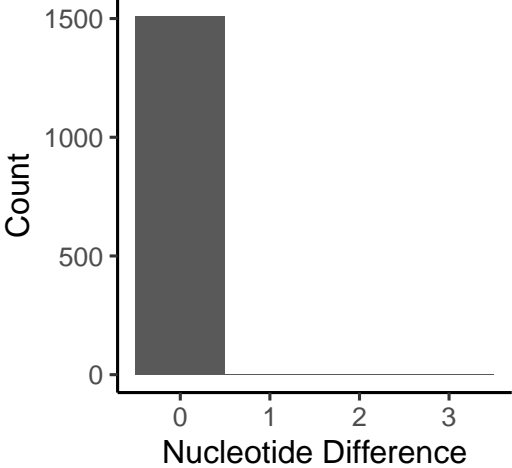
TRBV7–6*ap01

3825 sequences assigned
3816 (99.8%) exact matches, in which:
3816 unique CDR3
13 unique J



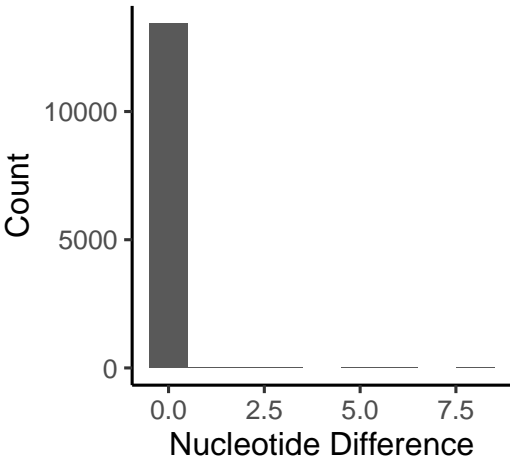
TRBV7-7*ap01_C315T

1515 sequences assigned
1509 (99.6%) exact matches, in which:
1509 unique CDR3
13 unique J



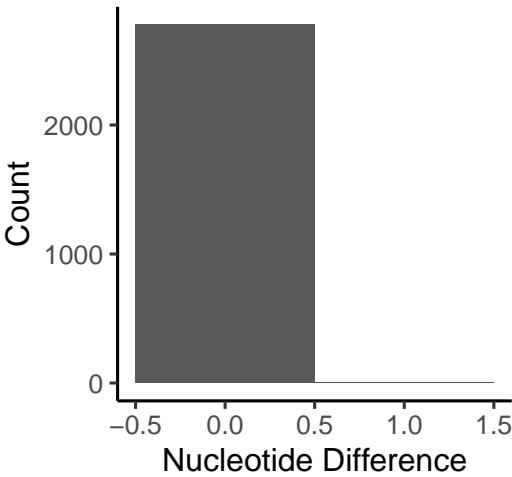
TRBV7-9*ap01

13473 sequences assigned
13447 (99.8%) exact matches, in which:
13445 unique CDR3
13 unique J



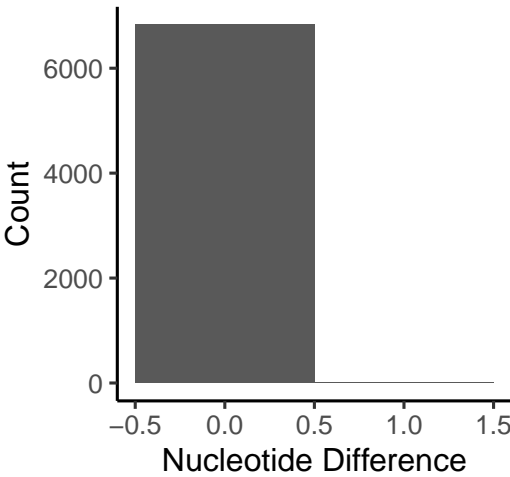
TRBV7-8*ap01

2780 sequences assigned
2777 (99.9%) exact matches, in which:
2777 unique CDR3
13 unique J



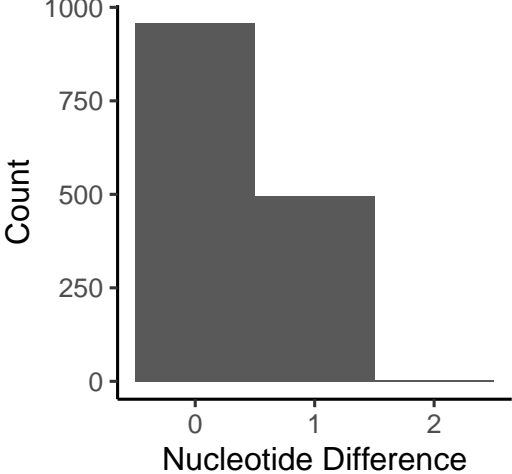
TRBV29-1*ap01

6847 sequences assigned
6829 (99.7%) exact matches, in which:
6810 unique CDR3
13 unique J



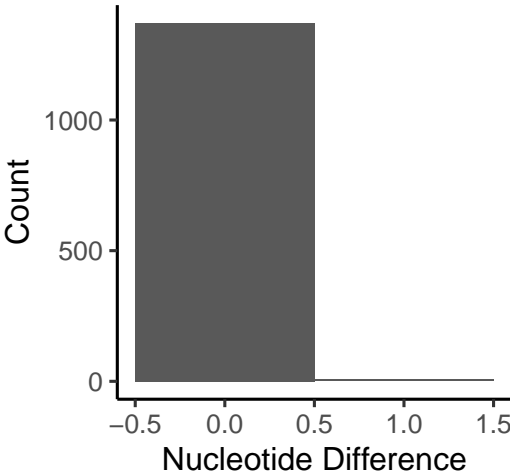
TRBV7-8*ap03

1456 sequences assigned
958 (65.8%) exact matches, in which:
958 unique CDR3
13 unique J

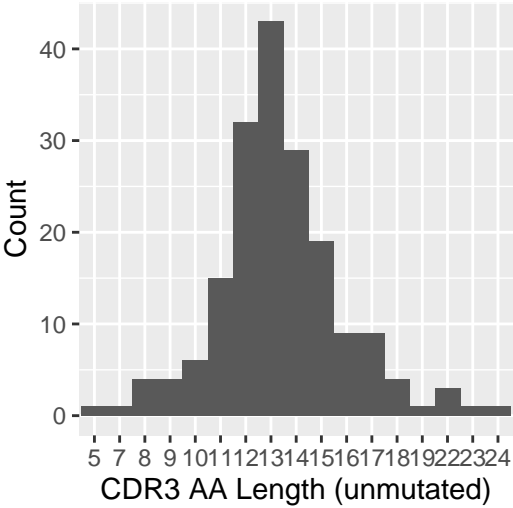


TRBV29-1*ap02

1378 sequences assigned
1371 (99.5%) exact matches, in which:
1371 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

