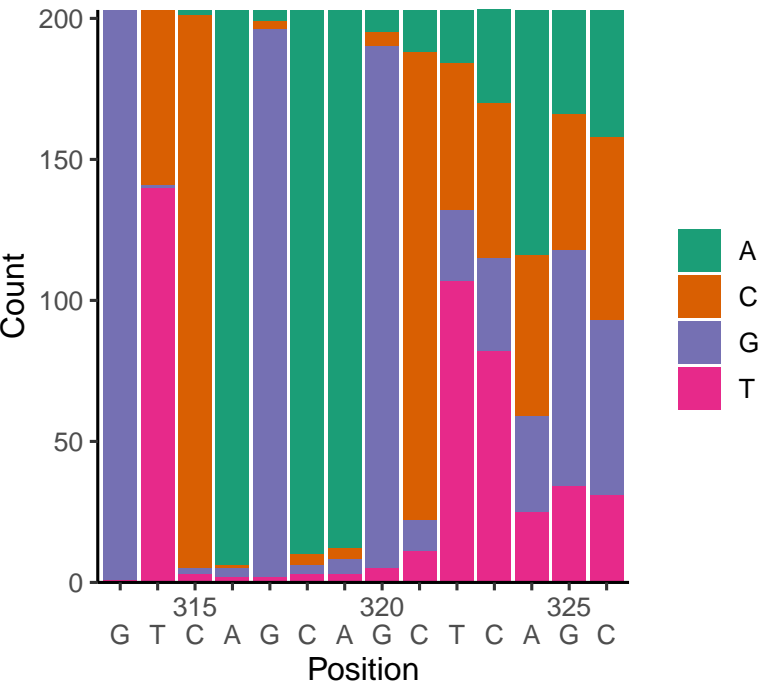
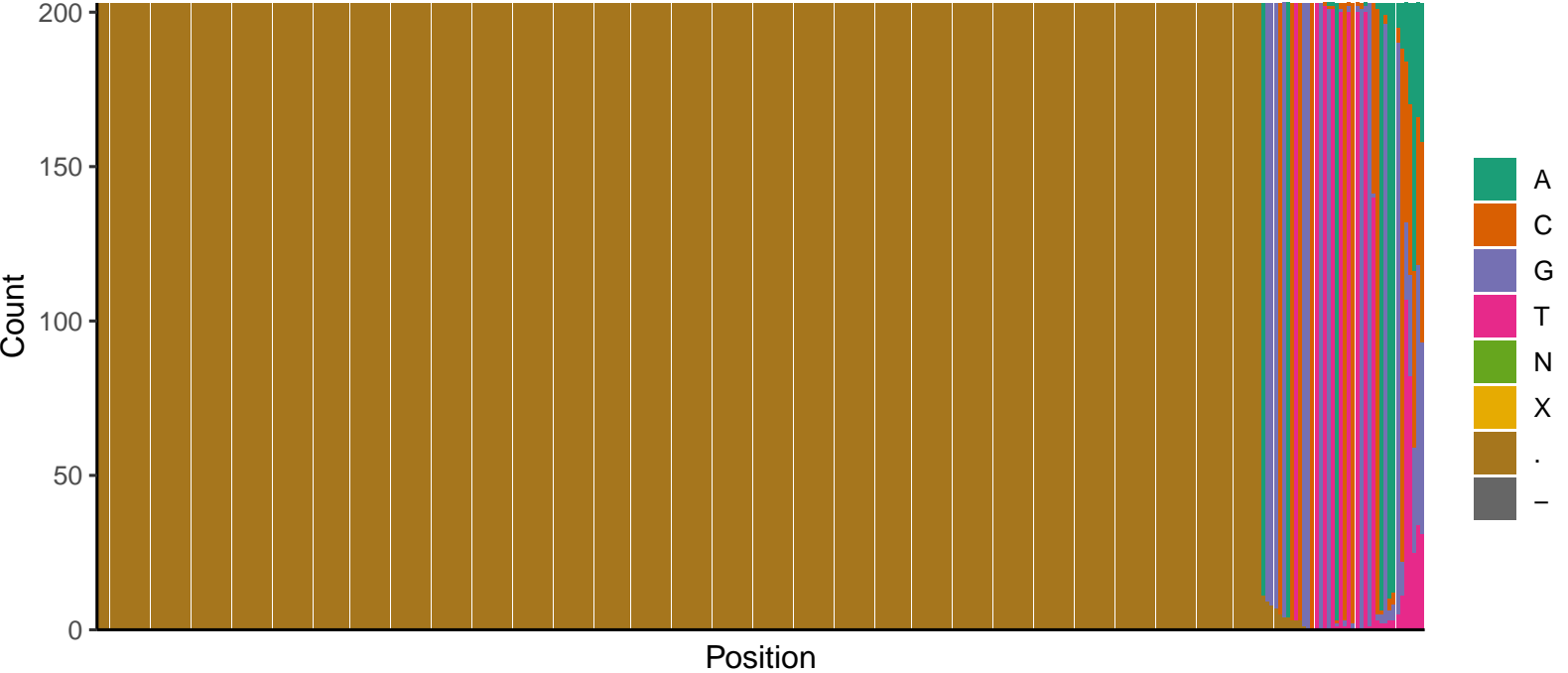


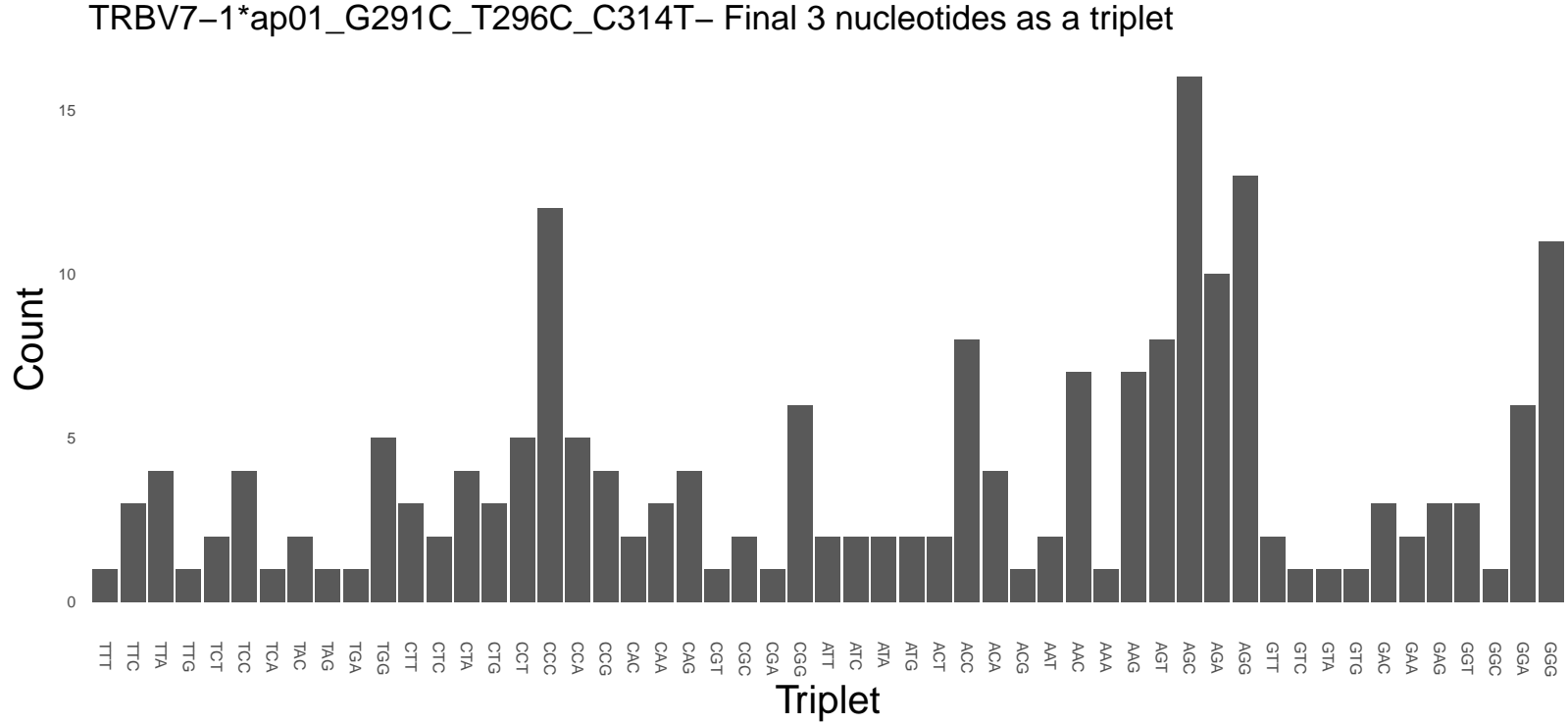
Gene TRBV7-1*ap01_G291C_T296C_C314T



Gene TRBV7-1*ap01_G291C_T296C_C314T

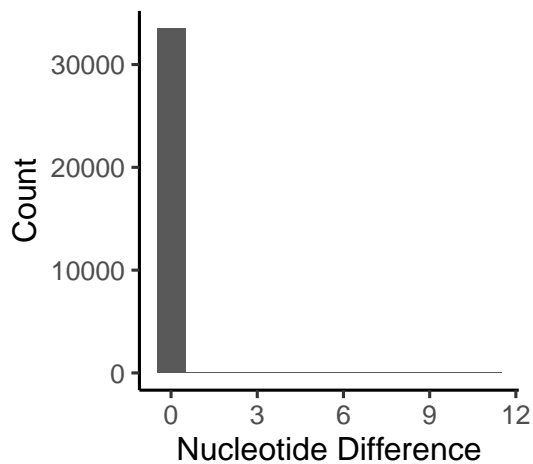


TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



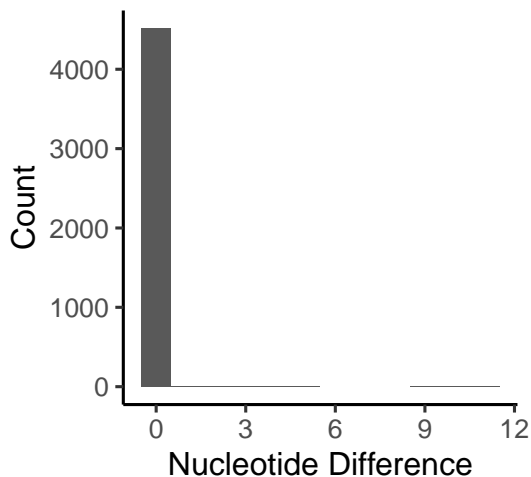
TRBV20-1*ap01

33682 sequences assigned
33541 (99.6%) exact matches, in which:
33532 unique CDR3
13 unique J



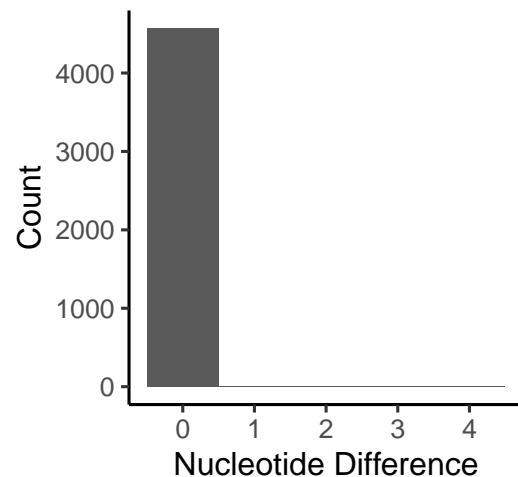
TRBV10-3*ap01

4534 sequences assigned
4515 (99.6%) exact matches, in which:
4514 unique CDR3
12 unique J



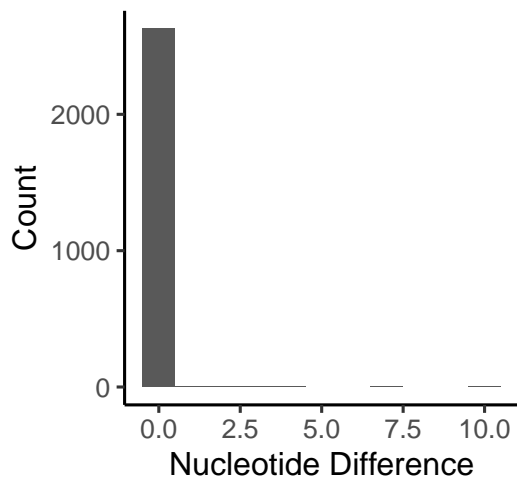
TRBV14*ap01

4574 sequences assigned
4569 (99.9%) exact matches, in which:
4568 unique CDR3
14 unique J



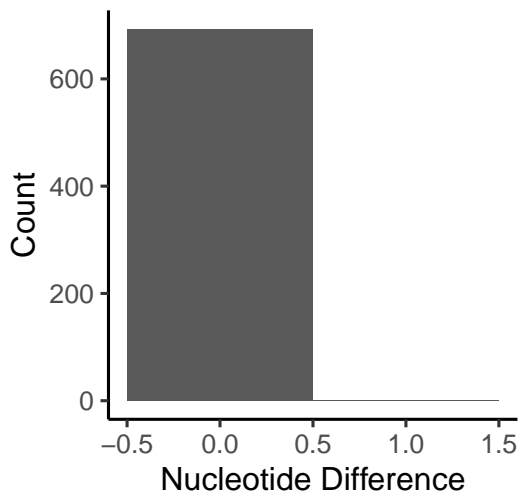
TRBV10-1*ap01

2636 sequences assigned
2628 (99.7%) exact matches, in which:
2628 unique CDR3
12 unique J



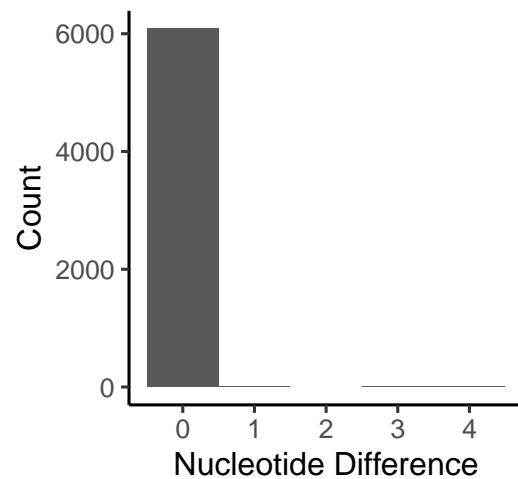
TRBV1*ap01

694 sequences assigned
693 (99.9%) exact matches, in which:
693 unique CDR3
12 unique J



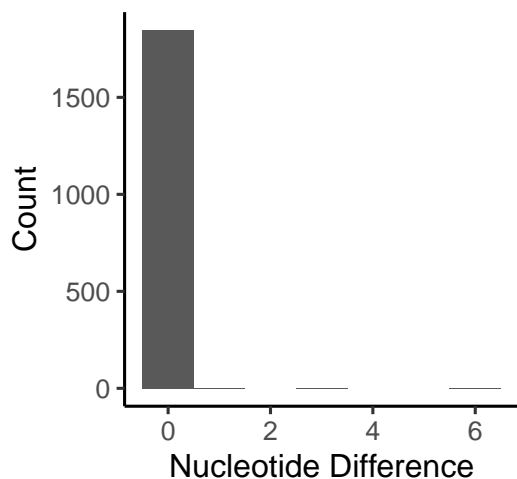
TRBV15*ap02

6101 sequences assigned
6085 (99.7%) exact matches, in which:
6081 unique CDR3
12 unique J



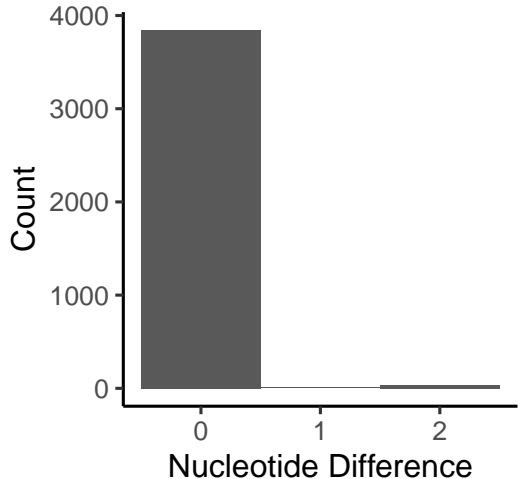
TRBV10-2*ap01

1852 sequences assigned
1847 (99.7%) exact matches, in which:
1846 unique CDR3
13 unique J



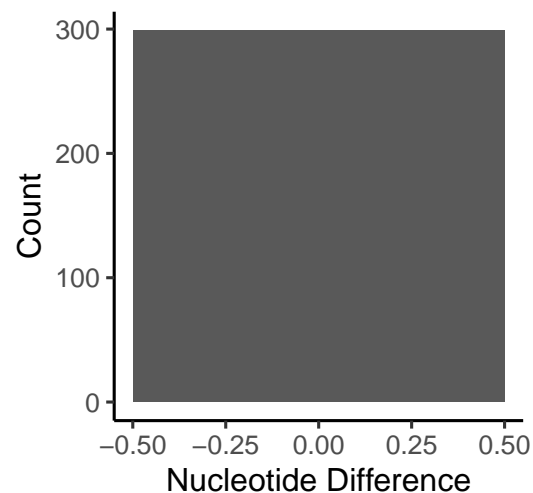
TRBV13*ap01

3889 sequences assigned
3844 (98.8%) exact matches, in which:
3843 unique CDR3
12 unique J



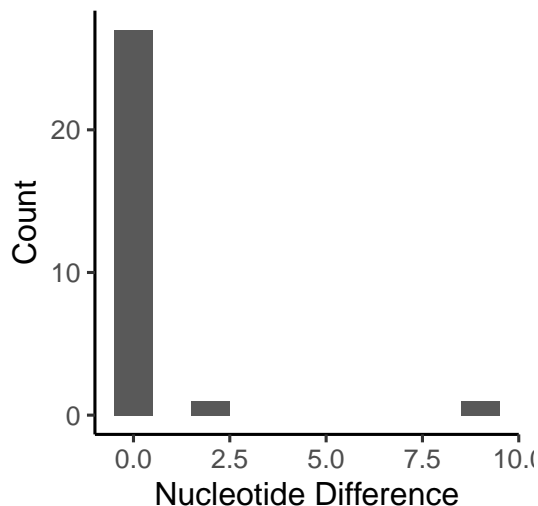
TRBV16*ap01

299 sequences assigned
299 (100%) exact matches, in which:
299 unique CDR3
12 unique J



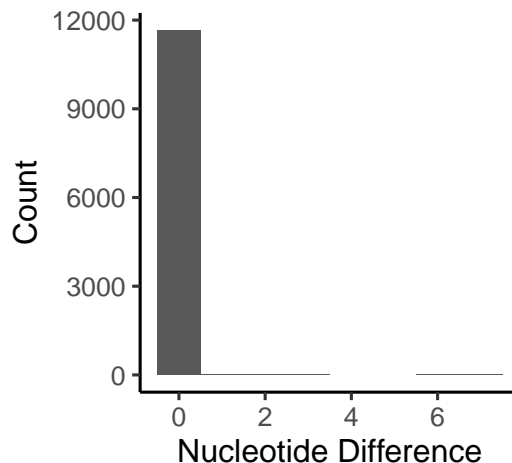
TRBV17*ap01

29 sequences assigned
27 (93.1%) exact matches, in which:
27 unique CDR3
10 unique J



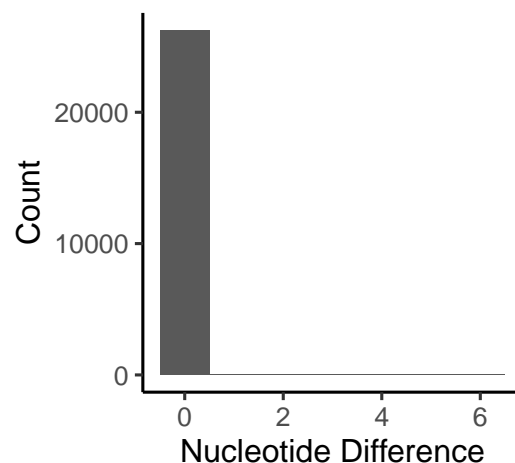
TRBV2*ap01

11695 sequences assigned
11660 (99.7%) exact matches, in which:
11646 unique CDR3
13 unique J



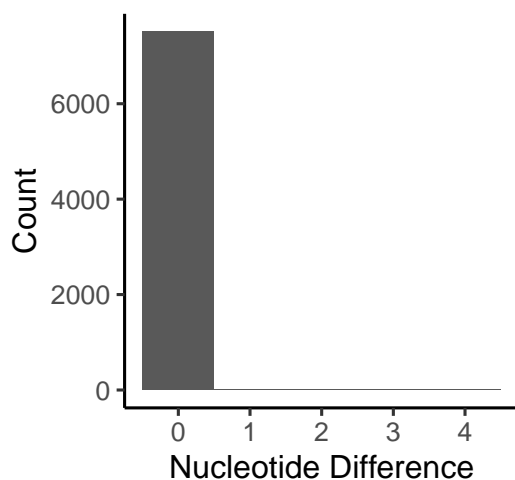
TRBV28*ap01

26308 sequences assigned
26253 (99.8%) exact matches, in which:
26249 unique CDR3
13 unique J



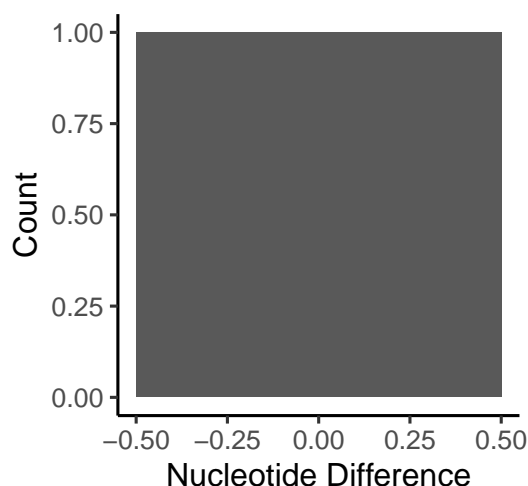
TRBV18*ap01

7520 sequences assigned
7509 (99.9%) exact matches, in which:
7509 unique CDR3
13 unique J



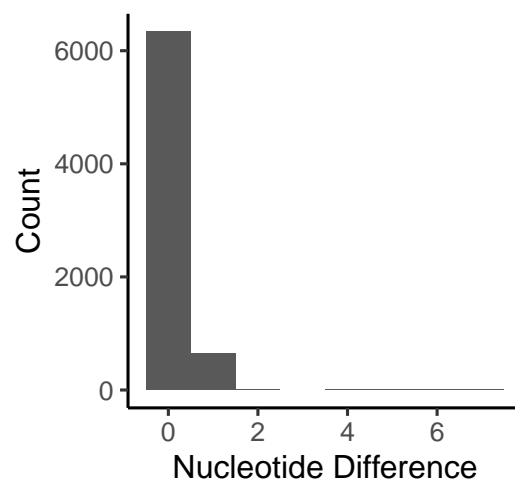
TRBV26*ap01

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



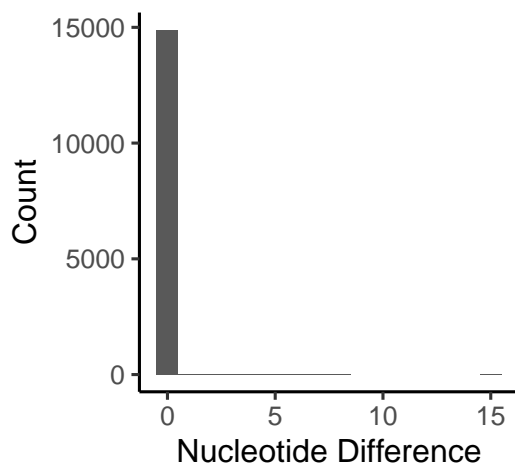
TRBV30*ap01

7006 sequences assigned
6336 (90.4%) exact matches, in which:
6320 unique CDR3
13 unique J



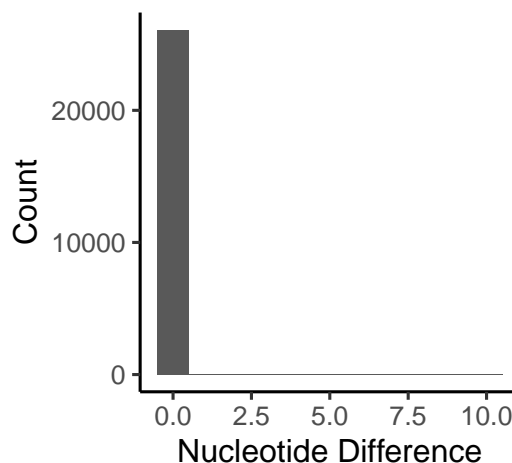
TRBV19*ap01

14950 sequences assigned
14894 (99.6%) exact matches, in which:
14892 unique CDR3
13 unique J



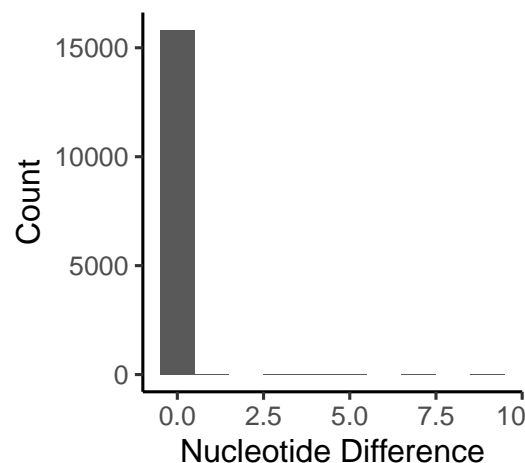
TRBV27*ap01

26183 sequences assigned
26096 (99.7%) exact matches, in which:
26037 unique CDR3
13 unique J



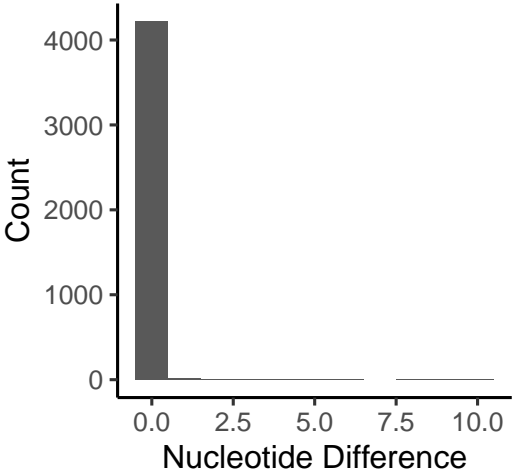
TRBV9*ap01

15852 sequences assigned
15825 (99.8%) exact matches, in which:
15821 unique CDR3
12 unique J



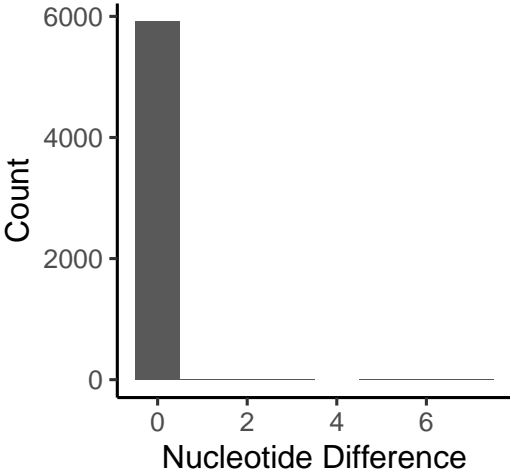
TRBV21-1*ap01

4254 sequences assigned
4219 (99.2%) exact matches, in which:
4218 unique CDR3
13 unique J



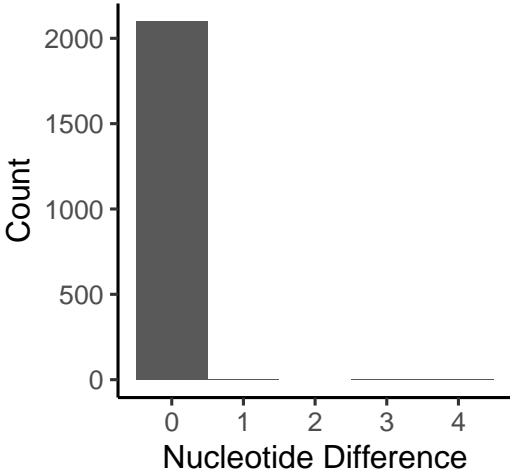
TRBV11-3*ap01

5938 sequences assigned
5917 (99.6%) exact matches, in which:
5917 unique CDR3
12 unique J



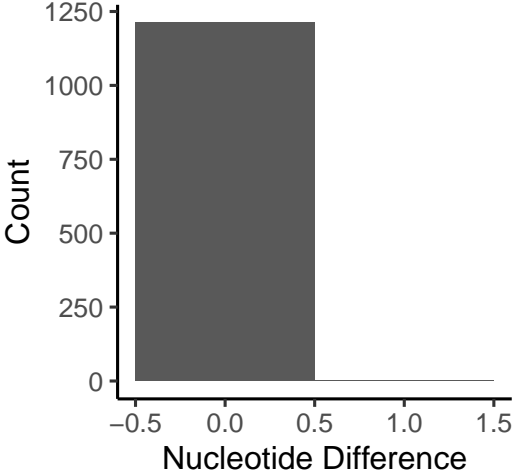
TRBV12-5*ap01

2105 sequences assigned
2099 (99.7%) exact matches, in which:
2099 unique CDR3
12 unique J



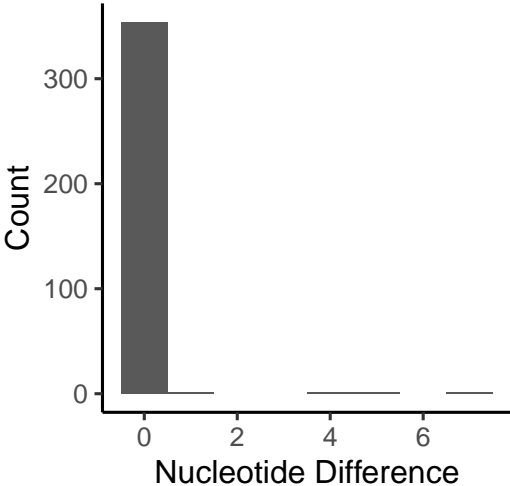
TRBV11-1*ap01

1215 sequences assigned
1212 (99.8%) exact matches, in which:
1211 unique CDR3
12 unique J



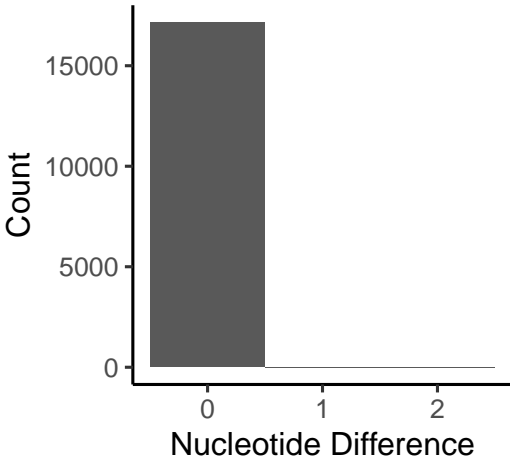
TRBV12-1*ap01

358 sequences assigned
354 (98.9%) exact matches, in which:
354 unique CDR3
12 unique J



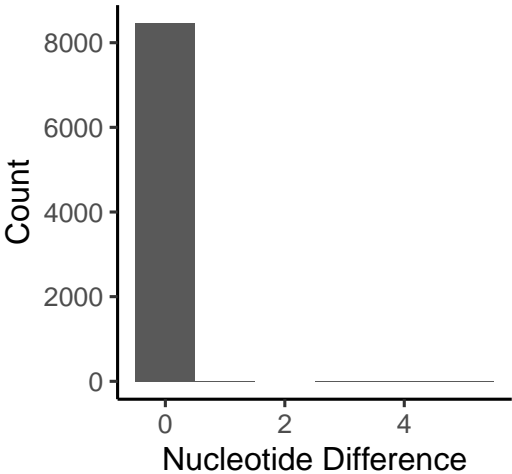
TRBV12-34*ap01

17181 sequences assigned
17152 (99.8%) exact matches, in which:
17148 unique CDR3
12 unique J



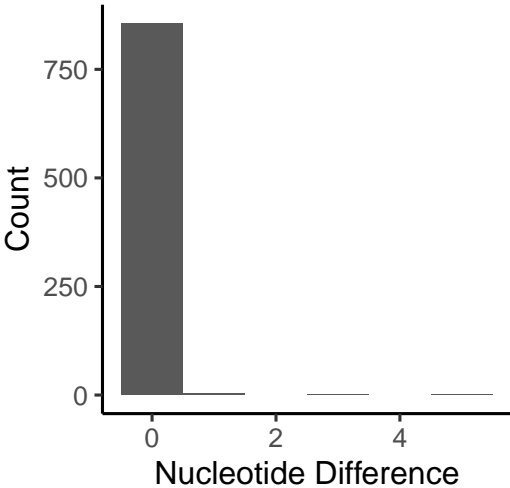
TRBV11-2*ap01

8478 sequences assigned
8464 (99.8%) exact matches, in which:
8460 unique CDR3
13 unique J



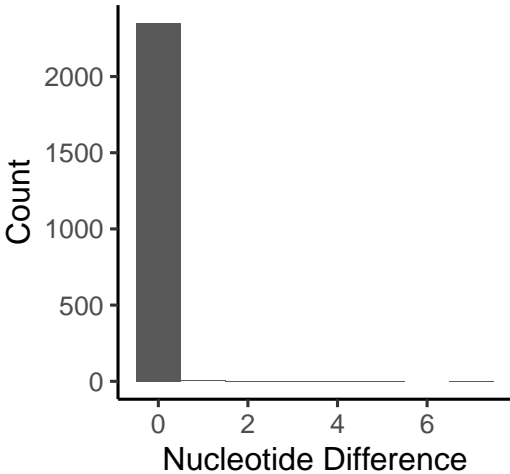
TRBV12-2*ap01

861 sequences assigned
856 (99.4%) exact matches, in which:
856 unique CDR3
12 unique J



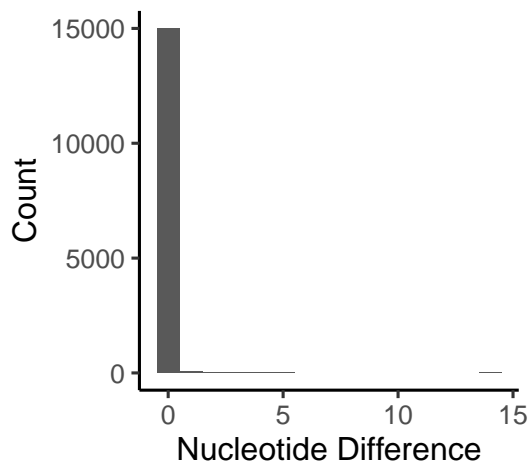
TRBV23-1*ap01

2363 sequences assigned
2351 (99.5%) exact matches, in which:
2350 unique CDR3
12 unique J



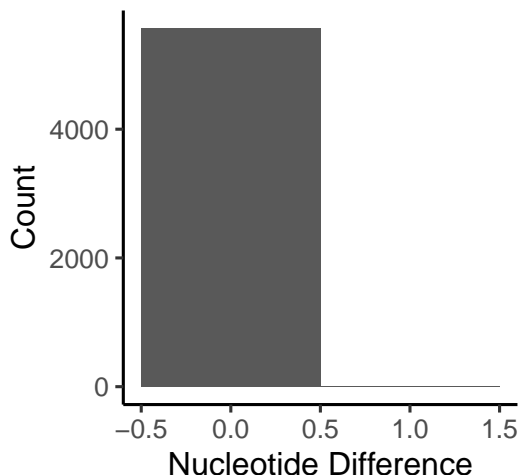
TRBV3-12*ap01

15082 sequences assigned
15012 (99.5%) exact matches, in which:
14979 unique CDR3
13 unique J



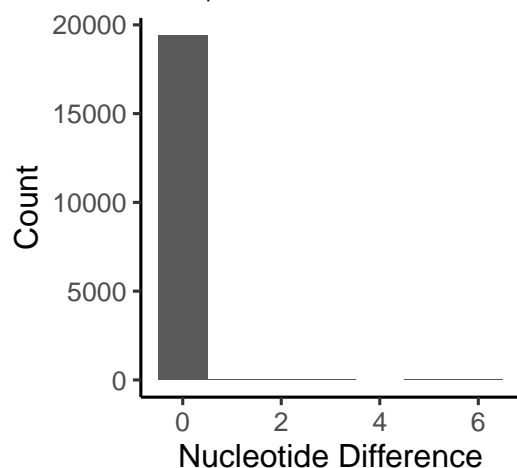
TRBV4-2*ap01

5581 sequences assigned
5566 (99.7%) exact matches, in which:
5566 unique CDR3
12 unique J



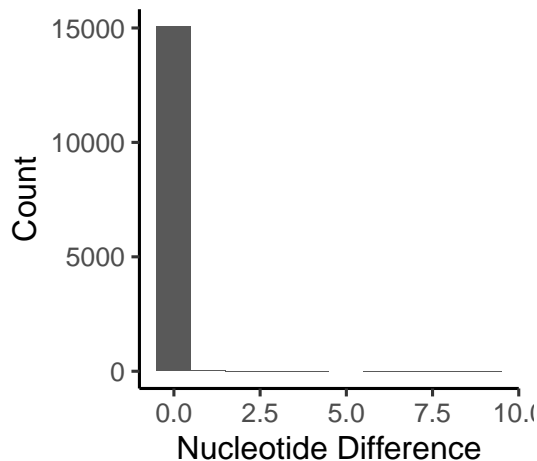
TRBV5-1*ap01

19446 sequences assigned
19420 (99.9%) exact matches, in which:
19388 unique CDR3
13 unique J



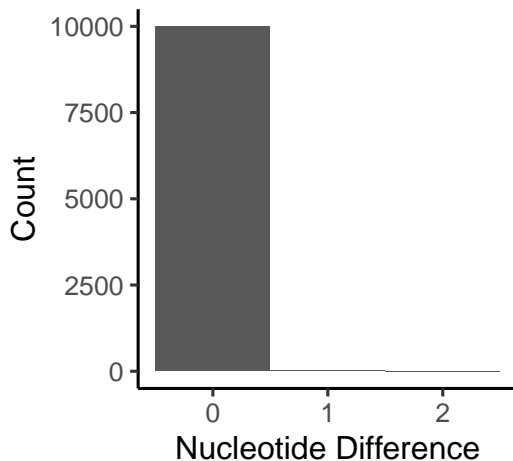
TRBV24-1*ap01

15118 sequences assigned
15065 (99.6%) exact matches, in which:
15014 unique CDR3
13 unique J



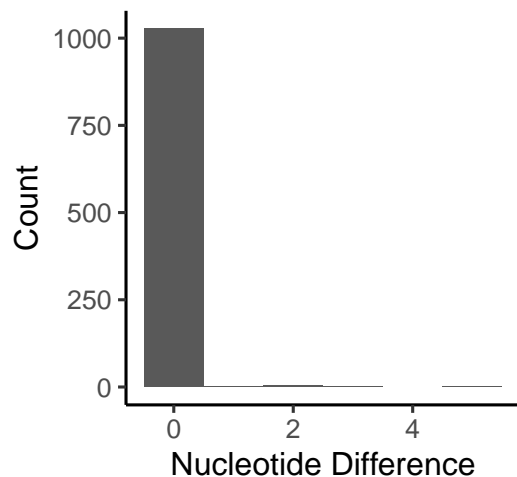
TRBV4-3*ap01

10013 sequences assigned
9996 (99.8%) exact matches, in which:
9992 unique CDR3
12 unique J



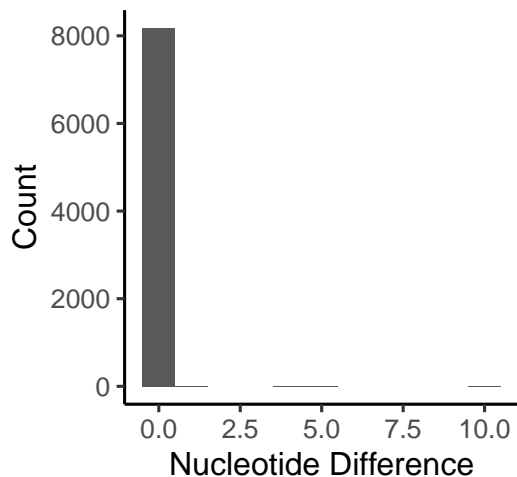
TRBV5-3*ap01

1037 sequences assigned
1027 (99%) exact matches, in which:
1027 unique CDR3
12 unique J



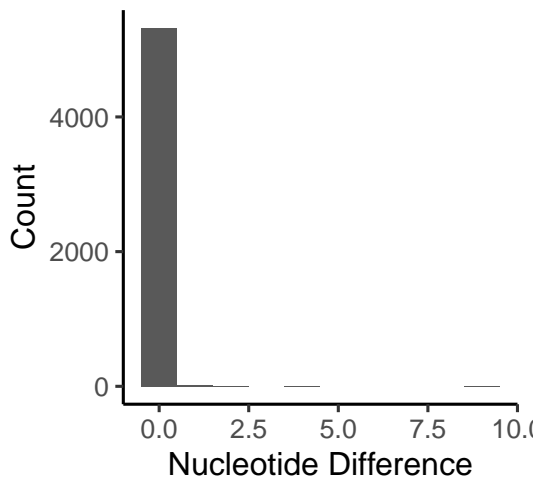
TRBV4-1*ap01

8189 sequences assigned
8177 (99.9%) exact matches, in which:
8174 unique CDR3
12 unique J



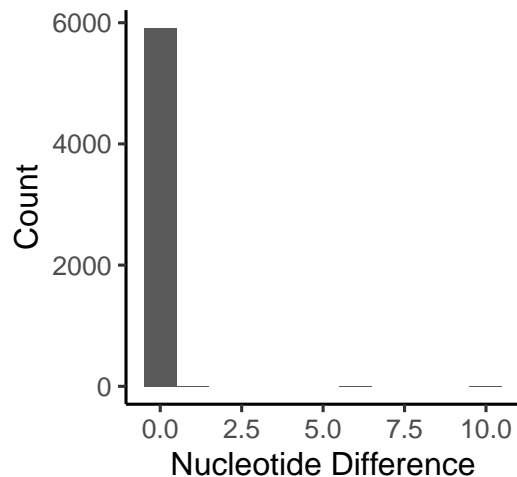
TRBV25-1*ap01

5343 sequences assigned
5320 (99.6%) exact matches, in which:
5309 unique CDR3
13 unique J



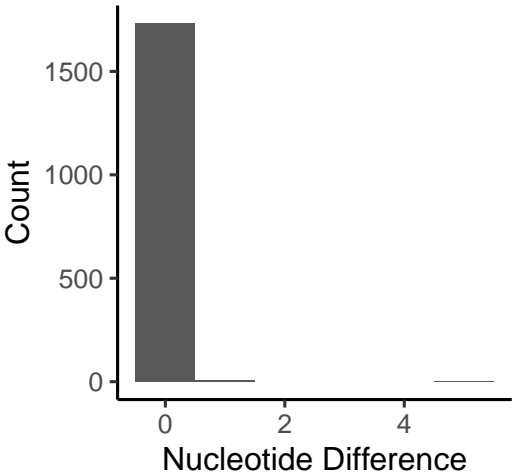
TRBV5-4*ap01

5924 sequences assigned
5912 (99.8%) exact matches, in which:
5911 unique CDR3
13 unique J



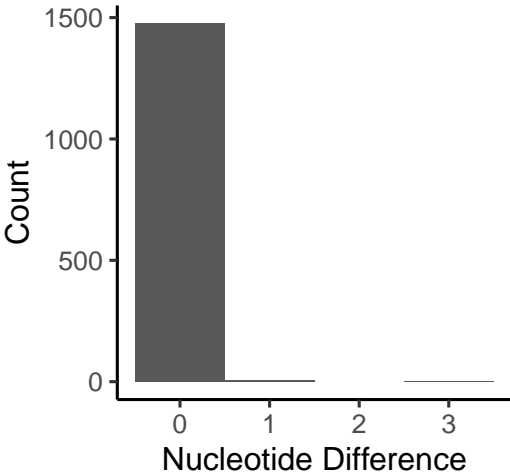
TRBV5-5*ap01

1738 sequences assigned
1732 (99.7%) exact matches, in which:
1727 unique CDR3
12 unique J



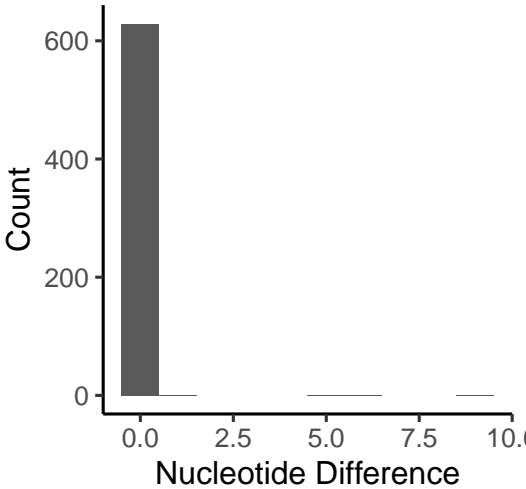
TRBV5-8*ap01

1484 sequences assigned
1476 (99.5%) exact matches, in which:
1476 unique CDR3
12 unique J



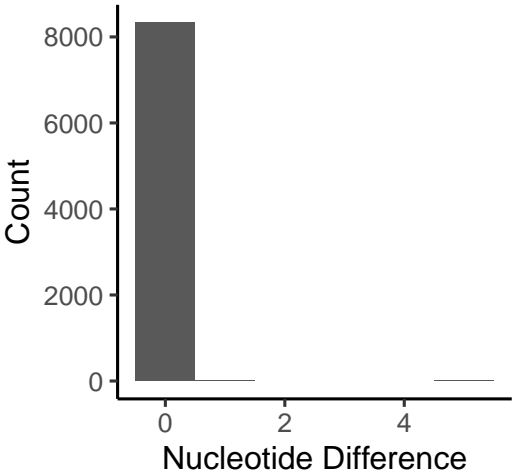
TRBV6-7*ap01

633 sequences assigned
629 (99.4%) exact matches, in which:
629 unique CDR3
12 unique J



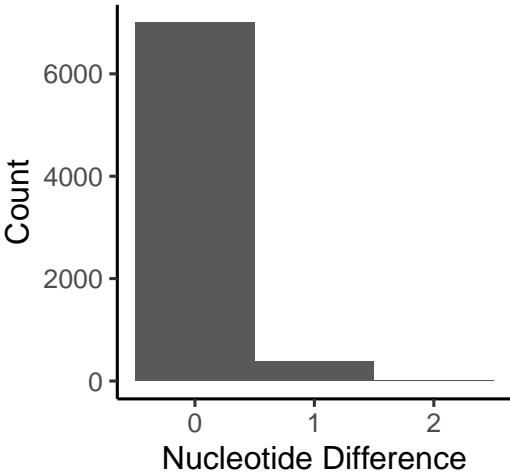
TRBV5-6*ap01

8353 sequences assigned
8330 (99.7%) exact matches, in which:
8321 unique CDR3
13 unique J



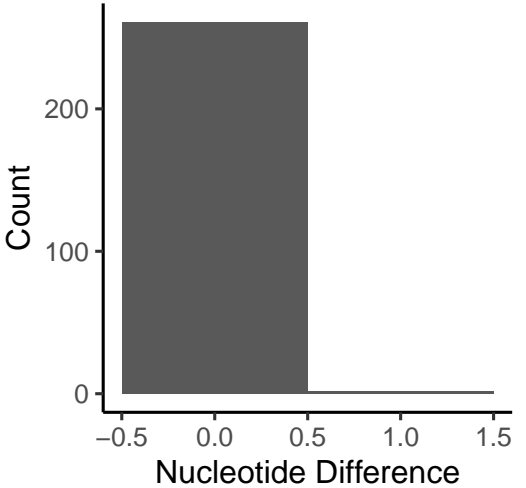
TRBV6-1*ap01

7385 sequences assigned
6998 (94.8%) exact matches, in which:
6991 unique CDR3
12 unique J



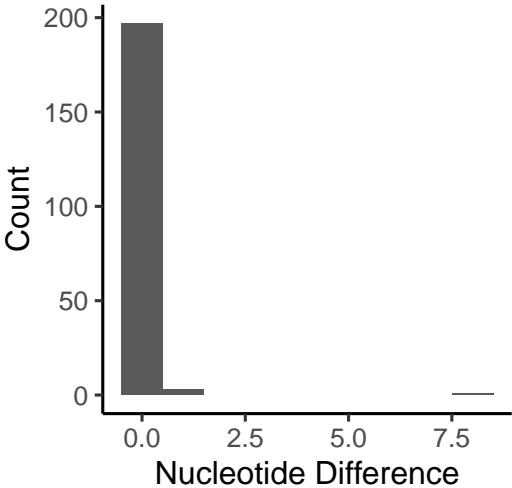
TRBV6-8*ap01

263 sequences assigned
261 (99.2%) exact matches, in which:
261 unique CDR3
12 unique J



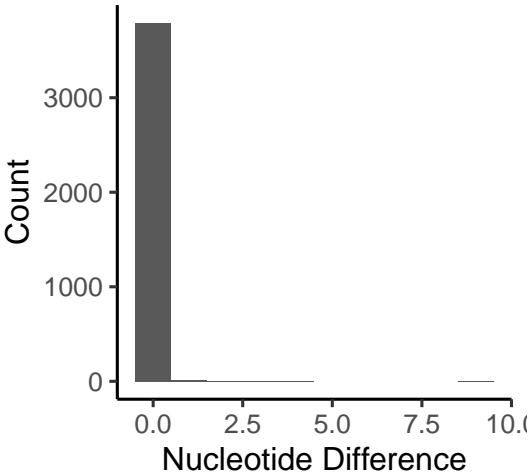
TRBV5-7*ap01

201 sequences assigned
197 (98%) exact matches, in which:
196 unique CDR3
13 unique J



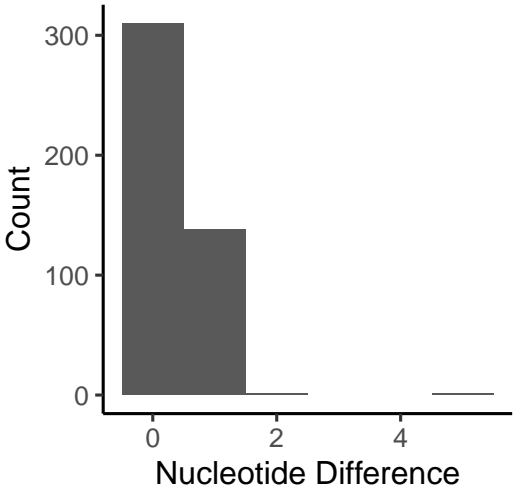
TRBV6-4*ap01

3812 sequences assigned
3790 (99.4%) exact matches, in which:
3790 unique CDR3
12 unique J



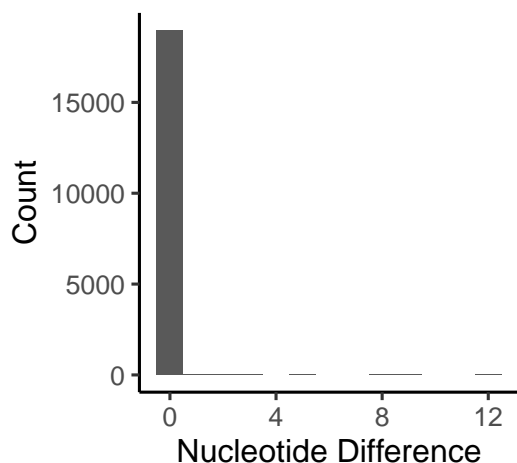
TRBV6-9*ap01

450 sequences assigned
310 (68.9%) exact matches, in which:
310 unique CDR3
12 unique J



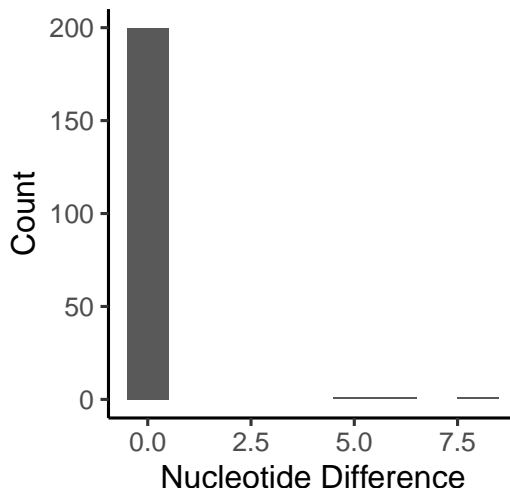
TRBV6-23*ap01

19024 sequences assigned
18976 (99.7%) exact matches, in which:
18947 unique CDR3
13 unique J



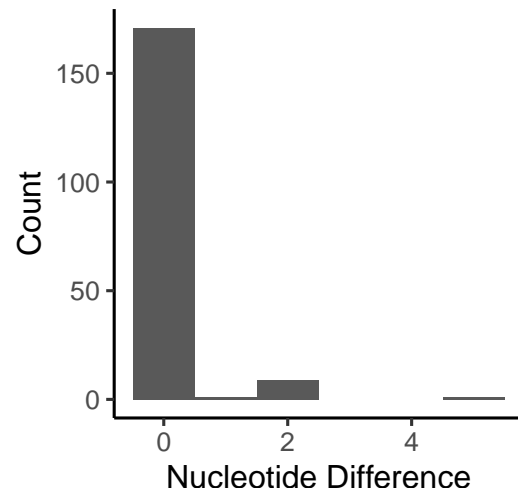
TRBV7-1*ap01_G291C_

203 sequences assigned
200 (98.5%) exact matches, in which:
200 unique CDR3
11 unique J



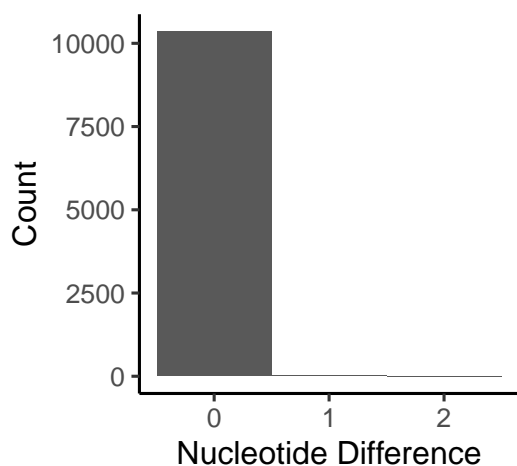
TRBV7-4*ap01

182 sequences assigned
171 (94%) exact matches, in which:
171 unique CDR3
12 unique J



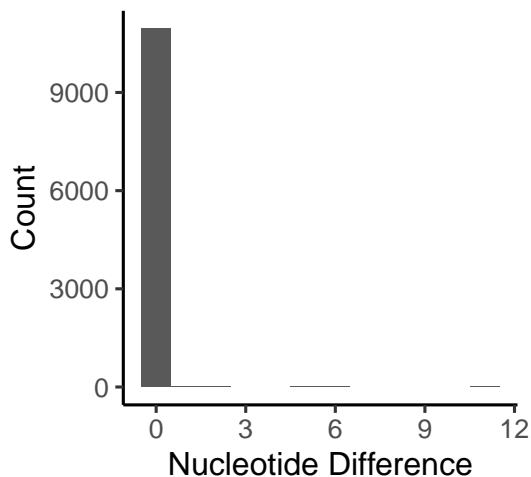
TRBV6-56*ap01

10378 sequences assigned
10356 (99.8%) exact matches, in which:
10349 unique CDR3
12 unique J



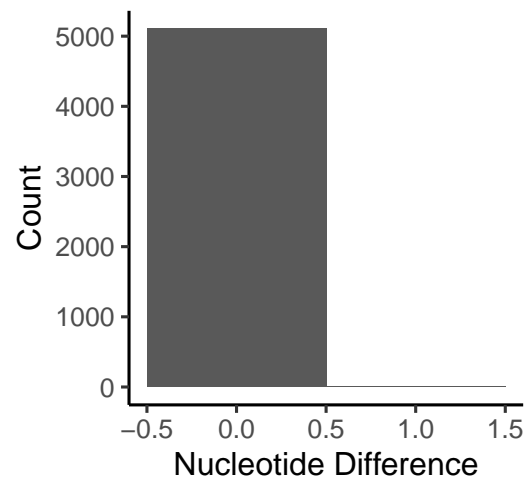
TRBV7-2*ap01

10970 sequences assigned
10948 (99.8%) exact matches, in which:
10946 unique CDR3
12 unique J



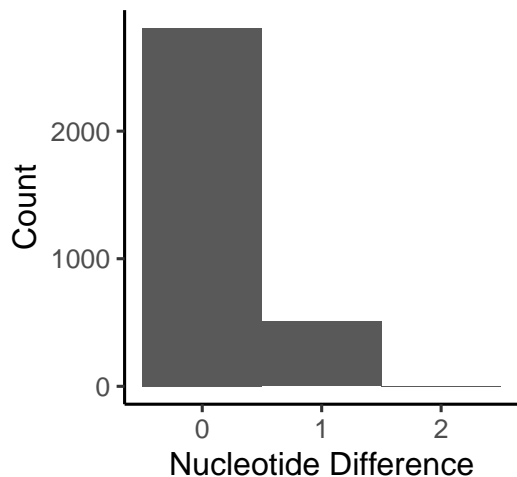
TRBV7-6*ap01

5114 sequences assigned
5106 (99.8%) exact matches, in which:
5105 unique CDR3
12 unique J



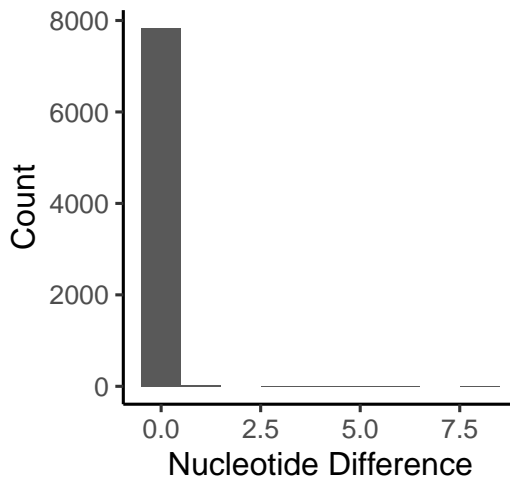
TRBV6-56*ap02

3317 sequences assigned
2808 (84.7%) exact matches, in which:
2806 unique CDR3
12 unique J



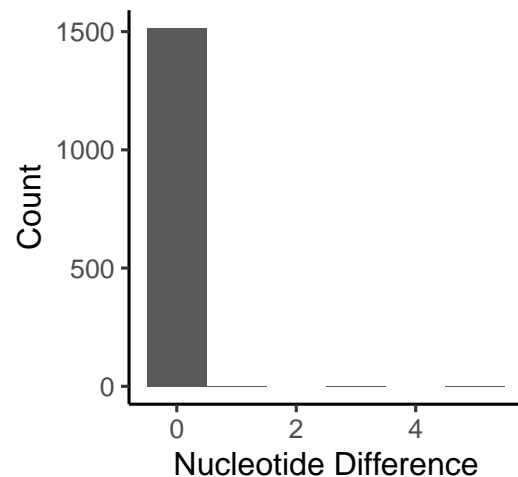
TRBV7-3*ap01

7863 sequences assigned
7835 (99.6%) exact matches, in which:
7830 unique CDR3
12 unique J



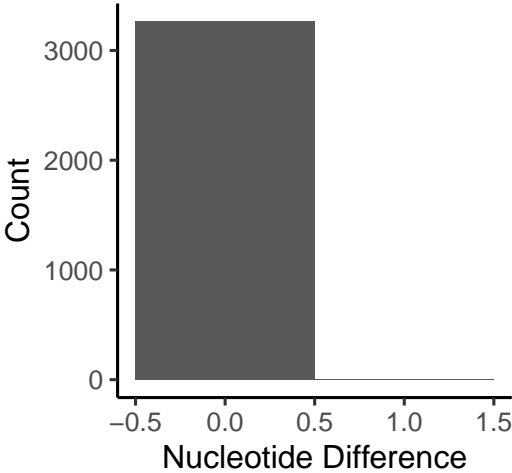
TRBV7-7*ap01

1519 sequences assigned
1515 (99.7%) exact matches, in which:
1515 unique CDR3
12 unique J



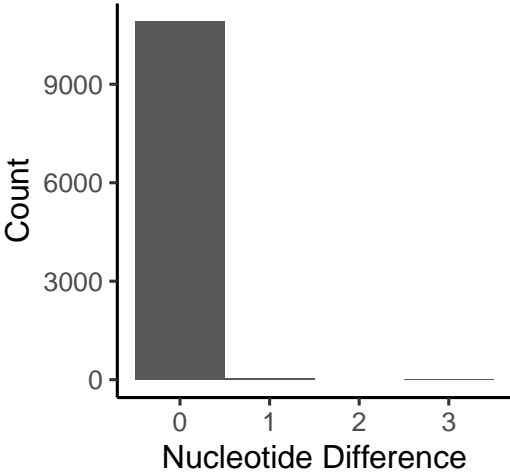
TRBV7-8*ap01

3269 sequences assigned
3265 (99.9%) exact matches, in which:
3265 unique CDR3
13 unique J



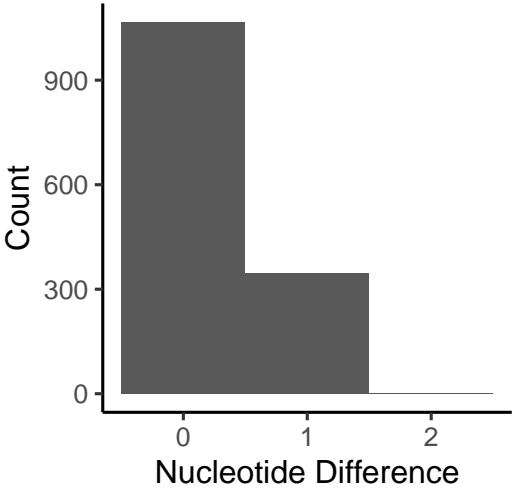
TRBV29-1*ap01

10962 sequences assigned
10914 (99.6%) exact matches, in which:
10888 unique CDR3
13 unique J



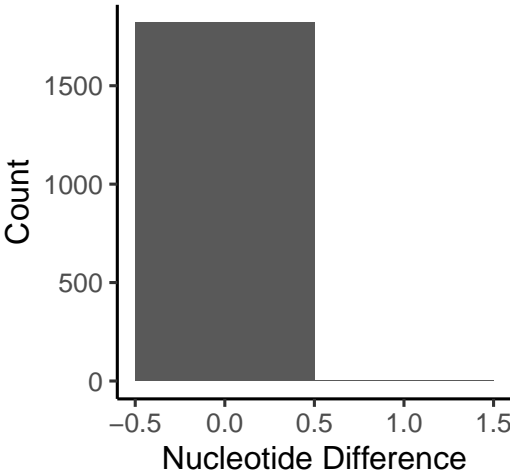
TRBV7-8*ap03

1413 sequences assigned
1067 (75.5%) exact matches, in which:
1067 unique CDR3
12 unique J



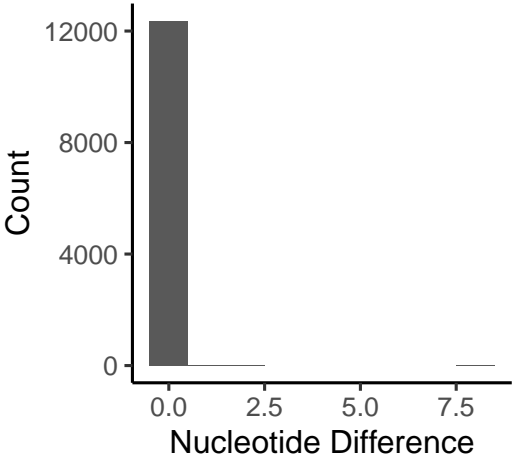
TRBV29-1*ap02

1825 sequences assigned
1820 (99.7%) exact matches, in which:
1813 unique CDR3
12 unique J



TRBV7-9*ap01

12397 sequences assigned
12368 (99.8%) exact matches, in which:
12367 unique CDR3
12 unique J



TRBV7-1*ap01_G291C_T296C_C314T

