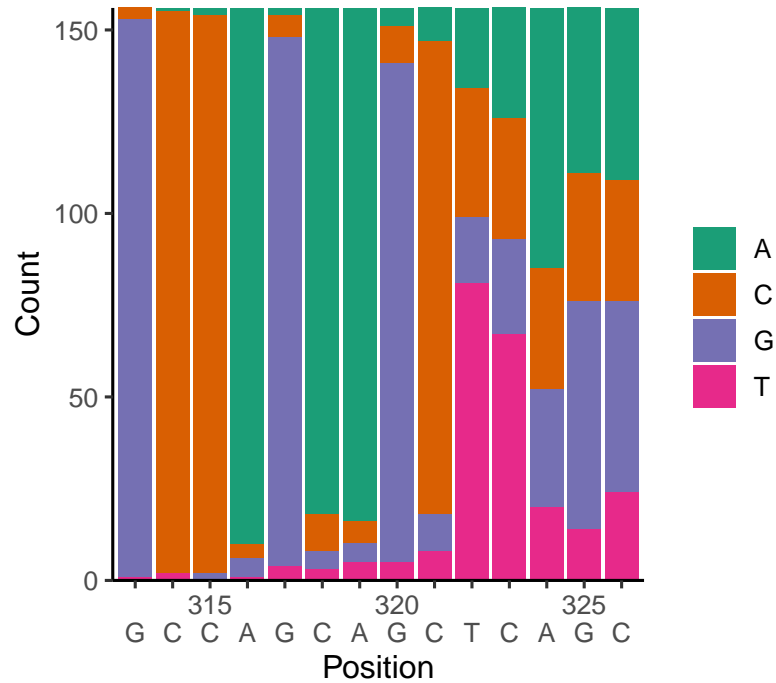
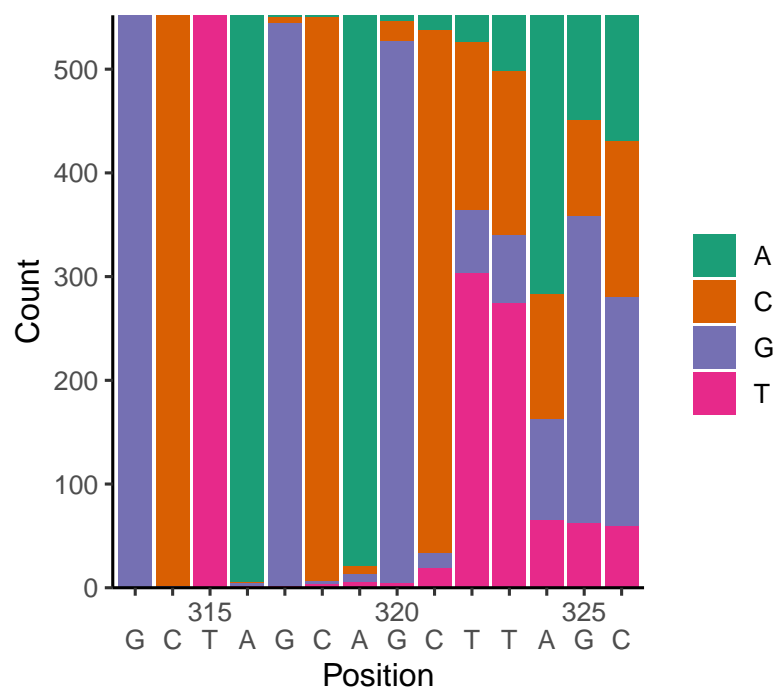


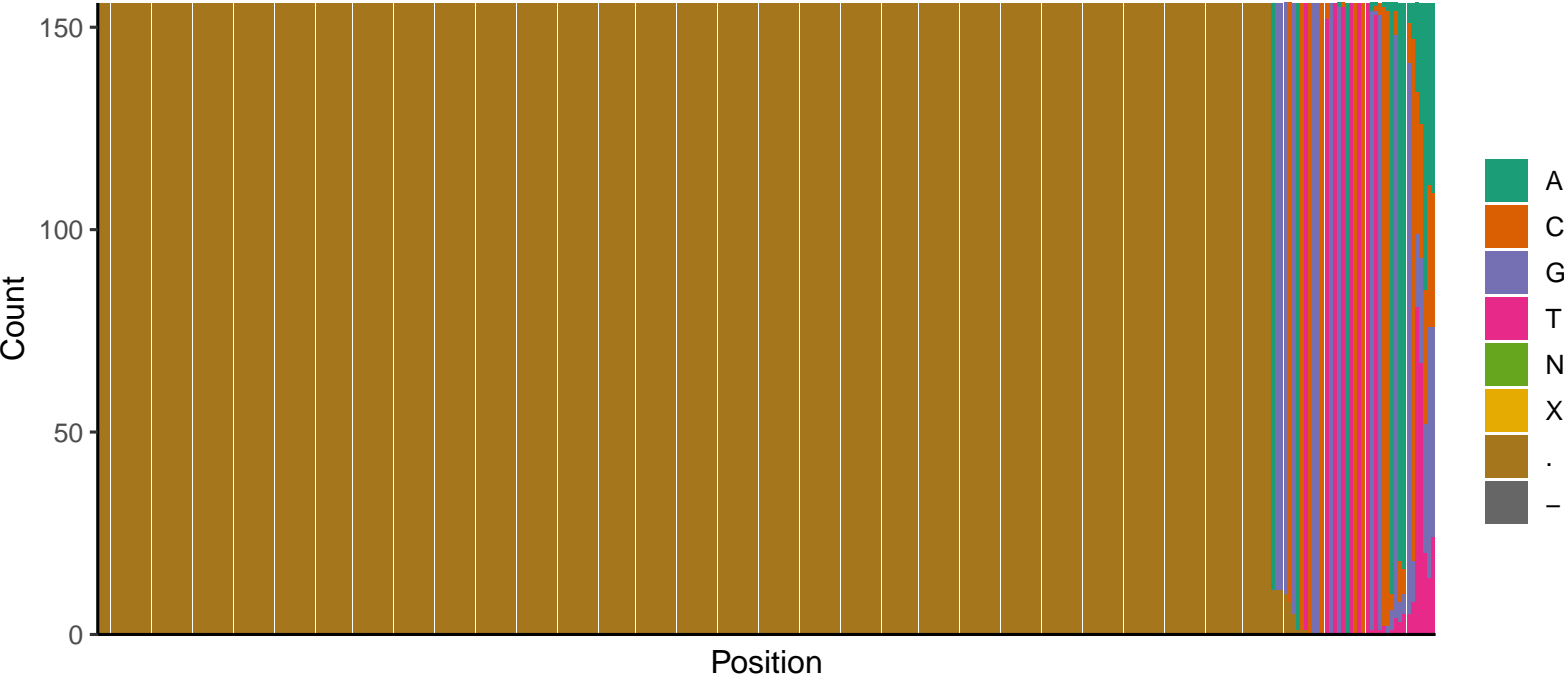
Gene TRBV7-1*ap01_G291C_T296C



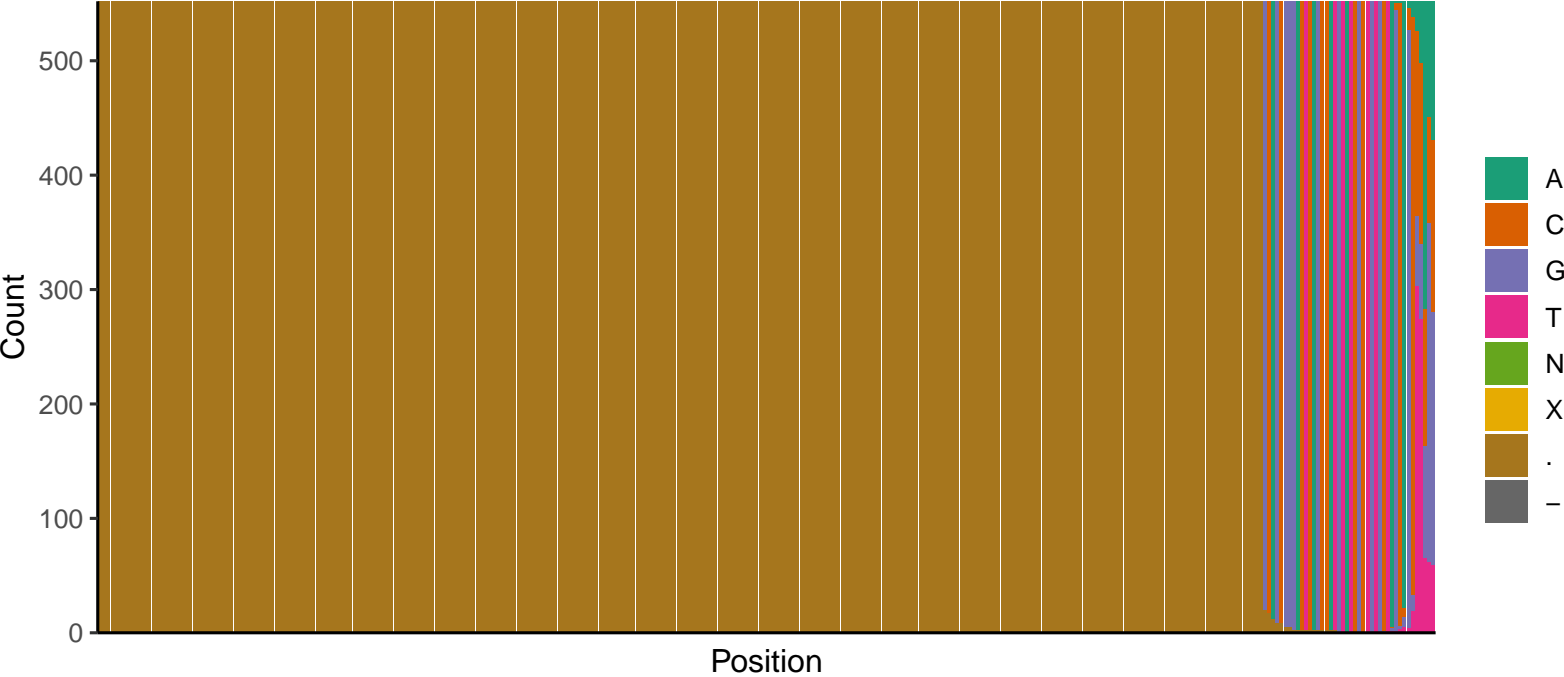
Gene TRBV7-7*ap01_C315T



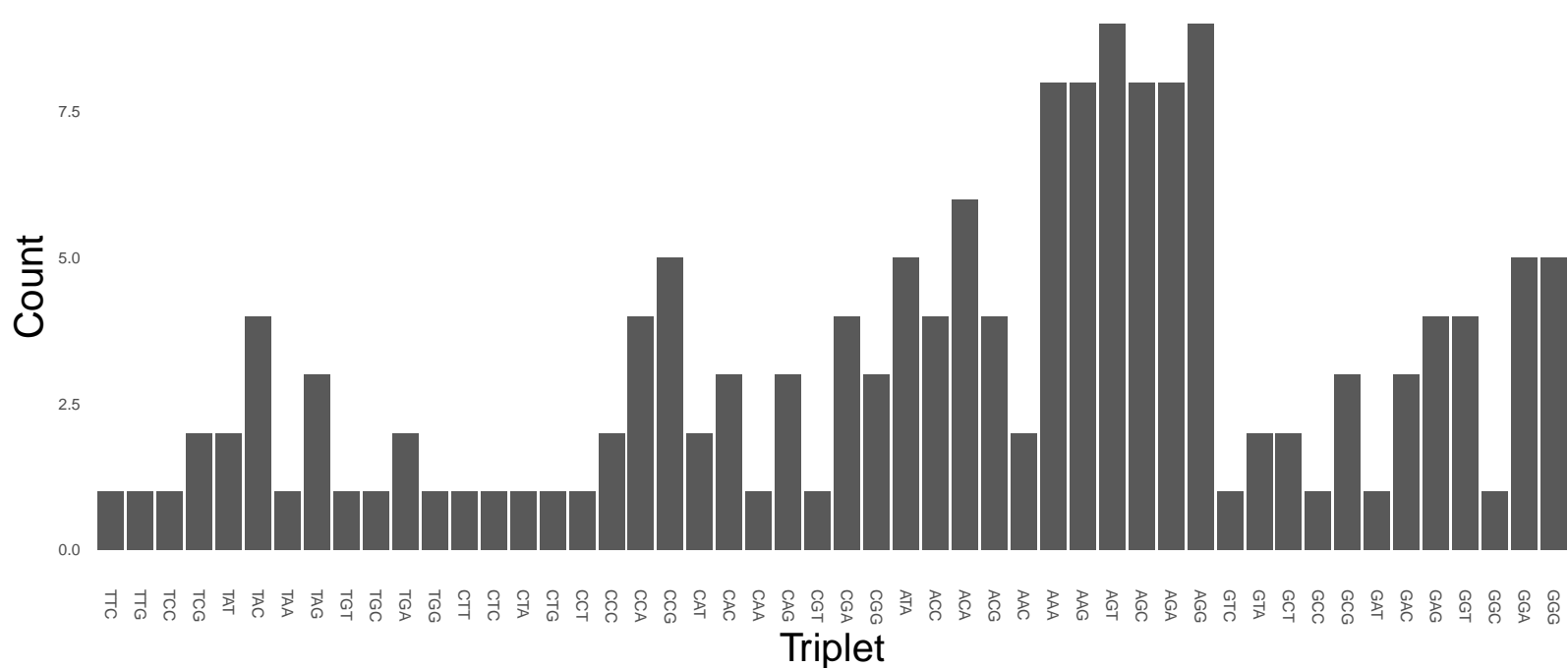
Gene TRBV7-1*ap01_G291C_T296C



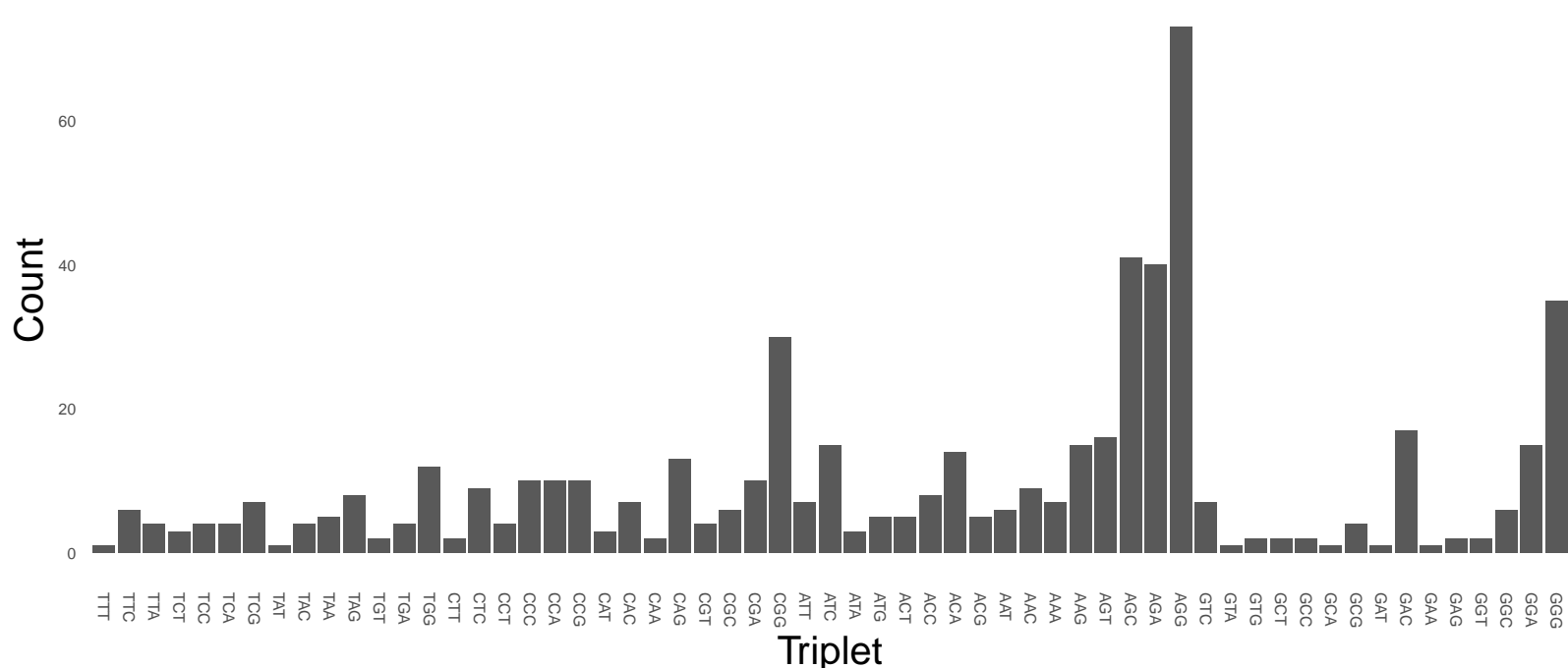
Gene TRBV7-7*ap01_C315T



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

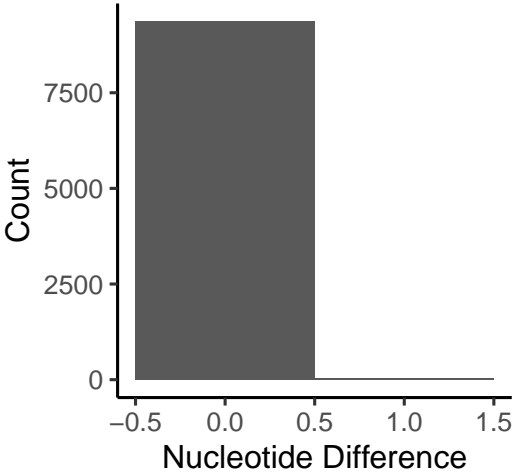


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



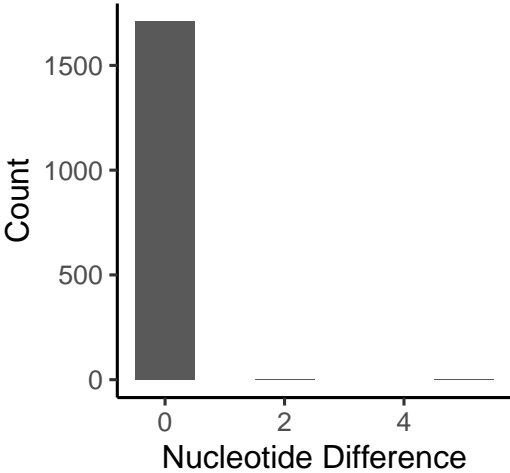
TRBV20-1*ap01

9400 sequences assigned
9365 (99.6%) exact matches, in which:
9349 unique CDR3
13 unique J



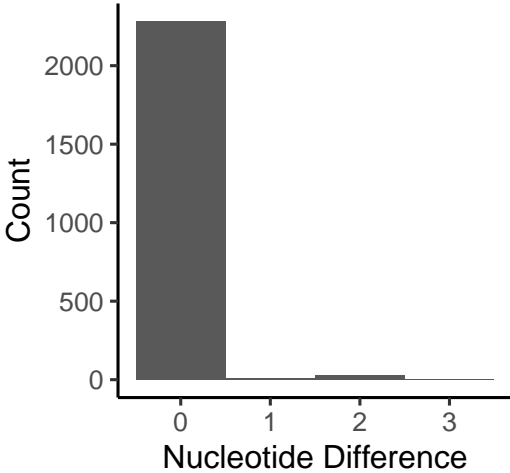
TRBV10-2*ap01

1713 sequences assigned
1710 (99.8%) exact matches, in which:
1707 unique CDR3
13 unique J



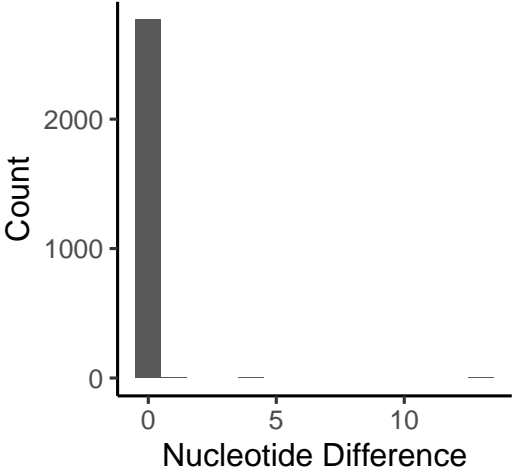
TRBV13*ap01

2320 sequences assigned
2282 (98.4%) exact matches, in which:
2272 unique CDR3
13 unique J



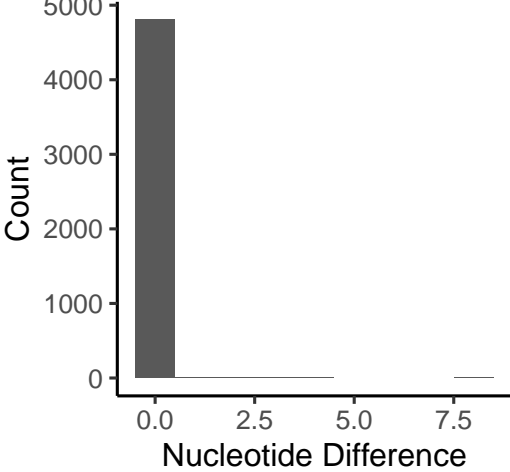
TRBV10-1*ap01

2773 sequences assigned
2768 (99.8%) exact matches, in which:
2763 unique CDR3
13 unique J



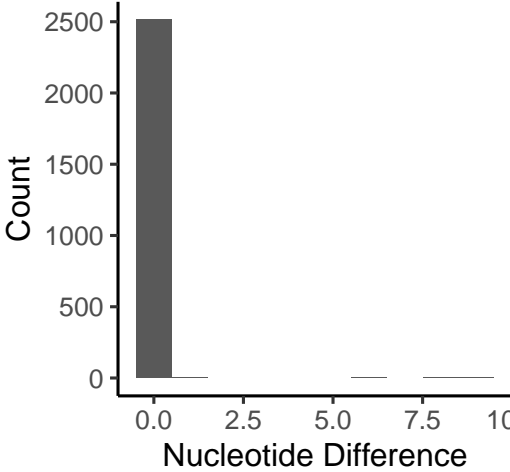
TRBV10-3*ap01

4819 sequences assigned
4805 (99.7%) exact matches, in which:
4801 unique CDR3
13 unique J



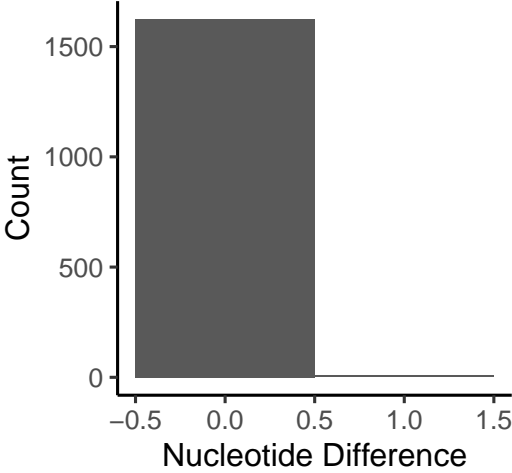
TRBV14*ap01

2519 sequences assigned
2514 (99.8%) exact matches, in which:
2514 unique CDR3
13 unique J



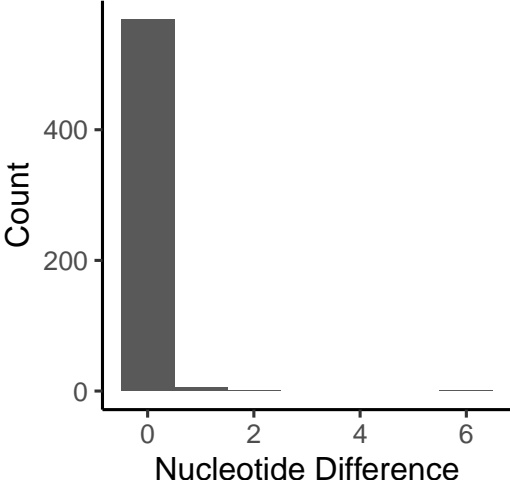
TRBV20-1*ap02

1633 sequences assigned
1625 (99.5%) exact matches, in which:
1623 unique CDR3
13 unique J



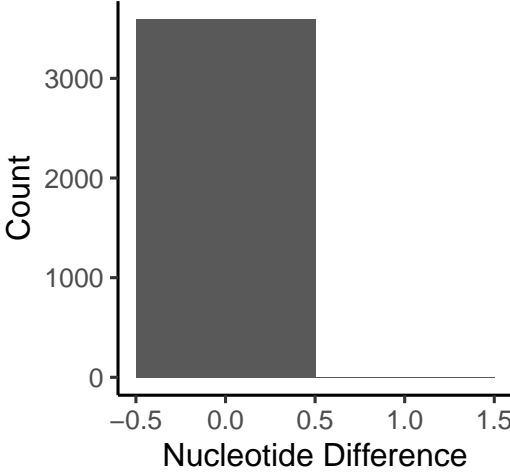
TRBV1*ap01

576 sequences assigned
569 (98.8%) exact matches, in which:
568 unique CDR3
13 unique J



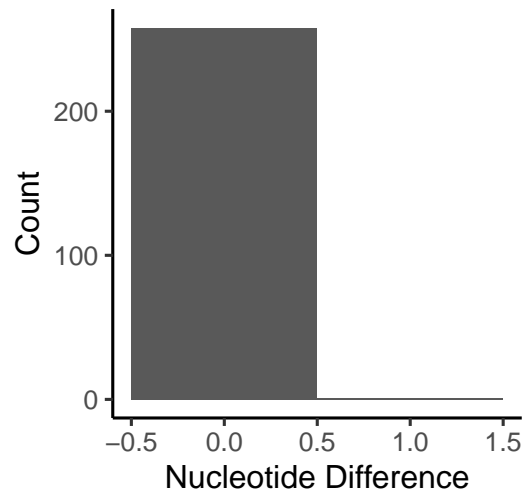
TRBV15*ap02

3601 sequences assigned
3595 (99.8%) exact matches, in which:
3576 unique CDR3
13 unique J



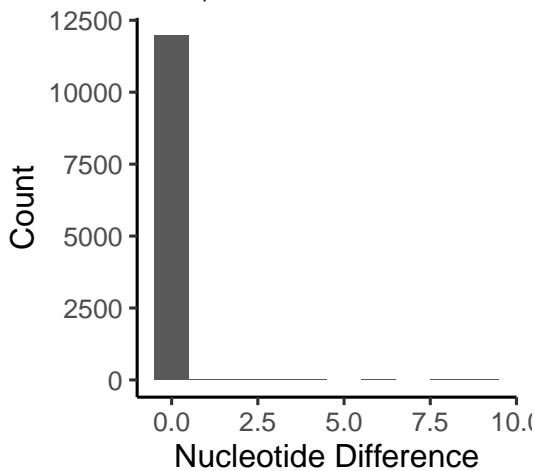
TRBV16*ap01

259 sequences assigned
258 (99.6%) exact matches, in which:
258 unique CDR3
13 unique J



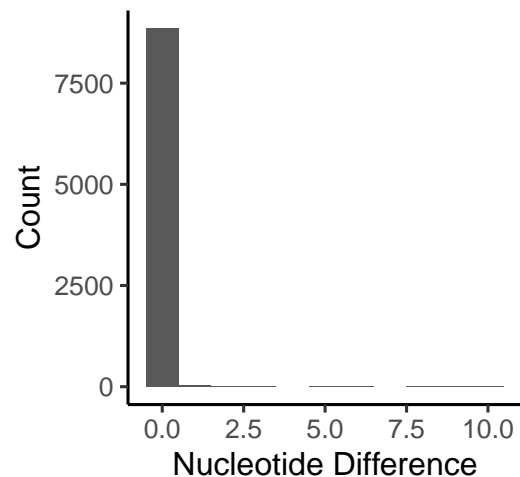
TRBV19*ap01

12024 sequences assigned
11983 (99.7%) exact matches, in which:
11979 unique CDR3
13 unique J



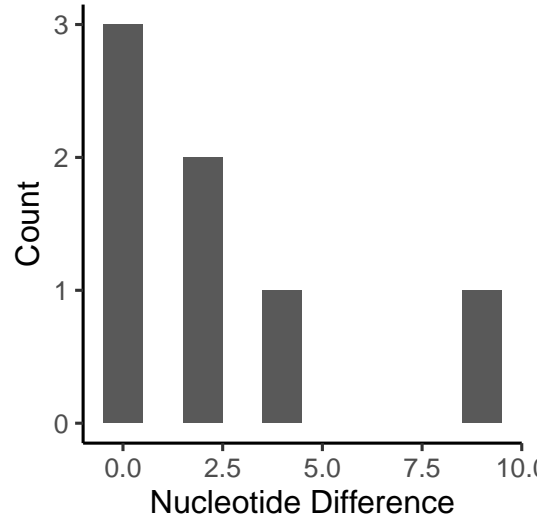
TRBV27*ap01

8898 sequences assigned
8853 (99.5%) exact matches, in which:
8839 unique CDR3
13 unique J



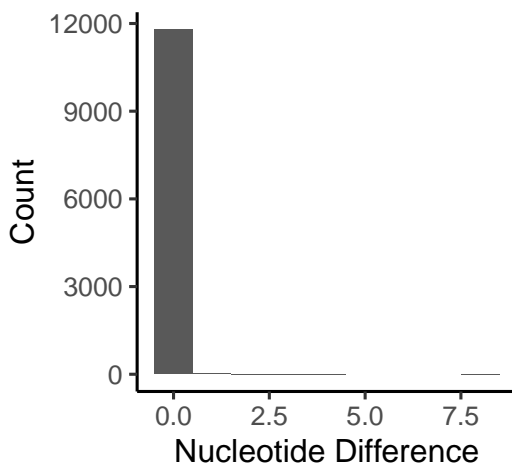
TRBV17*ap01

7 sequences assigned
3 (42.9%) exact matches, in which:
3 unique CDR3
2 unique J



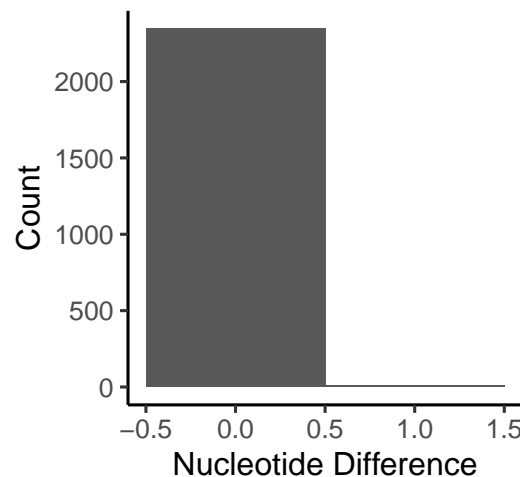
TRBV2*ap01

11836 sequences assigned
11796 (99.7%) exact matches, in which:
11772 unique CDR3
13 unique J



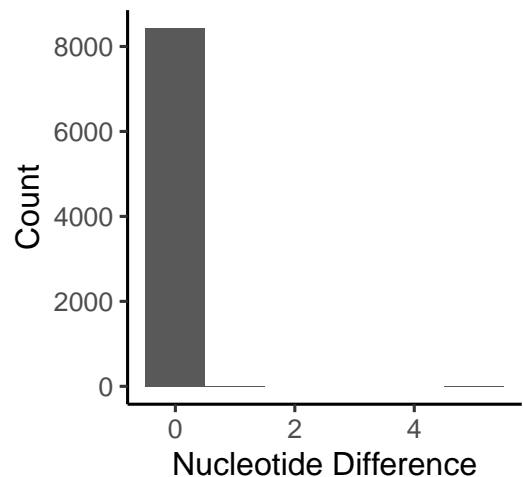
TRBV28*ap01

2353 sequences assigned
2346 (99.7%) exact matches, in which:
2345 unique CDR3
13 unique J



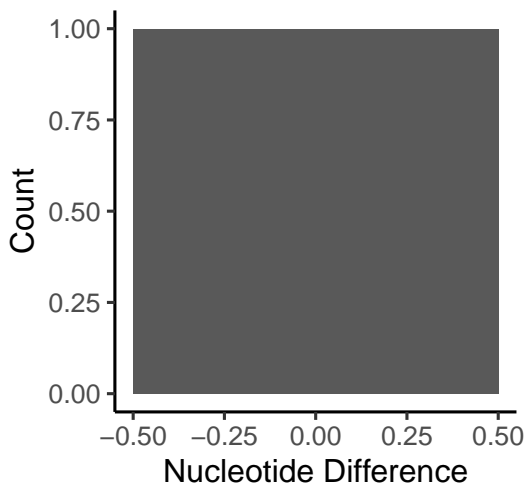
TRBV18*ap01

8441 sequences assigned
8434 (99.9%) exact matches, in which:
8429 unique CDR3
13 unique J



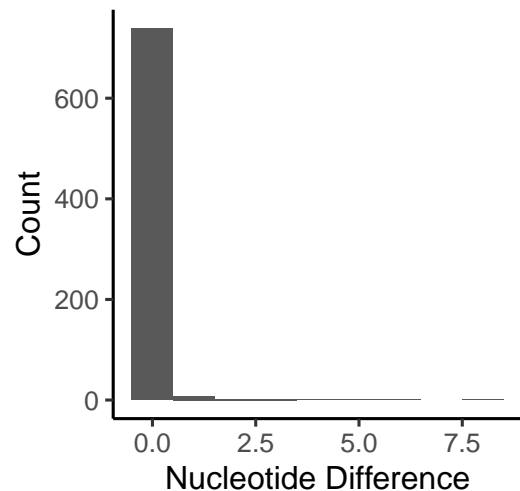
TRBV26*ap01

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



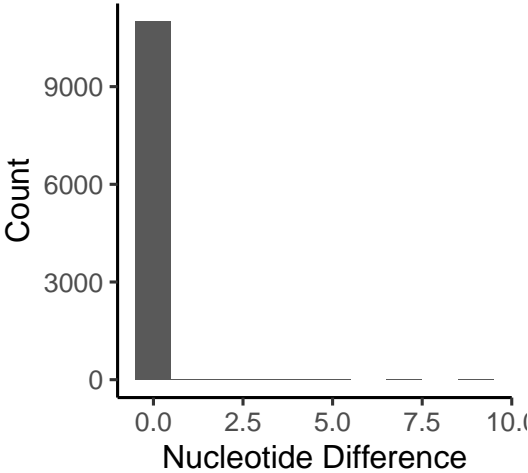
TRBV30*ap02

755 sequences assigned
739 (97.9%) exact matches, in which:
738 unique CDR3
13 unique J



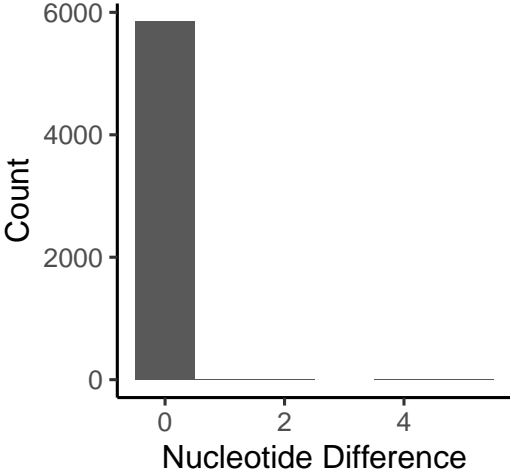
TRBV9*ap01

11035 sequences assigned
11003 (99.7%) exact matches, in which:
10982 unique CDR3
13 unique J



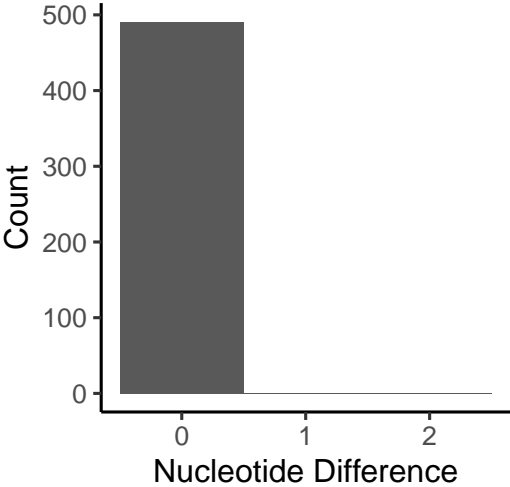
TRBV11-2*ap01

5869 sequences assigned
5852 (99.7%) exact matches, in which:
5850 unique CDR3
13 unique J



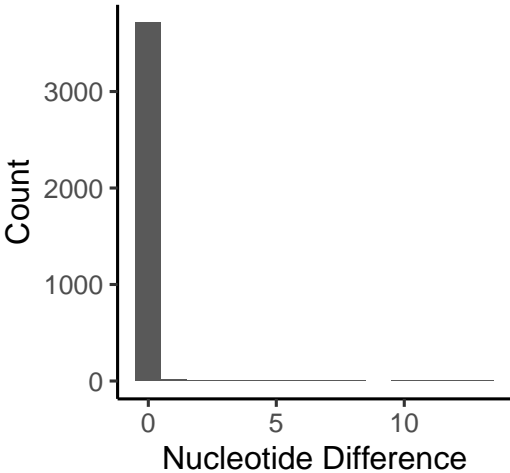
TRBV12-2*ap01

493 sequences assigned
491 (99.6%) exact matches, in which:
491 unique CDR3
13 unique J



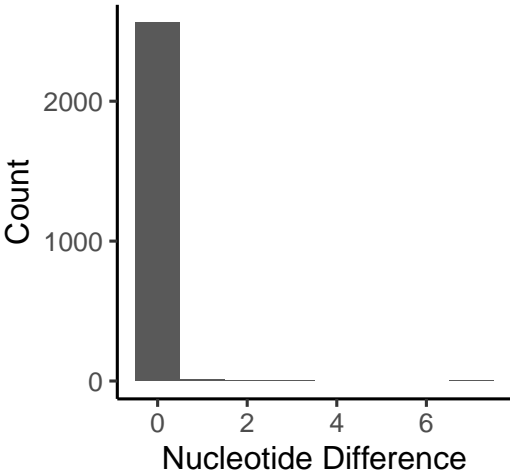
TRBV21-1*ap01

3747 sequences assigned
3713 (99.1%) exact matches, in which:
3713 unique CDR3
13 unique J



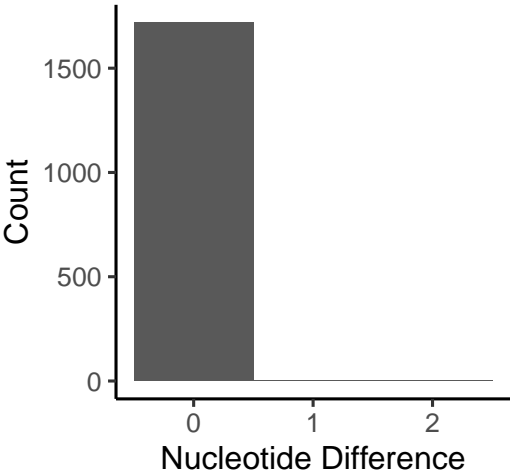
TRBV11-3*ap01

2574 sequences assigned
2561 (99.5%) exact matches, in which:
2561 unique CDR3
13 unique J



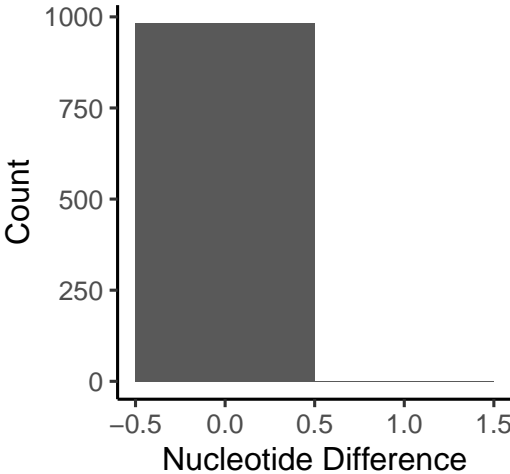
TRBV12-5*ap01

1723 sequences assigned
1718 (99.7%) exact matches, in which:
1718 unique CDR3
13 unique J



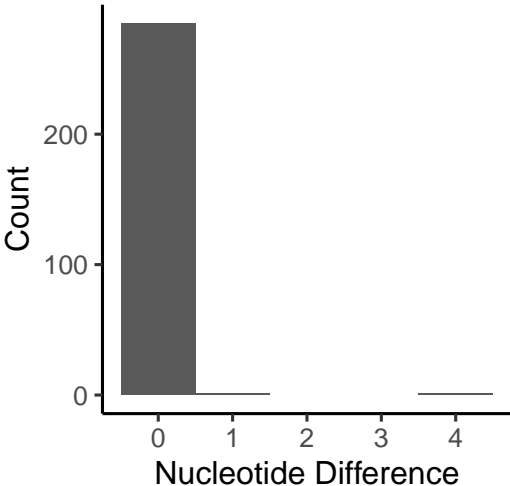
TRBV11-1*ap01

984 sequences assigned
983 (99.9%) exact matches, in which:
983 unique CDR3
13 unique J



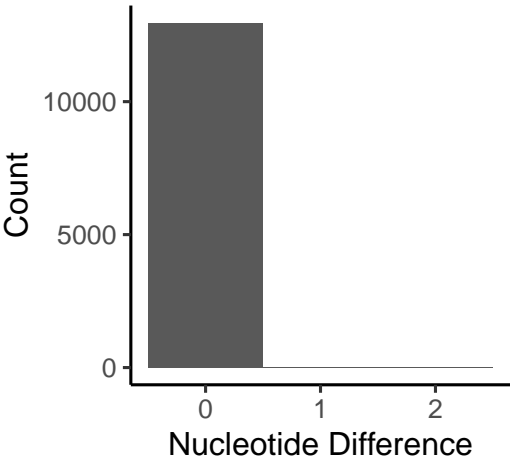
TRBV12-1*ap01

287 sequences assigned
285 (99.3%) exact matches, in which:
284 unique CDR3
13 unique J



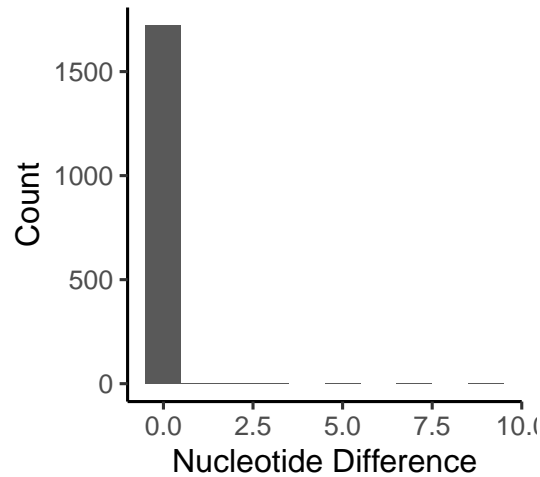
TRBV12-34*ap01

13000 sequences assigned
12966 (99.7%) exact matches, in which:
12952 unique CDR3
13 unique J



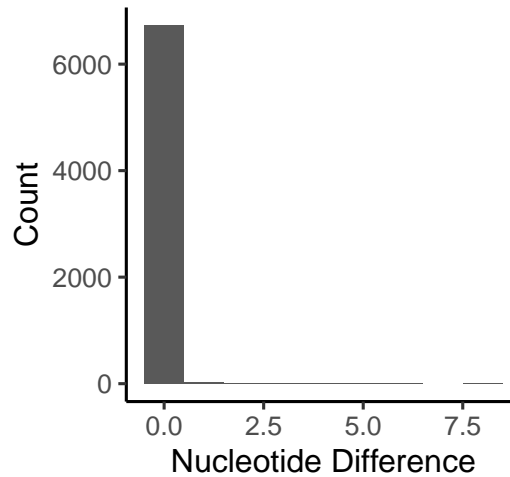
TRBV23-1*ap01

1735 sequences assigned
1722 (99.3%) exact matches, in which:
1721 unique CDR3
13 unique J



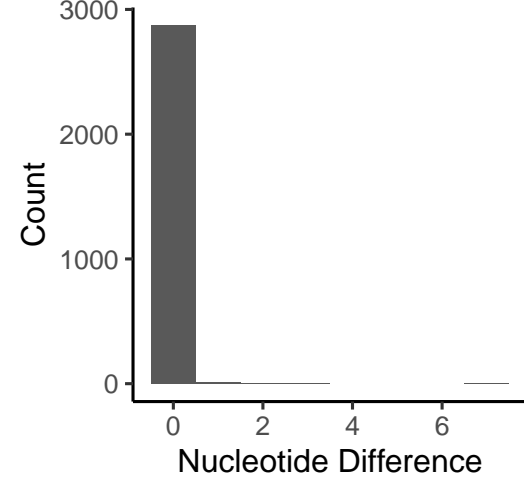
TRBV24-1*ap01

6769 sequences assigned
6727 (99.4%) exact matches, in which:
6715 unique CDR3
13 unique J



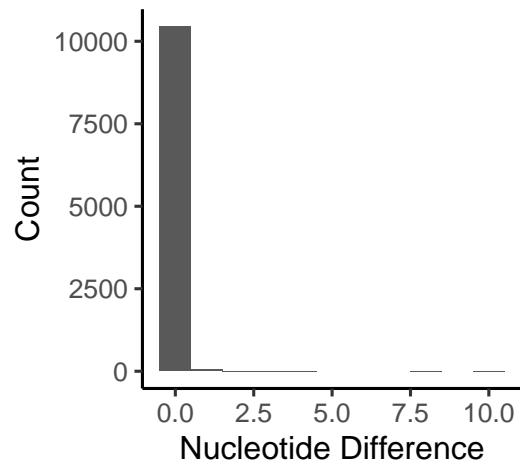
TRBV25-1*ap01

2891 sequences assigned
2872 (99.3%) exact matches, in which:
2862 unique CDR3
13 unique J



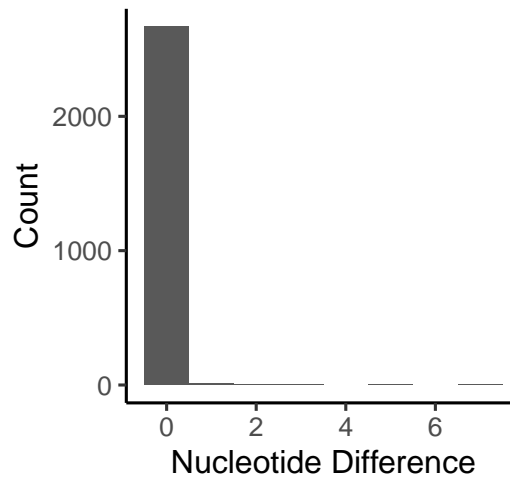
TRBV3-12*ap01

10509 sequences assigned
10449 (99.4%) exact matches, in which:
10431 unique CDR3
13 unique J



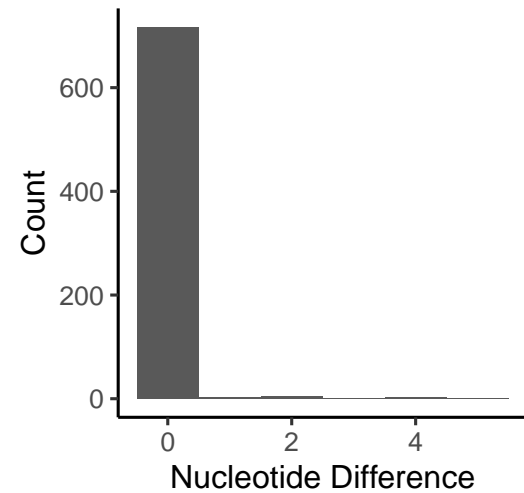
TRBV4-2*ap01

2684 sequences assigned
2667 (99.4%) exact matches, in which:
2664 unique CDR3
13 unique J



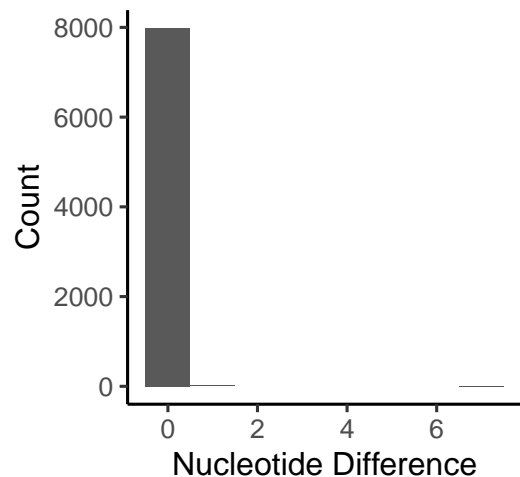
TRBV5-3*ap01

727 sequences assigned
717 (98.6%) exact matches, in which:
717 unique CDR3
13 unique J



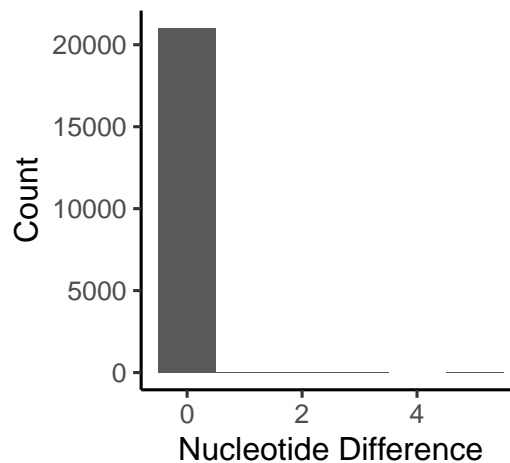
TRBV4-1*ap01

8006 sequences assigned
7985 (99.7%) exact matches, in which:
7968 unique CDR3
13 unique J



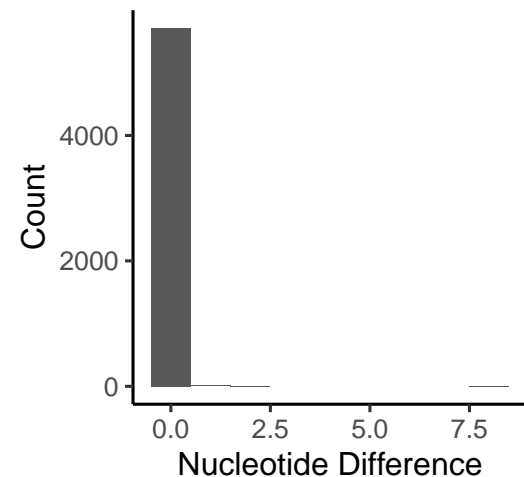
TRBV5-1*ap01

21097 sequences assigned
21034 (99.7%) exact matches, in which:
20938 unique CDR3
13 unique J



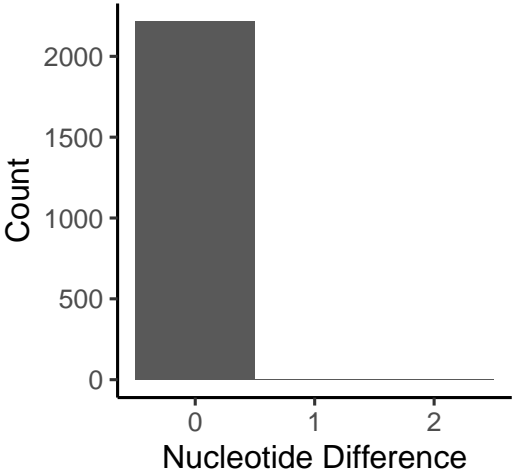
TRBV5-4*ap01

5729 sequences assigned
5713 (99.7%) exact matches, in which:
5708 unique CDR3
13 unique J



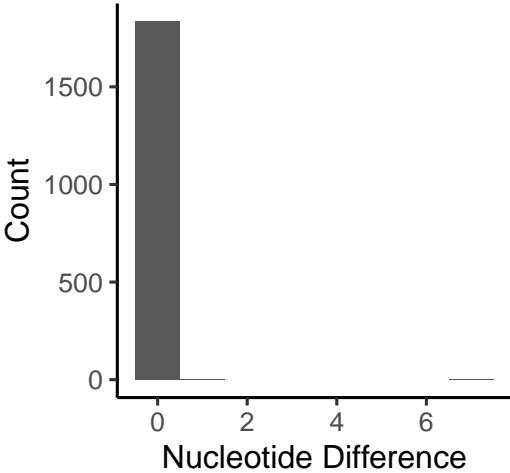
TRBV5-5*ap01

2223 sequences assigned
2216 (99.7%) exact matches, in which:
2215 unique CDR3
13 unique J



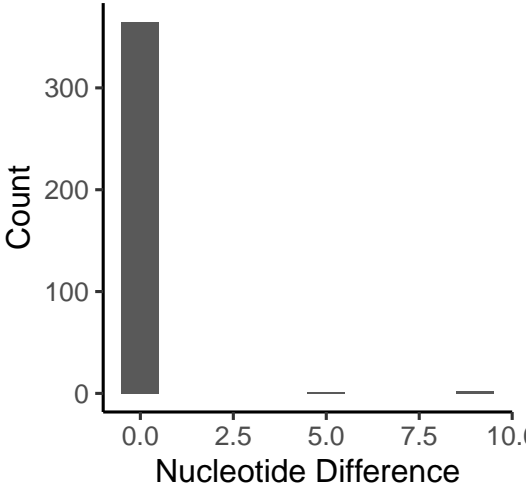
TRBV5-8*ap01

1839 sequences assigned
1835 (99.8%) exact matches, in which:
1835 unique CDR3
13 unique J



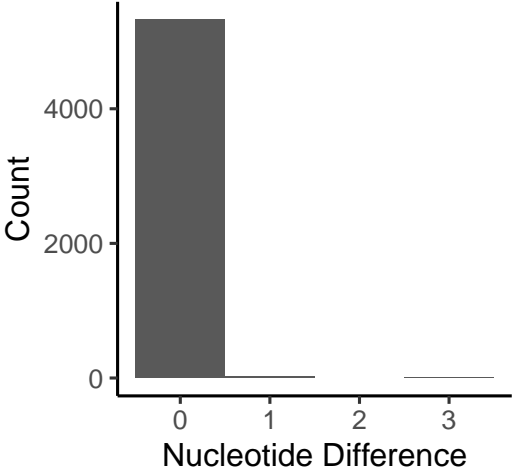
TRBV6-7*ap01

368 sequences assigned
365 (99.2%) exact matches, in which:
364 unique CDR3
13 unique J



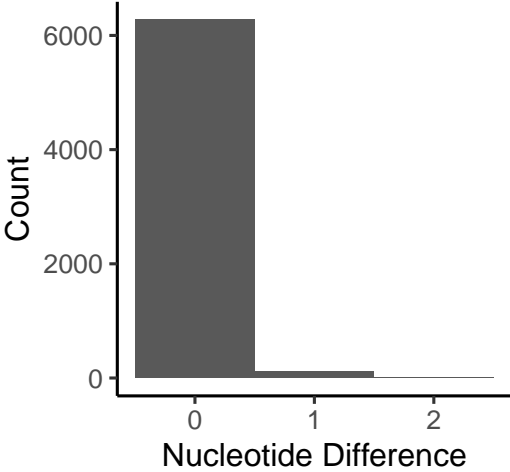
TRBV5-6*ap01

5353 sequences assigned
5323 (99.4%) exact matches, in which:
5292 unique CDR3
13 unique J



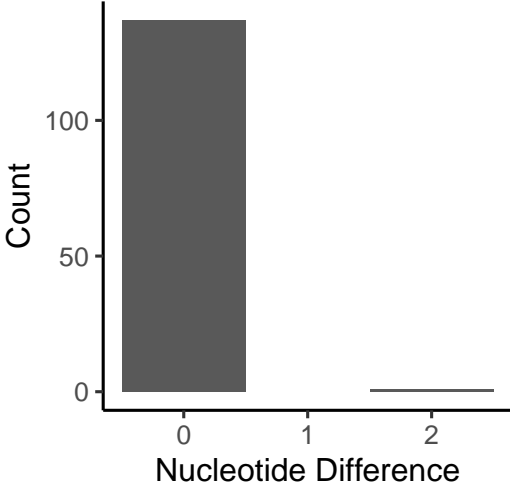
TRBV6-1*ap01

6399 sequences assigned
6275 (98.1%) exact matches, in which:
6262 unique CDR3
13 unique J



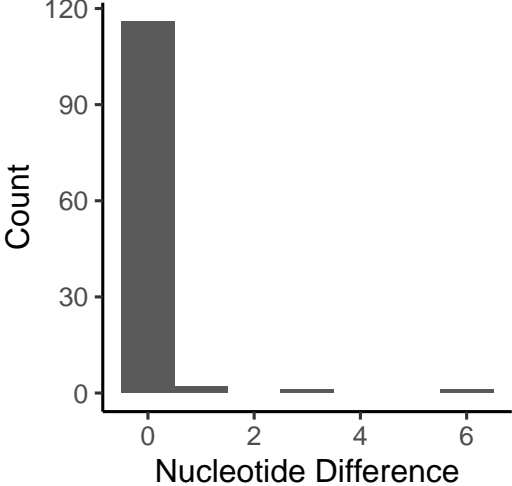
TRBV6-8*ap01

138 sequences assigned
137 (99.3%) exact matches, in which:
137 unique CDR3
13 unique J



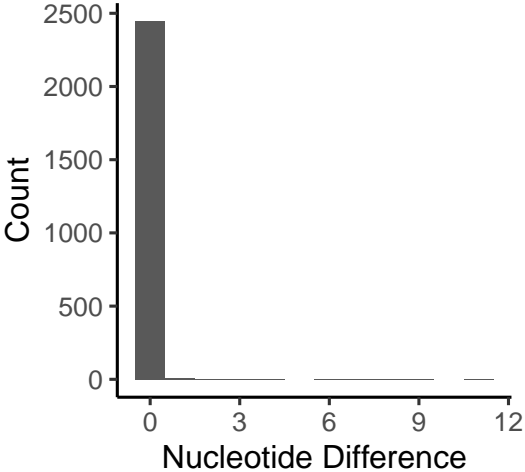
TRBV5-7*ap01

120 sequences assigned
116 (96.7%) exact matches, in which:
116 unique CDR3
12 unique J



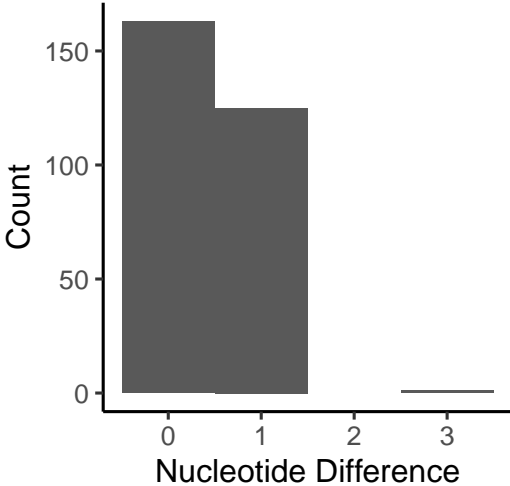
TRBV6-4*ap01

2470 sequences assigned
2447 (99.1%) exact matches, in which:
2444 unique CDR3
13 unique J



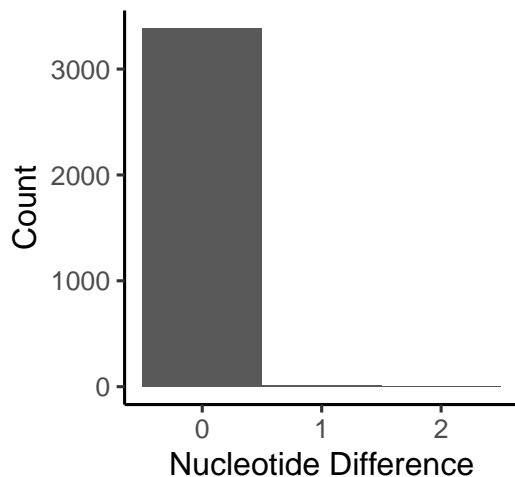
TRBV6-9*ap01

289 sequences assigned
163 (56.4%) exact matches, in which:
163 unique CDR3
13 unique J



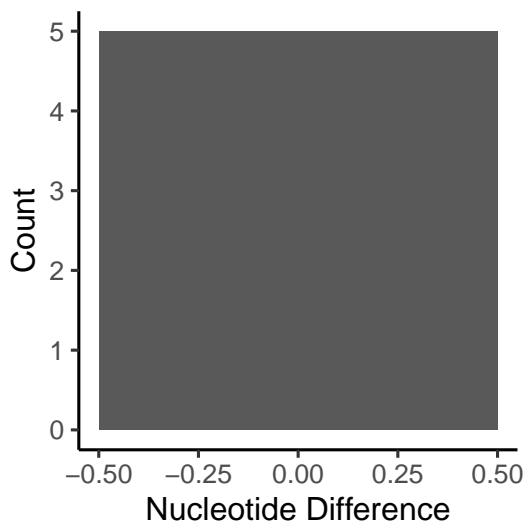
TRBV6-23*ap01

3398 sequences assigned
3384 (99.6%) exact matches, in which:
3377 unique CDR3
13 unique J



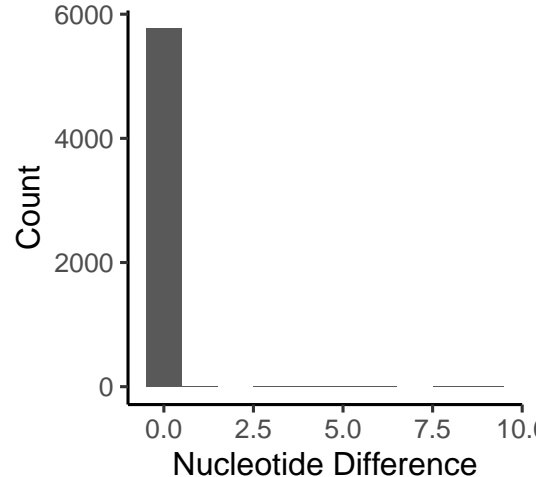
TRBV7-1*ap01

5 sequences assigned
5 (100%) exact matches, in which:
5 unique CDR3
3 unique J



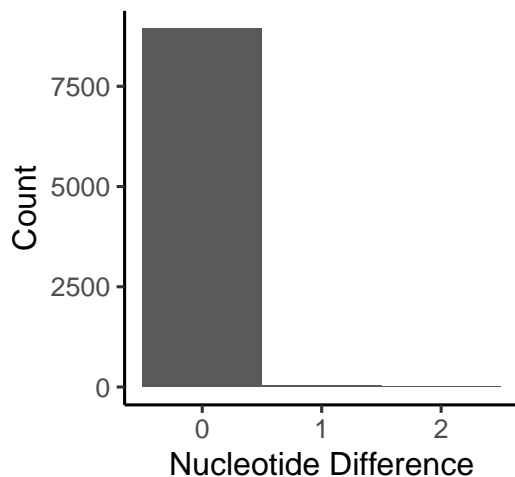
TRBV7-3*ap01

5792 sequences assigned
5771 (99.6%) exact matches, in which:
5761 unique CDR3
13 unique J



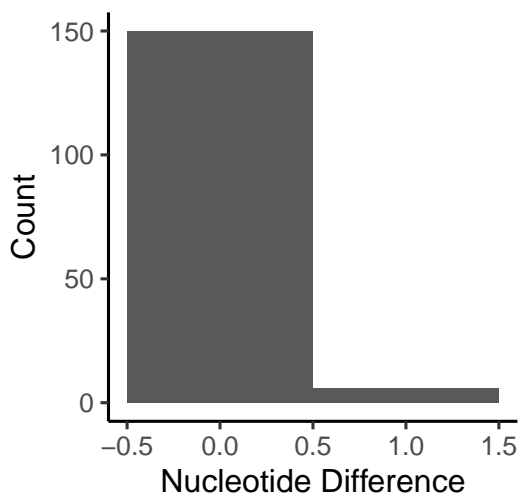
TRBV6-56*ap01

8962 sequences assigned
8936 (99.7%) exact matches, in which:
8916 unique CDR3
13 unique J



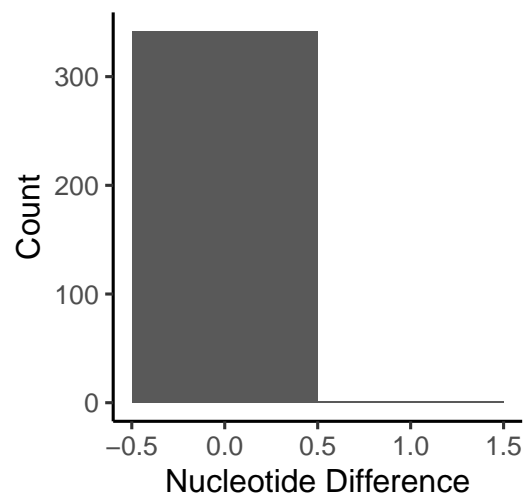
TRBV7-1*ap01_G291C_

156 sequences assigned
150 (96.2%) exact matches, in which:
150 unique CDR3
13 unique J



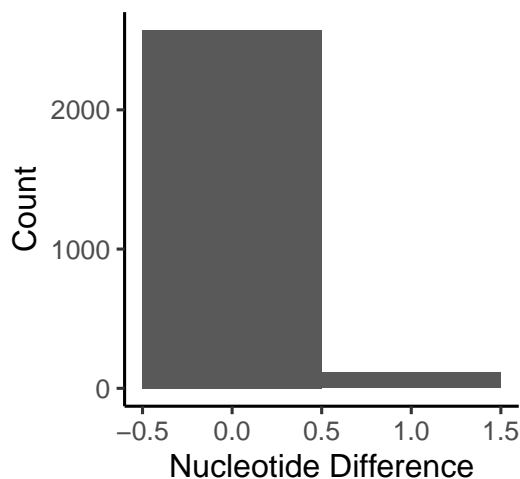
TRBV7-4*ap01

343 sequences assigned
342 (99.7%) exact matches, in which:
342 unique CDR3
13 unique J



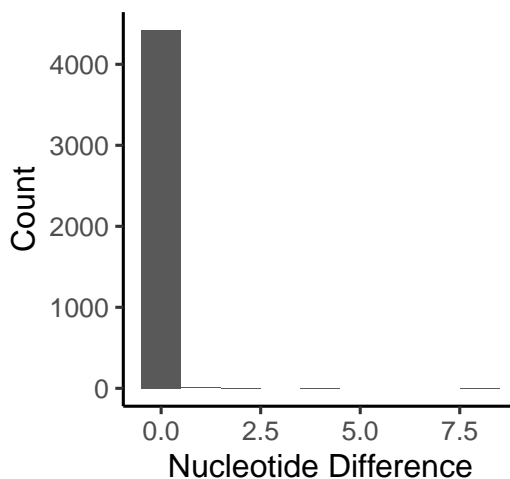
TRBV6-56*ap02

2688 sequences assigned
2573 (95.7%) exact matches, in which:
2569 unique CDR3
13 unique J



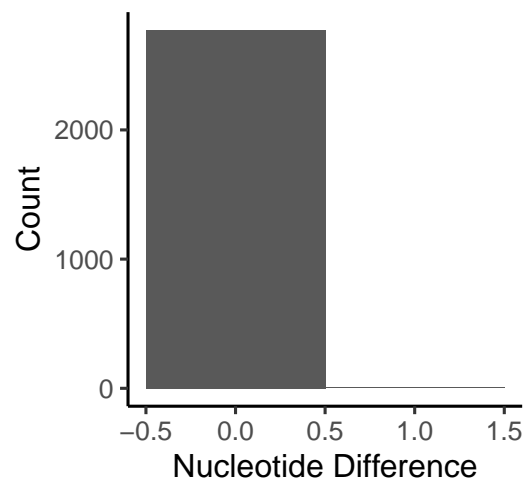
TRBV7-2*ap01

4436 sequences assigned
4423 (99.7%) exact matches, in which:
4420 unique CDR3
13 unique J



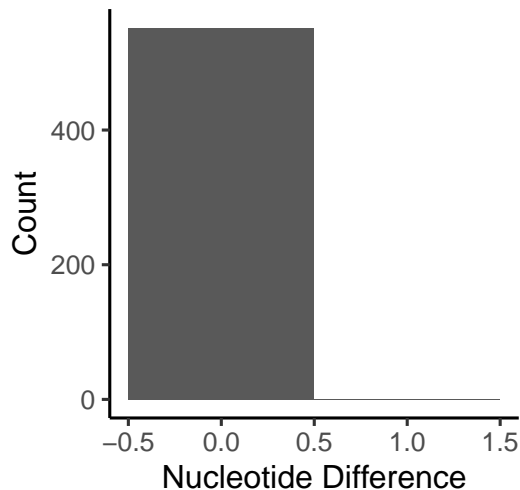
TRBV7-6*ap01

2780 sequences assigned
2773 (99.7%) exact matches, in which:
2770 unique CDR3
13 unique J



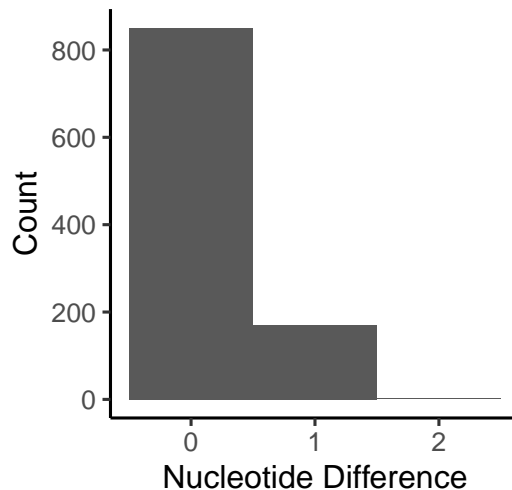
TRBV7-7*ap01

553 sequences assigned
552 (99.8%) exact matches, in which:
552 unique CDR3
13 unique J



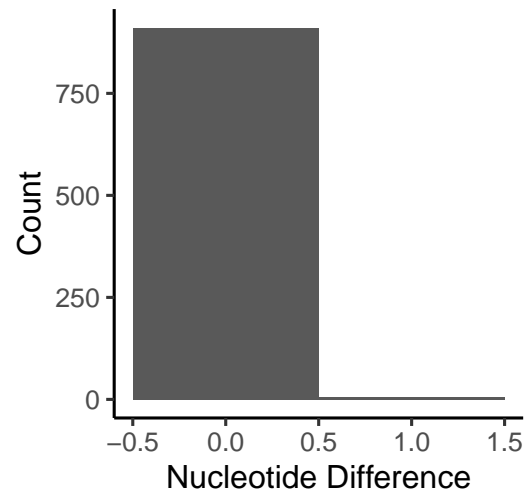
TRBV7-8*ap03

1024 sequences assigned
851 (83.1%) exact matches, in which:
850 unique CDR3
13 unique J



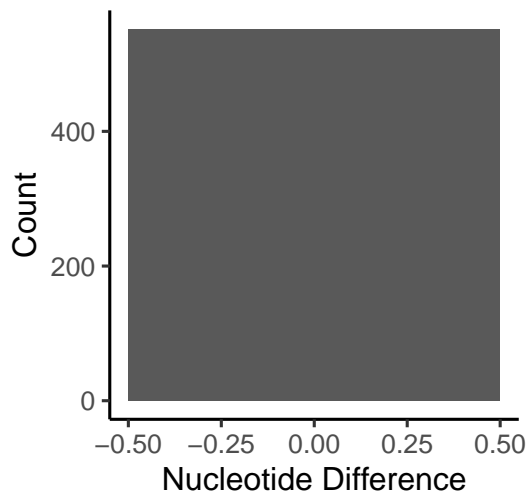
TRBV29-1*ap02

917 sequences assigned
911 (99.3%) exact matches, in which:
906 unique CDR3
13 unique J



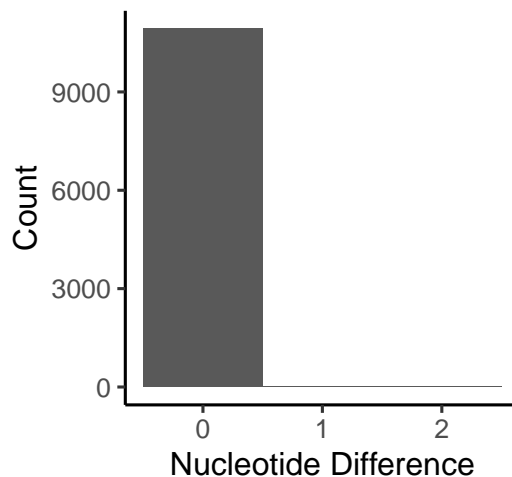
TRBV7-7*ap01_C315T

552 sequences assigned
552 (100%) exact matches, in which:
552 unique CDR3
13 unique J



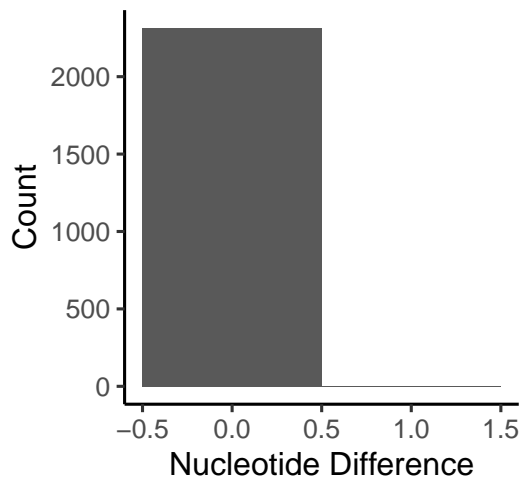
TRBV7-9*ap01

10949 sequences assigned
10928 (99.8%) exact matches, in which:
10919 unique CDR3
13 unique J



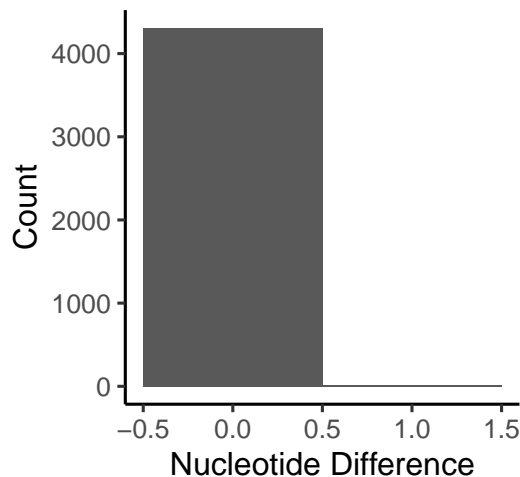
TRBV7-8*ap01

2316 sequences assigned
2314 (99.9%) exact matches, in which:
2314 unique CDR3
13 unique J

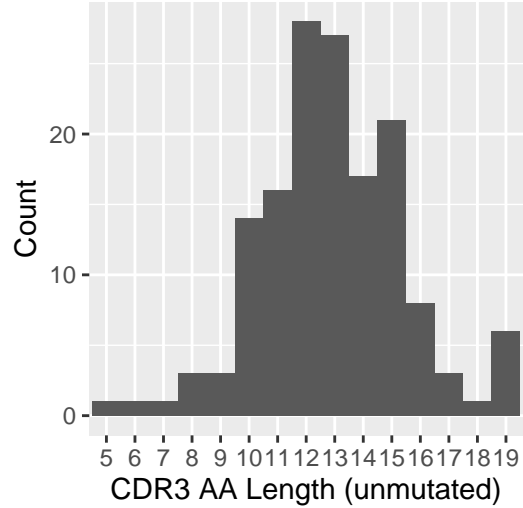


TRBV29-1*ap01

4324 sequences assigned
4307 (99.6%) exact matches, in which:
4299 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

