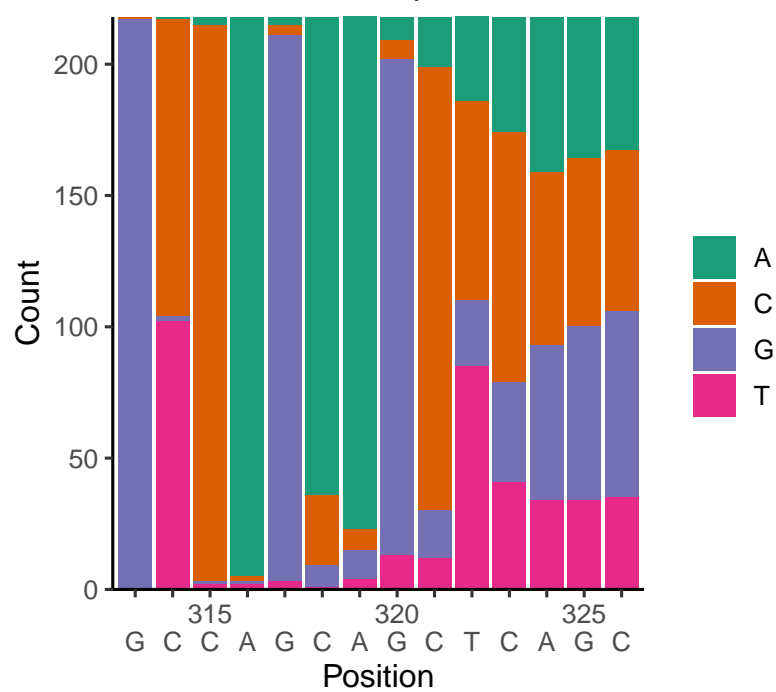
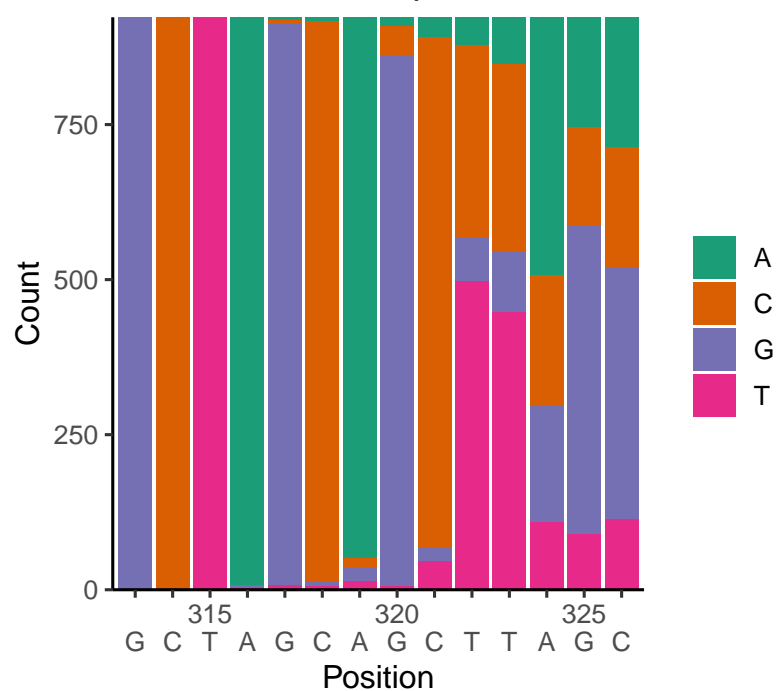


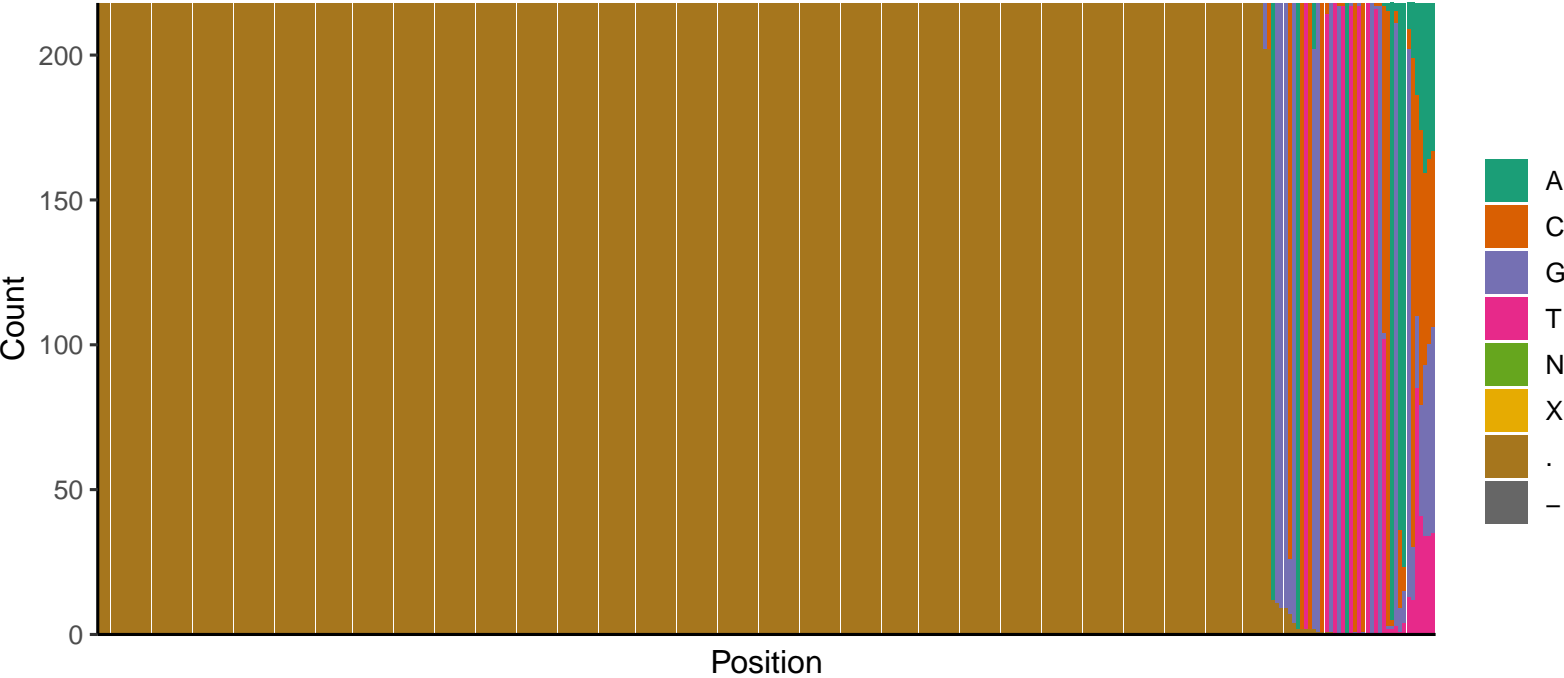
Gene TRBV7-1*ap01_T296C



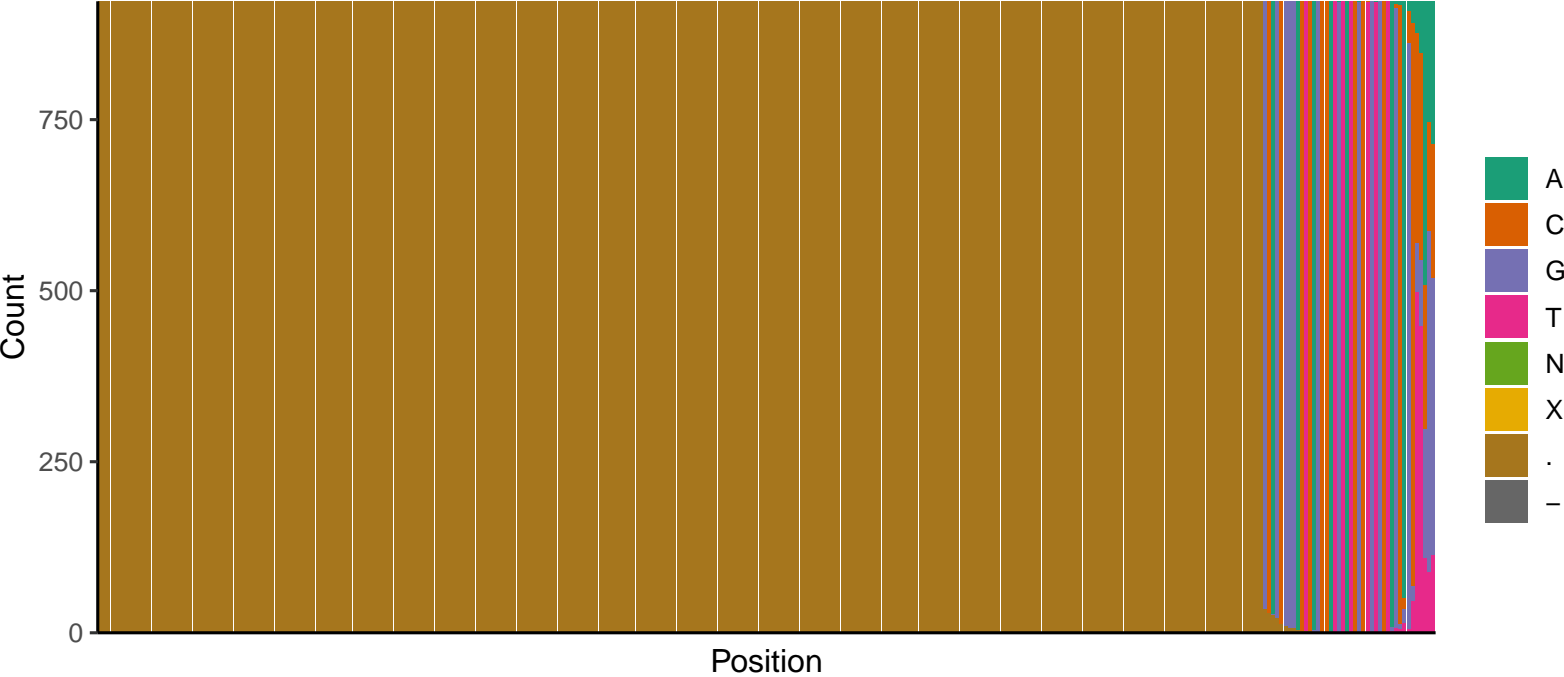
Gene TRBV7-7*ap01_C315T



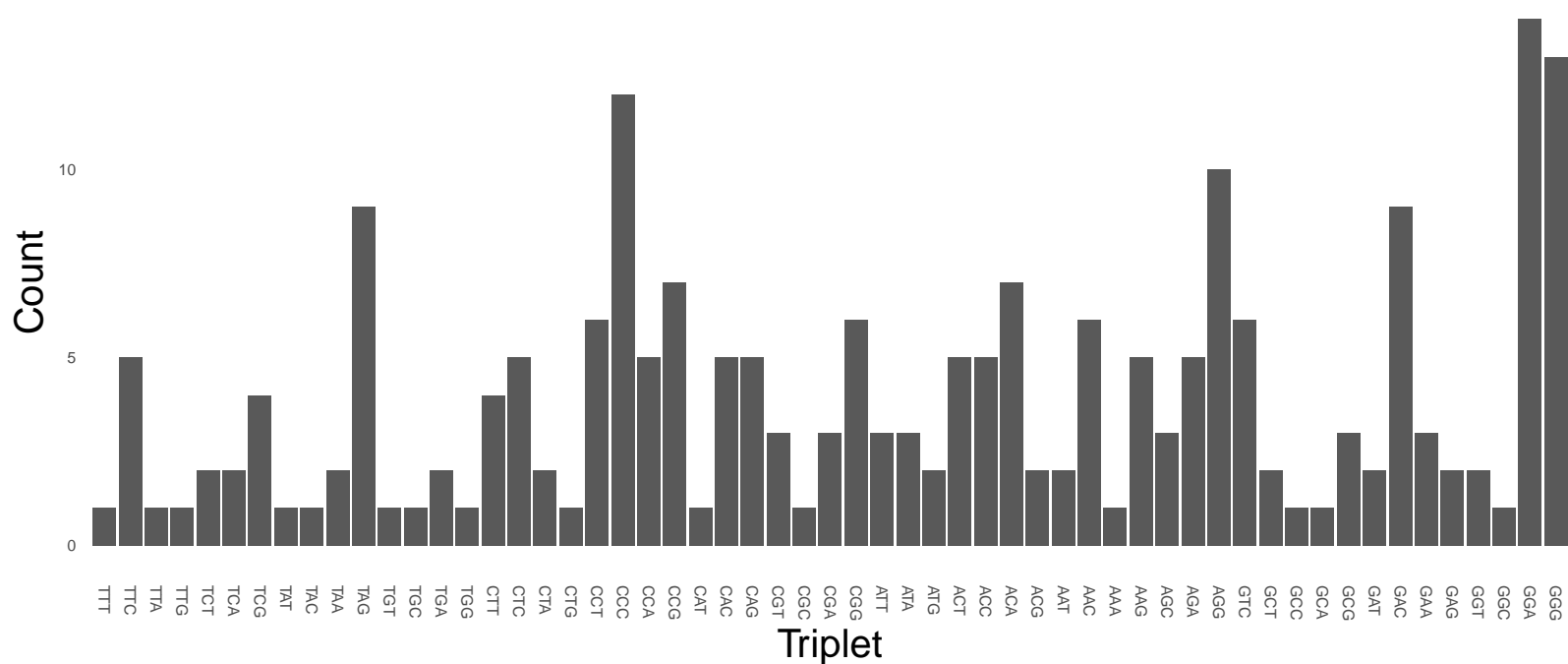
Gene TRBV7-1*ap01_T296C



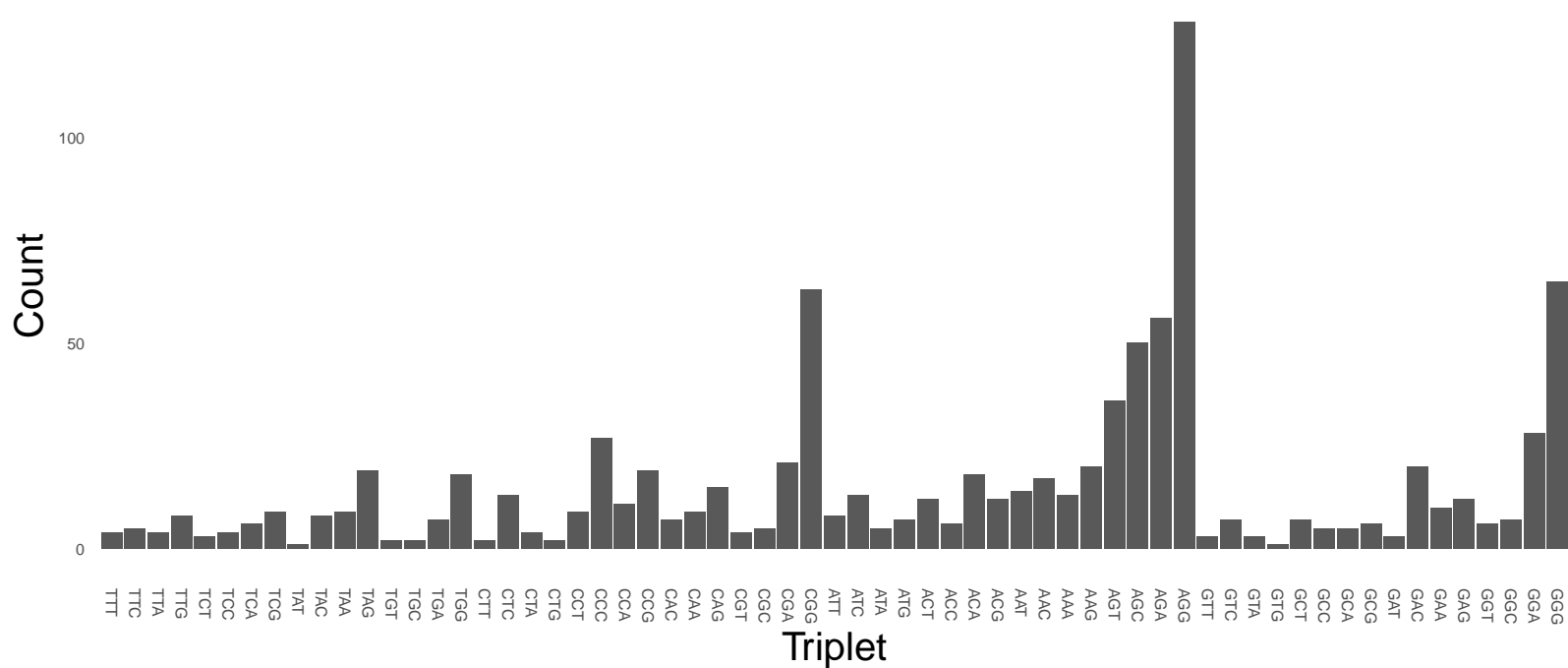
Gene TRBV7-7*ap01_C315T



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

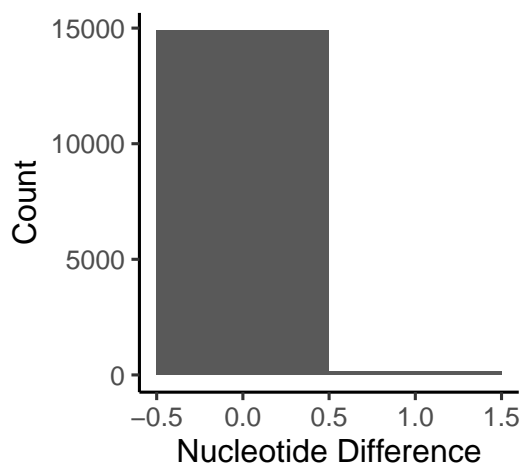


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



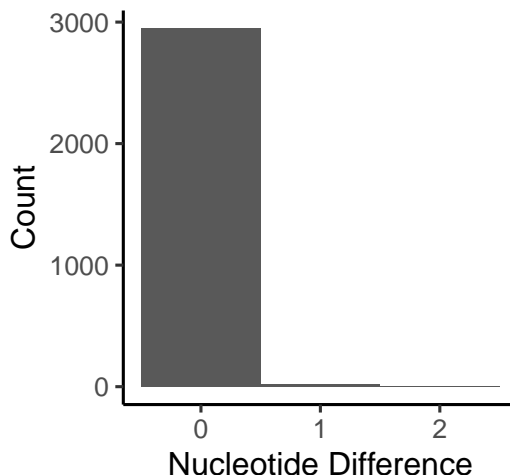
TRBV20-1*ap01

15047 sequences assigned
14911 (99.1%) exact matches, in which:
14699 unique CDR3
13 unique J



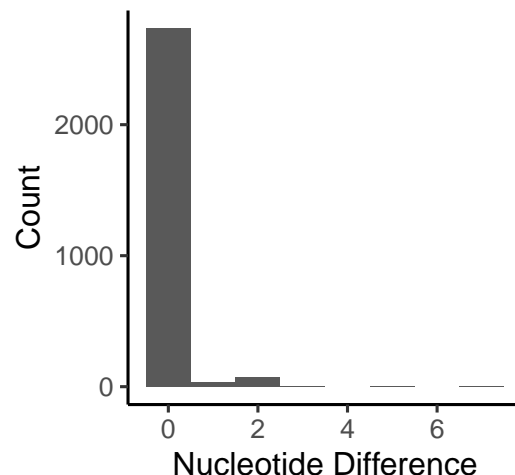
TRBV10-2*ap01

2970 sequences assigned
2948 (99.3%) exact matches, in which:
2893 unique CDR3
13 unique J



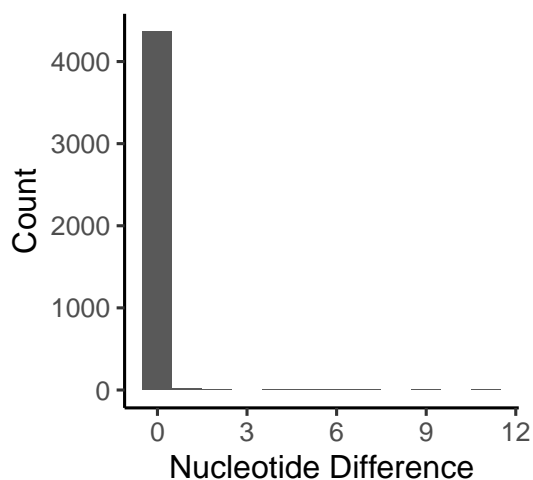
TRBV13*ap01

2843 sequences assigned
2735 (96.2%) exact matches, in which:
2654 unique CDR3
13 unique J



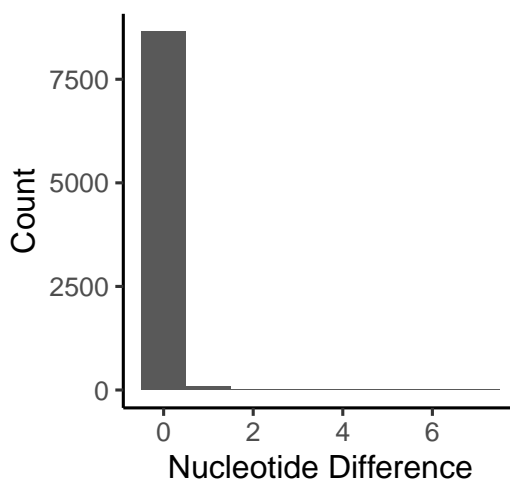
TRBV10-1*ap01

4396 sequences assigned
4363 (99.2%) exact matches, in which:
4304 unique CDR3
13 unique J



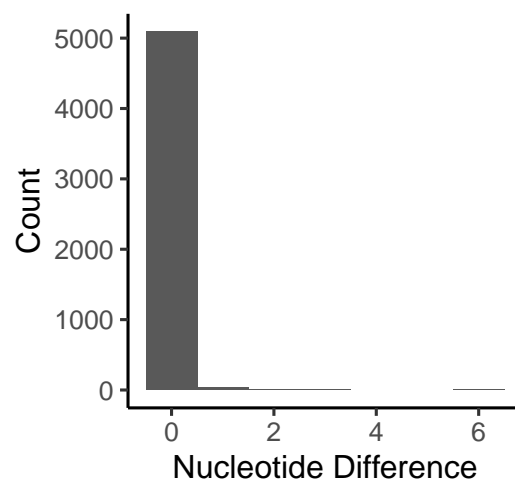
TRBV10-3*ap01

8740 sequences assigned
8648 (98.9%) exact matches, in which:
8529 unique CDR3
13 unique J



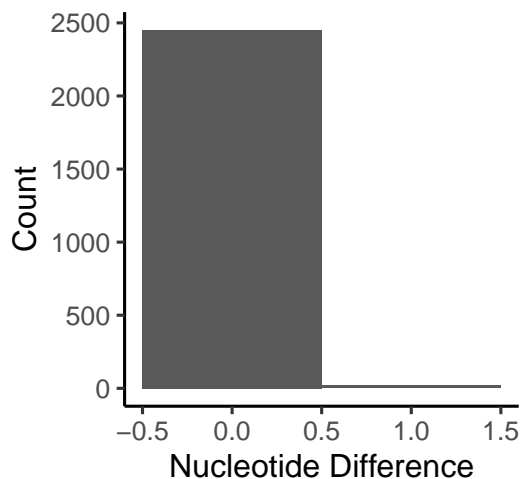
TRBV14*ap01

5129 sequences assigned
5091 (99.3%) exact matches, in which:
5024 unique CDR3
13 unique J



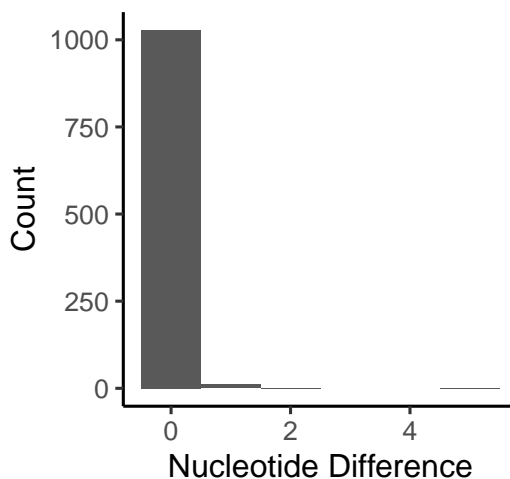
TRBV20-1*ap02

2471 sequences assigned
2451 (99.2%) exact matches, in which:
2427 unique CDR3
13 unique J



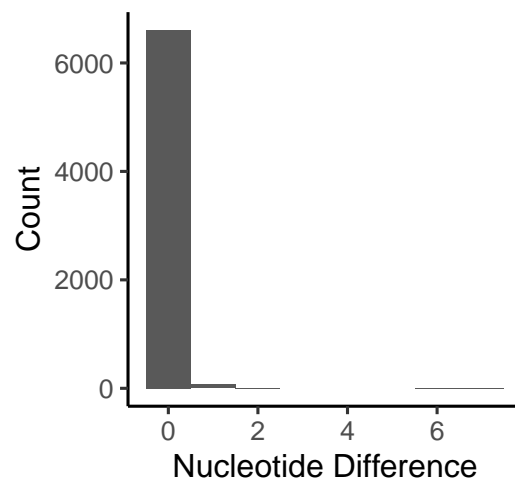
TRBV1*ap01

1041 sequences assigned
1028 (98.8%) exact matches, in which:
1003 unique CDR3
13 unique J



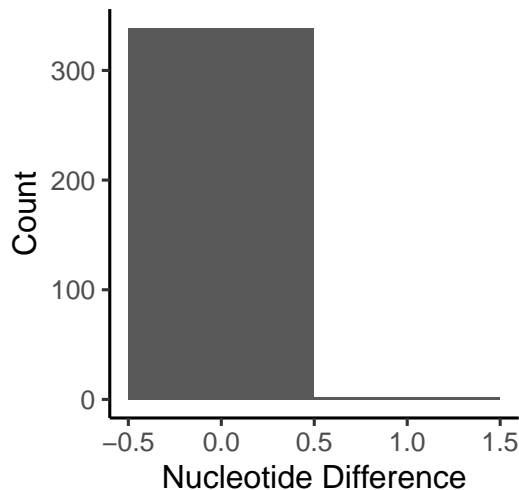
TRBV15*ap02

6682 sequences assigned
6607 (98.9%) exact matches, in which:
6465 unique CDR3
13 unique J



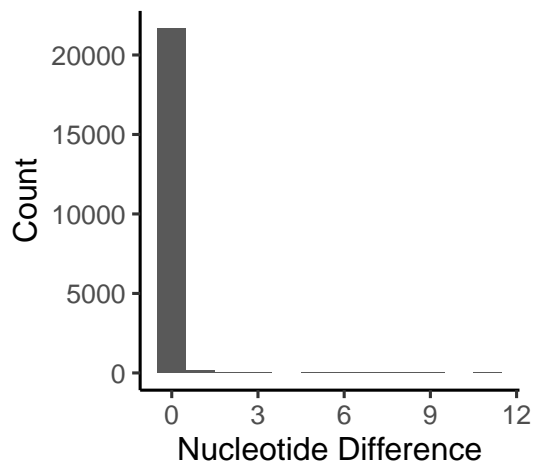
TRBV16*ap01

341 sequences assigned
339 (99.4%) exact matches, in which:
336 unique CDR3
13 unique J



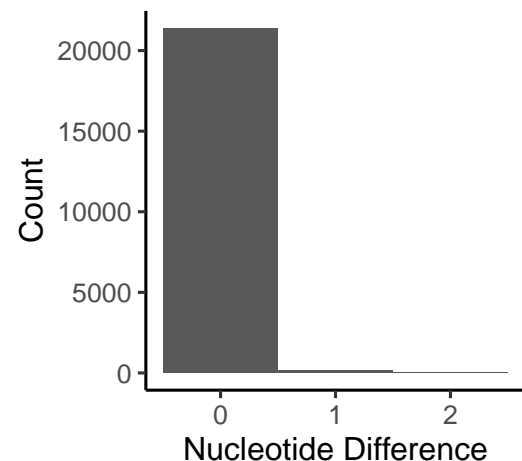
TRBV19*ap01

21890 sequences assigned
21688 (99.1%) exact matches, in which:
21492 unique CDR3
13 unique J



TRBV28*ap01

21553 sequences assigned
21391 (99.2%) exact matches, in which:
21058 unique CDR3
13 unique J



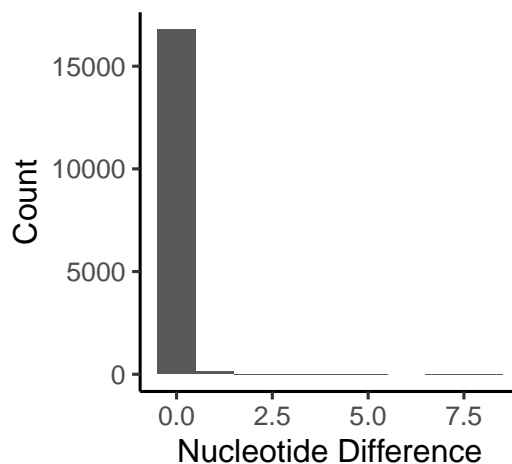
TRBV17*ap01

1 sequences assigned
No exact matches.



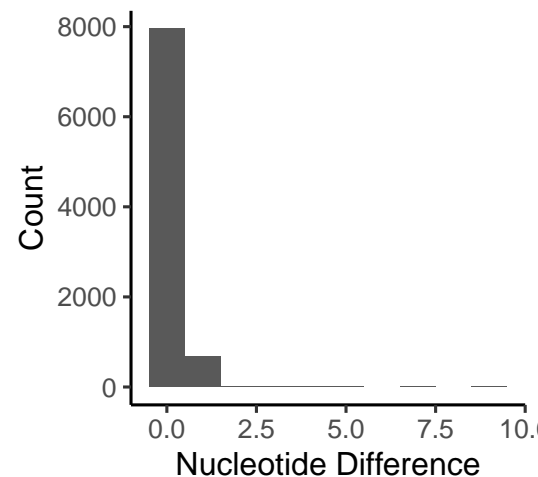
TRBV2*ap01

16938 sequences assigned
16788 (99.1%) exact matches, in which:
16509 unique CDR3
13 unique J



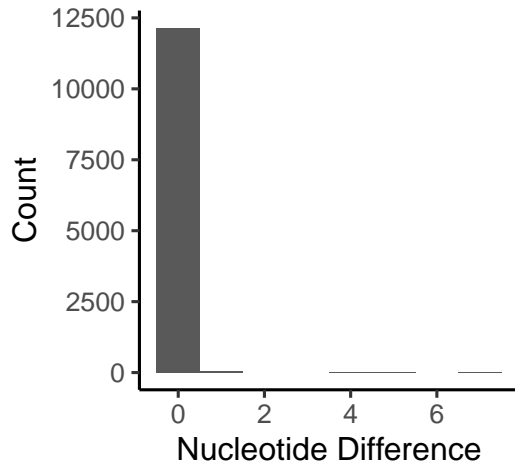
TRBV30*ap01

8645 sequences assigned
7954 (92%) exact matches, in which:
7759 unique CDR3
13 unique J



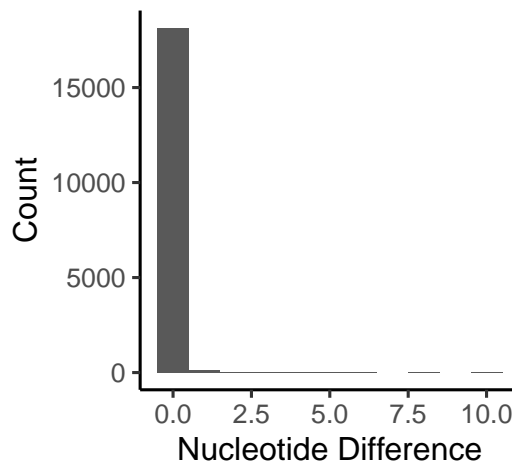
TRBV18*ap01

12217 sequences assigned
12151 (99.5%) exact matches, in which:
12019 unique CDR3
13 unique J



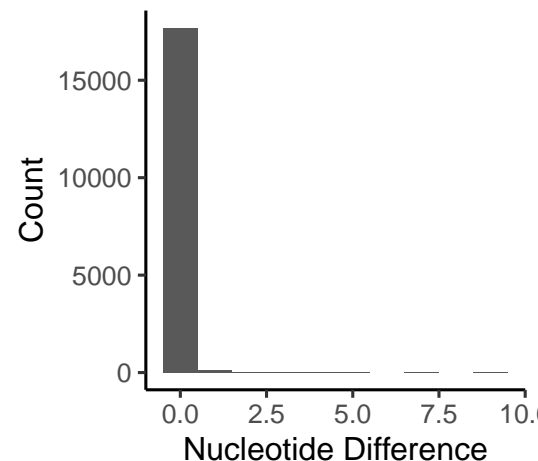
TRBV27*ap01

18308 sequences assigned
18145 (99.1%) exact matches, in which:
17812 unique CDR3
13 unique J



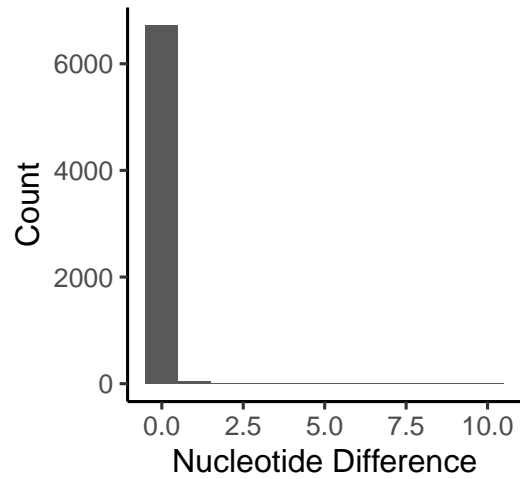
TRBV9*ap01

17827 sequences assigned
17692 (99.2%) exact matches, in which:
17473 unique CDR3
13 unique J



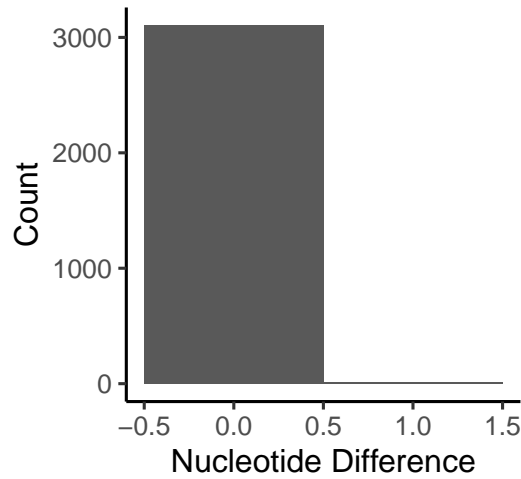
TRBV21-1*ap01

6799 sequences assigned
6719 (98.8%) exact matches, in which:
6660 unique CDR3
13 unique J



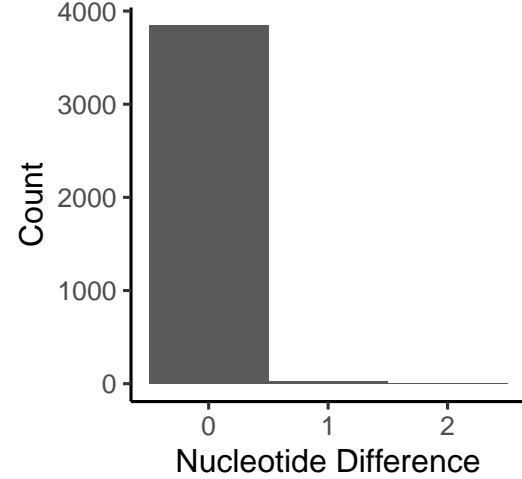
TRBV11-3*ap01

3116 sequences assigned
3104 (99.6%) exact matches, in which:
3083 unique CDR3
13 unique J



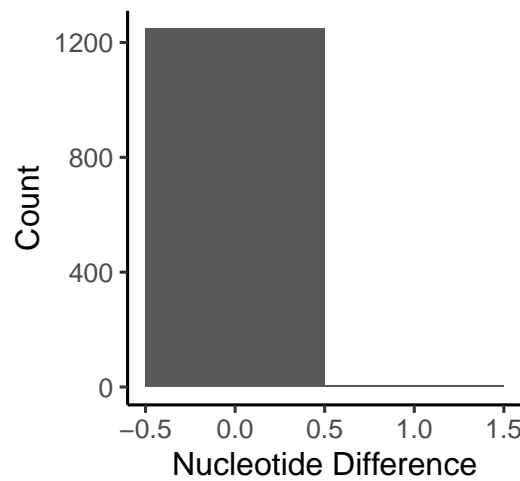
TRBV12-5*ap01

3878 sequences assigned
3846 (99.2%) exact matches, in which:
3776 unique CDR3
13 unique J



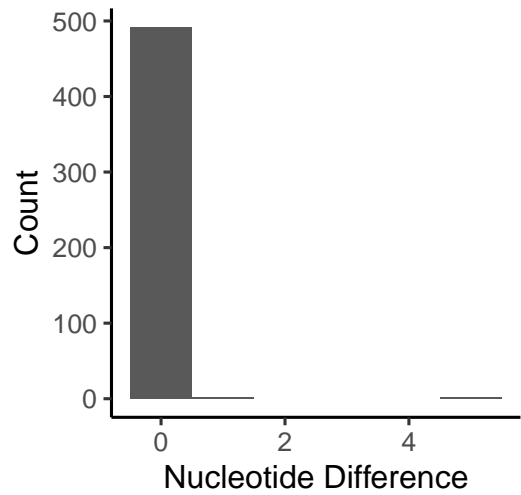
TRBV11-1*ap01

1252 sequences assigned
1248 (99.7%) exact matches, in which:
1239 unique CDR3
13 unique J



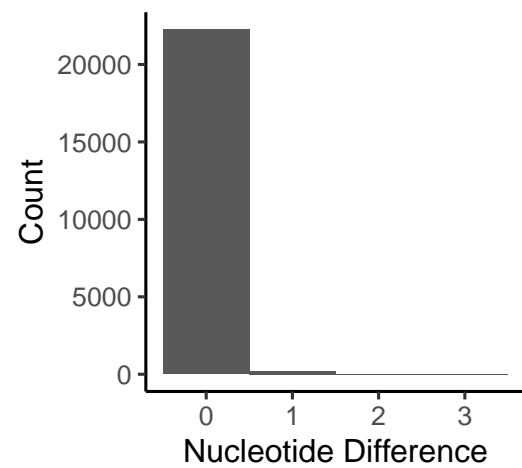
TRBV12-1*ap01

496 sequences assigned
492 (99.2%) exact matches, in which:
484 unique CDR3
13 unique J



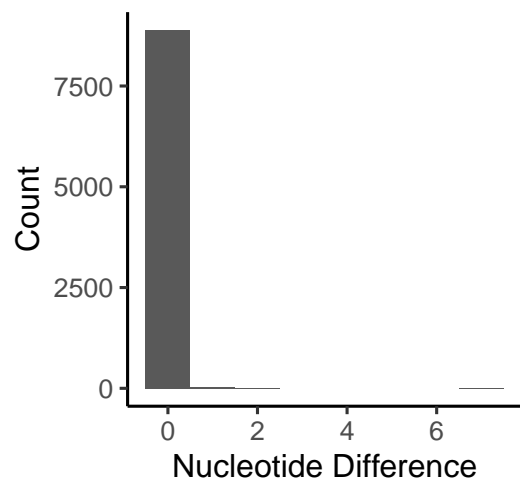
TRBV12-34*ap01

22478 sequences assigned
22261 (99%) exact matches, in which:
21890 unique CDR3
13 unique J



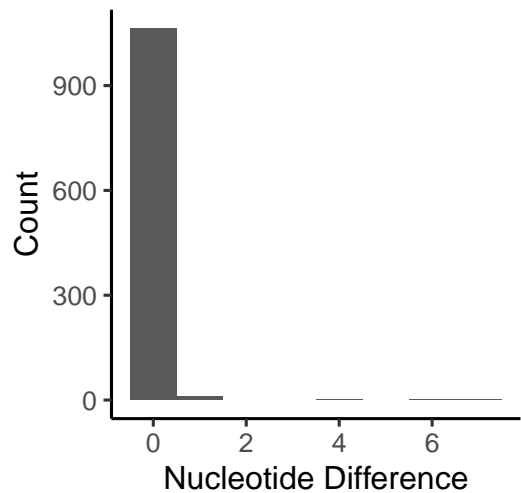
TRBV11-2*ap01

8920 sequences assigned
8888 (99.6%) exact matches, in which:
8834 unique CDR3
13 unique J



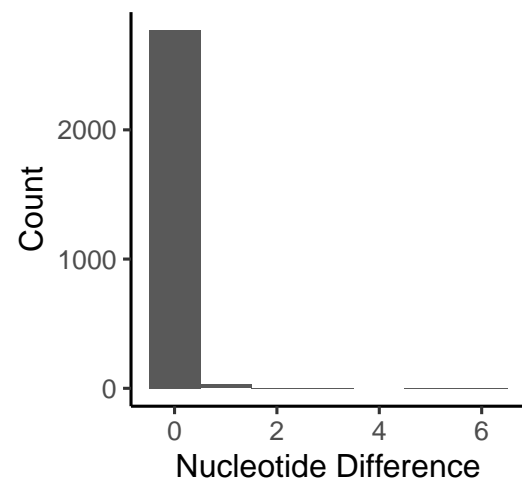
TRBV12-2*ap01

1076 sequences assigned
1064 (98.9%) exact matches, in which:
1052 unique CDR3
13 unique J



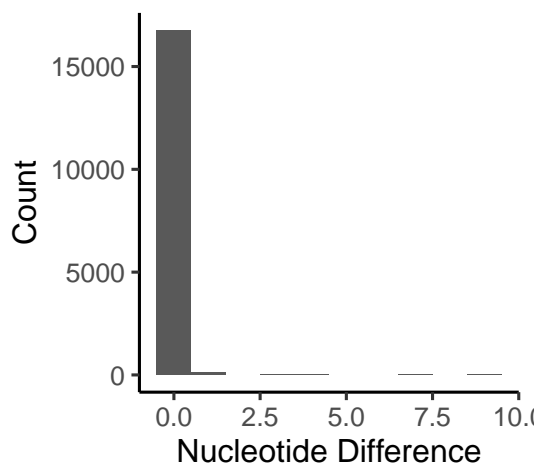
TRBV23-1*ap01

2811 sequences assigned
2772 (98.6%) exact matches, in which:
2731 unique CDR3
13 unique J



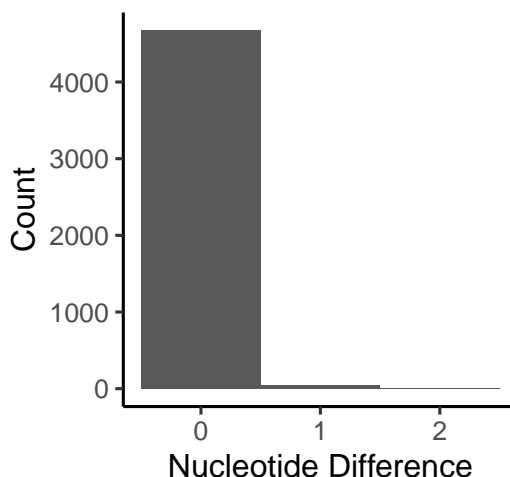
TRBV3-12*ap01

16881 sequences assigned
16770 (99.3%) exact matches, in which:
16629 unique CDR3
13 unique J



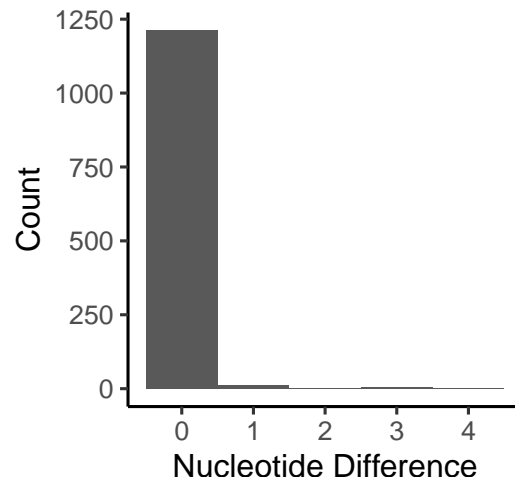
TRBV4-2*ap01

4724 sequences assigned
4673 (98.9%) exact matches, in which:
4590 unique CDR3
13 unique J



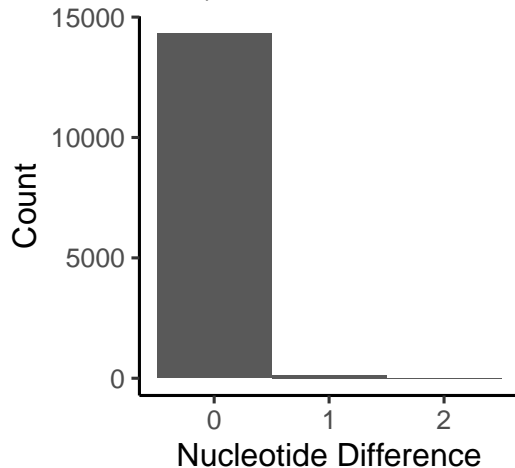
TRBV5-3*ap01

1232 sequences assigned
1212 (98.4%) exact matches, in which:
1193 unique CDR3
13 unique J



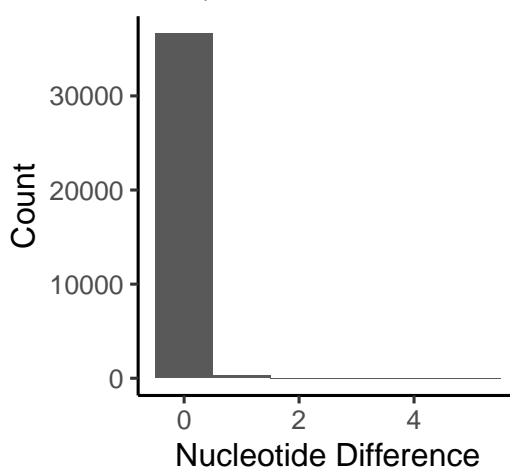
TRBV4-1*ap01

14457 sequences assigned
14320 (99.1%) exact matches, in which:
14008 unique CDR3
13 unique J



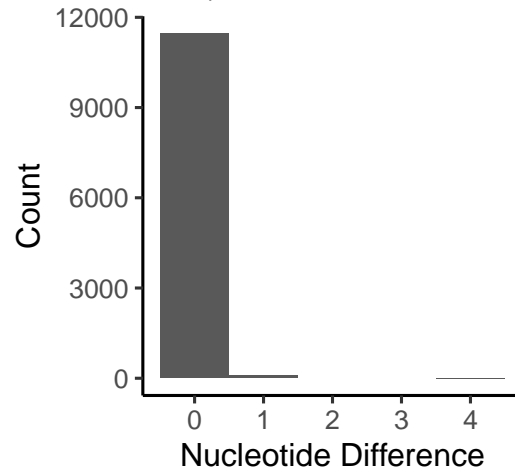
TRBV5-1*ap01

36962 sequences assigned
36634 (99.1%) exact matches, in which:
35899 unique CDR3
13 unique J



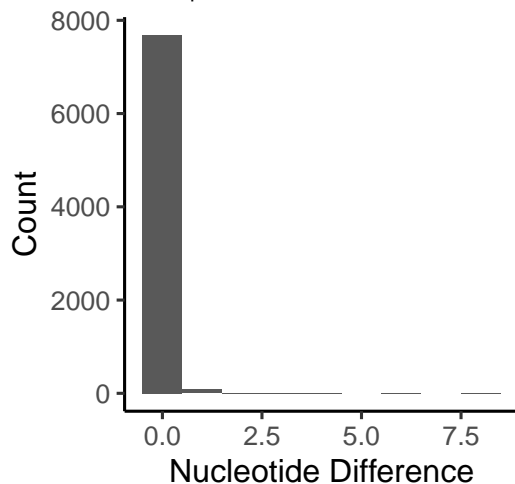
TRBV5-4*ap01

11556 sequences assigned
11463 (99.2%) exact matches, in which:
11251 unique CDR3
13 unique J



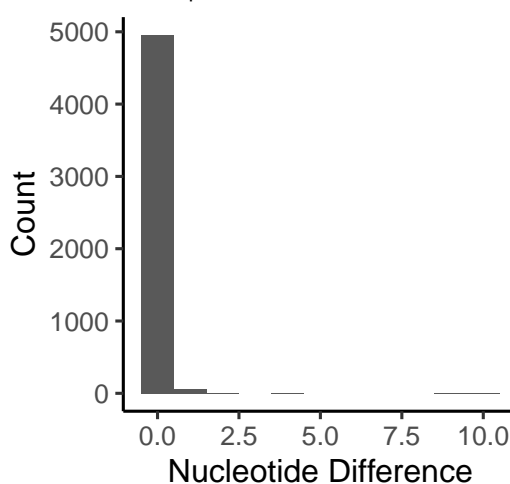
TRBV24-1*ap01

7783 sequences assigned
7684 (98.7%) exact matches, in which:
7546 unique CDR3
13 unique J



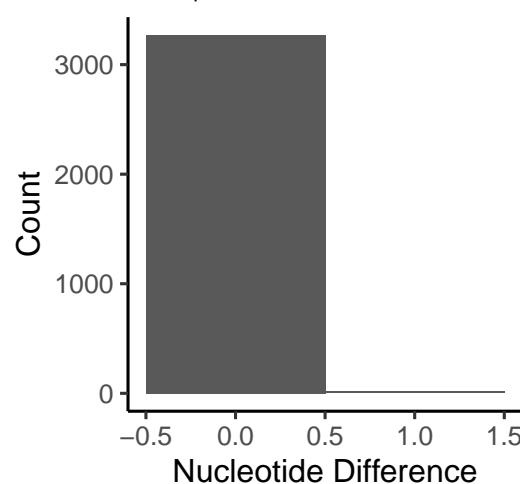
TRBV25-1*ap01

5019 sequences assigned
4955 (98.7%) exact matches, in which:
4833 unique CDR3
13 unique J



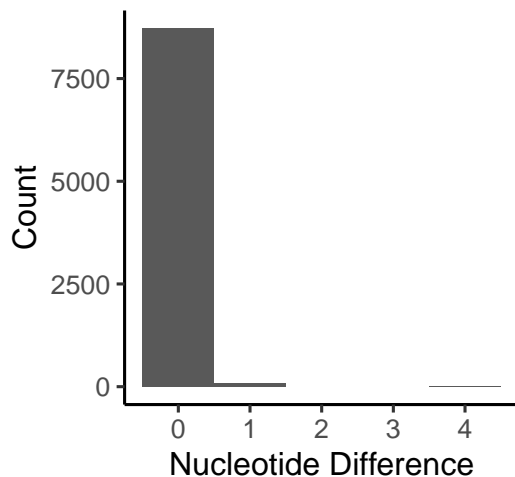
TRBV5-5*ap01

3286 sequences assigned
3270 (99.5%) exact matches, in which:
3244 unique CDR3
13 unique J



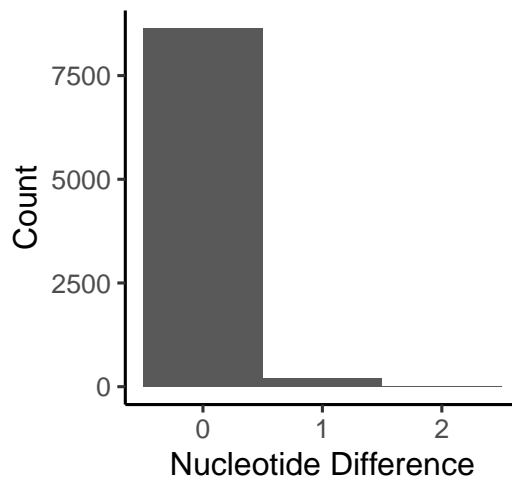
TRBV5-6*ap01

8806 sequences assigned
8721 (99%) exact matches, in which:
8489 unique CDR3
13 unique J



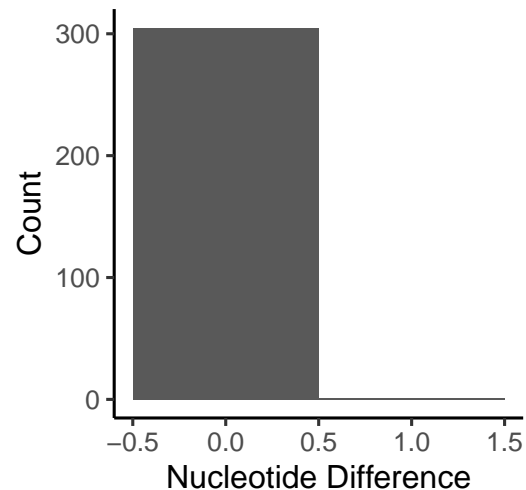
TRBV6-1*ap01

8845 sequences assigned
8637 (97.6%) exact matches, in which:
8456 unique CDR3
13 unique J



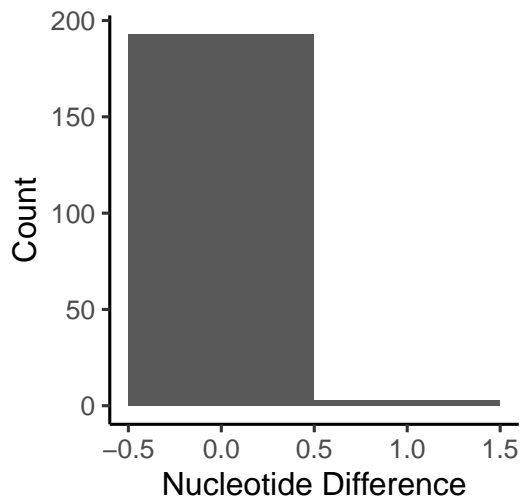
TRBV6-8*ap01

306 sequences assigned
305 (99.7%) exact matches, in which:
299 unique CDR3
13 unique J



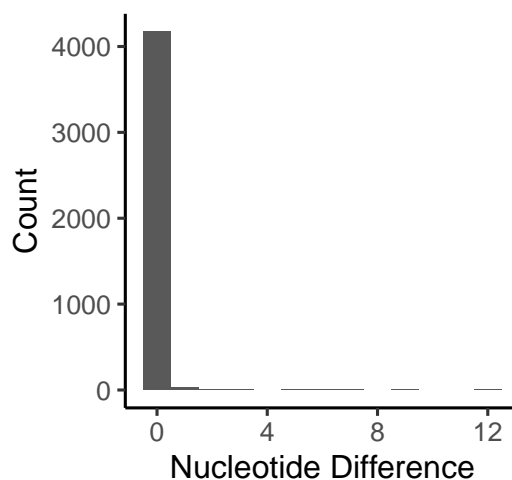
TRBV5-7*ap01

196 sequences assigned
193 (98.5%) exact matches, in which:
187 unique CDR3
13 unique J



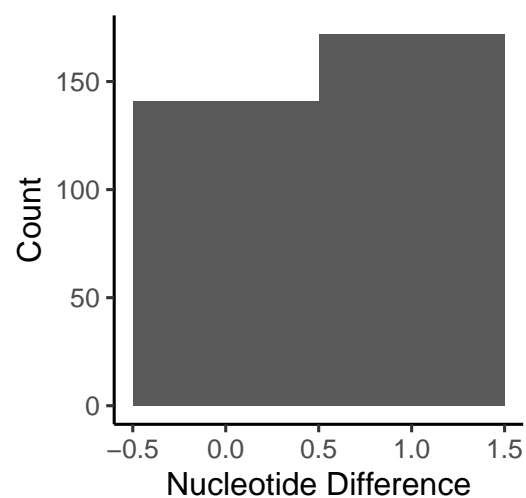
TRBV6-4*ap01

4218 sequences assigned
4172 (98.9%) exact matches, in which:
4112 unique CDR3
13 unique J



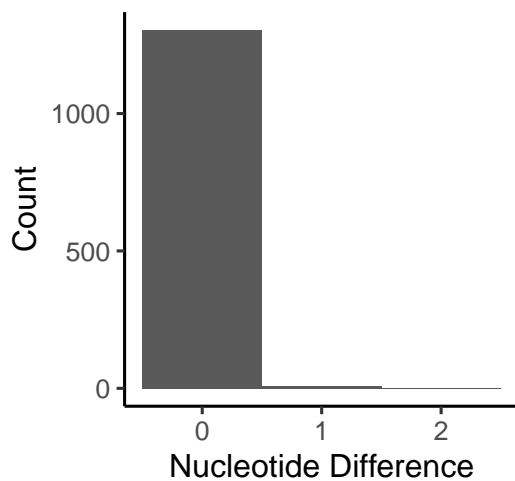
TRBV6-9*ap01

313 sequences assigned
141 (45%) exact matches, in which:
140 unique CDR3
12 unique J



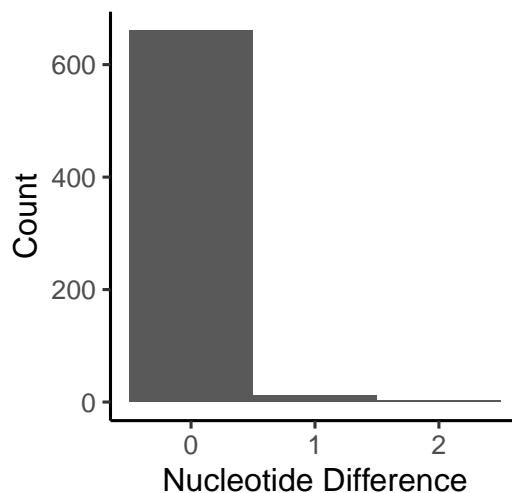
TRBV5-8*ap01

1314 sequences assigned
1304 (99.2%) exact matches, in which:
1279 unique CDR3
13 unique J



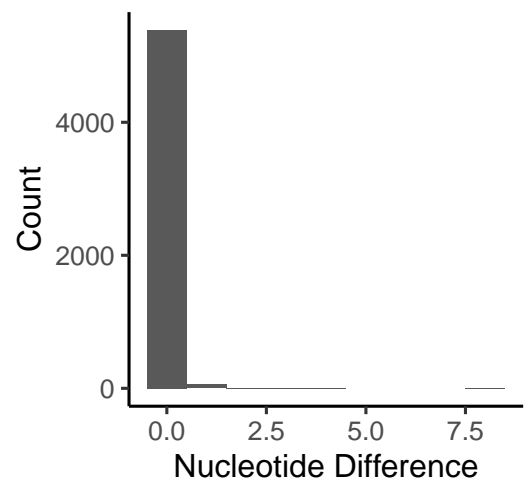
TRBV6-7*ap01

675 sequences assigned
661 (97.9%) exact matches, in which:
641 unique CDR3
13 unique J



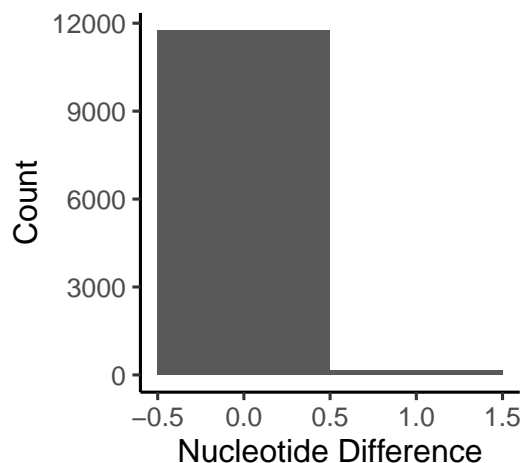
TRBV6-23*ap01

5448 sequences assigned
5387 (98.9%) exact matches, in which:
5229 unique CDR3
13 unique J



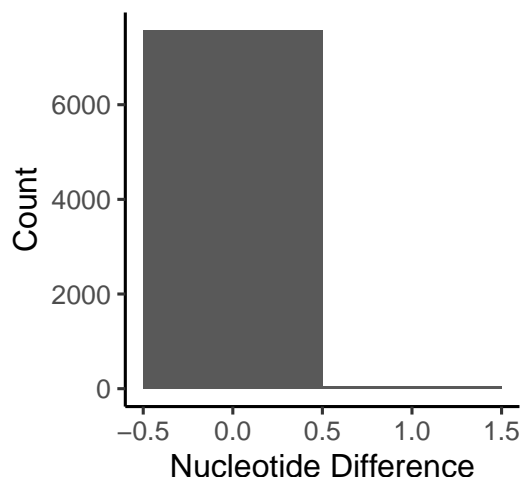
TRBV6-56*ap01

11920 sequences assigned
11763 (98.7%) exact matches, in which:
11462 unique CDR3
13 unique J



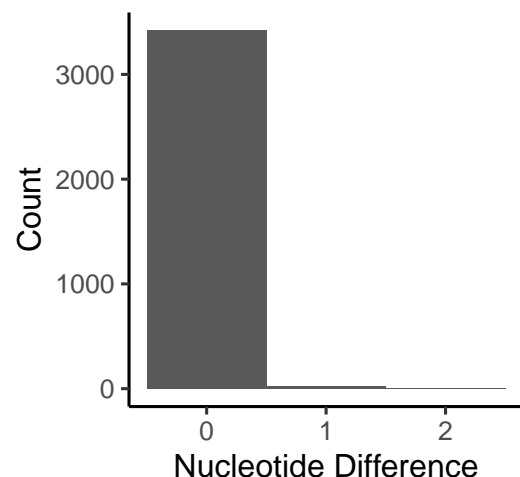
TRBV7-2*ap01

7628 sequences assigned
7570 (99.2%) exact matches, in which:
7450 unique CDR3
13 unique J



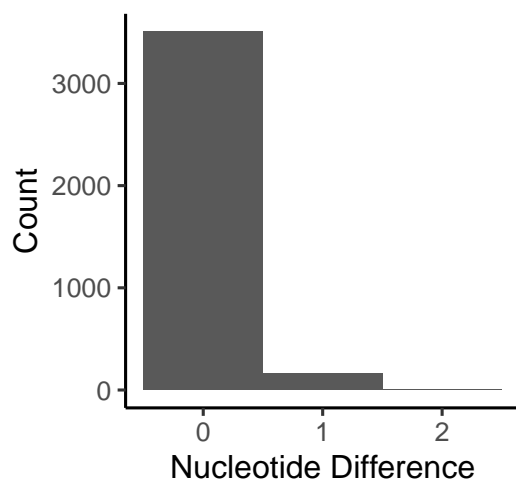
TRBV7-6*ap01

3447 sequences assigned
3420 (99.2%) exact matches, in which:
3354 unique CDR3
13 unique J



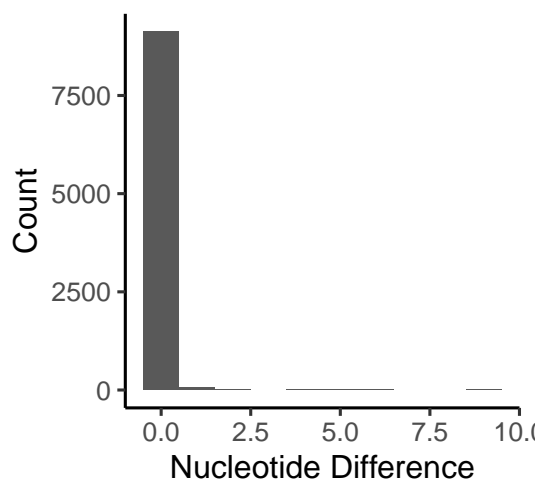
TRBV6-56*ap02

3674 sequences assigned
3506 (95.4%) exact matches, in which:
3410 unique CDR3
13 unique J



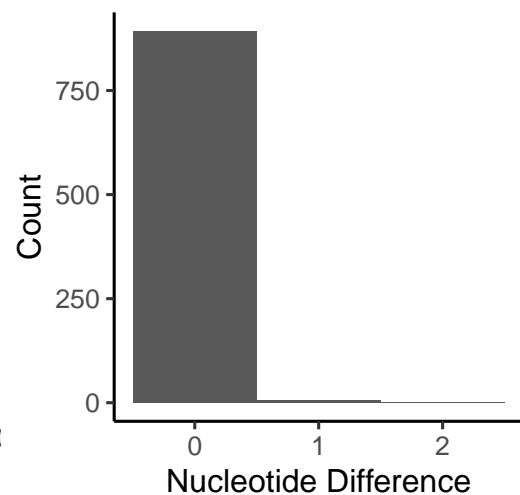
TRBV7-3*ap01

9188 sequences assigned
9124 (99.3%) exact matches, in which:
9027 unique CDR3
13 unique J



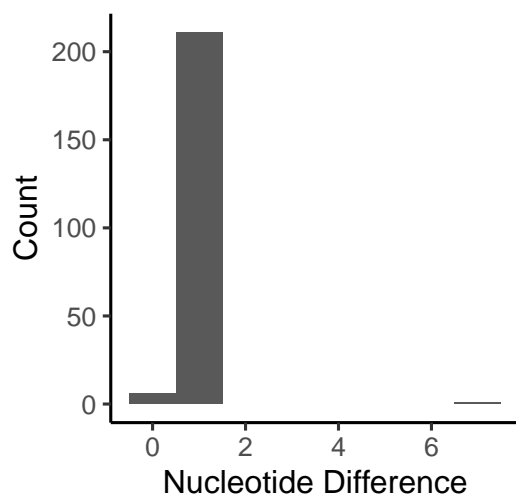
TRBV7-7*ap01

900 sequences assigned
893 (99.2%) exact matches, in which:
879 unique CDR3
13 unique J



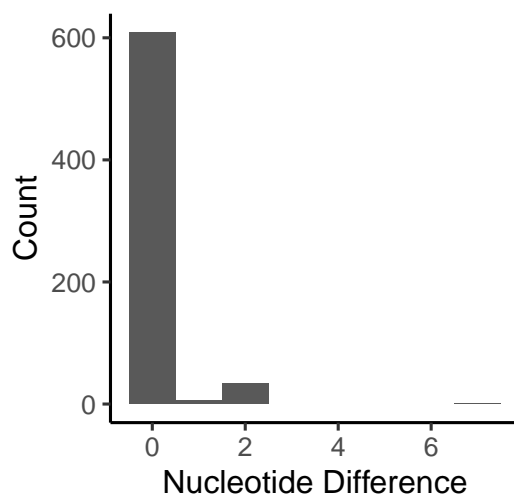
TRBV7-1*ap01_T296C

218 sequences assigned
6 (2.8%) exact matches, in which:
6 unique CDR3
4 unique J



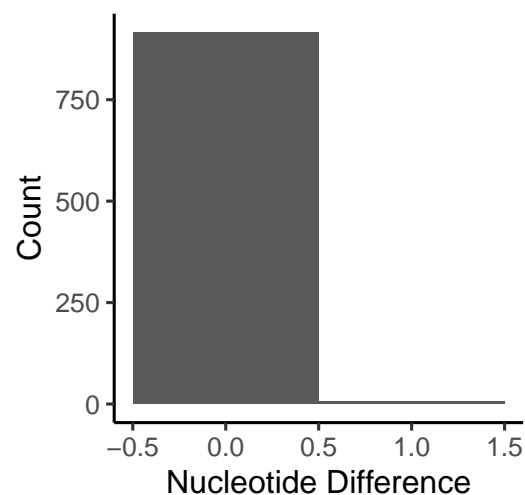
TRBV7-4*ap01

650 sequences assigned
609 (93.7%) exact matches, in which:
602 unique CDR3
13 unique J



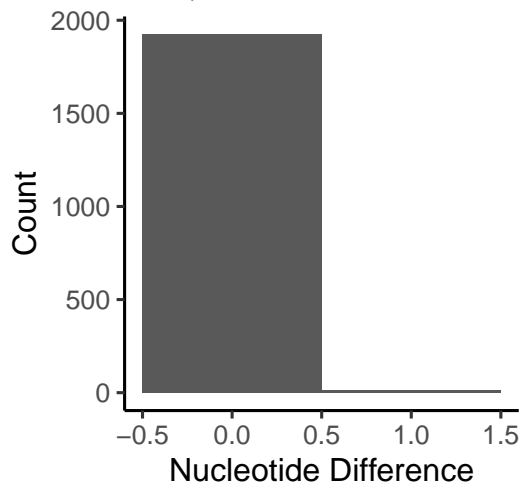
TRBV7-7*ap01_C315T

923 sequences assigned
916 (99.2%) exact matches, in which:
900 unique CDR3
13 unique J



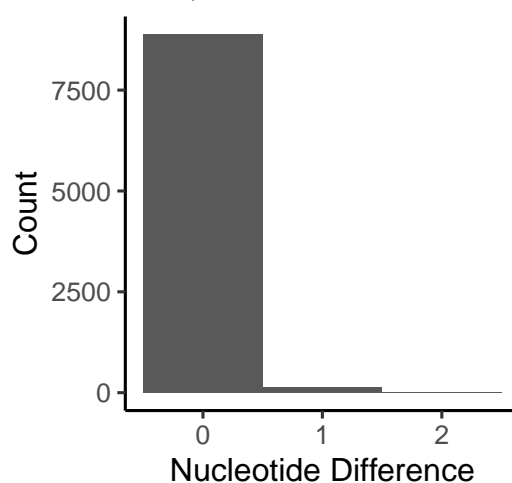
TRBV7-8*ap01

1938 sequences assigned
1924 (99.3%) exact matches, in which:
1885 unique CDR3
13 unique J



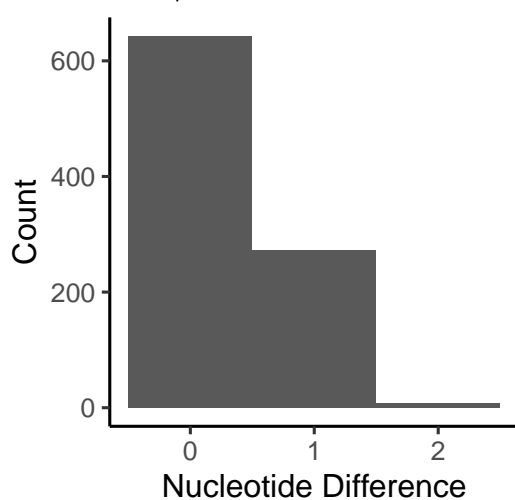
TRBV29-1*ap01

9015 sequences assigned
8881 (98.5%) exact matches, in which:
8636 unique CDR3
13 unique J



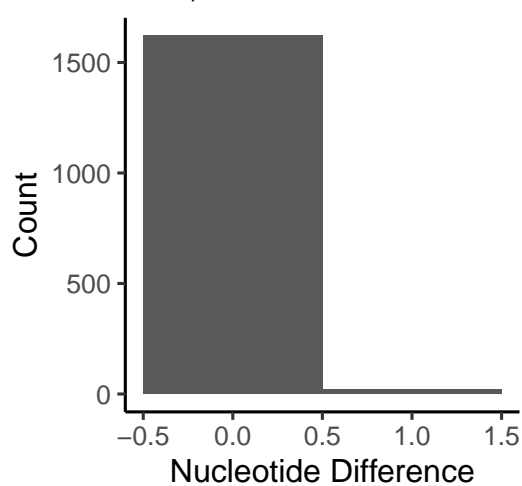
TRBV7-8*ap03

922 sequences assigned
643 (69.7%) exact matches, in which:
631 unique CDR3
13 unique J



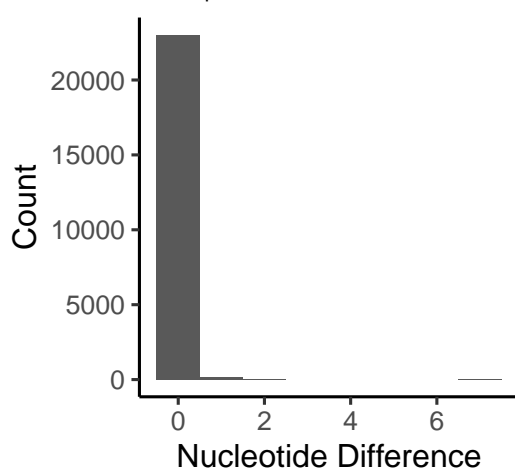
TRBV29-1*ap02

1643 sequences assigned
1621 (98.7%) exact matches, in which:
1578 unique CDR3
13 unique J

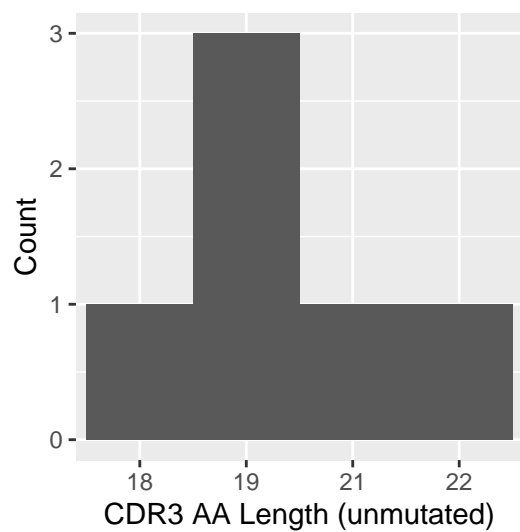


TRBV7-9*ap01

23188 sequences assigned
23019 (99.3%) exact matches, in which:
22728 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

