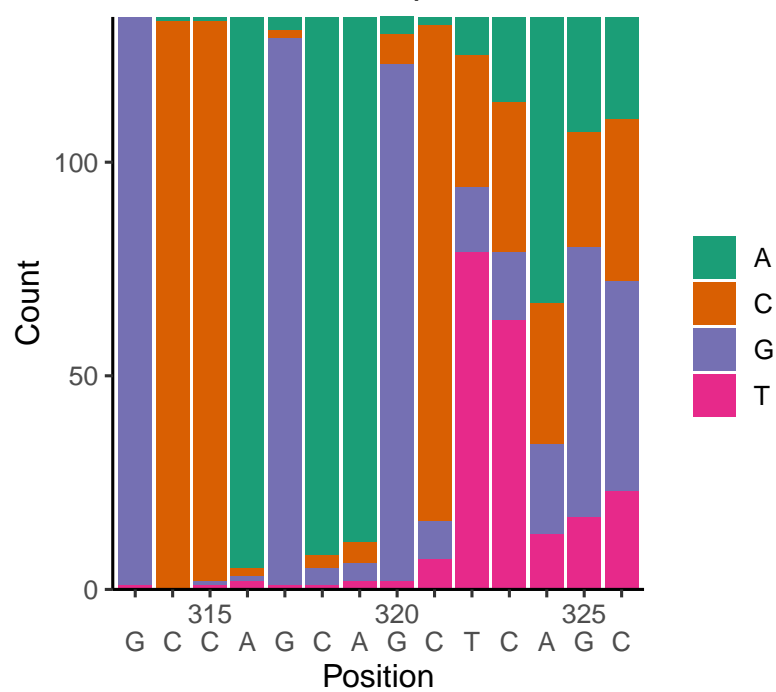
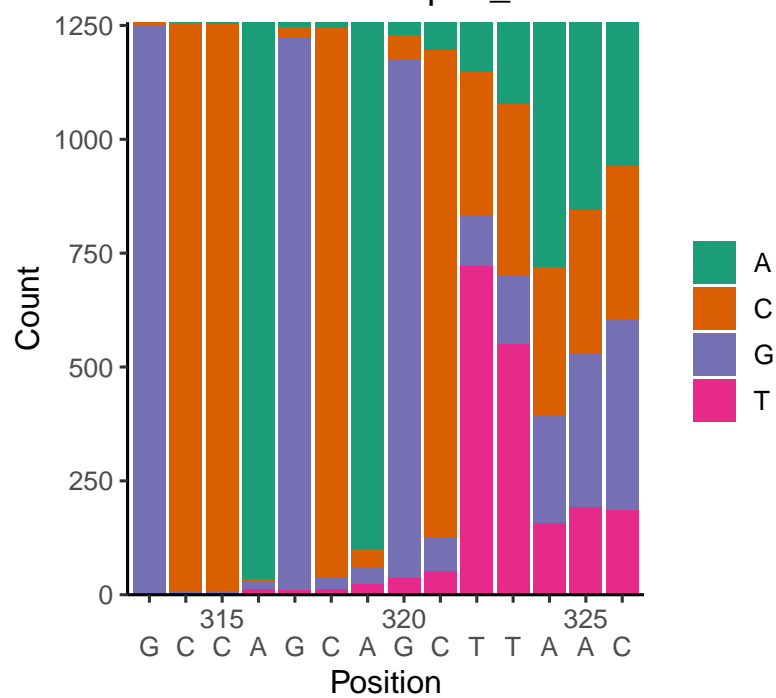


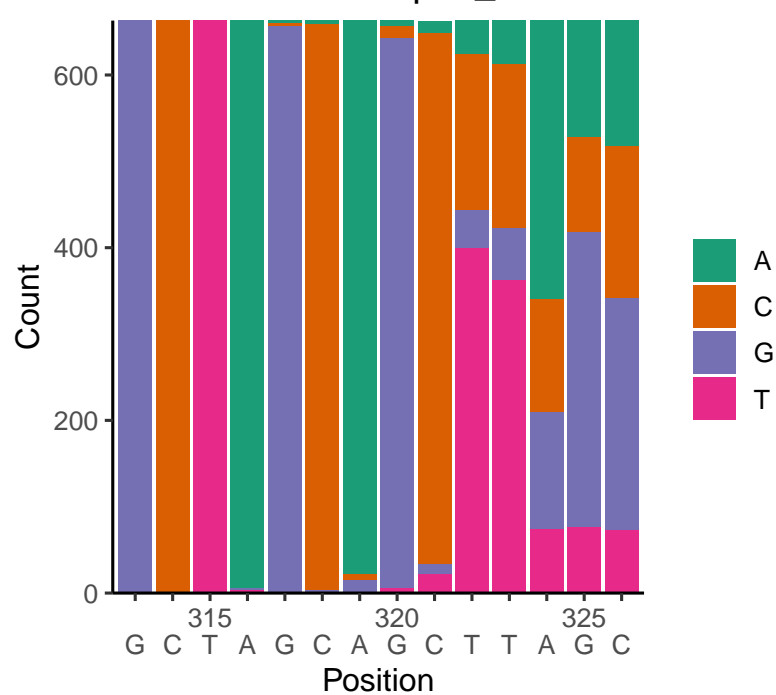
Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-3*ap01_G292T



Gene TRBV7-7*ap01_C315T



Gene TRBV7-1*ap01_G291C_T296C



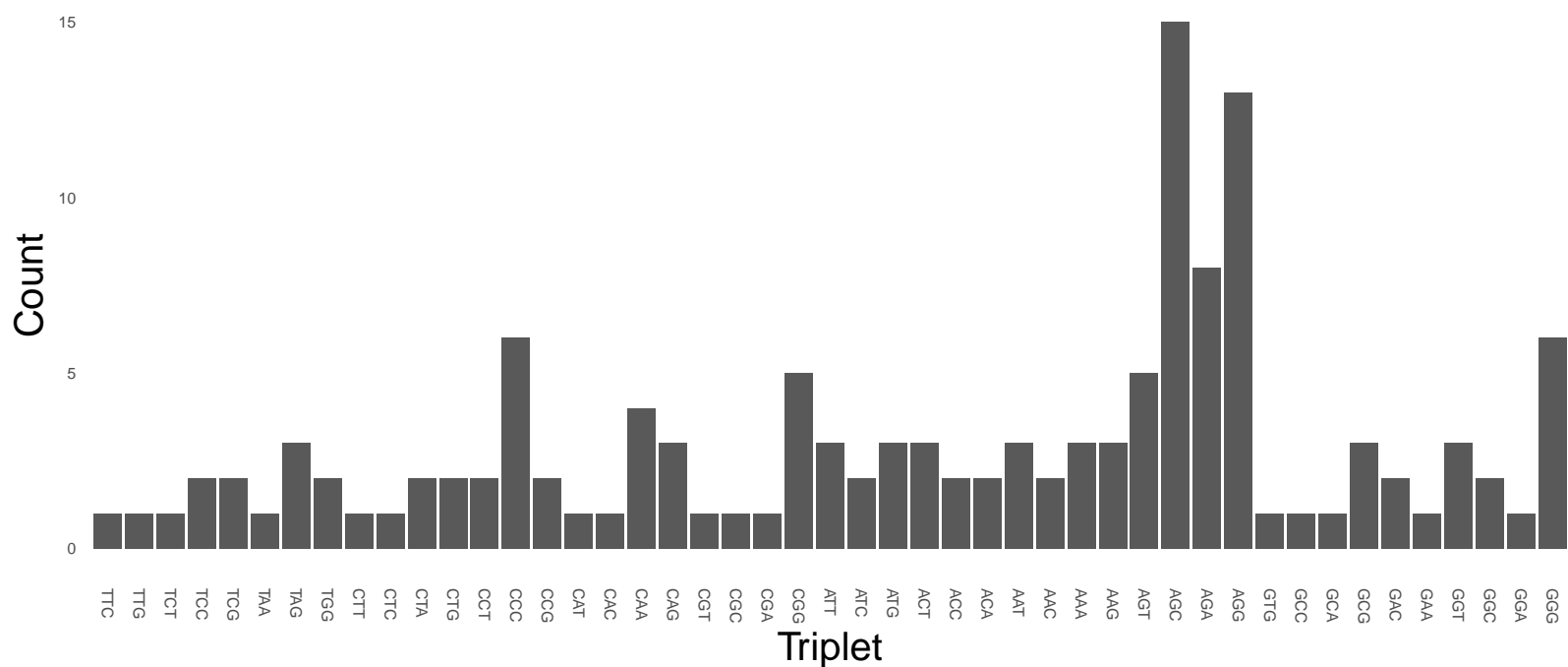
Gene TRBV7-3*ap01_G292T



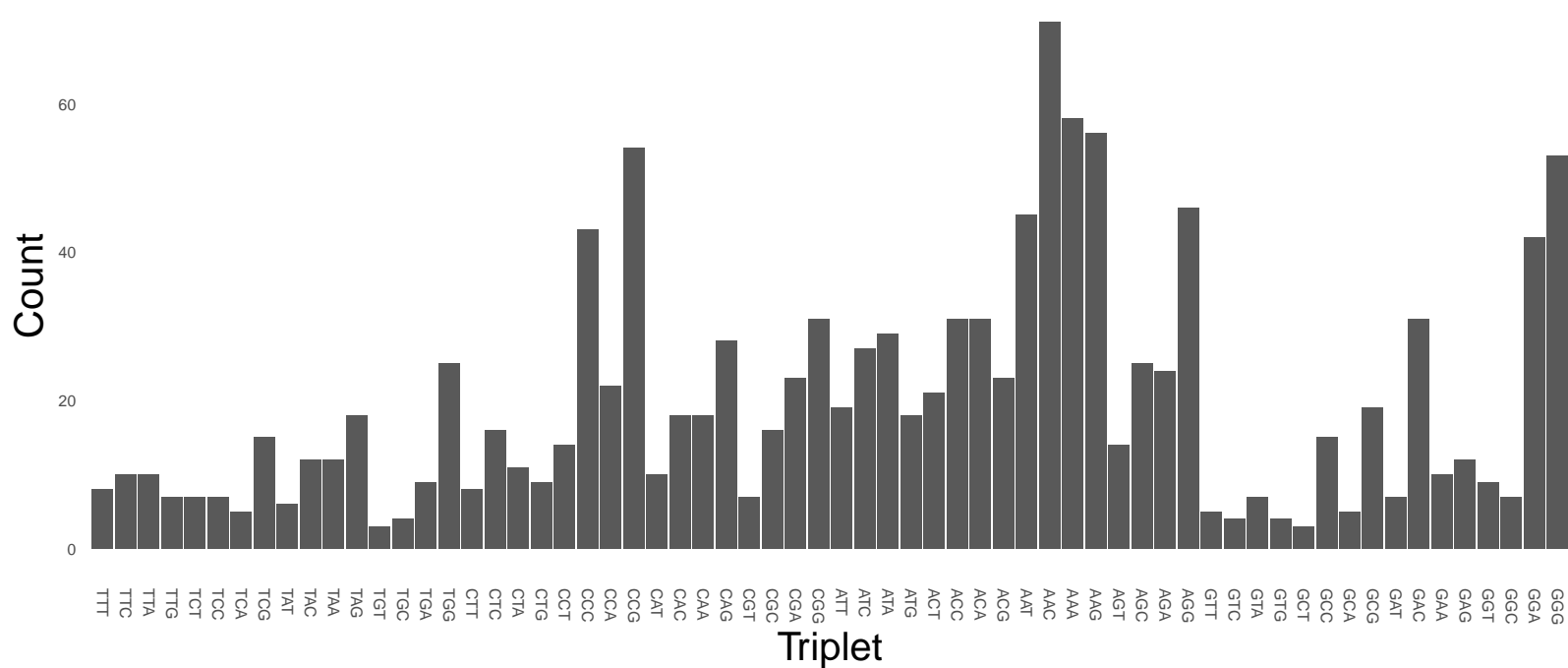
Gene TRBV7-7*ap01_C315T



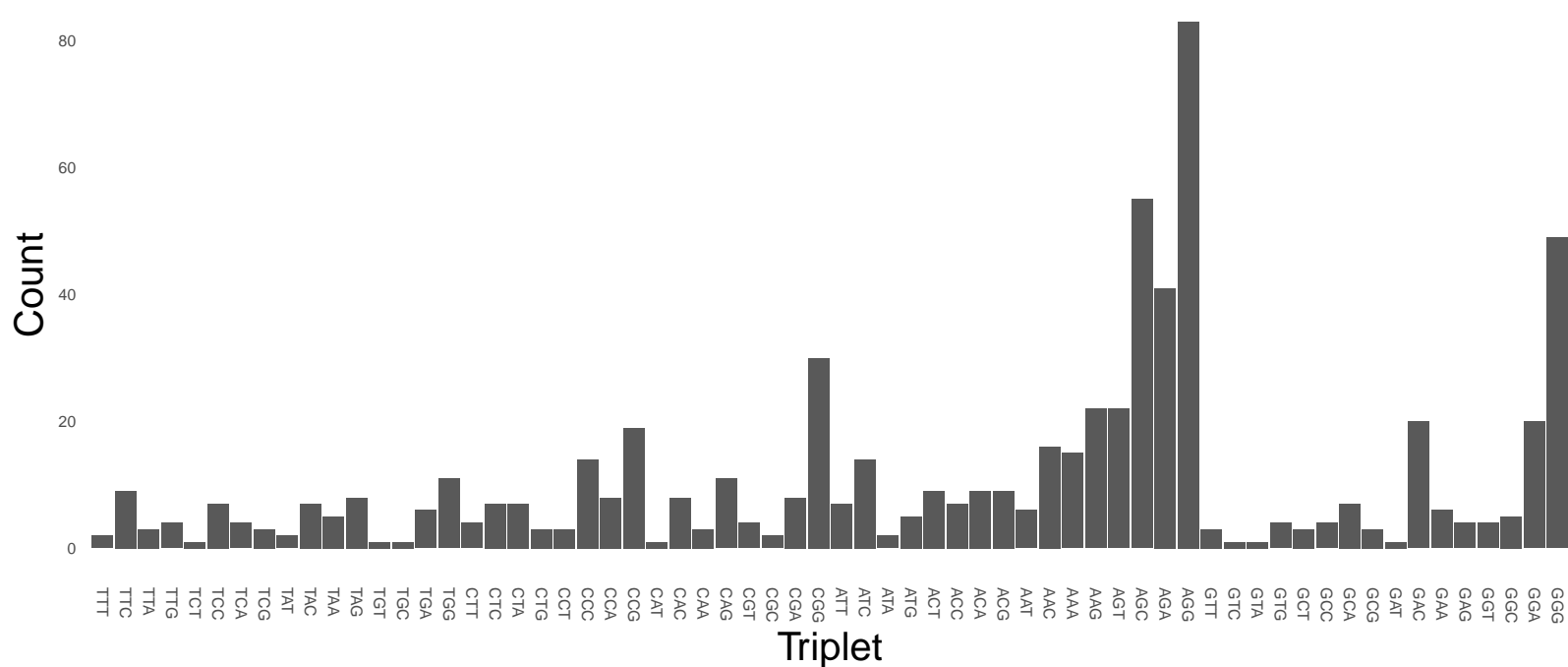
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



TRBV7-3*ap01_G292T- Final 3 nucleotides as a triplet

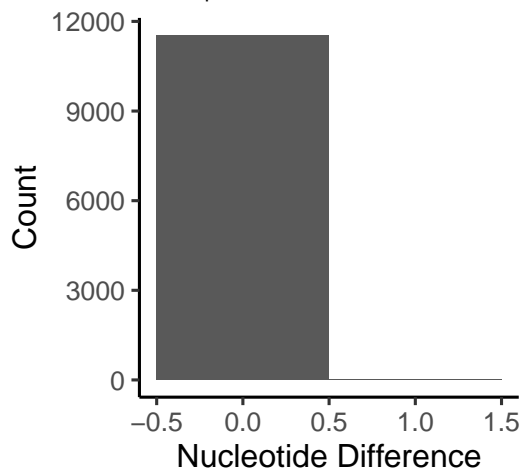


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



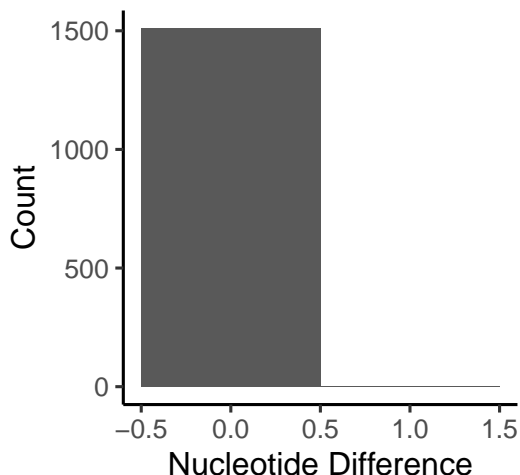
TRBV20-1*ap01

11562 sequences assigned
11540 (99.8%) exact matches, in which:
11536 unique CDR3
13 unique J



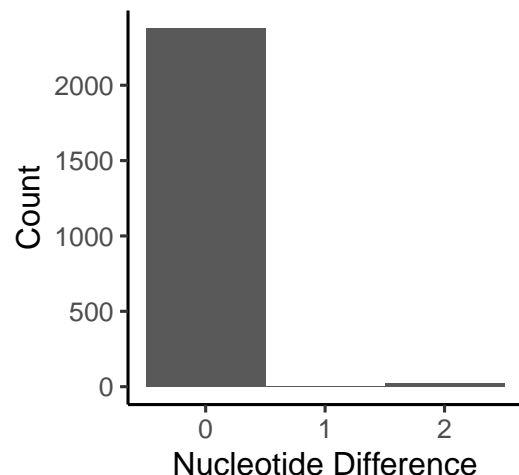
TRBV10-2*ap01

1511 sequences assigned
1510 (99.9%) exact matches, in which:
1509 unique CDR3
12 unique J



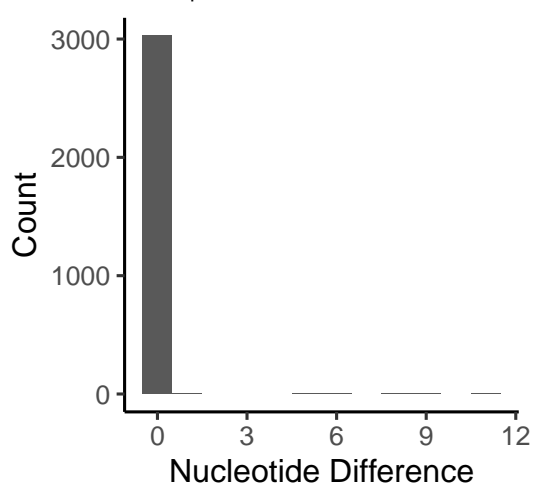
TRBV13*ap01

2400 sequences assigned
2377 (99%) exact matches, in which:
2373 unique CDR3
12 unique J



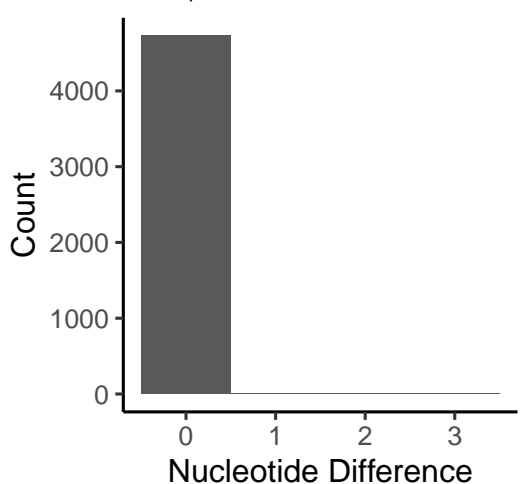
TRBV10-1*ap01

3040 sequences assigned
3028 (99.6%) exact matches, in which:
3027 unique CDR3
12 unique J



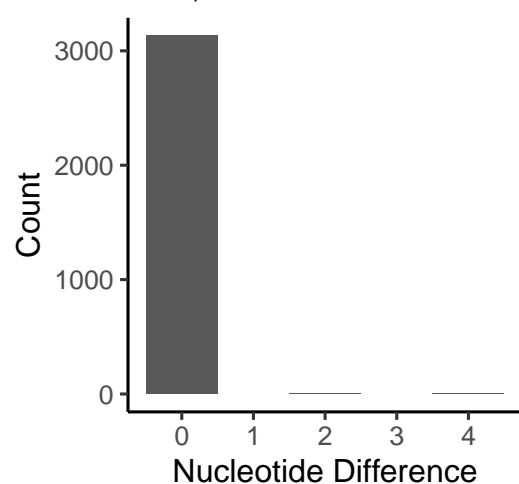
TRBV10-3*ap01

4732 sequences assigned
4728 (99.9%) exact matches, in which:
4727 unique CDR3
12 unique J



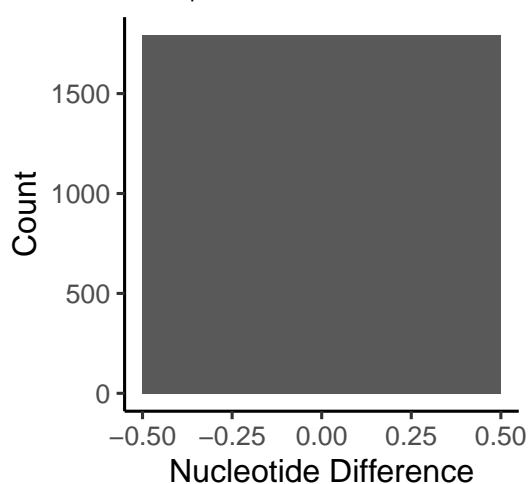
TRBV14*ap01

3134 sequences assigned
3132 (99.9%) exact matches, in which:
3132 unique CDR3
12 unique J



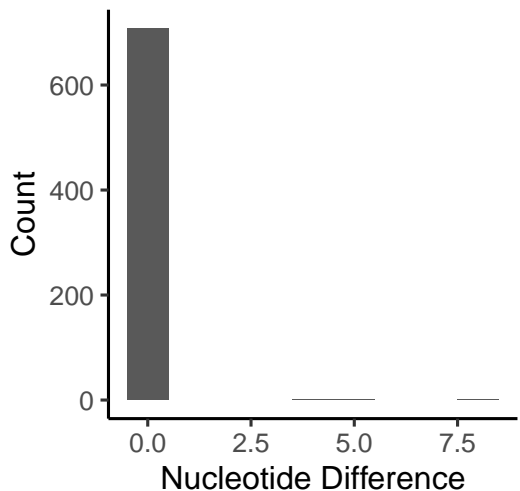
TRBV20-1*ap02

1793 sequences assigned
1793 (100%) exact matches, in which:
1793 unique CDR3
12 unique J



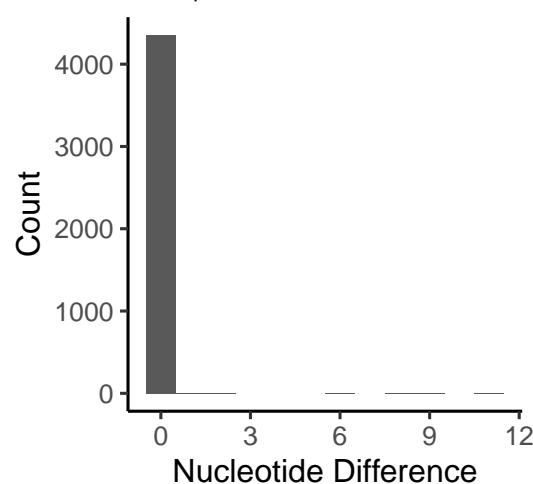
TRBV1*ap01

711 sequences assigned
708 (99.6%) exact matches, in which:
708 unique CDR3
12 unique J



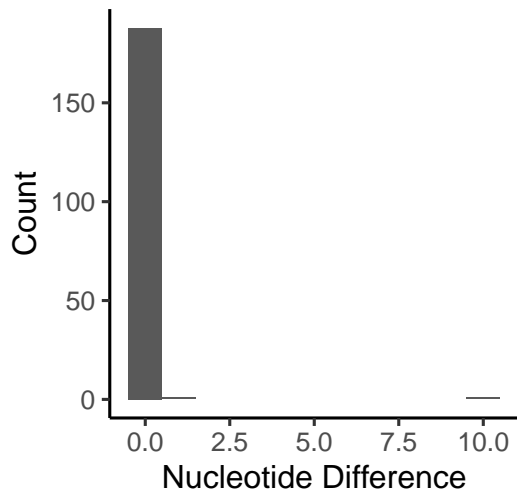
TRBV15*ap02

4363 sequences assigned
4354 (99.8%) exact matches, in which:
4353 unique CDR3
13 unique J



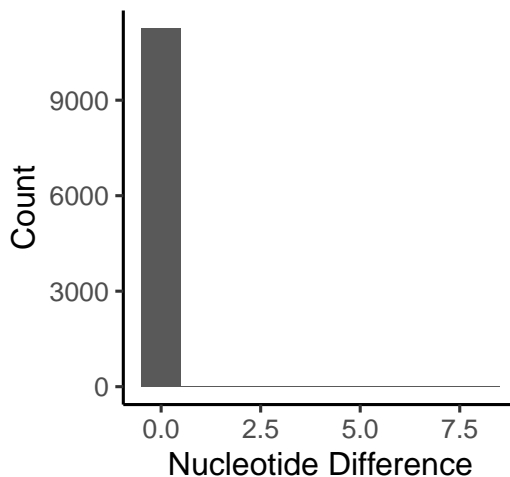
TRBV16*ap01

190 sequences assigned
188 (98.9%) exact matches, in which:
188 unique CDR3
12 unique J



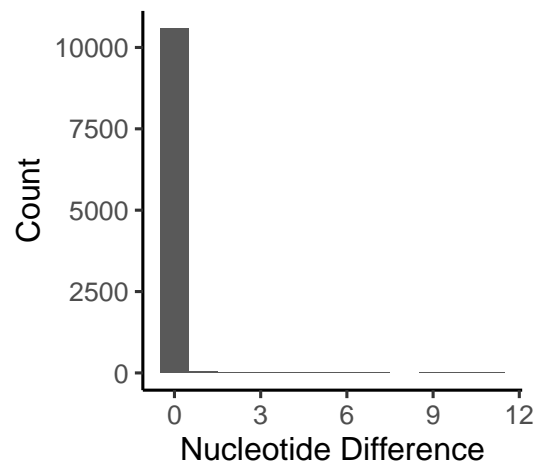
TRBV19*ap01

11293 sequences assigned
11255 (99.7%) exact matches, in which:
11253 unique CDR3
12 unique J



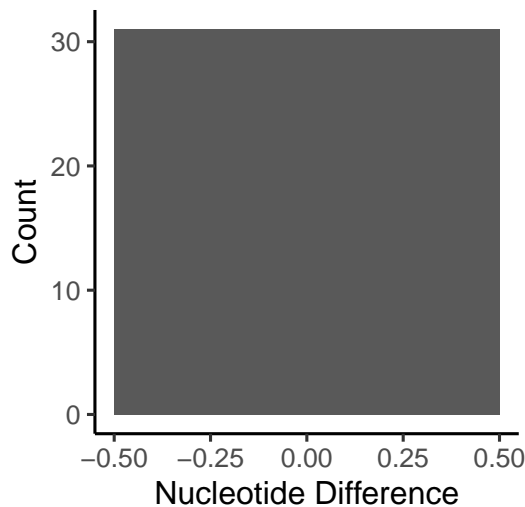
TRBV27*ap01

10648 sequences assigned
10593 (99.5%) exact matches, in which:
10560 unique CDR3
13 unique J



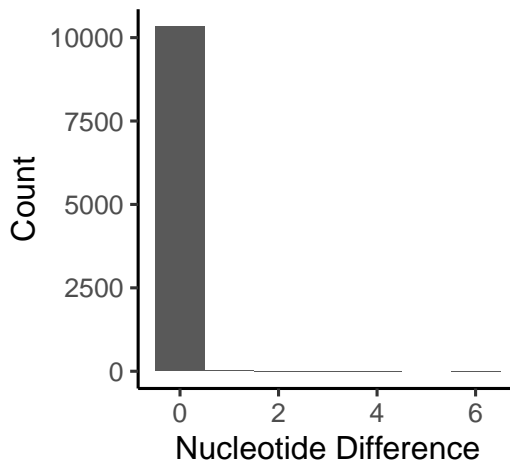
TRBV17*ap01

31 sequences assigned
31 (100%) exact matches, in which:
31 unique CDR3
9 unique J



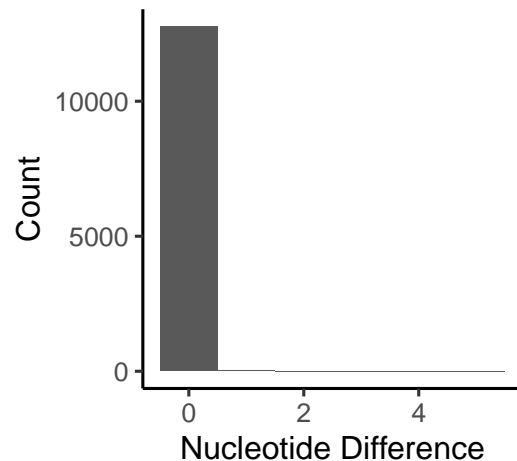
TRBV2*ap01

10374 sequences assigned
10334 (99.6%) exact matches, in which:
10306 unique CDR3
13 unique J



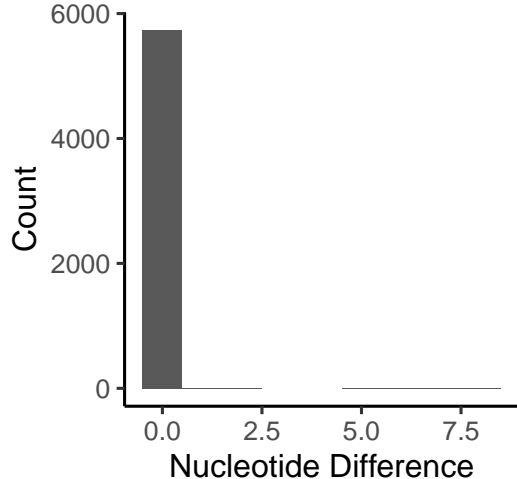
TRBV28*ap01

12798 sequences assigned
12768 (99.8%) exact matches, in which:
12763 unique CDR3
12 unique J



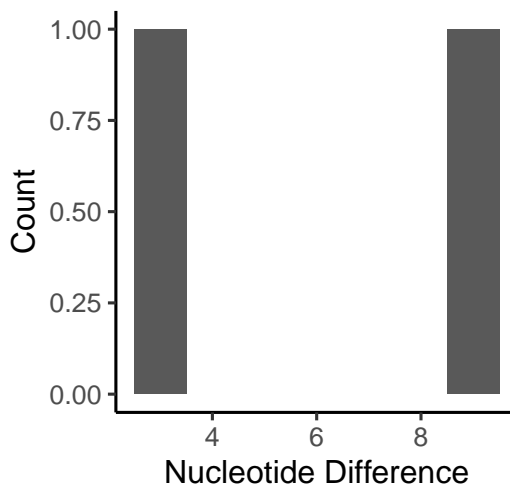
TRBV18*ap01

5745 sequences assigned
5736 (99.8%) exact matches, in which:
5735 unique CDR3
12 unique J



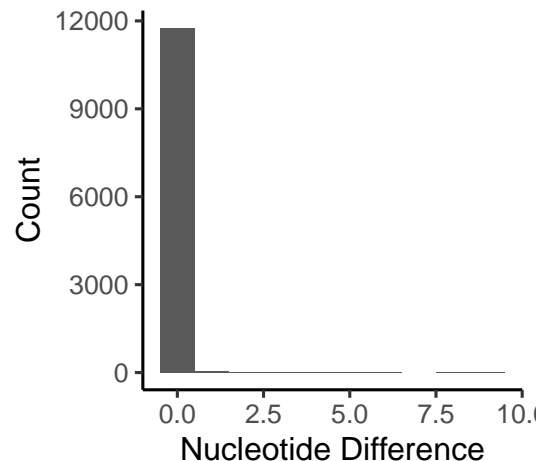
TRBV26*ap01

2 sequences assigned
No exact matches.



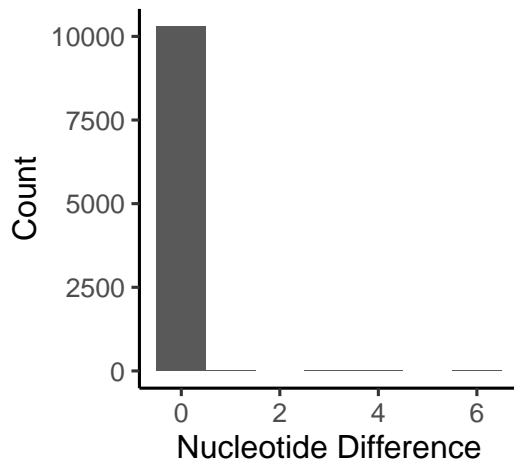
TRBV30*ap01

11815 sequences assigned
11765 (99.6%) exact matches, in which:
11725 unique CDR3
13 unique J



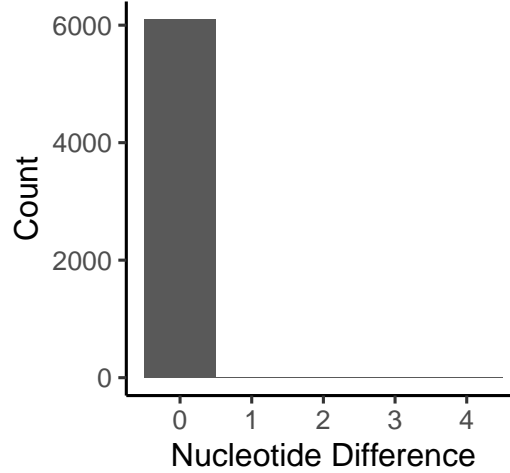
TRBV9*ap01

10324 sequences assigned
10306 (99.8%) exact matches, in which:
10304 unique CDR3
13 unique J



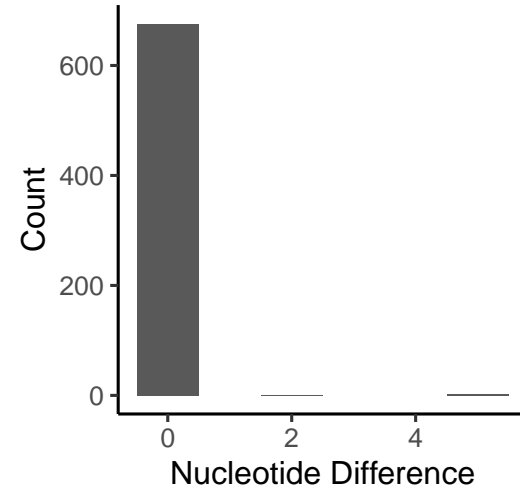
TRBV11-2*ap01

6118 sequences assigned
6098 (99.7%) exact matches, in which:
6097 unique CDR3
13 unique J



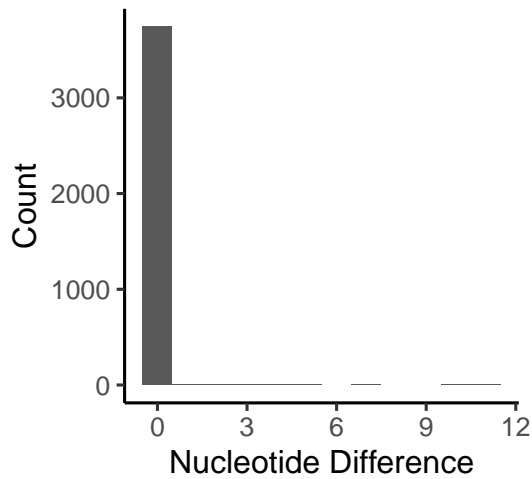
TRBV12-2*ap01

679 sequences assigned
676 (99.6%) exact matches, in which:
676 unique CDR3
12 unique J



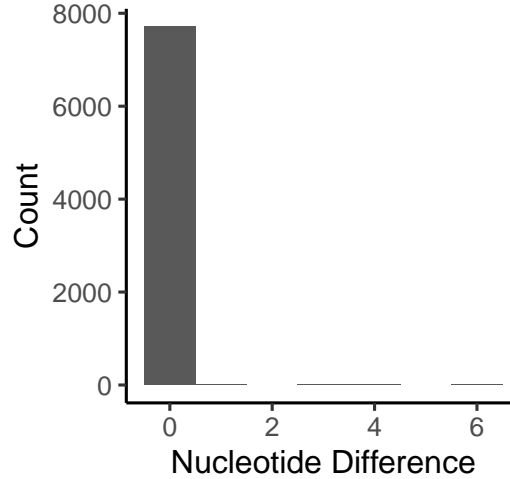
TRBV21-1*ap01

3767 sequences assigned
3743 (99.4%) exact matches, in which:
3743 unique CDR3
13 unique J



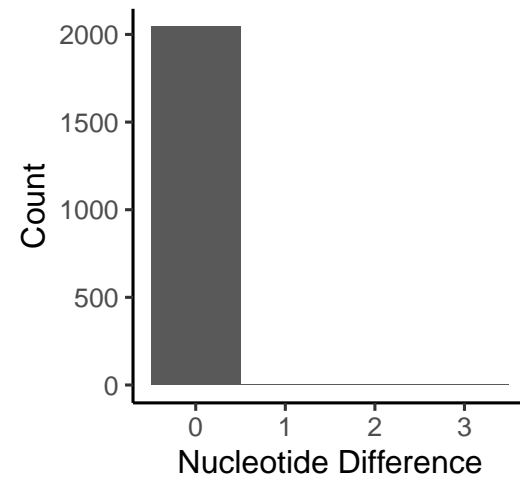
TRBV11-3*ap01

7724 sequences assigned
7710 (99.8%) exact matches, in which:
7708 unique CDR3
12 unique J



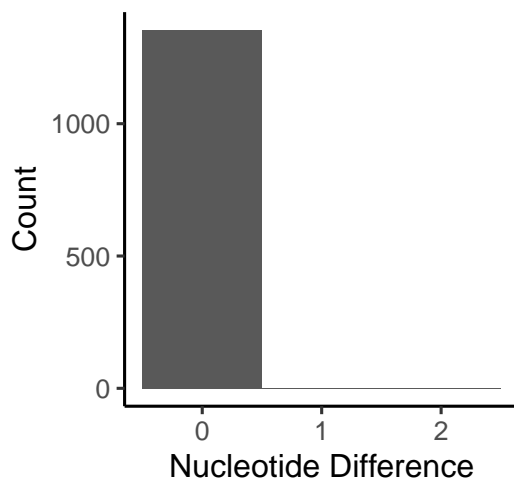
TRBV12-5*ap01

2047 sequences assigned
2044 (99.9%) exact matches, in which:
2044 unique CDR3
12 unique J



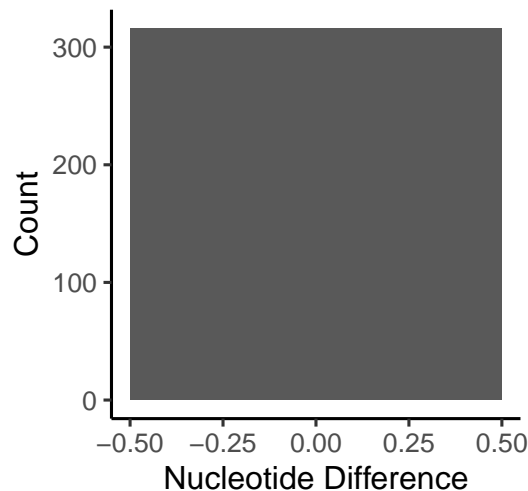
TRBV11-1*ap01

1356 sequences assigned
1354 (99.9%) exact matches, in which:
1354 unique CDR3
12 unique J



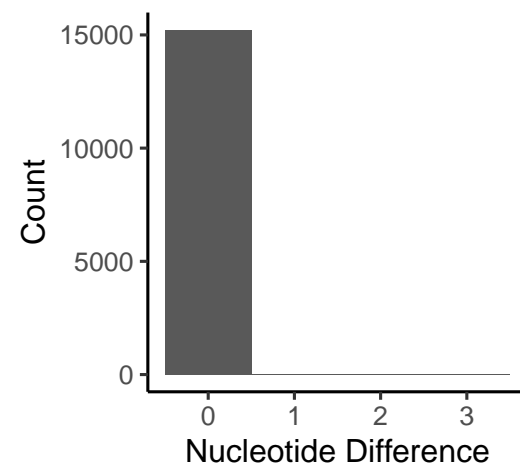
TRBV12-1*ap01

316 sequences assigned
316 (100%) exact matches, in which:
316 unique CDR3
12 unique J



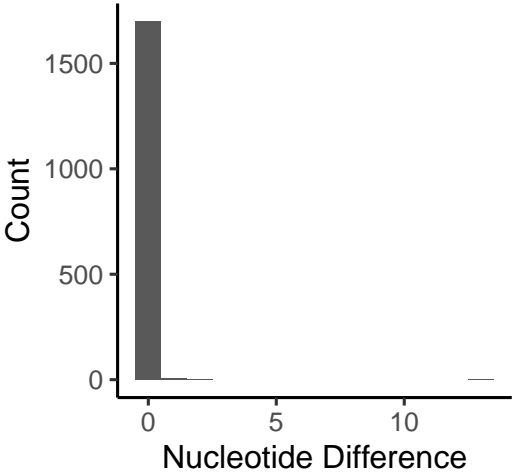
TRBV12-34*ap01

15259 sequences assigned
15226 (99.8%) exact matches, in which:
15223 unique CDR3
13 unique J



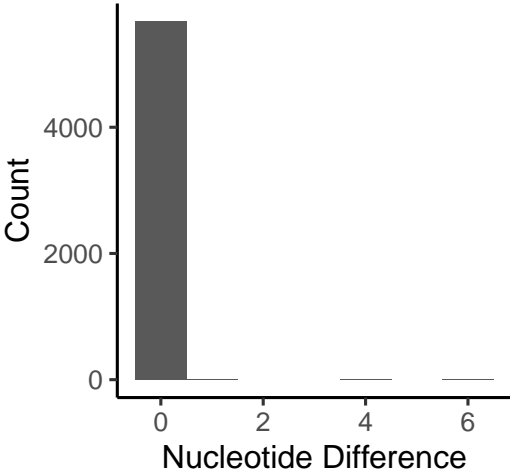
TRBV23-1*ap01

1708 sequences assigned
1699 (99.5%) exact matches, in which:
1699 unique CDR3
12 unique J



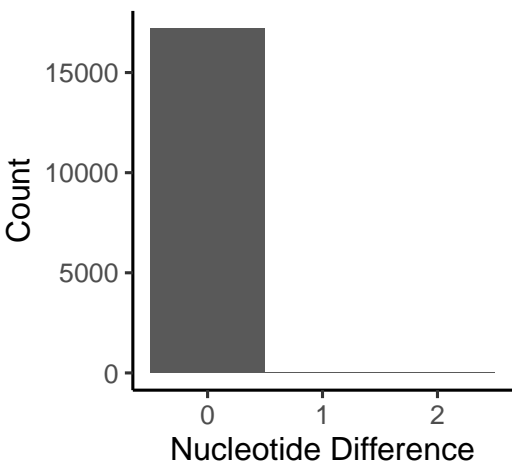
TRBV4-1*ap01

5688 sequences assigned
5677 (99.8%) exact matches, in which:
5676 unique CDR3
13 unique J



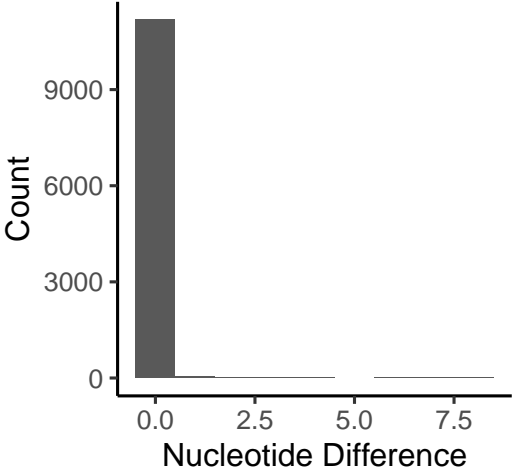
TRBV5-1*ap01

17242 sequences assigned
17218 (99.9%) exact matches, in which:
17185 unique CDR3
13 unique J



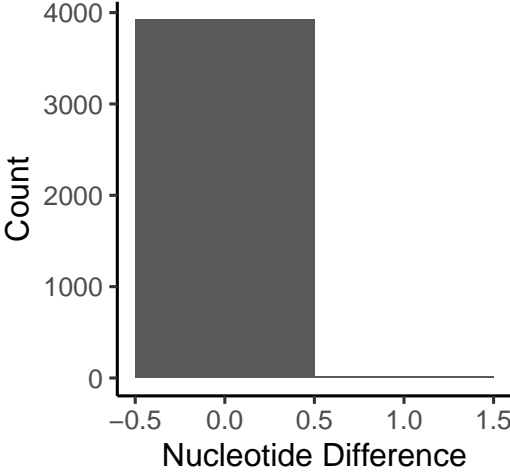
TRBV3-12*ap01

11225 sequences assigned
11180 (99.6%) exact matches, in which:
11153 unique CDR3
13 unique J



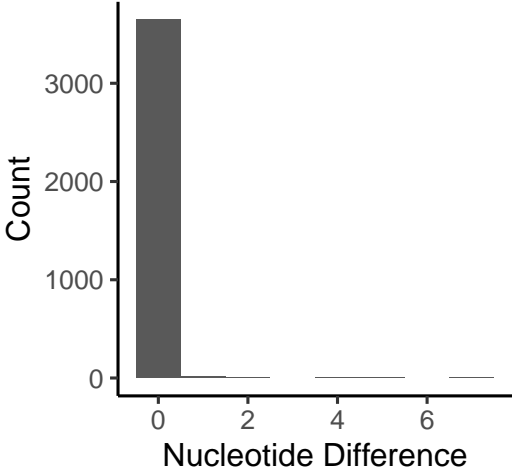
TRBV4-2*ap01

3940 sequences assigned
3922 (99.5%) exact matches, in which:
3919 unique CDR3
12 unique J



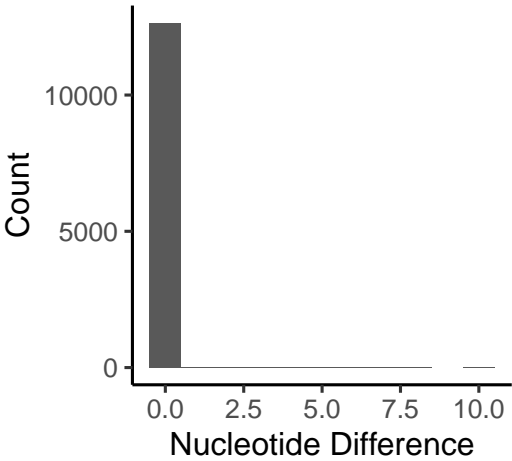
TRBV25-1*ap01

3671 sequences assigned
3647 (99.3%) exact matches, in which:
3636 unique CDR3
13 unique J



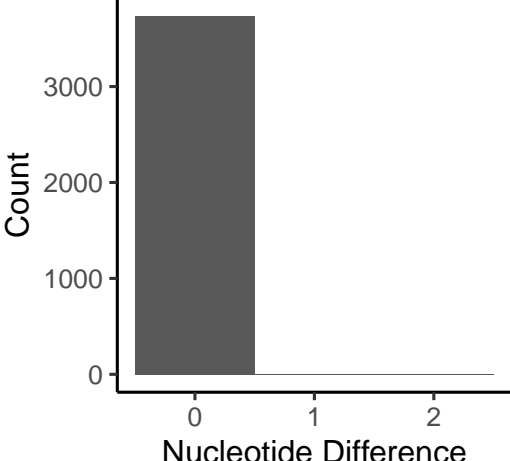
TRBV24-1*ap01

12705 sequences assigned
12651 (99.6%) exact matches, in which:
12623 unique CDR3
13 unique J



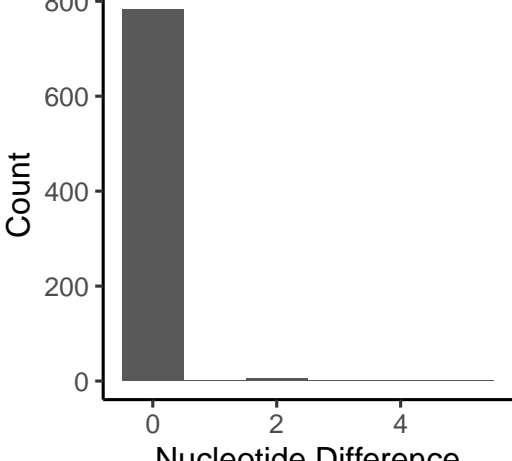
TRBV4-3*ap01

3742 sequences assigned
3735 (99.8%) exact matches, in which:
3735 unique CDR3
12 unique J



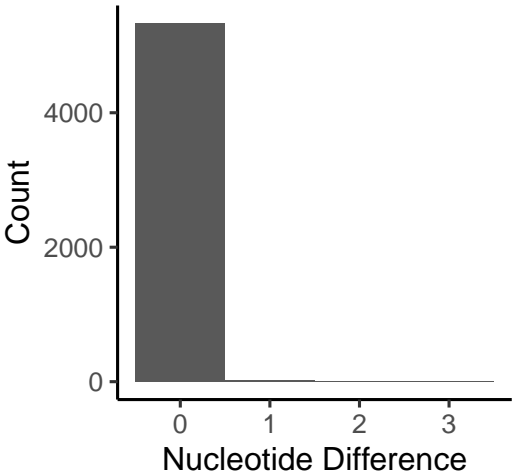
TRBV5-3*ap01

794 sequences assigned
783 (98.6%) exact matches, in which:
782 unique CDR3
12 unique J



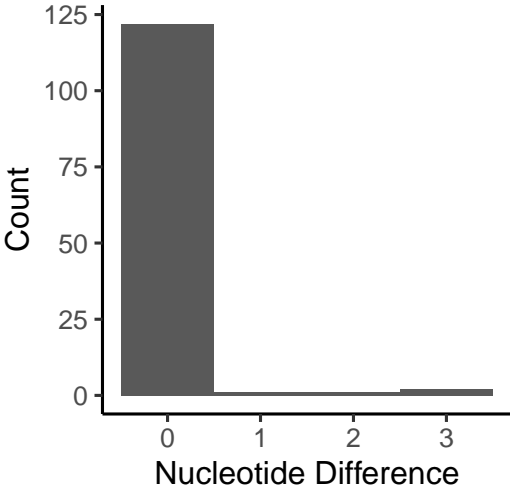
TRBV5-4*ap01

5349 sequences assigned
5329 (99.6%) exact matches, in which:
5325 unique CDR3
13 unique J



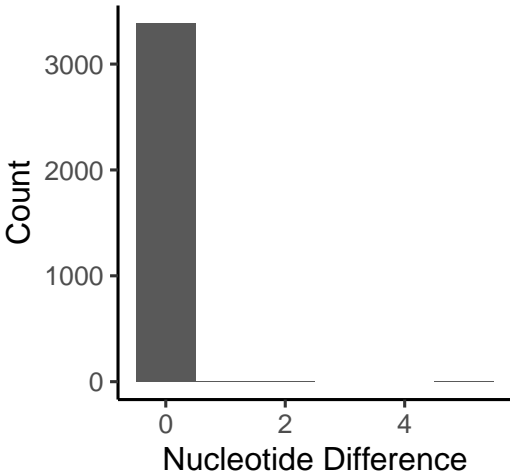
TRBV5-7*ap01

126 sequences assigned
122 (96.8%) exact matches, in which:
121 unique CDR3
12 unique J



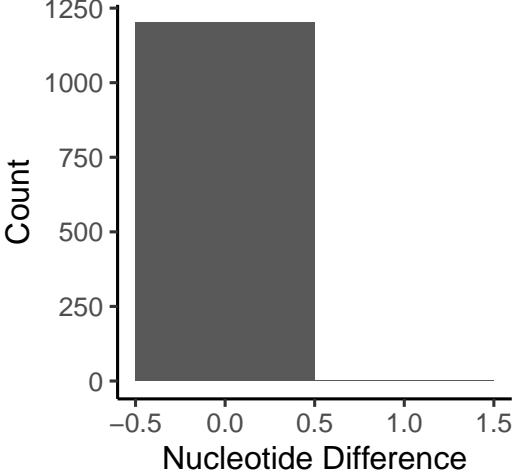
TRBV6-4*ap01

3396 sequences assigned
3384 (99.6%) exact matches, in which:
3384 unique CDR3
13 unique J



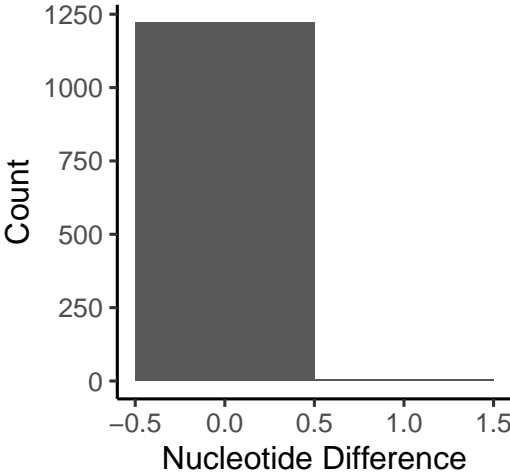
TRBV5-5*ap01

1204 sequences assigned
1201 (99.8%) exact matches, in which:
1201 unique CDR3
12 unique J



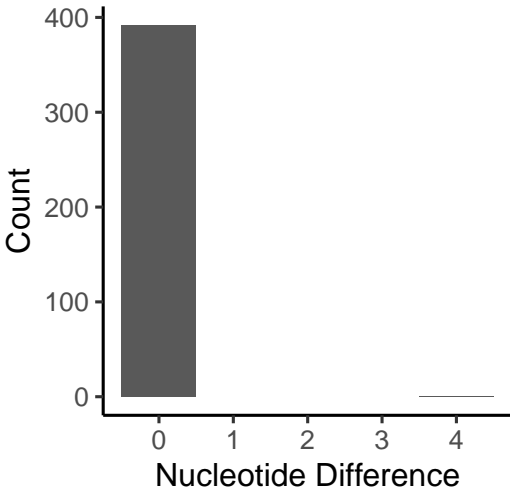
TRBV5-8*ap01

1225 sequences assigned
1221 (99.7%) exact matches, in which:
1221 unique CDR3
12 unique J



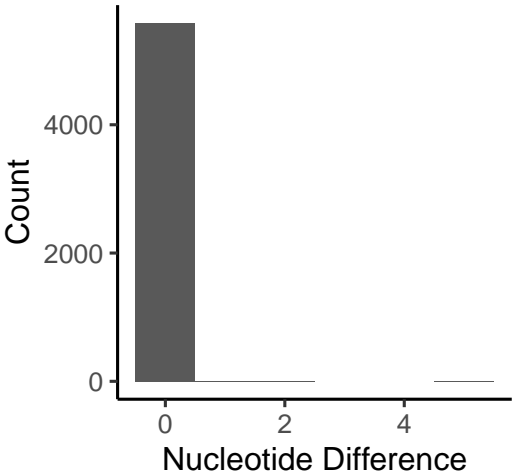
TRBV6-7*ap01

393 sequences assigned
392 (99.7%) exact matches, in which:
392 unique CDR3
12 unique J



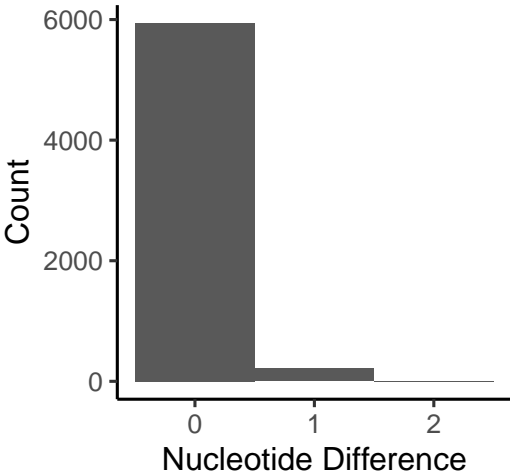
TRBV5-6*ap01

5592 sequences assigned
5586 (99.9%) exact matches, in which:
5581 unique CDR3
13 unique J



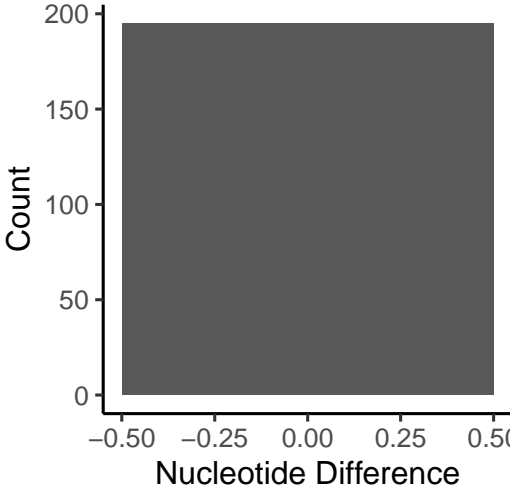
TRBV6-1*ap01

6158 sequences assigned
5942 (96.5%) exact matches, in which:
5937 unique CDR3
13 unique J



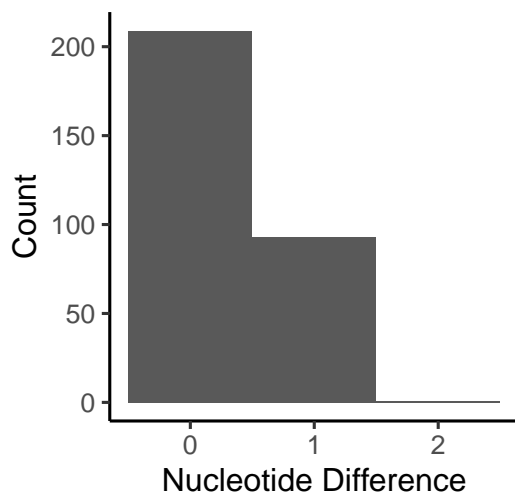
TRBV6-8*ap01

195 sequences assigned
195 (100%) exact matches, in which:
194 unique CDR3
12 unique J



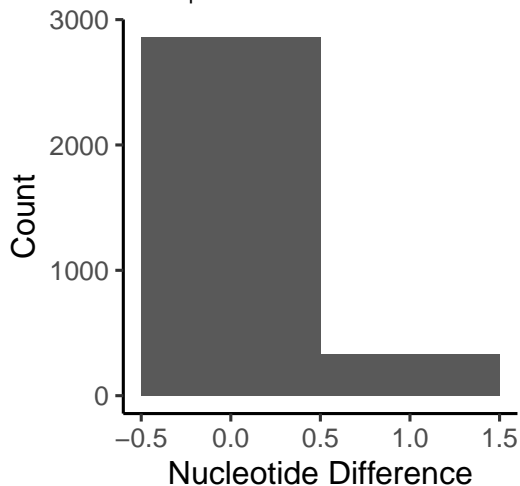
TRBV6-9*ap01

303 sequences assigned
209 (69%) exact matches, in which:
209 unique CDR3
12 unique J



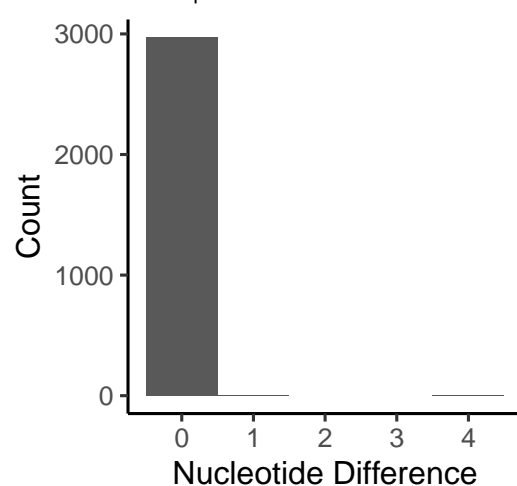
TRBV6-56*ap02

3186 sequences assigned
2858 (89.7%) exact matches, in which:
2850 unique CDR3
12 unique J



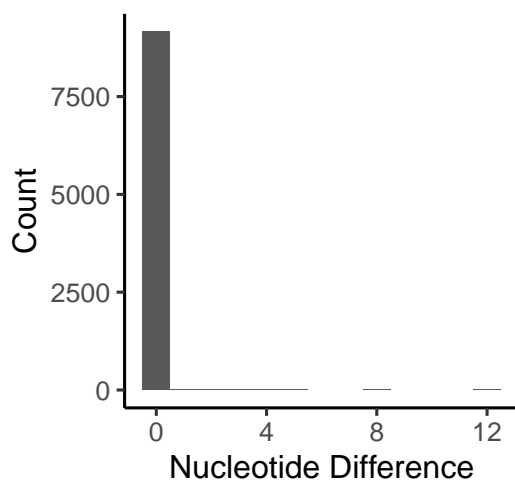
TRBV7-3*ap01

2976 sequences assigned
2971 (99.8%) exact matches, in which:
2968 unique CDR3
13 unique J



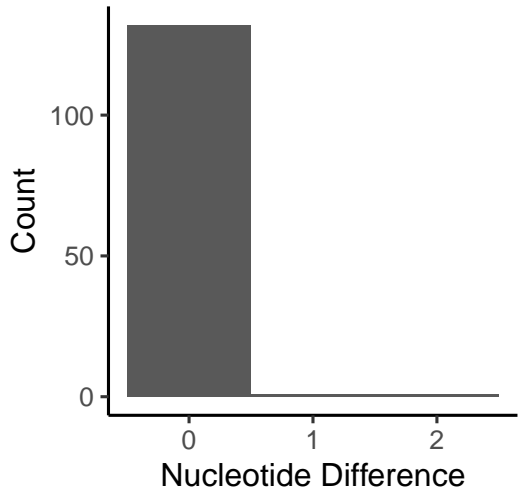
TRBV6-23*ap01

9185 sequences assigned
9158 (99.7%) exact matches, in which:
9140 unique CDR3
13 unique J



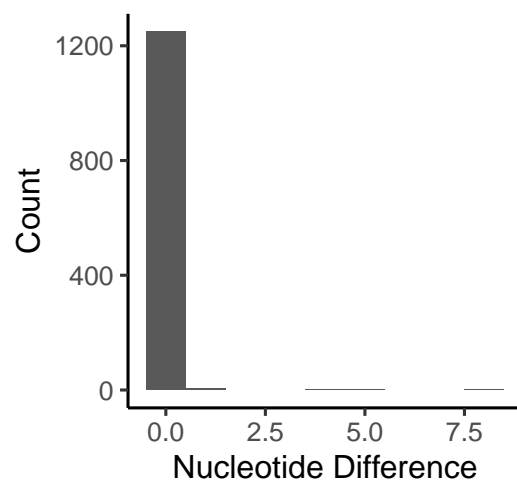
TRBV7-1*ap01_G291C_

134 sequences assigned
132 (98.5%) exact matches, in which:
132 unique CDR3
12 unique J



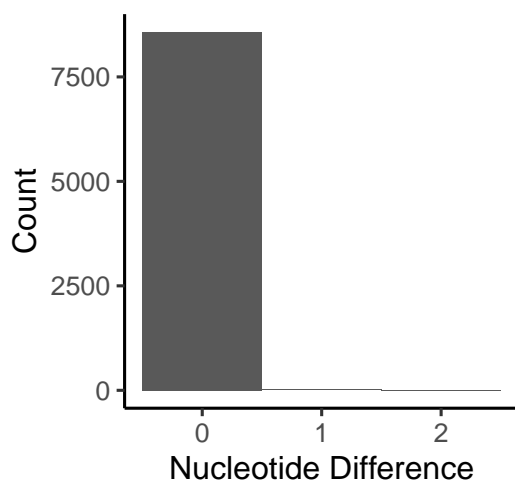
TRBV7-3*ap01_G292T

1257 sequences assigned
1249 (99.4%) exact matches, in which:
1249 unique CDR3
12 unique J



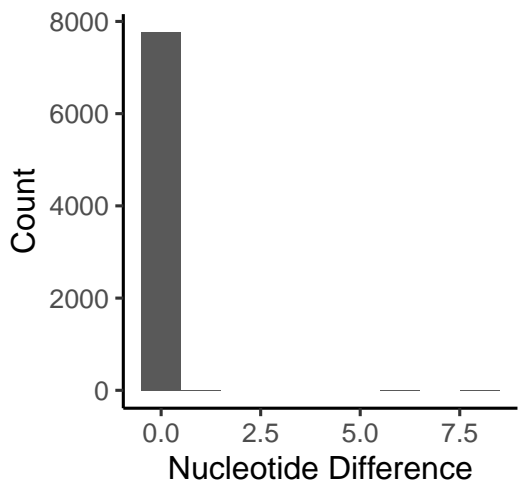
TRBV6-56*ap01

8591 sequences assigned
8573 (99.8%) exact matches, in which:
8566 unique CDR3
13 unique J



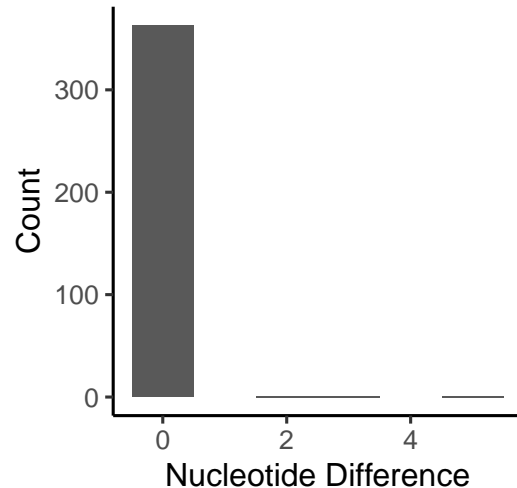
TRBV7-2*ap01

7785 sequences assigned
7770 (99.8%) exact matches, in which:
7769 unique CDR3
12 unique J



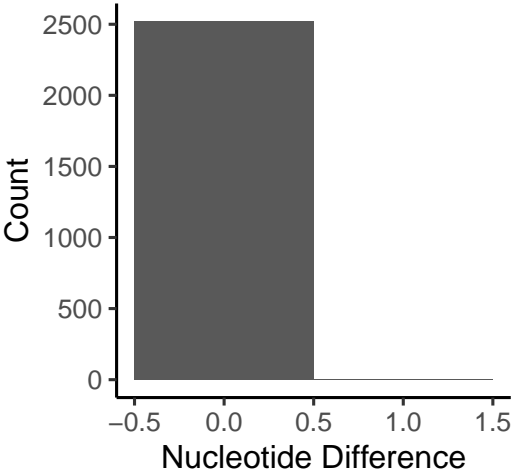
TRBV7-4*ap01

366 sequences assigned
363 (99.2%) exact matches, in which:
363 unique CDR3
12 unique J



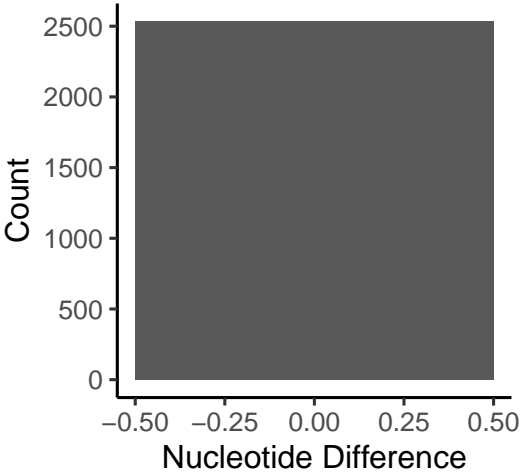
TRBV7-6*ap01

2527 sequences assigned
2520 (99.7%) exact matches, in which:
2519 unique CDR3
12 unique J



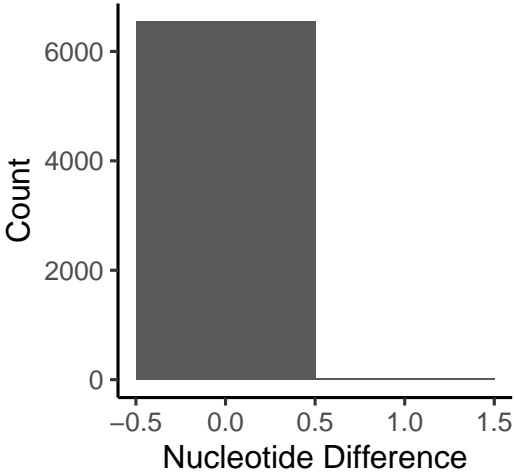
TRBV7-8*ap01

2534 sequences assigned
2534 (100%) exact matches, in which:
2534 unique CDR3
12 unique J



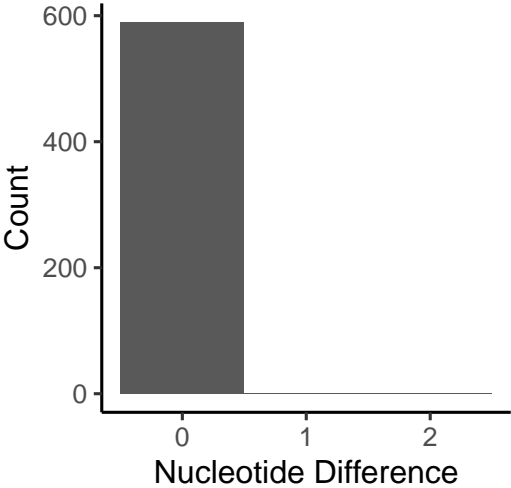
TRBV29-1*ap01

6581 sequences assigned
6549 (99.5%) exact matches, in which:
6527 unique CDR3
13 unique J



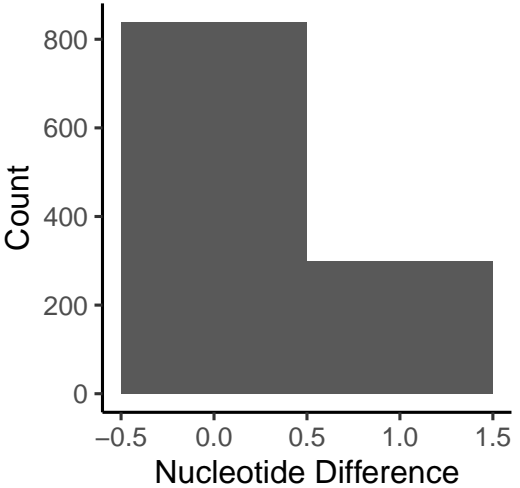
TRBV7-7*ap01

592 sequences assigned
590 (99.7%) exact matches, in which:
590 unique CDR3
12 unique J



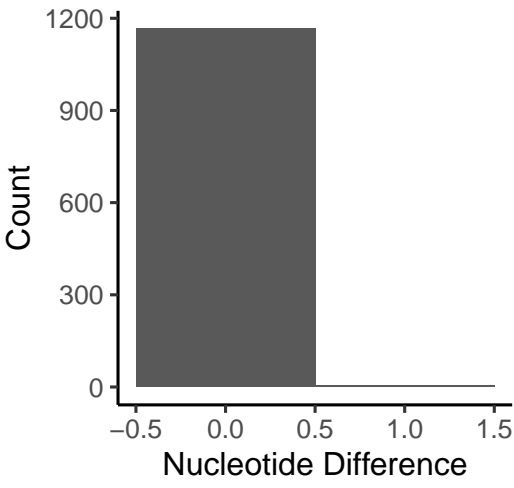
TRBV7-8*ap03

1139 sequences assigned
839 (73.7%) exact matches, in which:
839 unique CDR3
12 unique J



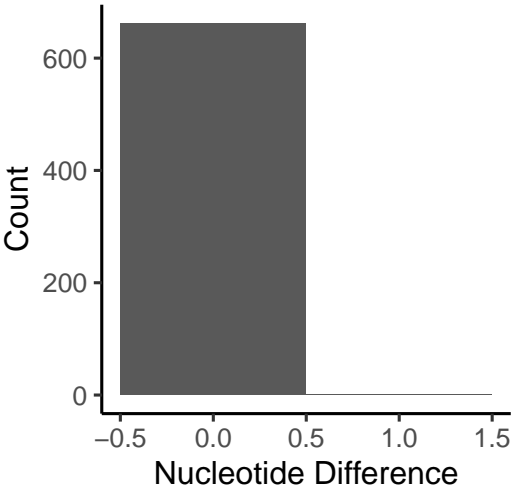
TRBV29-1*ap02

1170 sequences assigned
1166 (99.7%) exact matches, in which:
1163 unique CDR3
12 unique J



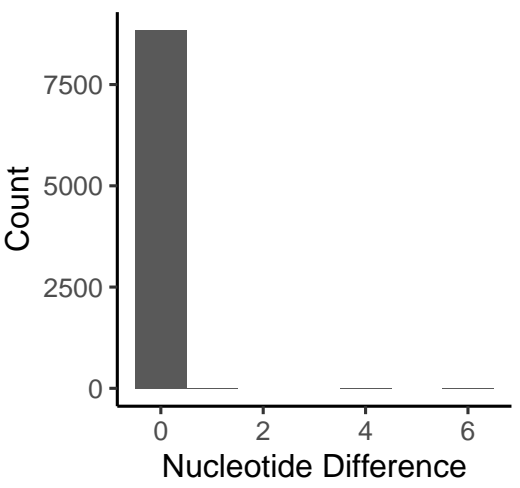
TRBV7-7*ap01_C315T

663 sequences assigned
662 (99.8%) exact matches, in which:
662 unique CDR3
12 unique J

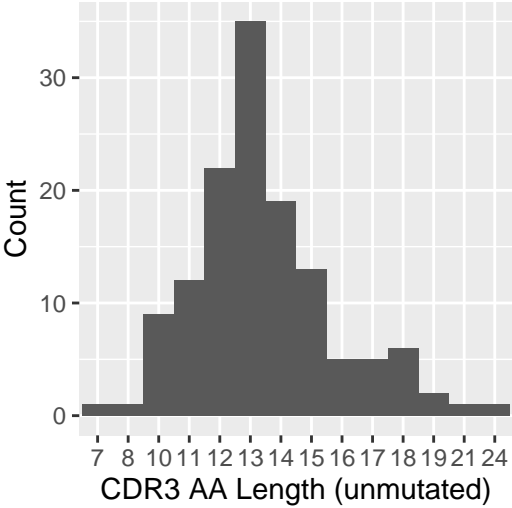


TRBV7-9*ap01

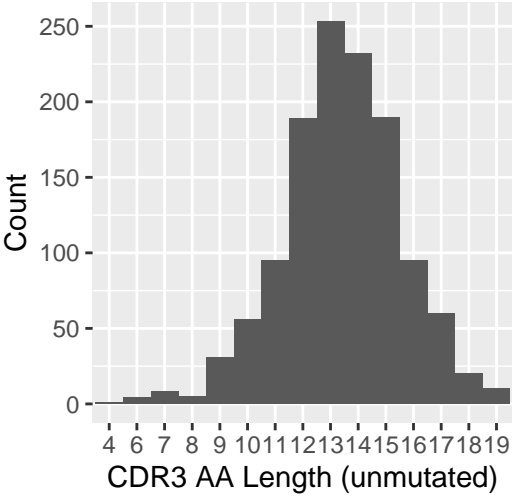
8863 sequences assigned
8846 (99.8%) exact matches, in which:
8843 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-3*ap01_G292T



TRBV7-7*ap01_C315T

