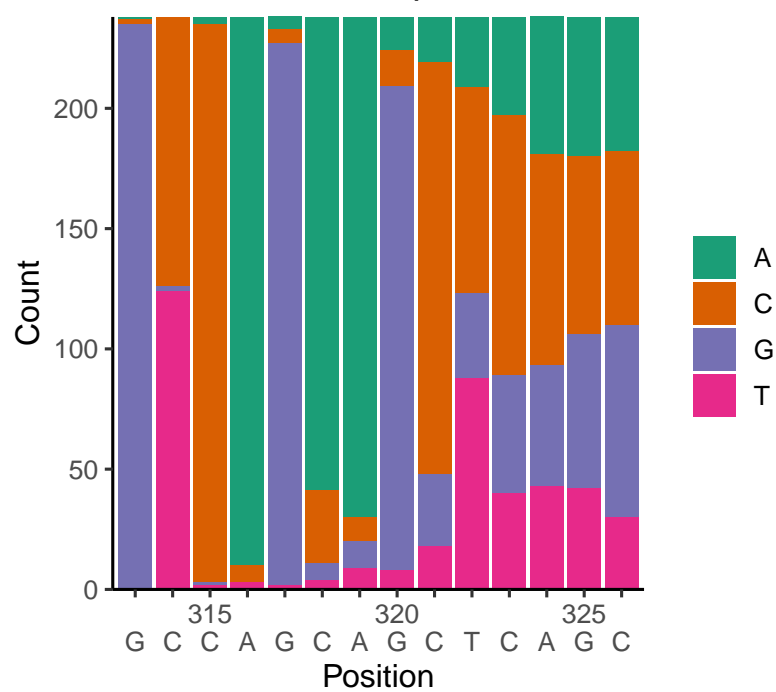
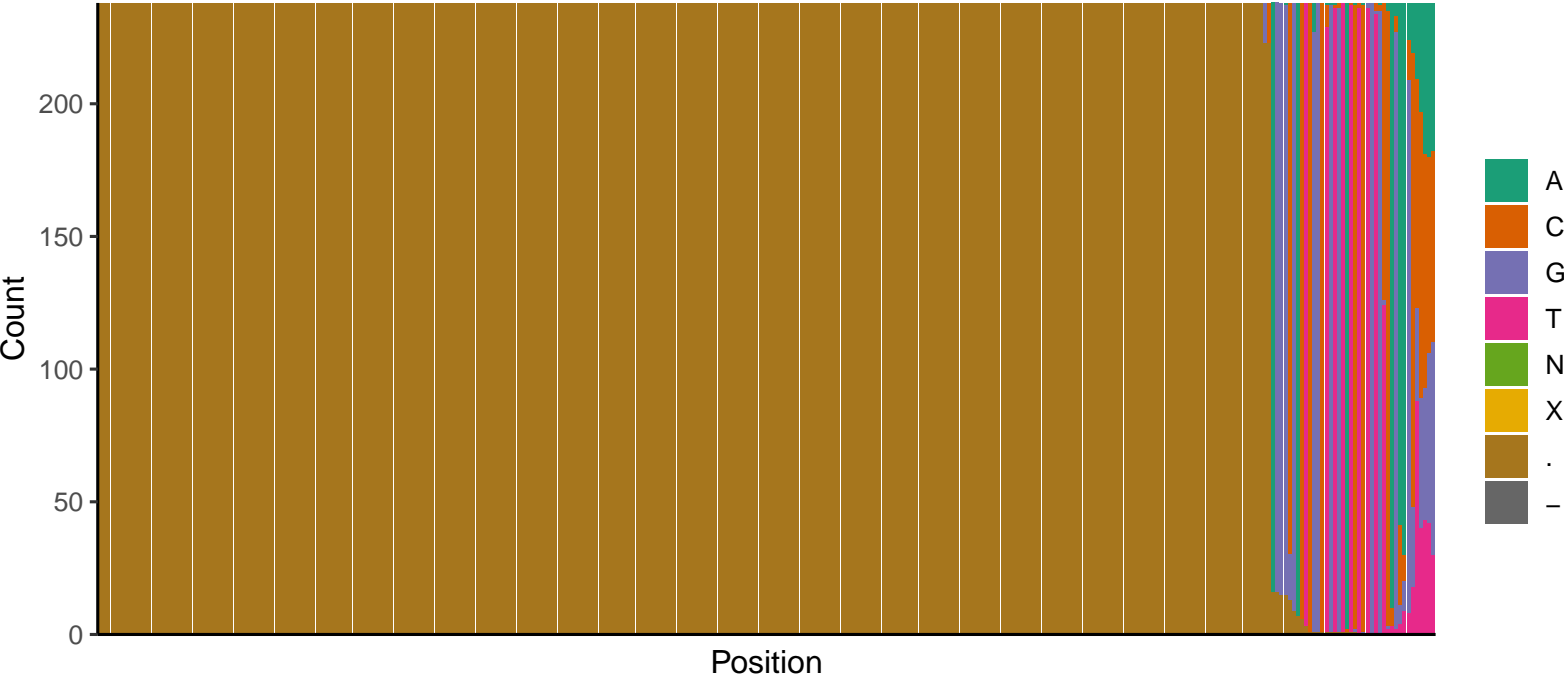


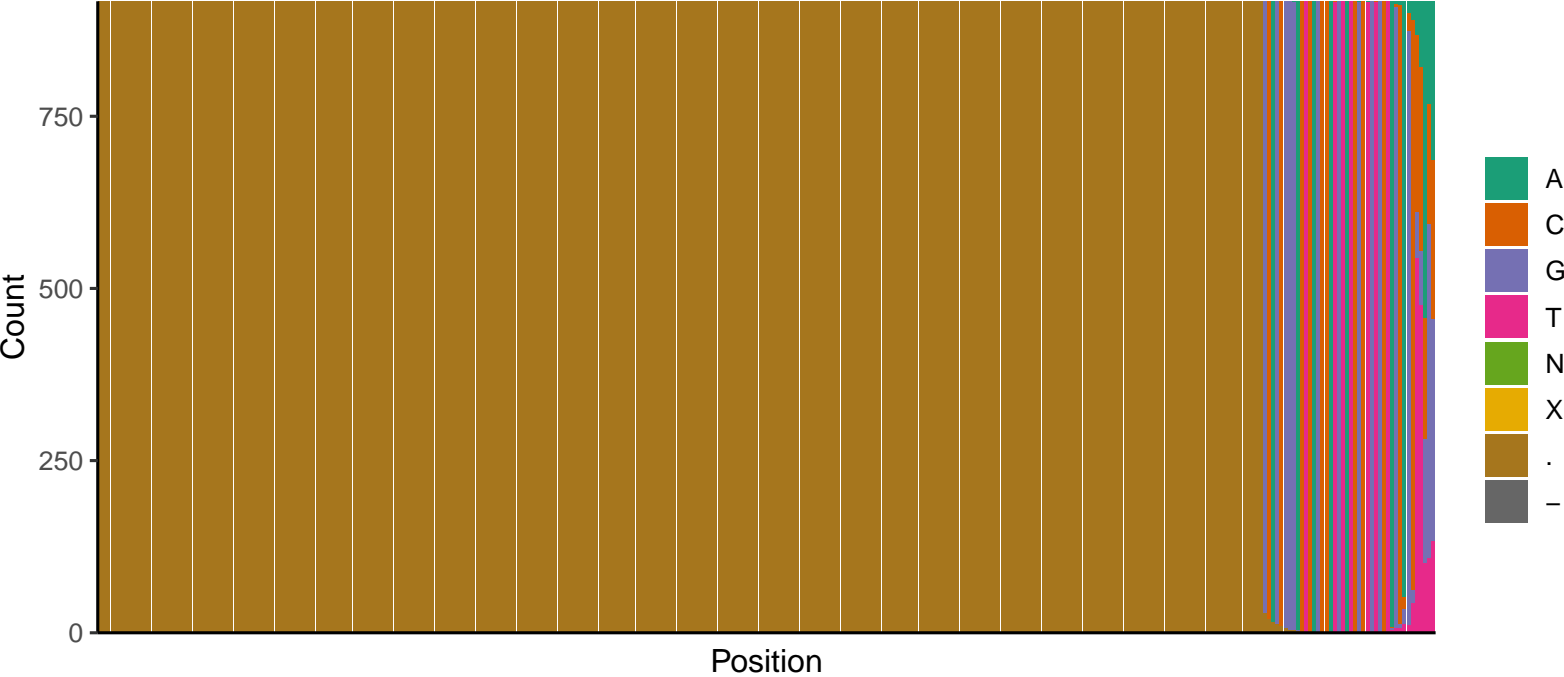
Gene TRBV7-1*ap01_T296C



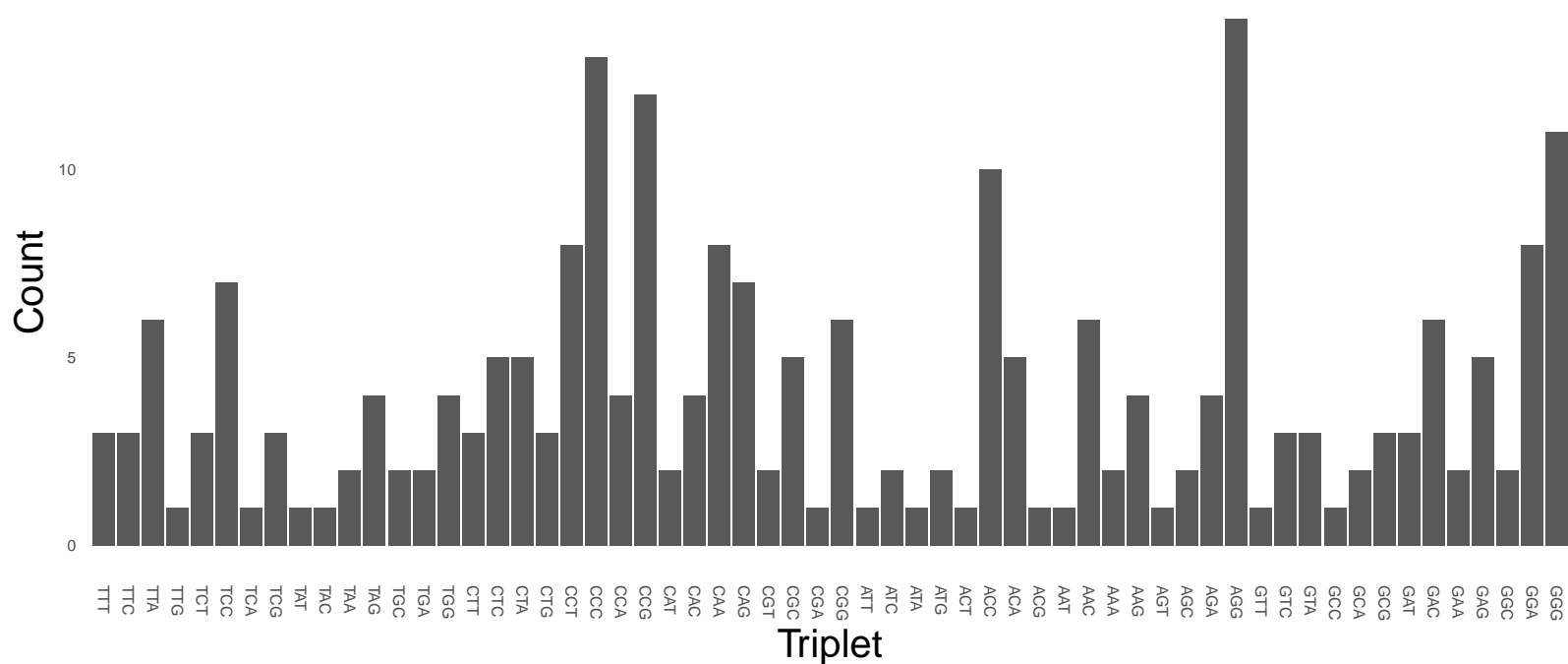
Gene TRBV7-1*ap01_T296C



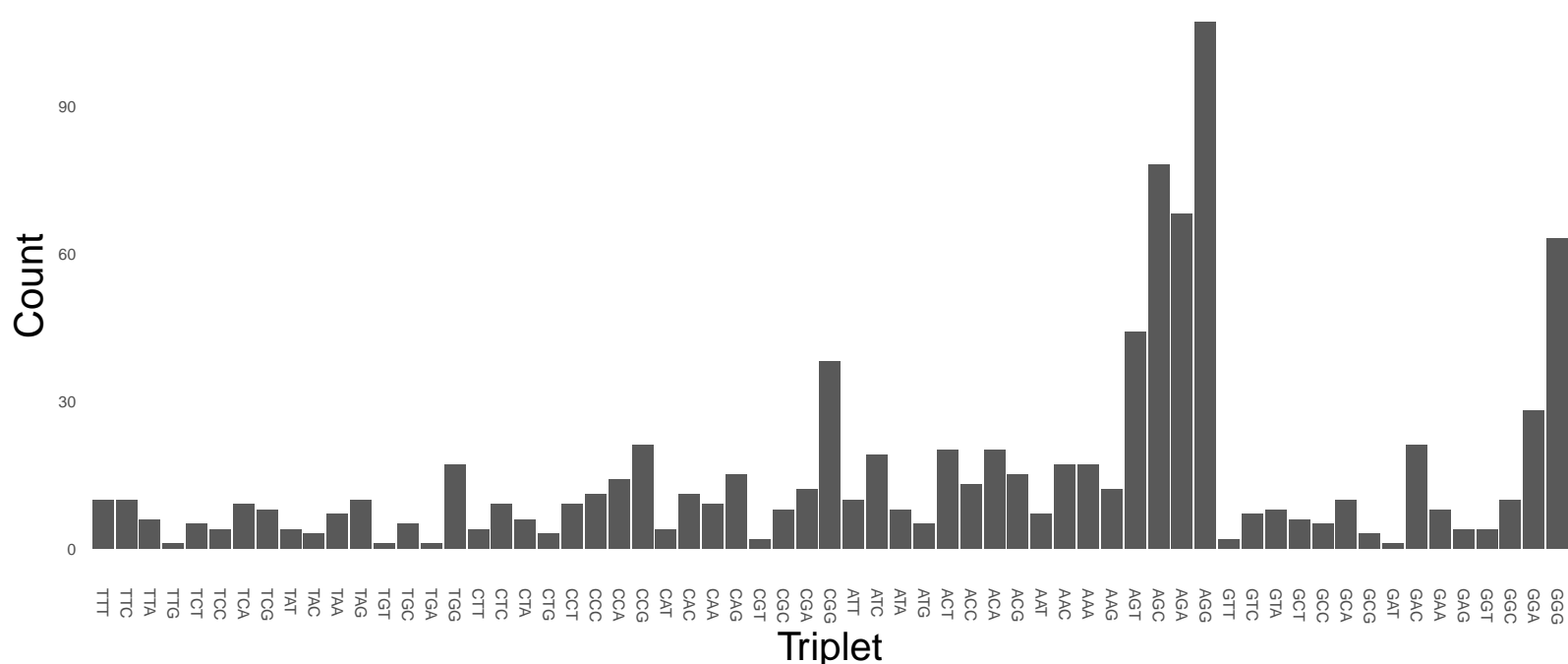
Gene TRBV7-7*ap01_C315T



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

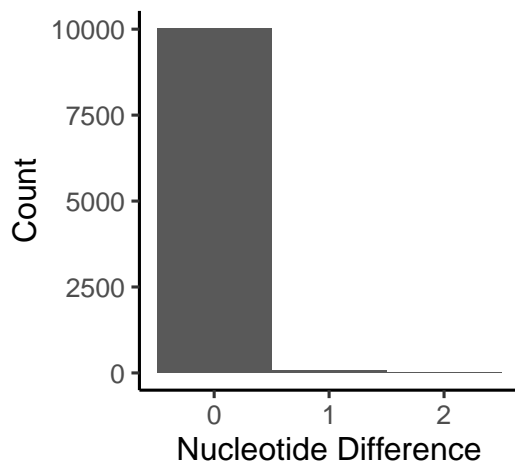


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



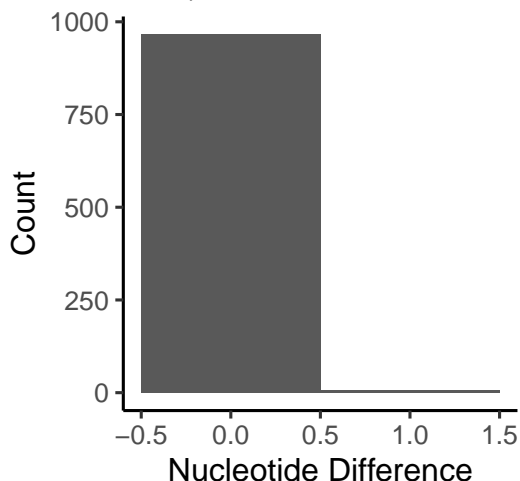
TRBV20-1*ap01

10118 sequences assigned
10030 (99.1%) exact matches, in which:
9937 unique CDR3
13 unique J



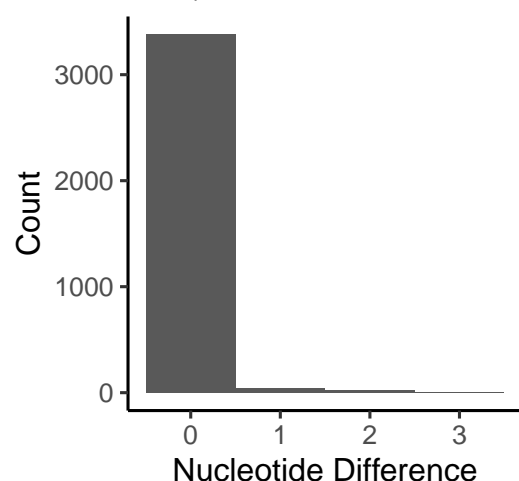
TRBV10-2*ap01

974 sequences assigned
966 (99.2%) exact matches, in which:
958 unique CDR3
13 unique J



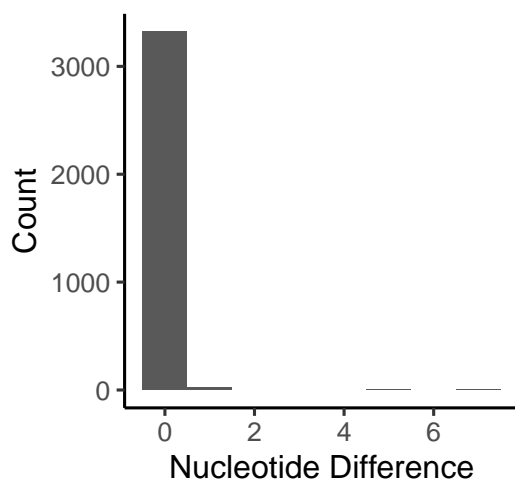
TRBV13*ap01

3448 sequences assigned
3380 (98%) exact matches, in which:
3322 unique CDR3
13 unique J



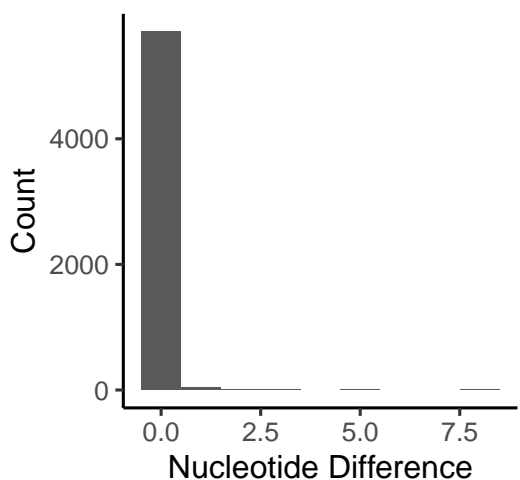
TRBV10-1*ap01

3347 sequences assigned
3321 (99.2%) exact matches, in which:
3273 unique CDR3
13 unique J



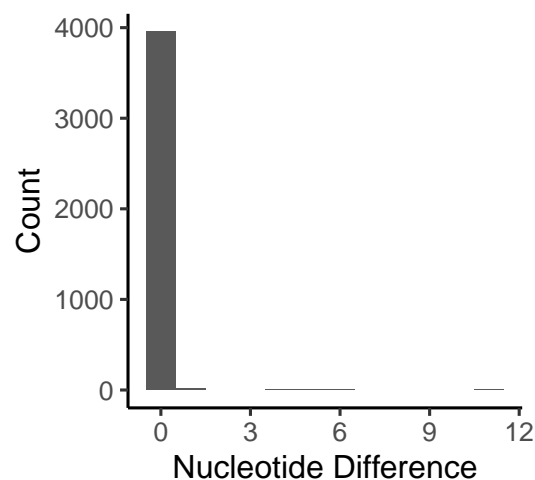
TRBV10-3*ap01

5762 sequences assigned
5705 (99%) exact matches, in which:
5632 unique CDR3
13 unique J



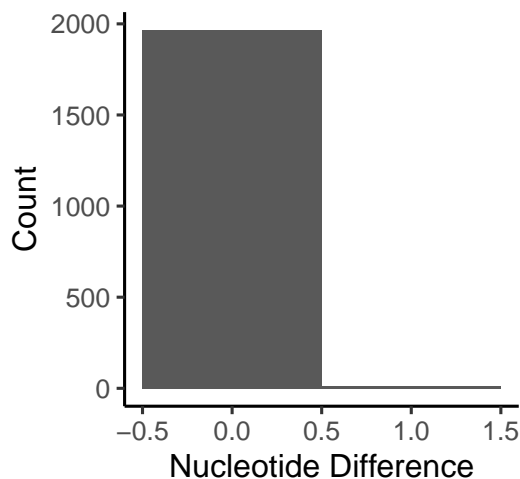
TRBV14*ap01

3977 sequences assigned
3955 (99.4%) exact matches, in which:
3921 unique CDR3
13 unique J



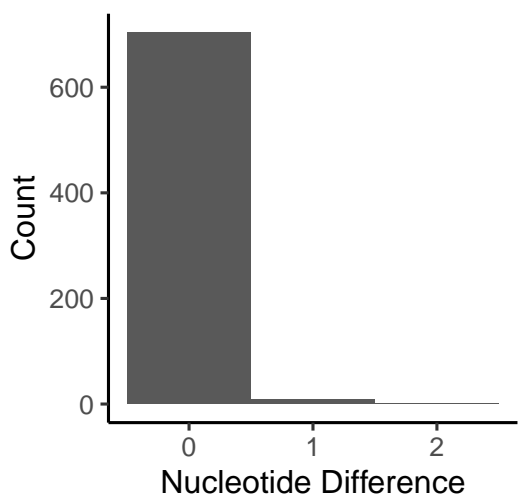
TRBV20-1*ap02

1978 sequences assigned
1966 (99.4%) exact matches, in which:
1948 unique CDR3
13 unique J



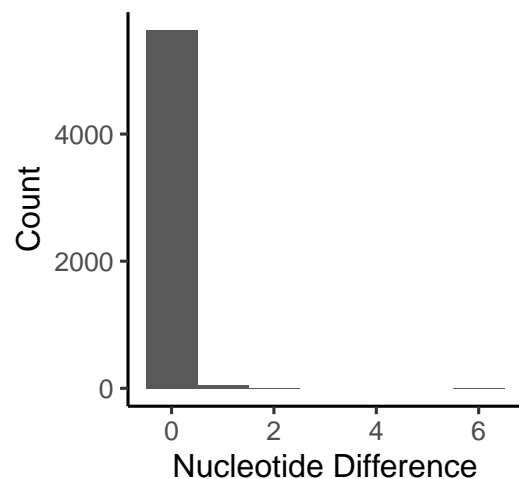
TRBV1*ap01

714 sequences assigned
704 (98.6%) exact matches, in which:
695 unique CDR3
13 unique J



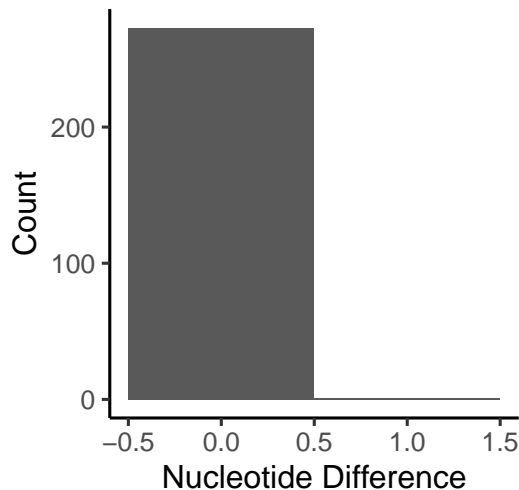
TRBV15*ap02

5692 sequences assigned
5636 (99%) exact matches, in which:
5525 unique CDR3
13 unique J



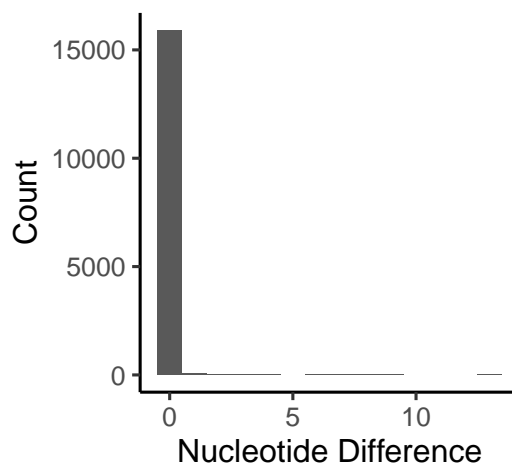
TRBV16*ap01

274 sequences assigned
273 (99.6%) exact matches, in which:
271 unique CDR3
13 unique J



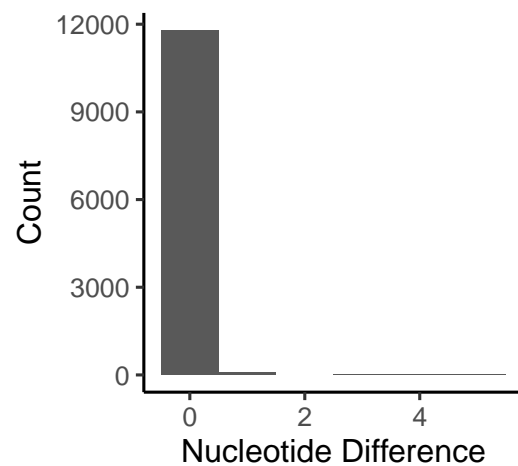
TRBV19*ap01

16022 sequences assigned
15911 (99.3%) exact matches, in which:
15804 unique CDR3
13 unique J



TRBV28*ap01

11887 sequences assigned
11797 (99.2%) exact matches, in which:
11673 unique CDR3
13 unique J



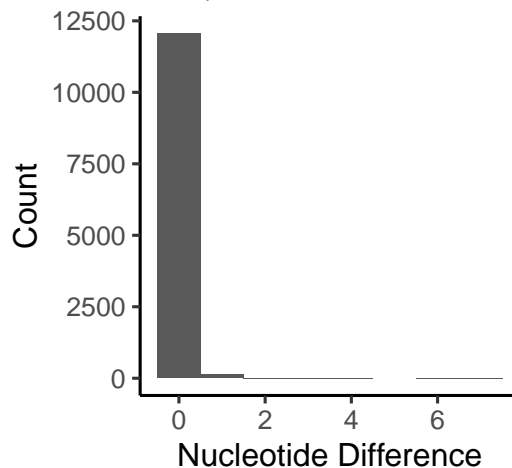
TRBV17*ap01

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



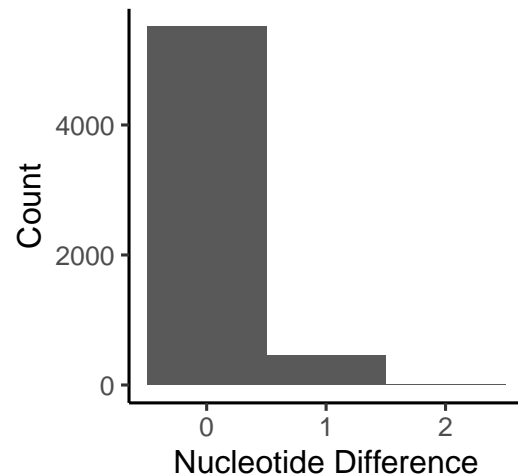
TRBV2*ap01

12195 sequences assigned
12059 (98.9%) exact matches, in which:
11878 unique CDR3
13 unique J



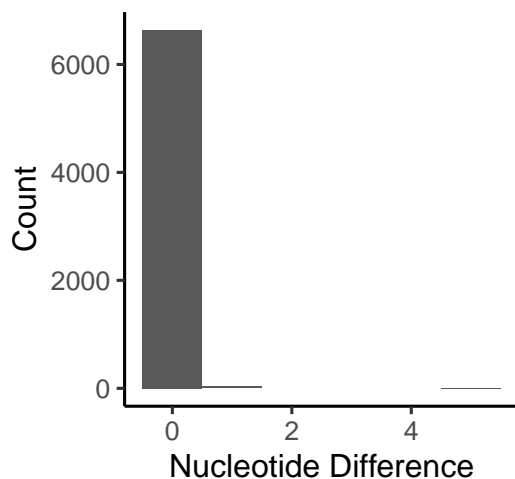
TRBV30*ap01

5963 sequences assigned
5511 (92.4%) exact matches, in which:
5441 unique CDR3
13 unique J



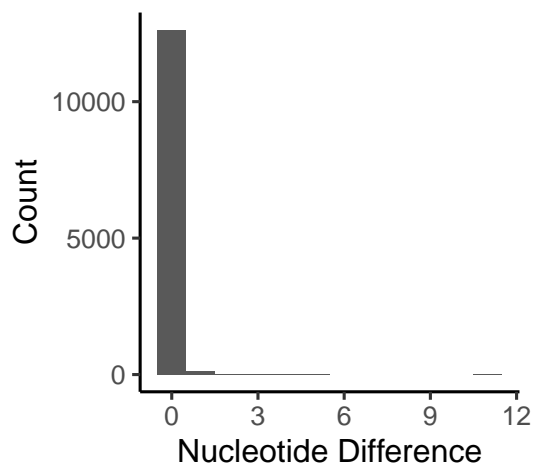
TRBV18*ap01

6674 sequences assigned
6637 (99.4%) exact matches, in which:
6598 unique CDR3
13 unique J



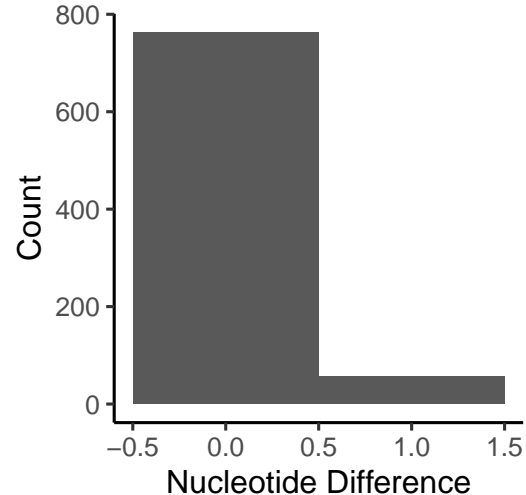
TRBV27*ap01

12766 sequences assigned
12634 (99%) exact matches, in which:
12417 unique CDR3
13 unique J



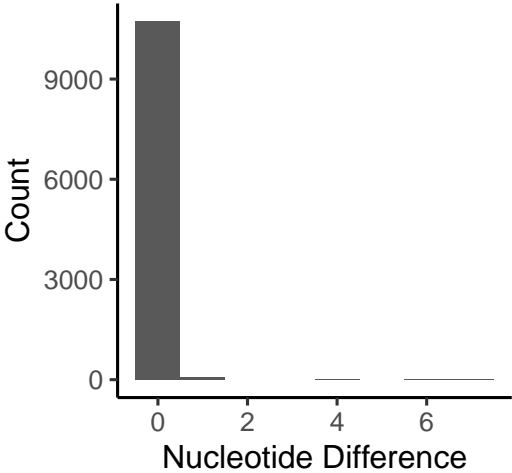
TRBV30*ap03

820 sequences assigned
763 (93%) exact matches, in which:
751 unique CDR3
13 unique J



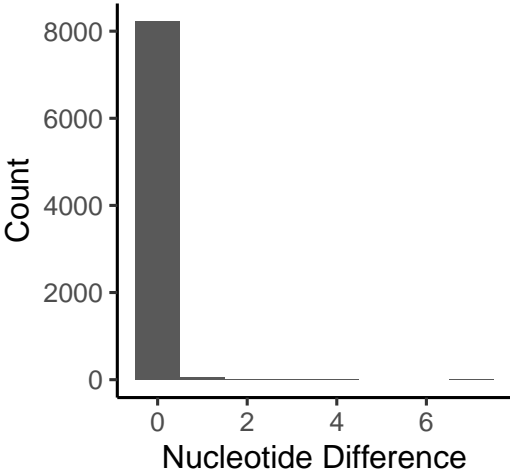
TRBV9*ap01

10807 sequences assigned
10726 (99.3%) exact matches, in which:
10597 unique CDR3
13 unique J



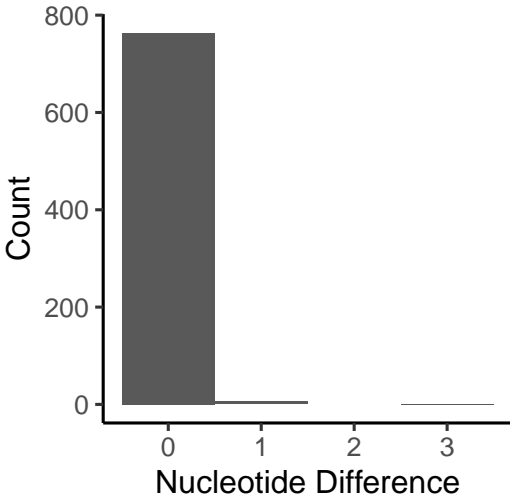
TRBV11-2*ap01

8290 sequences assigned
8224 (99.2%) exact matches, in which:
8120 unique CDR3
13 unique J



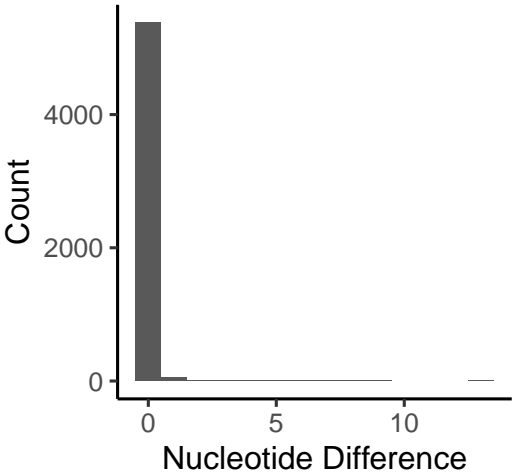
TRBV12-2*ap01

771 sequences assigned
764 (99.1%) exact matches, in which:
757 unique CDR3
13 unique J



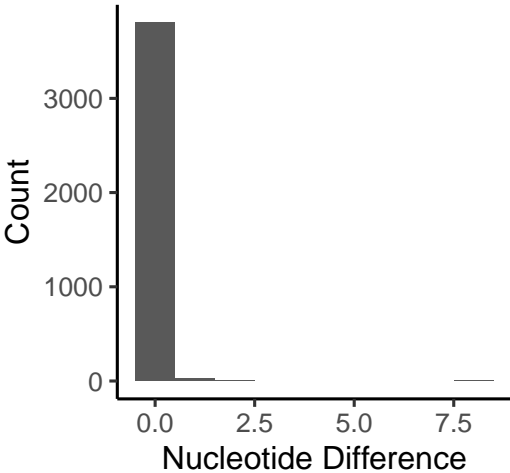
TRBV21-1*ap01

5460 sequences assigned
5379 (98.5%) exact matches, in which:
5333 unique CDR3
13 unique J



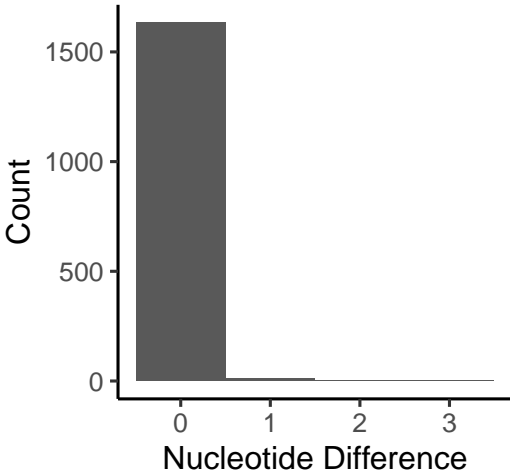
TRBV11-3*ap01

3836 sequences assigned
3803 (99.1%) exact matches, in which:
3766 unique CDR3
13 unique J



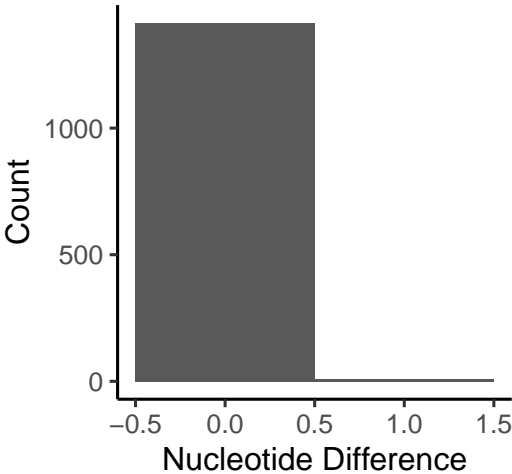
TRBV12-5*ap01

1649 sequences assigned
1633 (99%) exact matches, in which:
1607 unique CDR3
13 unique J



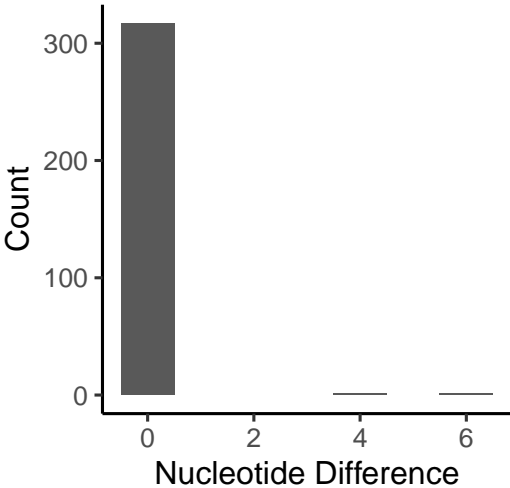
TRBV11-1*ap01

1423 sequences assigned
1415 (99.4%) exact matches, in which:
1398 unique CDR3
13 unique J



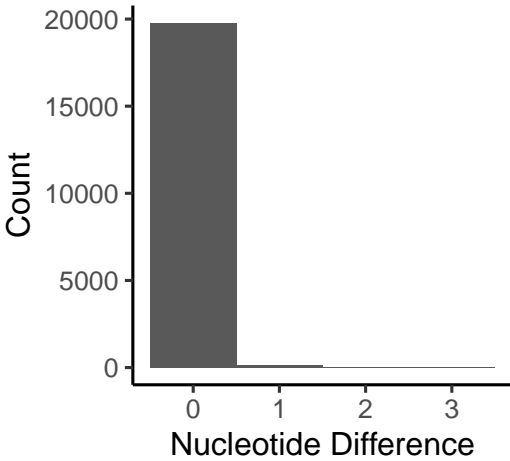
TRBV12-1*ap01

319 sequences assigned
317 (99.4%) exact matches, in which:
317 unique CDR3
13 unique J



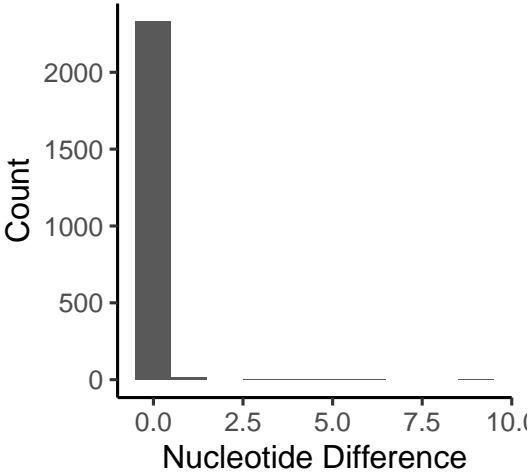
TRBV12-34*ap01

19953 sequences assigned
19786 (99.2%) exact matches, in which:
19546 unique CDR3
13 unique J



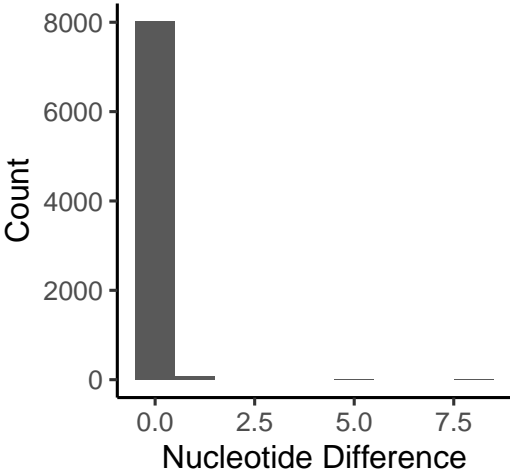
TRBV23-1*ap01

2360 sequences assigned
2331 (98.8%) exact matches, in which:
2308 unique CDR3
13 unique J



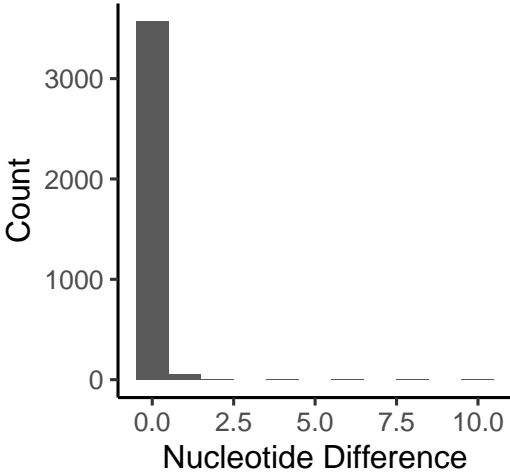
TRBV4-1*ap01

8110 sequences assigned
8019 (98.9%) exact matches, in which:
7857 unique CDR3
13 unique J



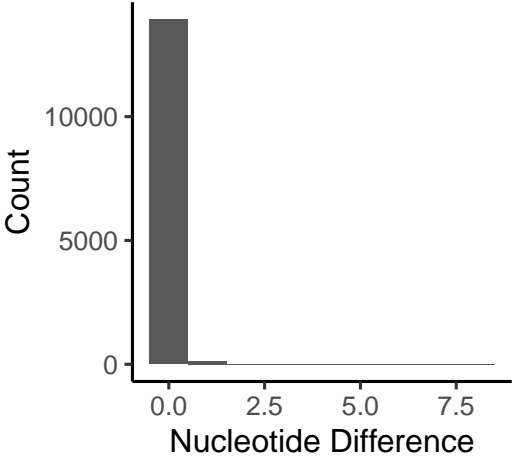
TRBV25-1*ap01

3632 sequences assigned
3570 (98.3%) exact matches, in which:
3512 unique CDR3
13 unique J



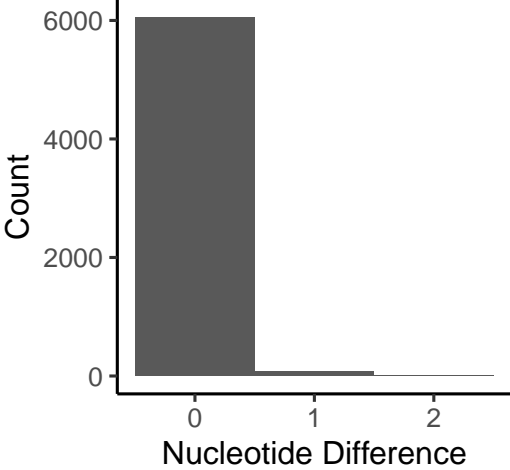
TRBV3-12*ap01

14064 sequences assigned
13925 (99%) exact matches, in which:
13691 unique CDR3
13 unique J



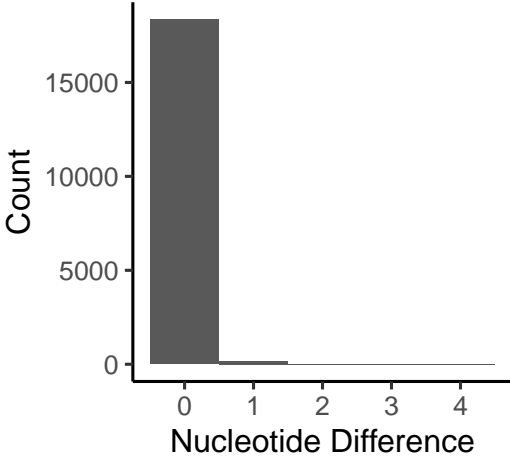
TRBV4-2*ap01

6124 sequences assigned
6046 (98.7%) exact matches, in which:
5960 unique CDR3
13 unique J



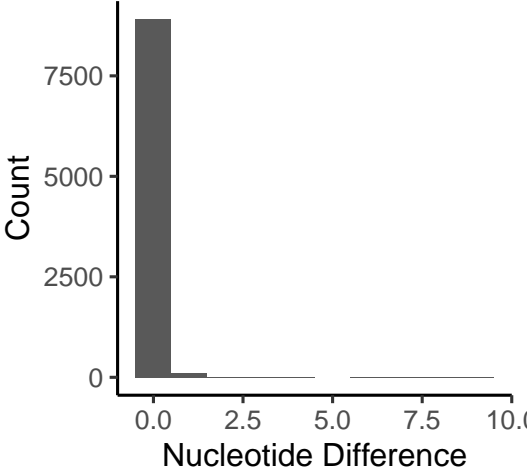
TRBV5-1*ap01

18536 sequences assigned
18351 (99%) exact matches, in which:
18009 unique CDR3
13 unique J



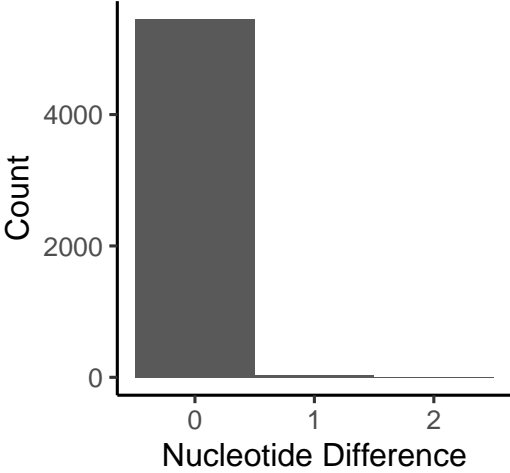
TRBV24-1*ap01

9033 sequences assigned
8913 (98.7%) exact matches, in which:
8773 unique CDR3
13 unique J



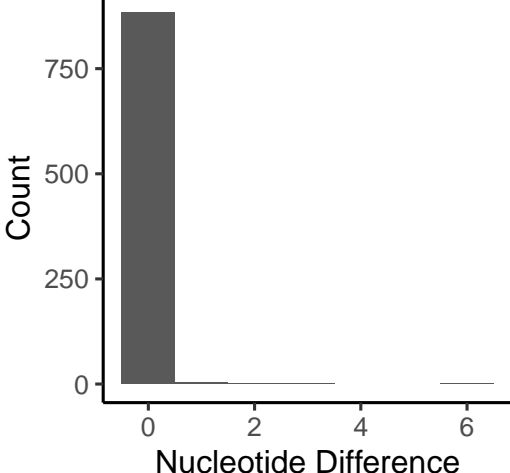
TRBV4-3*ap01

5494 sequences assigned
5454 (99.3%) exact matches, in which:
5377 unique CDR3
13 unique J



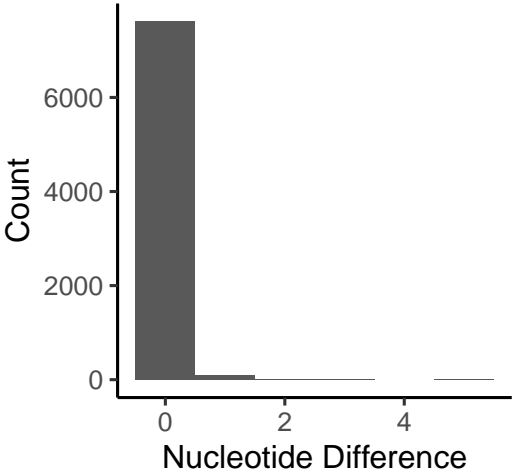
TRBV5-3*ap01

894 sequences assigned
884 (98.9%) exact matches, in which:
874 unique CDR3
13 unique J



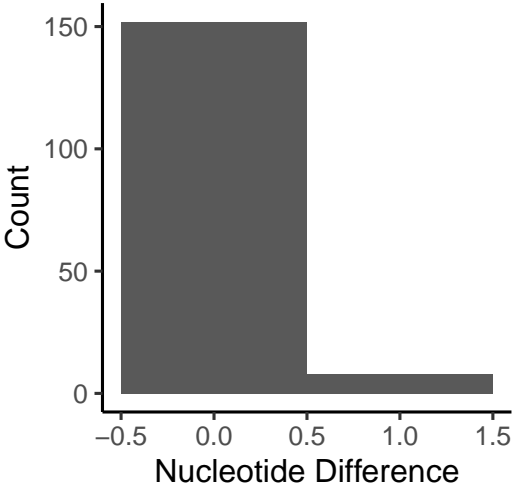
TRBV5-4*ap01

7718 sequences assigned
7616 (98.7%) exact matches, in which:
7499 unique CDR3
13 unique J



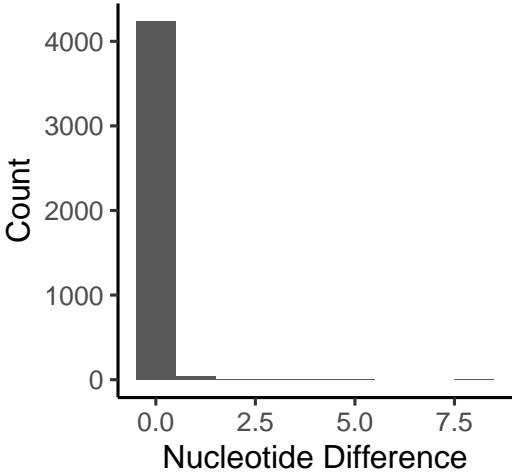
TRBV5-7*ap01

160 sequences assigned
152 (95%) exact matches, in which:
150 unique CDR3
13 unique J



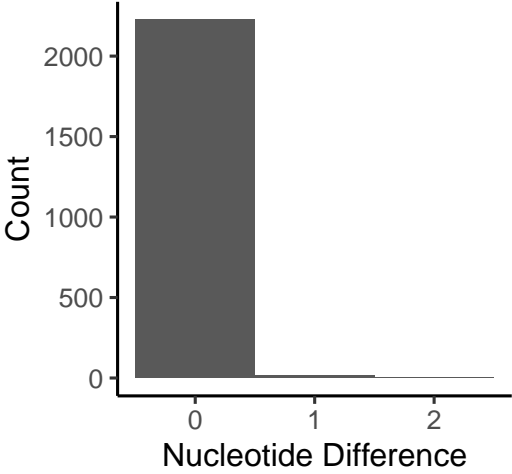
TRBV6-4*ap01

4291 sequences assigned
4235 (98.7%) exact matches, in which:
4197 unique CDR3
13 unique J



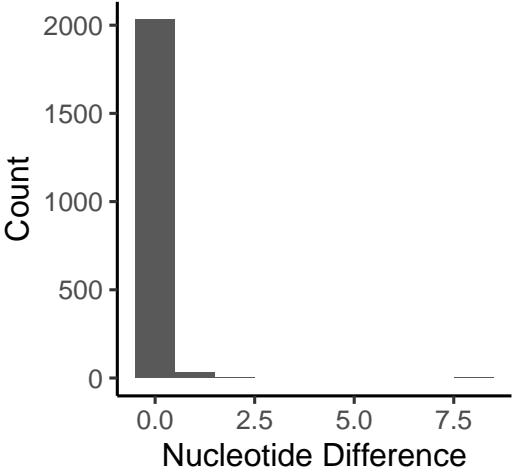
TRBV5-5*ap01

2244 sequences assigned
2226 (99.2%) exact matches, in which:
2215 unique CDR3
13 unique J



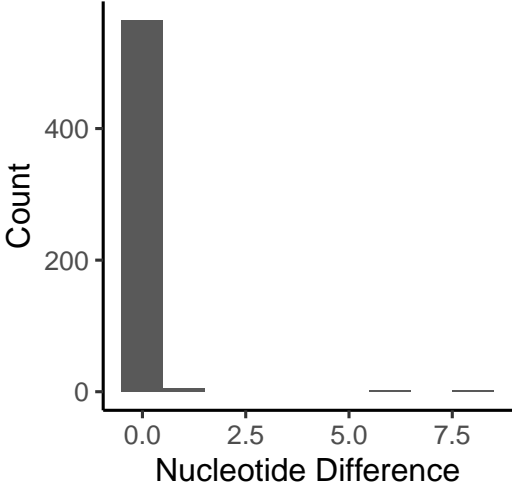
TRBV5-8*ap01

2069 sequences assigned
2031 (98.2%) exact matches, in which:
2018 unique CDR3
13 unique J



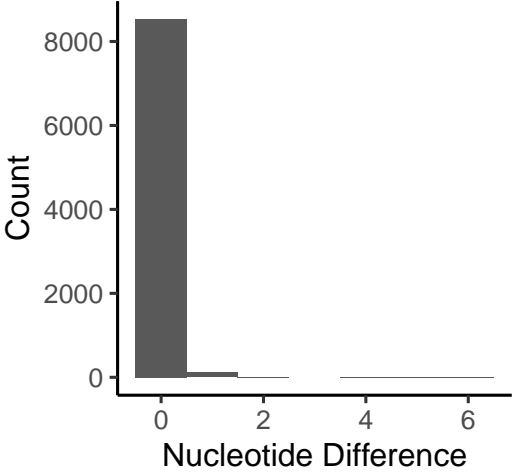
TRBV6-7*ap01

575 sequences assigned
565 (98.3%) exact matches, in which:
559 unique CDR3
13 unique J



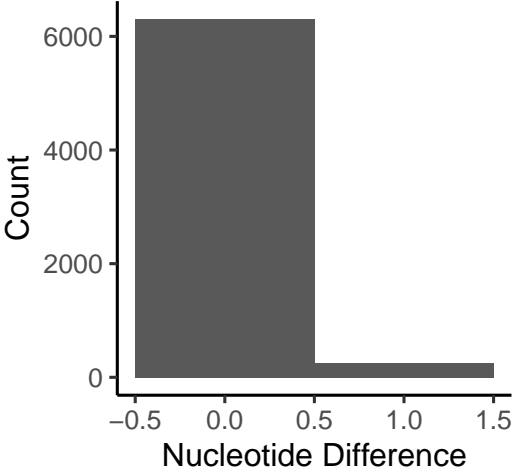
TRBV5-6*ap01

8656 sequences assigned
8535 (98.6%) exact matches, in which:
8345 unique CDR3
13 unique J



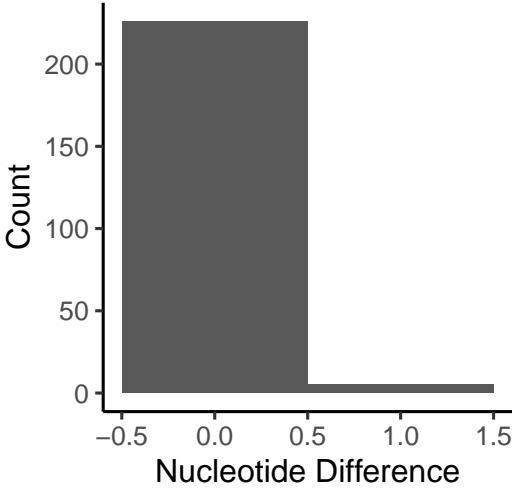
TRBV6-1*ap01

6556 sequences assigned
6305 (96.2%) exact matches, in which:
6198 unique CDR3
13 unique J



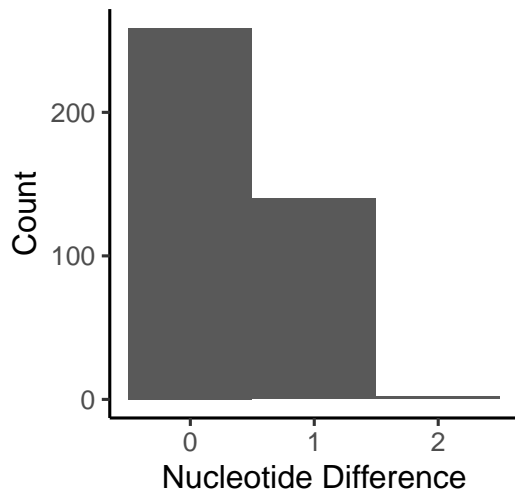
TRBV6-8*ap01

231 sequences assigned
226 (97.8%) exact matches, in which:
225 unique CDR3
13 unique J



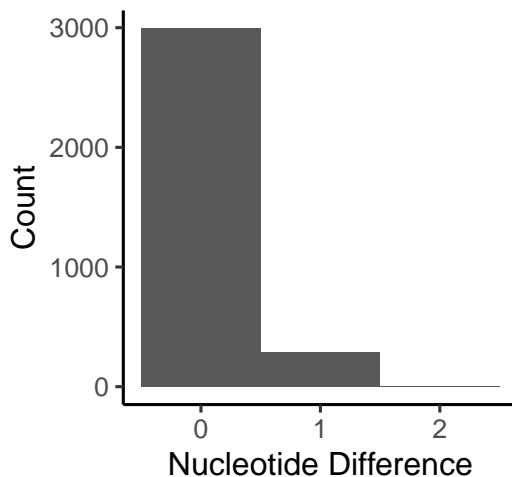
TRBV6-9*ap01

401 sequences assigned
259 (64.6%) exact matches, in which:
254 unique CDR3
13 unique J



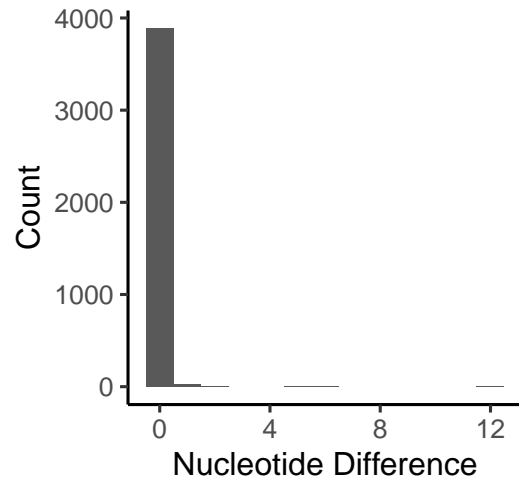
TRBV6-56*ap02

3286 sequences assigned
2994 (91.1%) exact matches, in which:
2931 unique CDR3
13 unique J



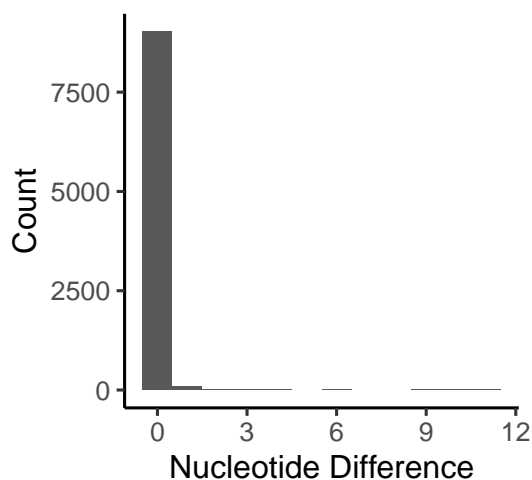
TRBV7-3*ap01

3916 sequences assigned
3887 (99.3%) exact matches, in which:
3859 unique CDR3
13 unique J



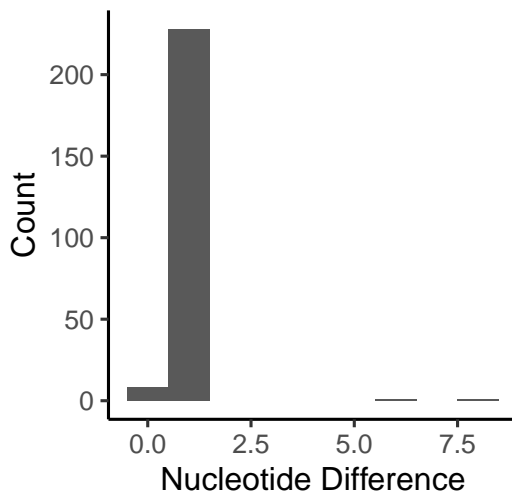
TRBV6-23*ap01

9122 sequences assigned
9022 (98.9%) exact matches, in which:
8872 unique CDR3
13 unique J



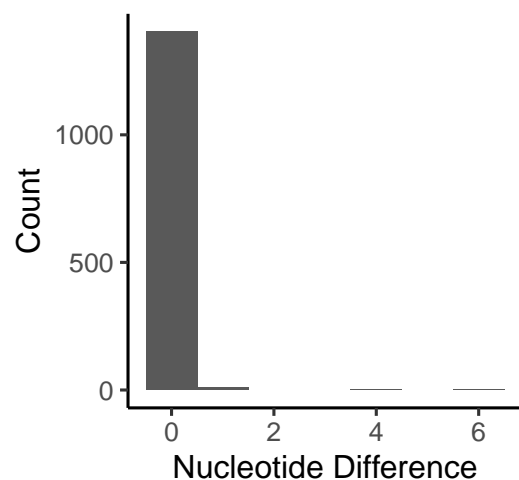
TRBV7-1*ap01_T296C

238 sequences assigned
8 (3.4%) exact matches, in which:
8 unique CDR3
6 unique J



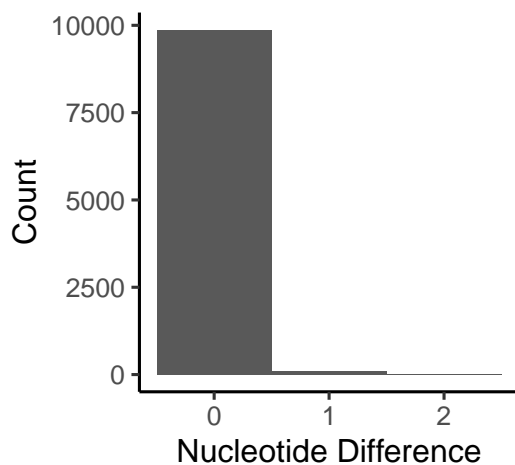
TRBV7-3*ap03

1415 sequences assigned
1404 (99.2%) exact matches, in which:
1393 unique CDR3
13 unique J



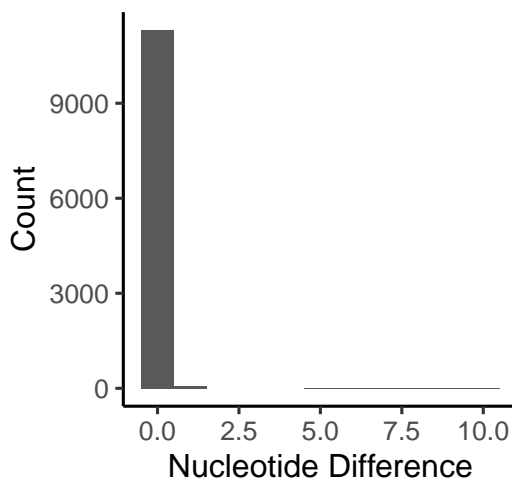
TRBV6-56*ap01

9970 sequences assigned
9872 (99%) exact matches, in which:
9691 unique CDR3
13 unique J



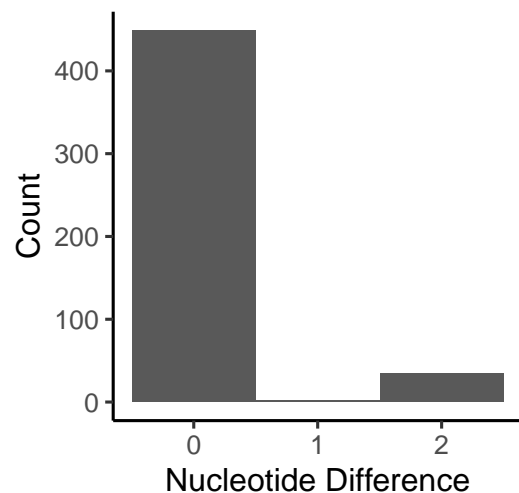
TRBV7-2*ap01

11381 sequences assigned
11311 (99.4%) exact matches, in which:
11207 unique CDR3
13 unique J



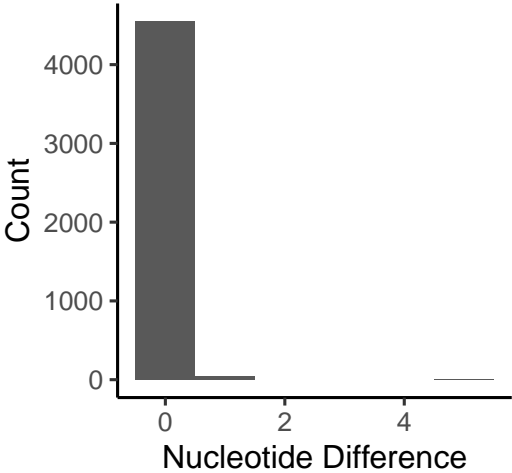
TRBV7-4*ap01

486 sequences assigned
449 (92.4%) exact matches, in which:
443 unique CDR3
13 unique J



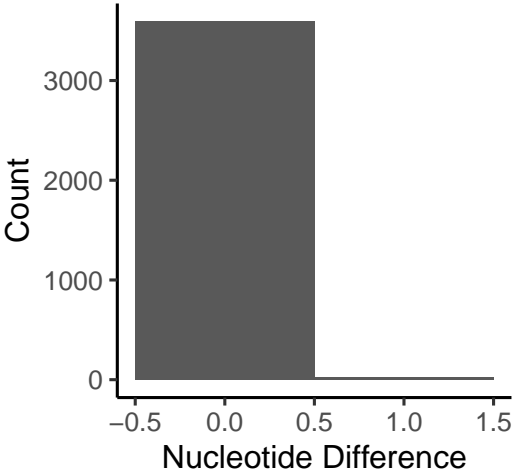
TRBV7-6*ap01

4593 sequences assigned
4549 (99%) exact matches, in which:
4498 unique CDR3
13 unique J



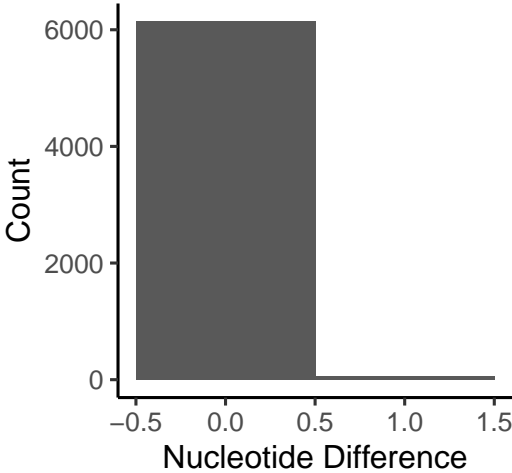
TRBV7-8*ap01

3617 sequences assigned
3593 (99.3%) exact matches, in which:
3537 unique CDR3
13 unique J



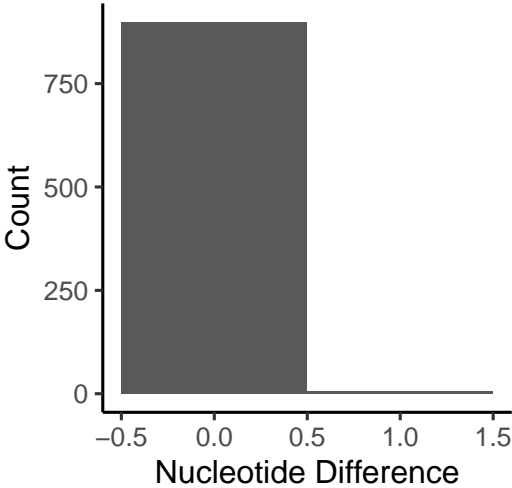
TRBV29-1*ap01

6205 sequences assigned
6143 (99%) exact matches, in which:
6015 unique CDR3
13 unique J



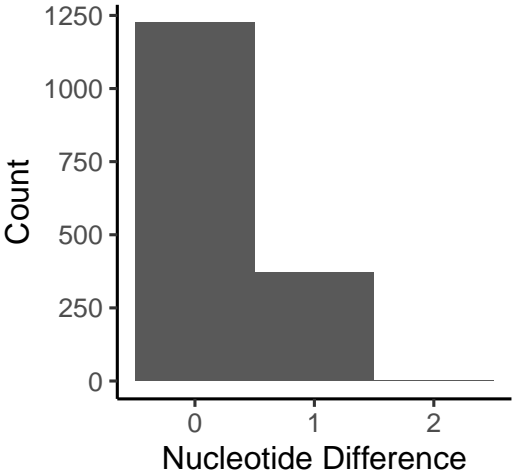
TRBV7-7*ap01

906 sequences assigned
899 (99.2%) exact matches, in which:
885 unique CDR3
13 unique J



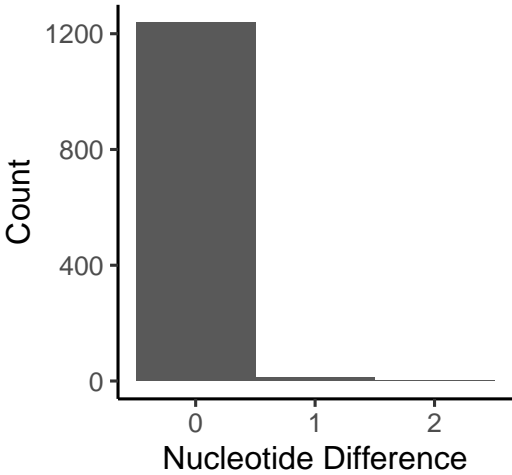
TRBV7-8*ap03

1597 sequences assigned
1225 (76.7%) exact matches, in which:
1210 unique CDR3
13 unique J



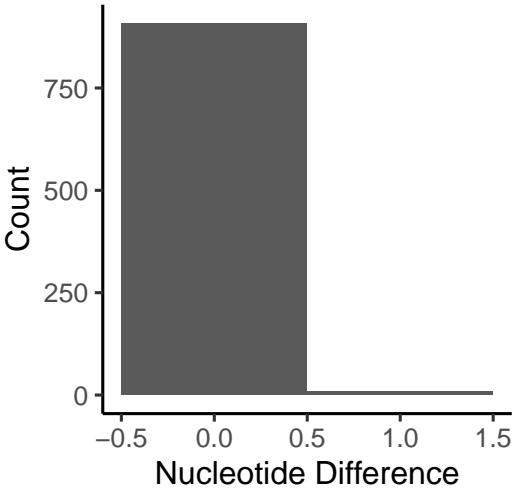
TRBV29-1*ap02

1251 sequences assigned
1238 (99%) exact matches, in which:
1210 unique CDR3
13 unique J



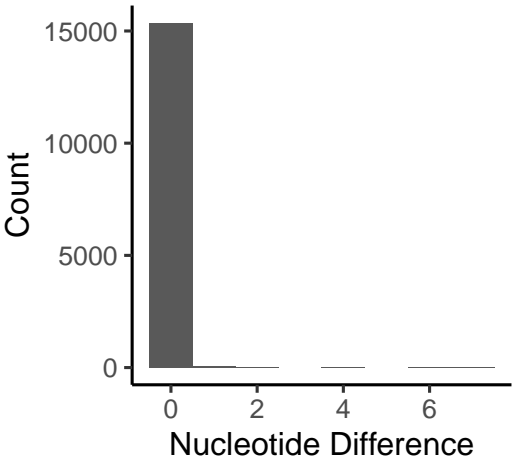
TRBV7-7*ap01_C315T

917 sequences assigned
908 (99%) exact matches, in which:
894 unique CDR3
13 unique J

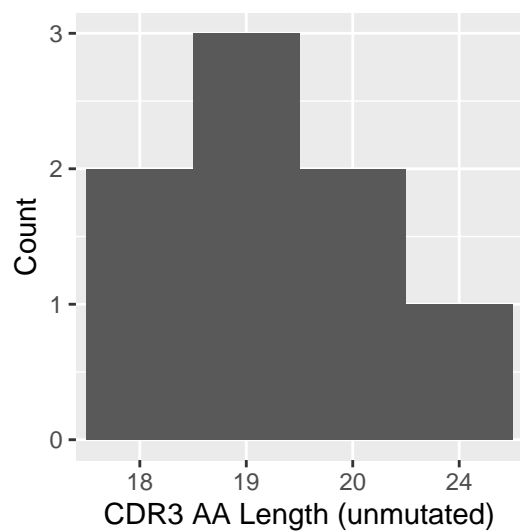


TRBV7-9*ap01

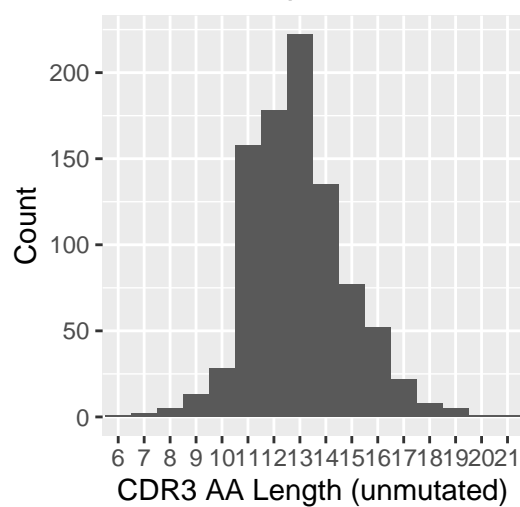
15458 sequences assigned
15365 (99.4%) exact matches, in which:
15211 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]