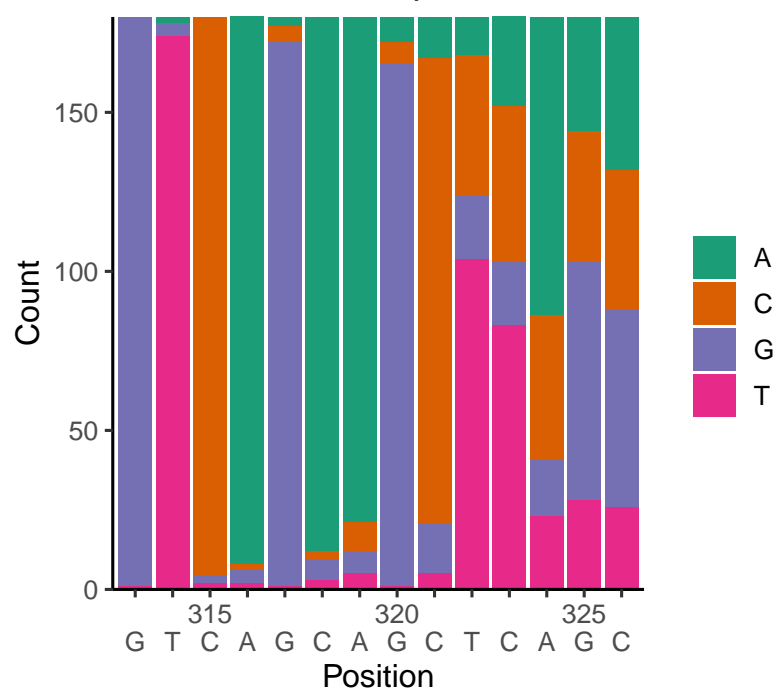
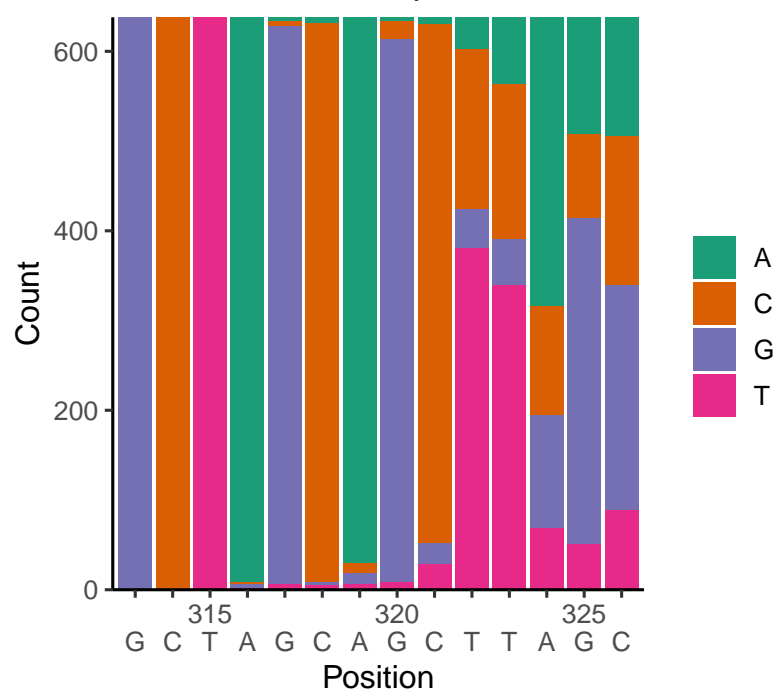


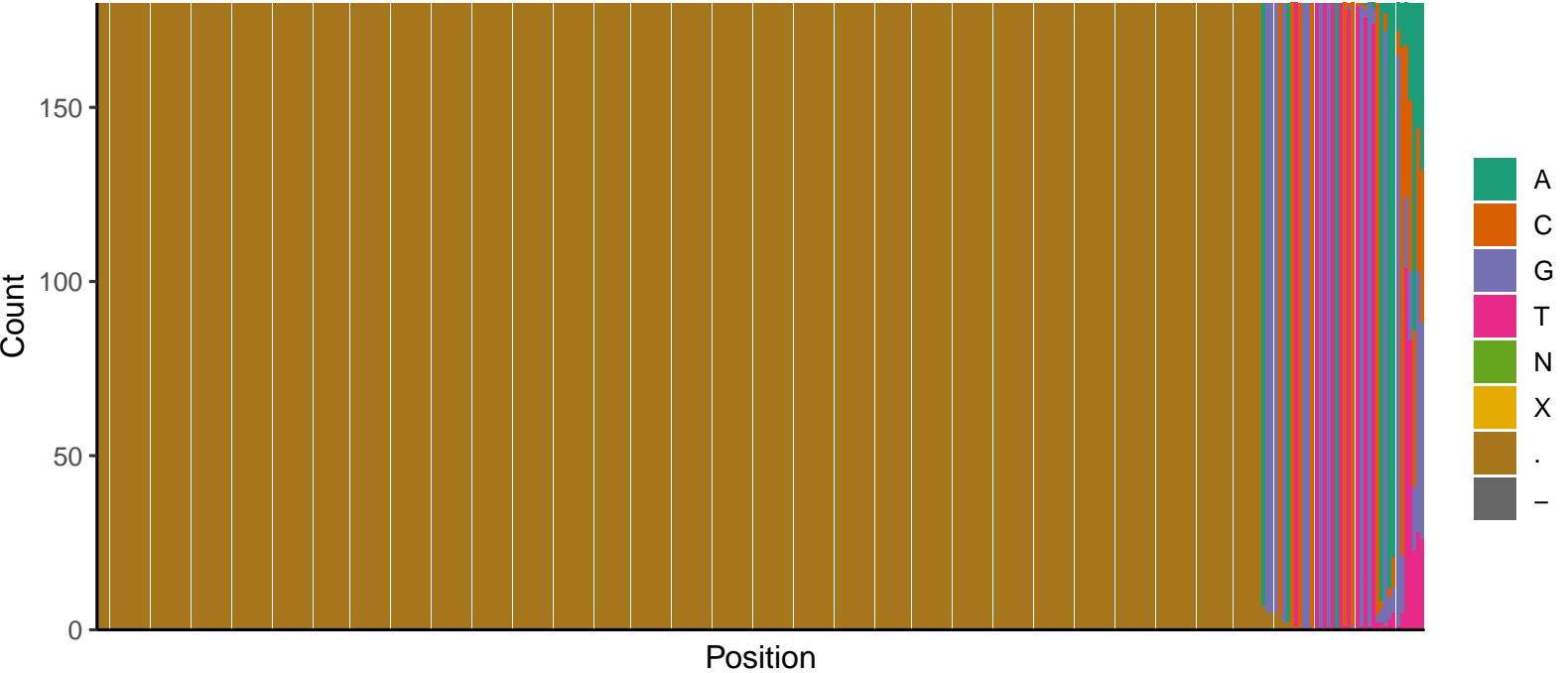
Gene TRBV7-1*ap01_T296C_C314T



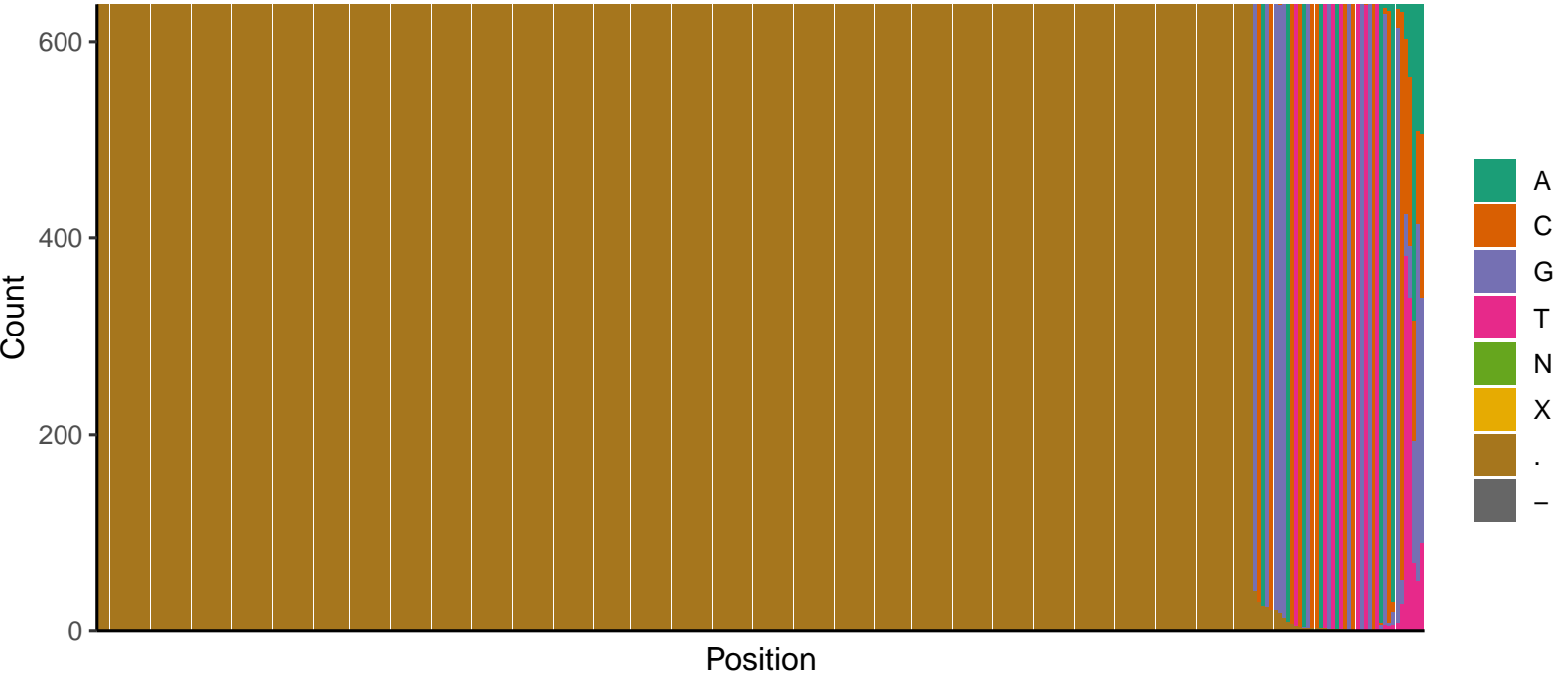
Gene TRBV7-7*ap01_C315T



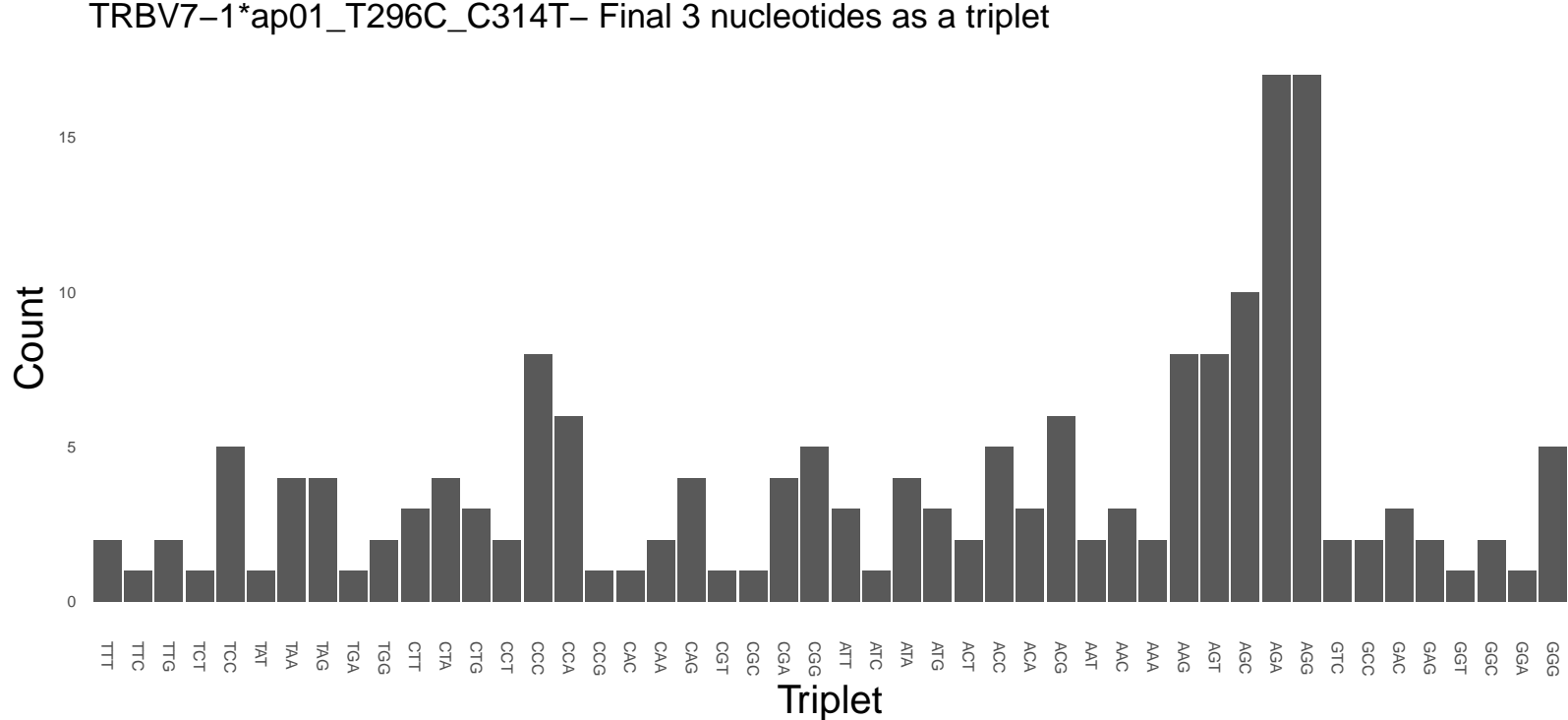
Gene TRBV7-1*ap01_T296C_C314T



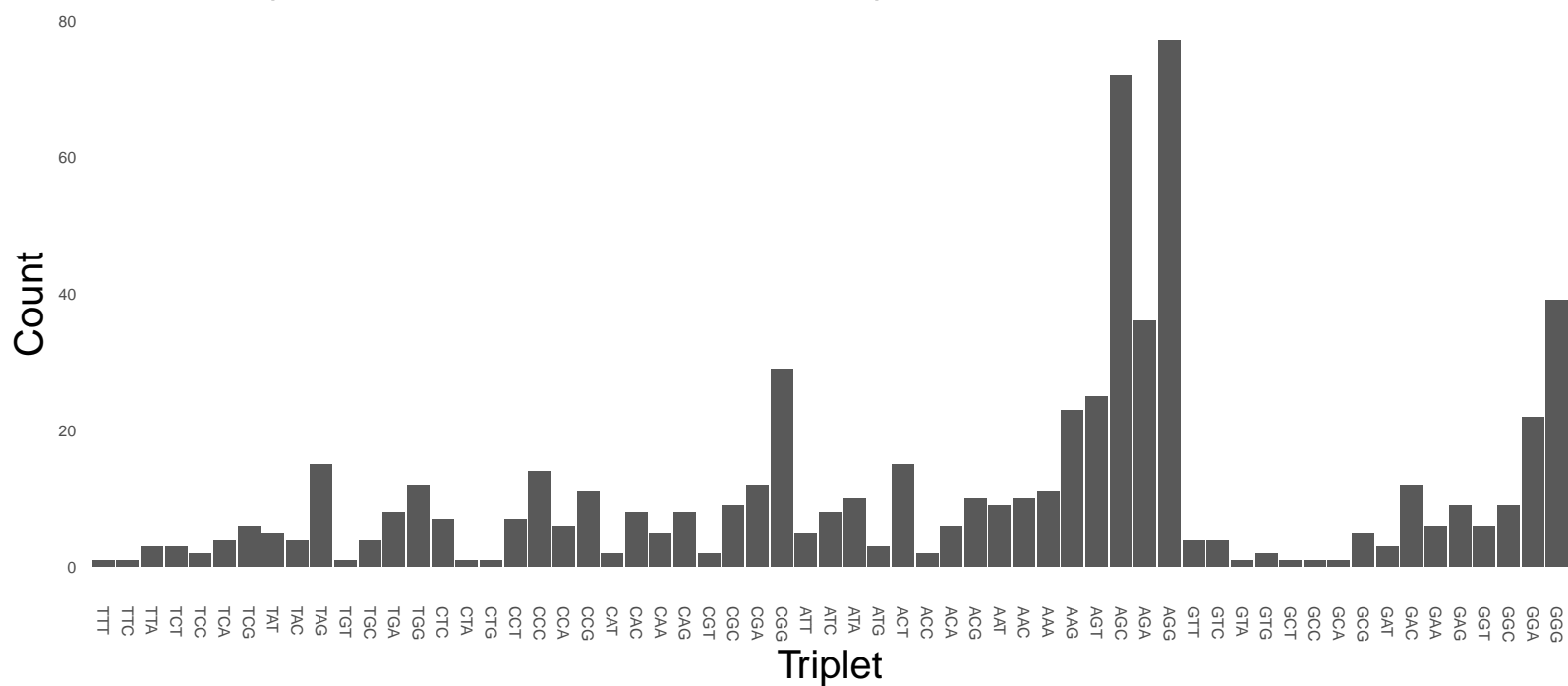
Gene TRBV7-7*ap01_C315T



TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet

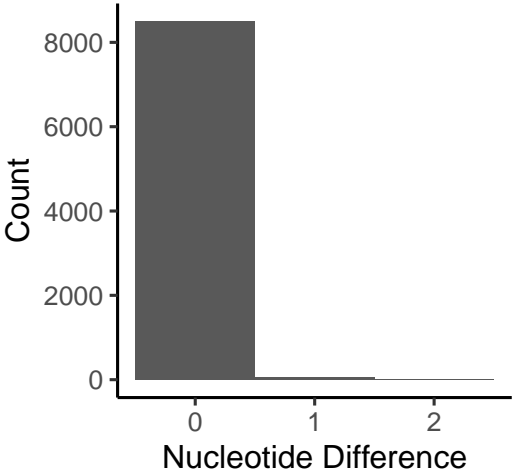


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



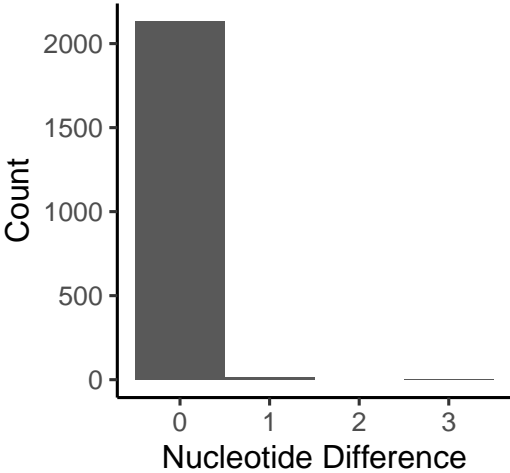
TRBV20-1*ap01

8554 sequences assigned
8497 (99.3%) exact matches, in which:
8428 unique CDR3
13 unique J



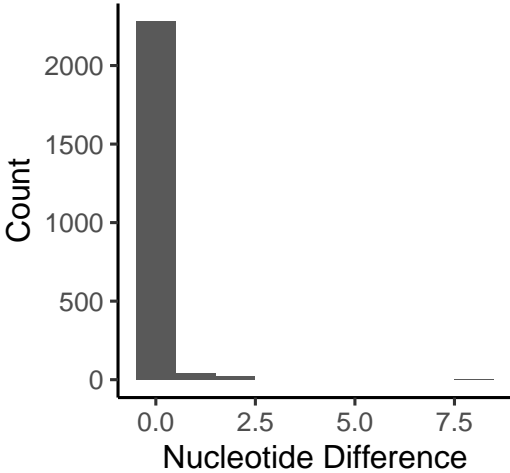
TRBV10-2*ap01

2150 sequences assigned
2132 (99.2%) exact matches, in which:
2113 unique CDR3
13 unique J



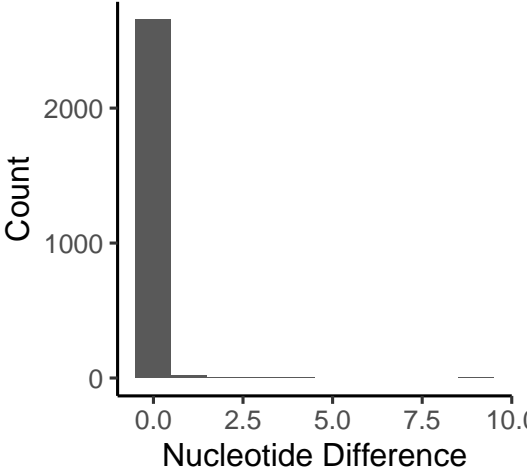
TRBV13*ap01

2347 sequences assigned
2281 (97.2%) exact matches, in which:
2252 unique CDR3
13 unique J



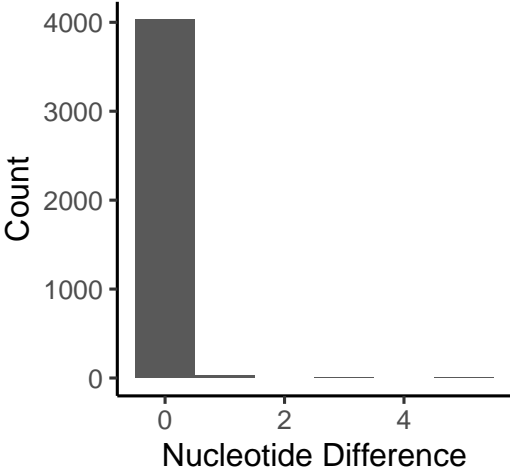
TRBV10-1*ap01

2678 sequences assigned
2655 (99.1%) exact matches, in which:
2623 unique CDR3
13 unique J



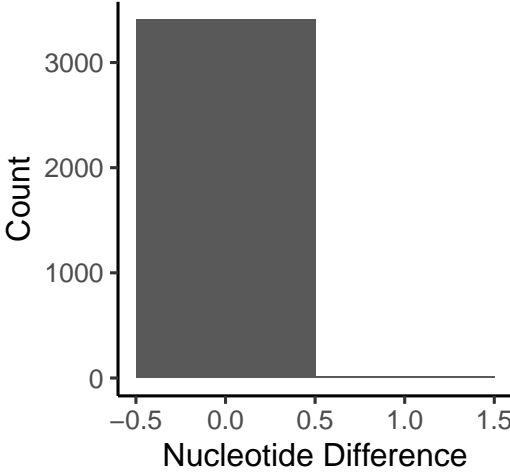
TRBV10-3*ap01

4066 sequences assigned
4029 (99.1%) exact matches, in which:
3976 unique CDR3
13 unique J



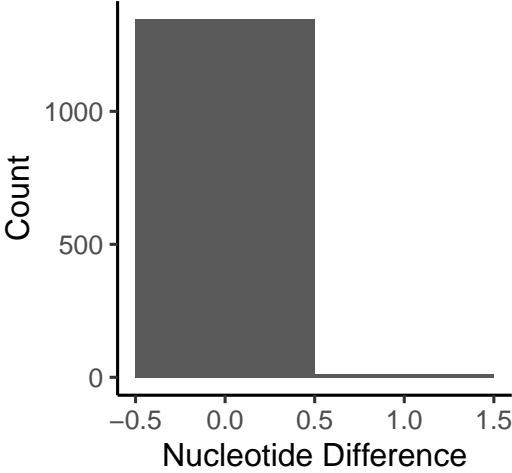
TRBV14*ap01

3420 sequences assigned
3407 (99.6%) exact matches, in which:
3379 unique CDR3
13 unique J



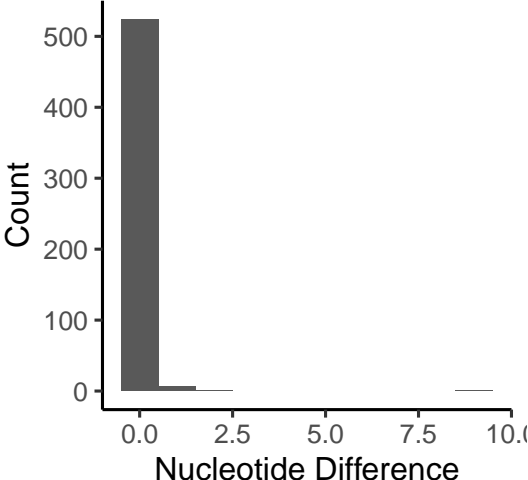
TRBV20-1*ap02

1359 sequences assigned
1347 (99.1%) exact matches, in which:
1336 unique CDR3
13 unique J



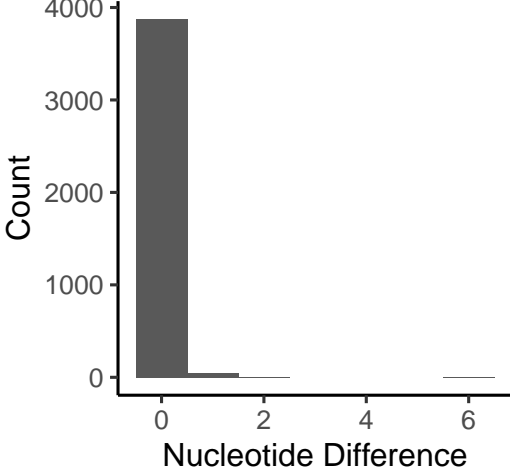
TRBV1*ap01

532 sequences assigned
524 (98.5%) exact matches, in which:
512 unique CDR3
13 unique J



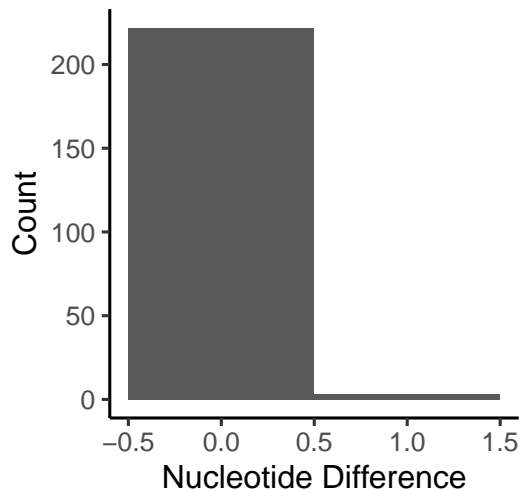
TRBV15*ap02

3927 sequences assigned
3875 (98.7%) exact matches, in which:
3824 unique CDR3
13 unique J



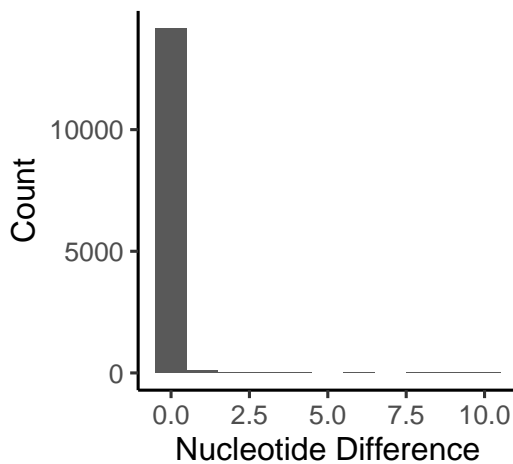
TRBV16*ap01

225 sequences assigned
222 (98.7%) exact matches, in which:
220 unique CDR3
12 unique J



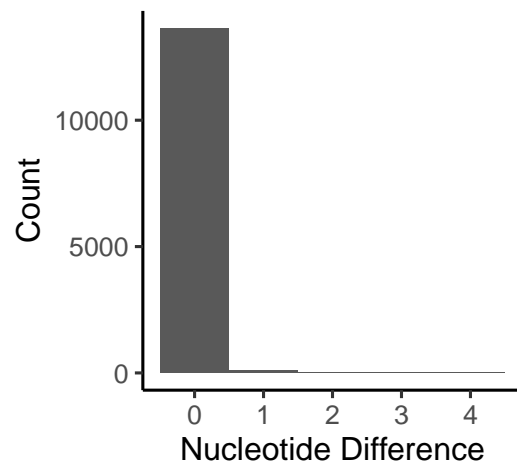
TRBV19*ap01

14275 sequences assigned
14170 (99.3%) exact matches, in which:
14106 unique CDR3
13 unique J



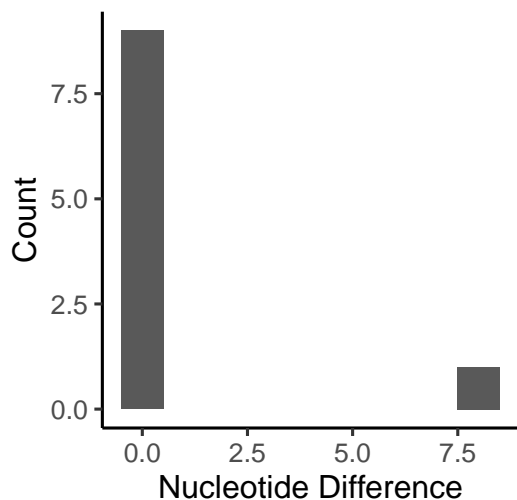
TRBV28*ap01

13749 sequences assigned
13643 (99.2%) exact matches, in which:
13549 unique CDR3
13 unique J



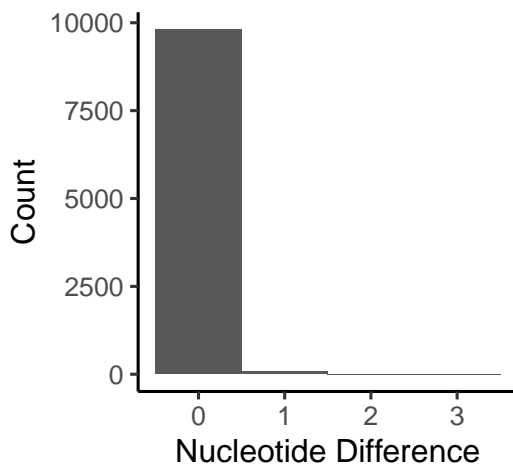
TRBV17*ap01

10 sequences assigned
9 (90%) exact matches, in which:
9 unique CDR3
4 unique J



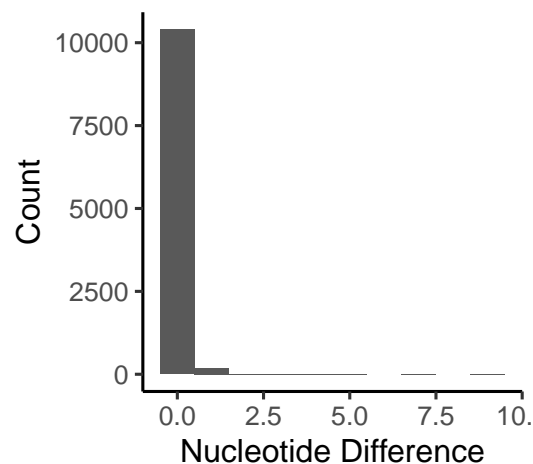
TRBV2*ap01

9886 sequences assigned
9809 (99.2%) exact matches, in which:
9680 unique CDR3
13 unique J



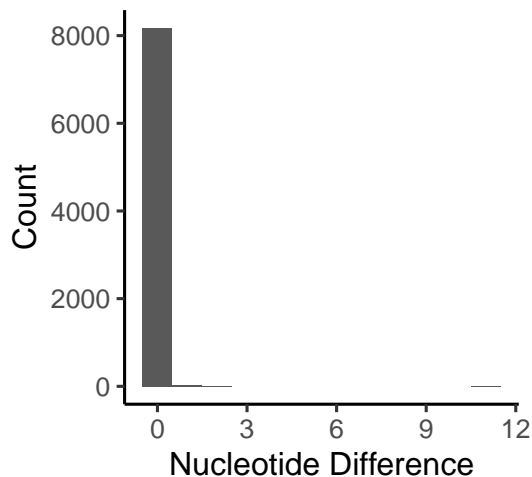
TRBV30*ap01

10593 sequences assigned
10399 (98.2%) exact matches, in which:
10150 unique CDR3
13 unique J



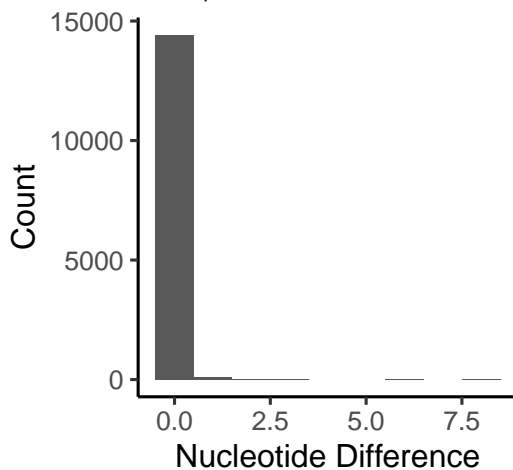
TRBV18*ap01

8200 sequences assigned
8173 (99.7%) exact matches, in which:
8136 unique CDR3
13 unique J



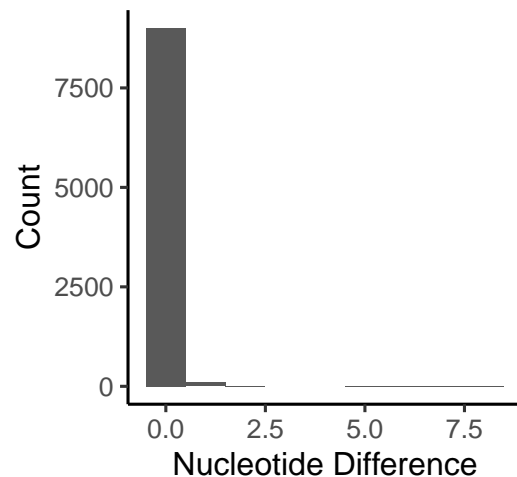
TRBV27*ap01

14546 sequences assigned
14425 (99.2%) exact matches, in which:
14283 unique CDR3
13 unique J



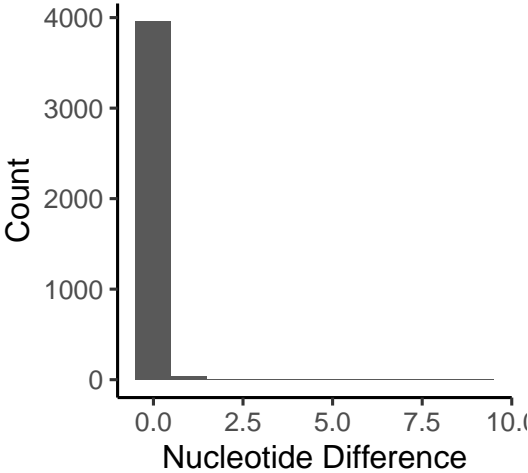
TRBV9*ap01

9108 sequences assigned
9005 (98.9%) exact matches, in which:
8946 unique CDR3
13 unique J



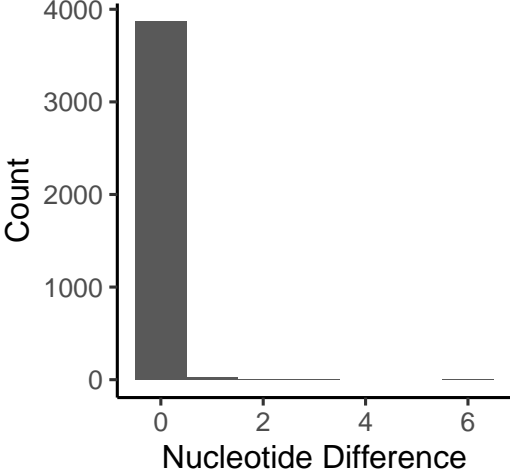
TRBV21-1*ap01

4024 sequences assigned
3958 (98.4%) exact matches, in which:
3934 unique CDR3
13 unique J



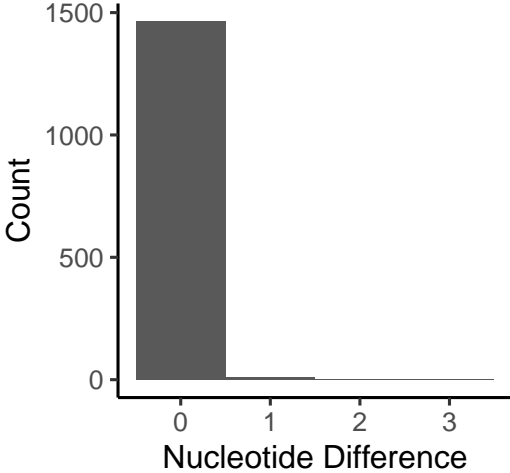
TRBV11-3*ap01

3897 sequences assigned
3869 (99.3%) exact matches, in which:
3840 unique CDR3
13 unique J



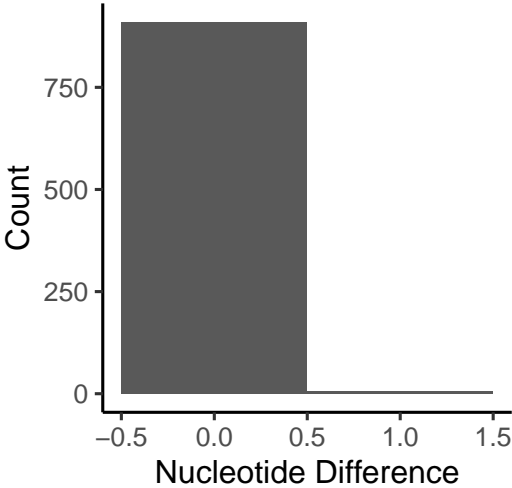
TRBV12-5*ap01

1476 sequences assigned
1464 (99.2%) exact matches, in which:
1457 unique CDR3
13 unique J



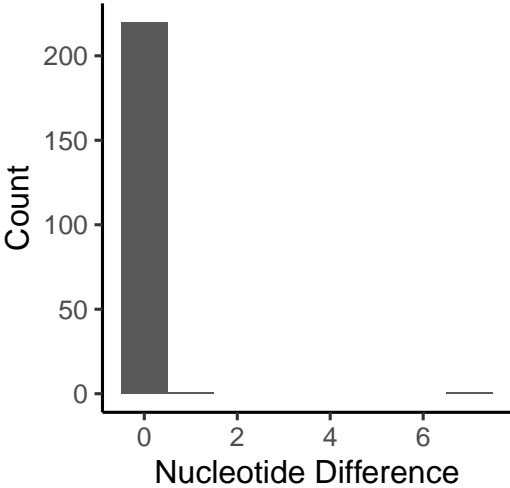
TRBV11-1*ap01

916 sequences assigned
910 (99.3%) exact matches, in which:
905 unique CDR3
13 unique J



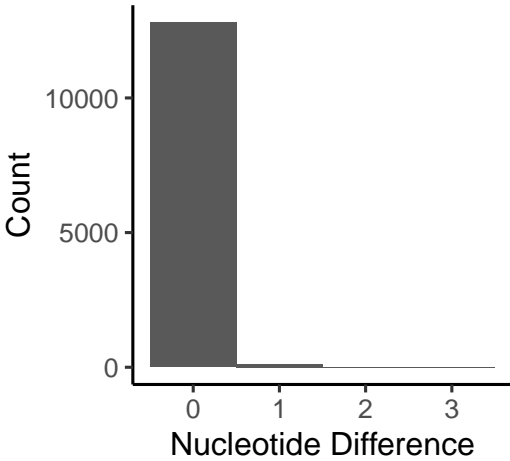
TRBV12-1*ap01

222 sequences assigned
220 (99.1%) exact matches, in which:
218 unique CDR3
12 unique J



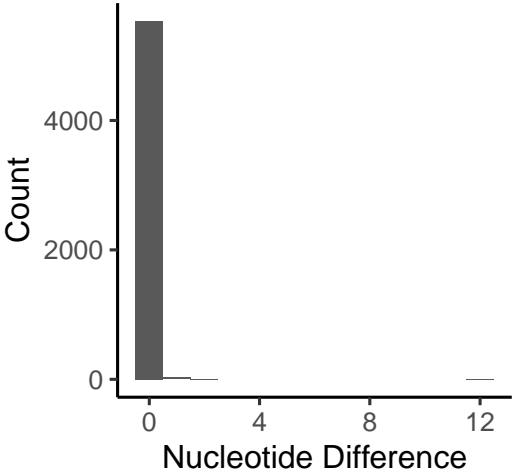
TRBV12-34*ap01

12918 sequences assigned
12802 (99.1%) exact matches, in which:
12650 unique CDR3
13 unique J



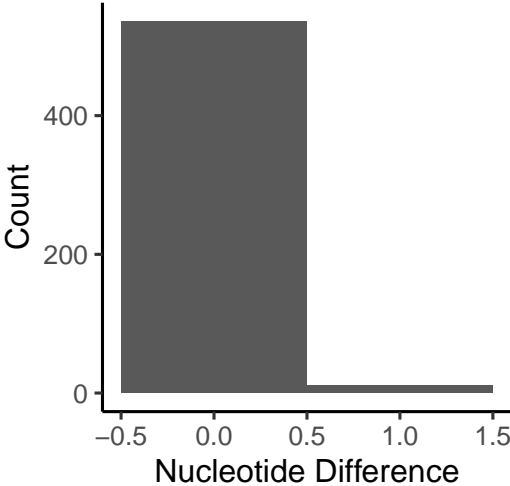
TRBV11-2*ap01

5569 sequences assigned
5536 (99.4%) exact matches, in which:
5487 unique CDR3
13 unique J



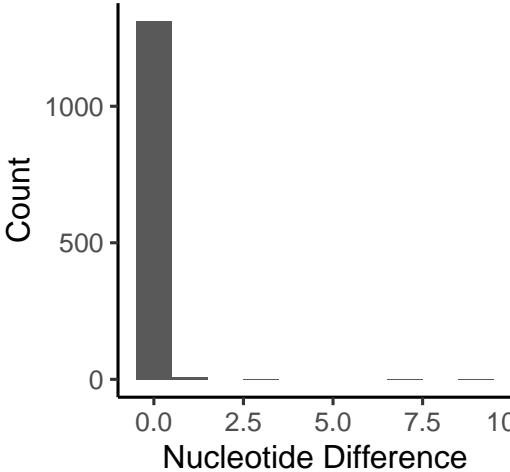
TRBV12-2*ap01

547 sequences assigned
536 (98%) exact matches, in which:
535 unique CDR3
13 unique J



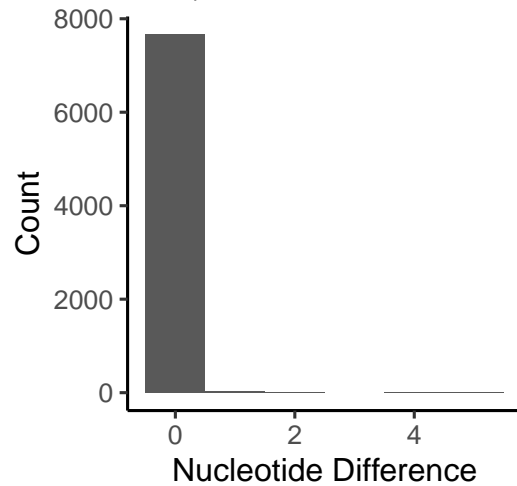
TRBV23-1*ap01

1324 sequences assigned
1312 (99.1%) exact matches, in which:
1305 unique CDR3
13 unique J



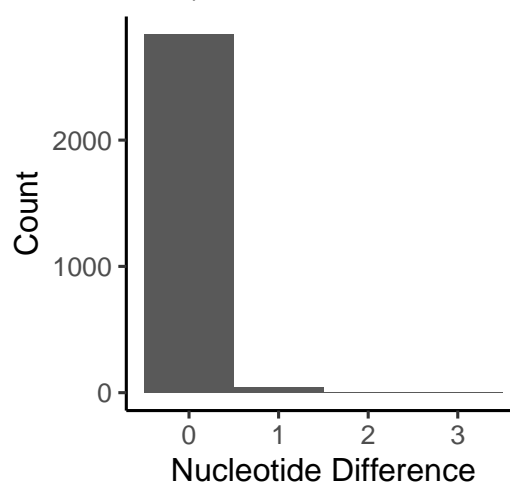
TRBV3-12*ap01

7712 sequences assigned
7665 (99.4%) exact matches, in which:
7606 unique CDR3
13 unique J



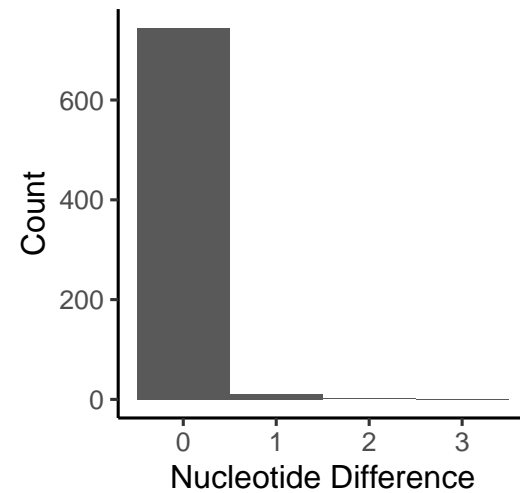
TRBV4-2*ap01

2881 sequences assigned
2837 (98.5%) exact matches, in which:
2800 unique CDR3
13 unique J



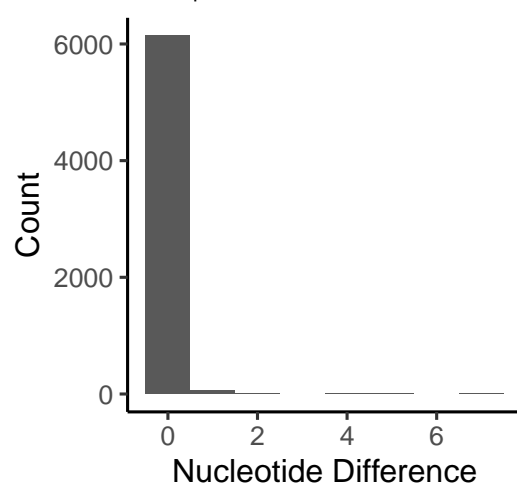
TRBV5-3*ap01

759 sequences assigned
745 (98.2%) exact matches, in which:
731 unique CDR3
13 unique J



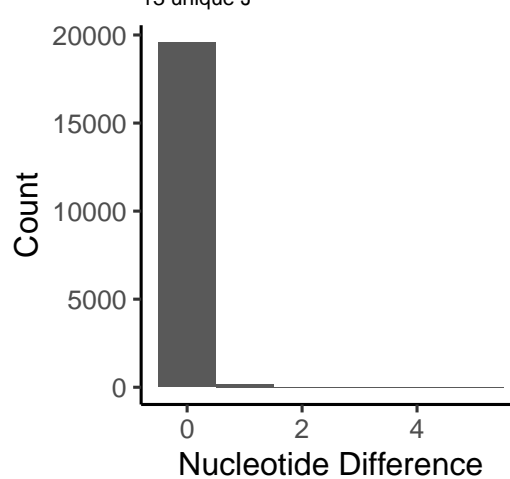
TRBV24-1*ap01

6214 sequences assigned
6141 (98.8%) exact matches, in which:
6053 unique CDR3
13 unique J



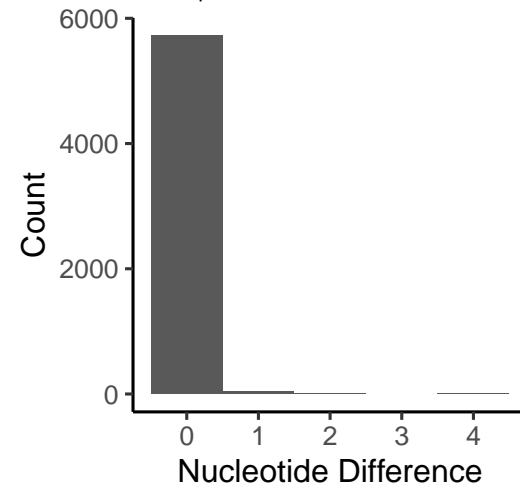
TRBV5-1*ap01

19767 sequences assigned
19575 (99%) exact matches, in which:
19284 unique CDR3
13 unique J



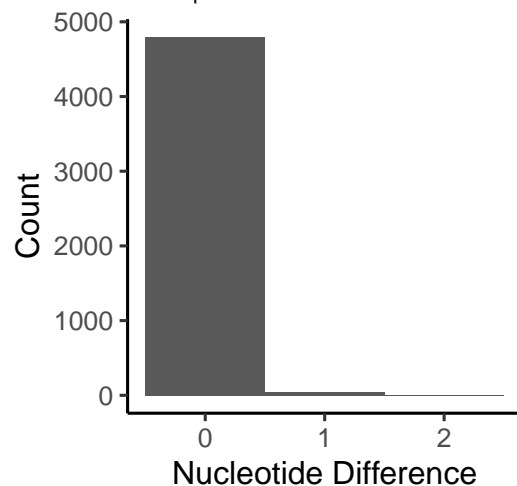
TRBV5-4*ap01

5767 sequences assigned
5722 (99.2%) exact matches, in which:
5664 unique CDR3
13 unique J



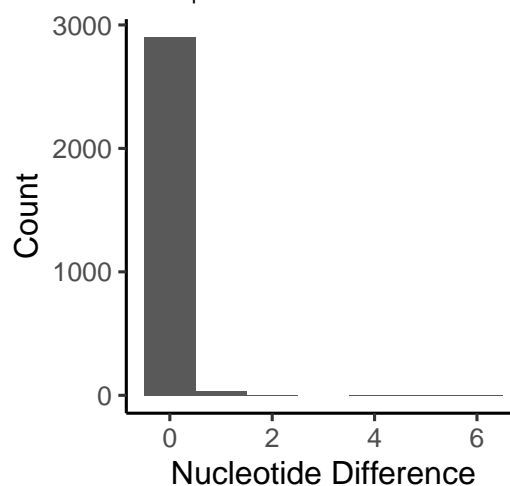
TRBV4-1*ap01

4841 sequences assigned
4796 (99.1%) exact matches, in which:
4723 unique CDR3
13 unique J



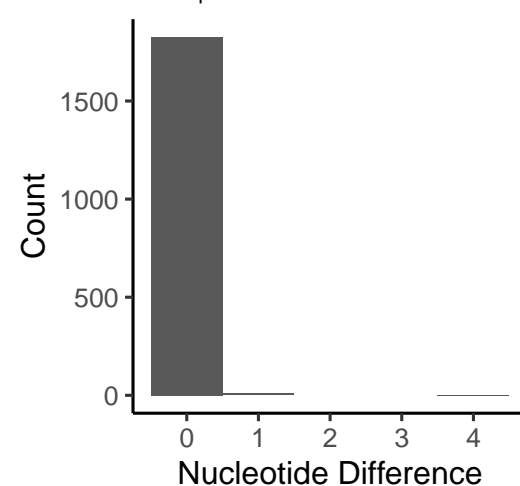
TRBV25-1*ap01

2942 sequences assigned
2902 (98.6%) exact matches, in which:
2832 unique CDR3
14 unique J



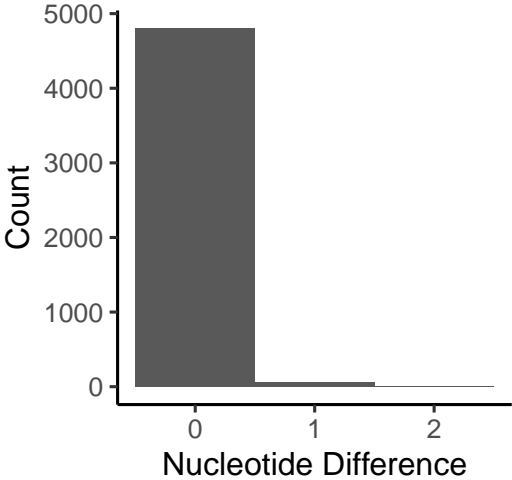
TRBV5-5*ap01

1837 sequences assigned
1826 (99.4%) exact matches, in which:
1822 unique CDR3
13 unique J



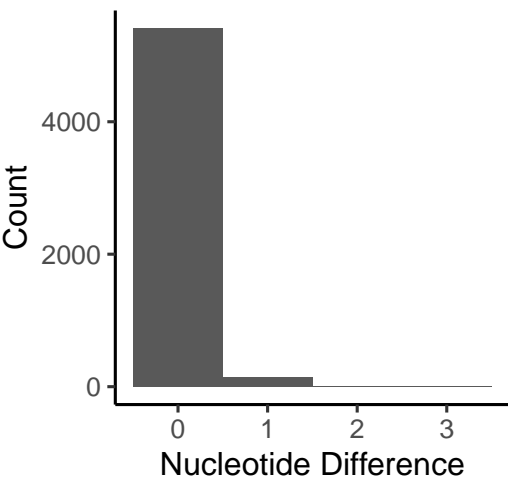
TRBV5-6*ap01

4865 sequences assigned
4802 (98.7%) exact matches, in which:
4679 unique CDR3
13 unique J



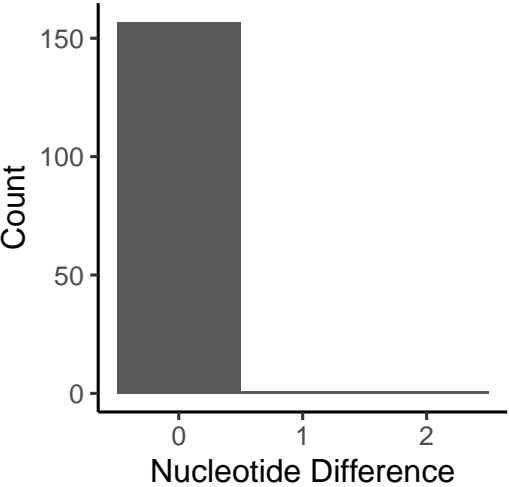
TRBV6-1*ap01

5557 sequences assigned
5409 (97.3%) exact matches, in which:
5331 unique CDR3
13 unique J



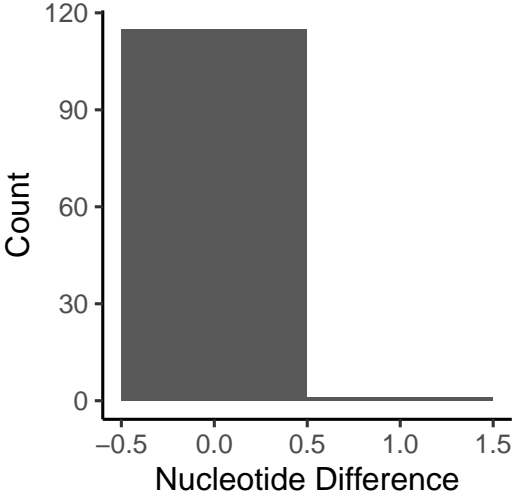
TRBV6-8*ap01

159 sequences assigned
157 (98.7%) exact matches, in which:
154 unique CDR3
13 unique J



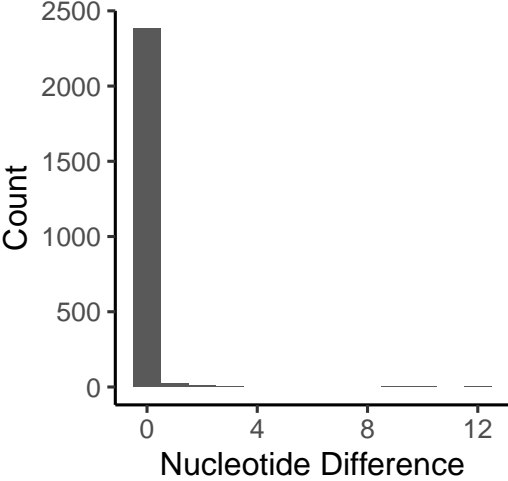
TRBV5-7*ap01

116 sequences assigned
115 (99.1%) exact matches, in which:
111 unique CDR3
13 unique J



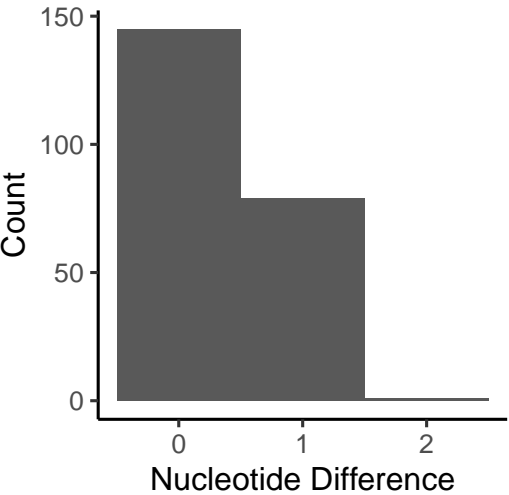
TRBV6-4*ap01

2418 sequences assigned
2381 (98.5%) exact matches, in which:
2361 unique CDR3
13 unique J



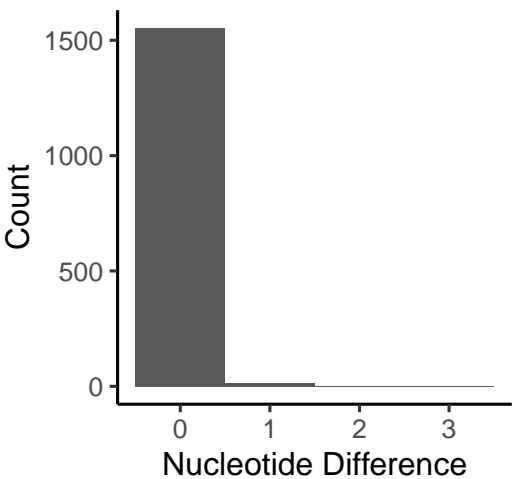
TRBV6-9*ap01

225 sequences assigned
145 (64.4%) exact matches, in which:
142 unique CDR3
12 unique J



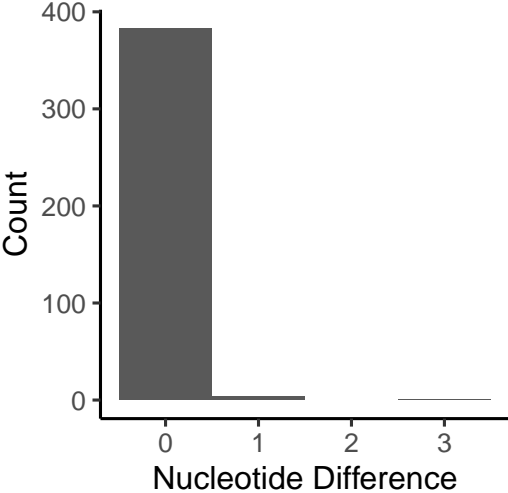
TRBV5-8*ap01

1569 sequences assigned
1553 (99%) exact matches, in which:
1541 unique CDR3
13 unique J



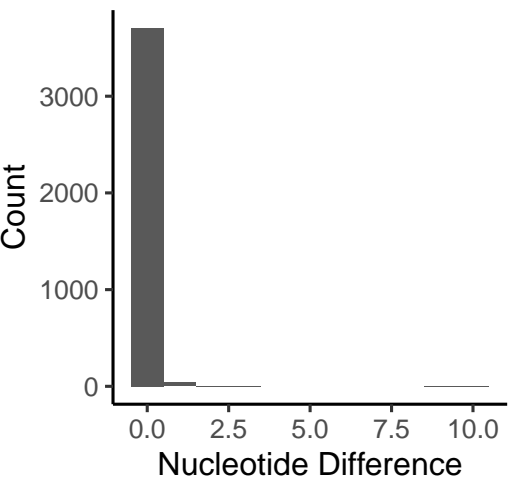
TRBV6-7*ap01

388 sequences assigned
383 (98.7%) exact matches, in which:
376 unique CDR3
13 unique J



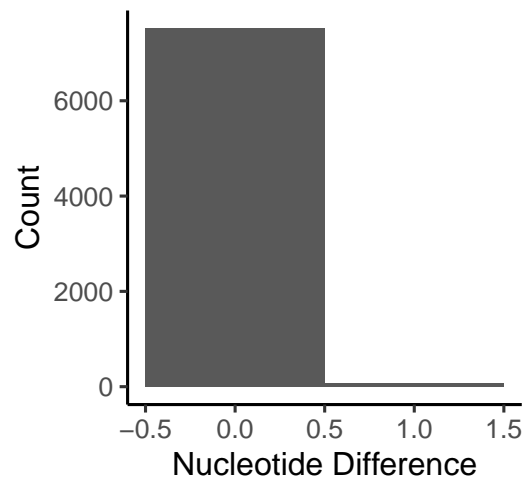
TRBV6-23*ap01

3751 sequences assigned
3705 (98.8%) exact matches, in which:
3630 unique CDR3
13 unique J



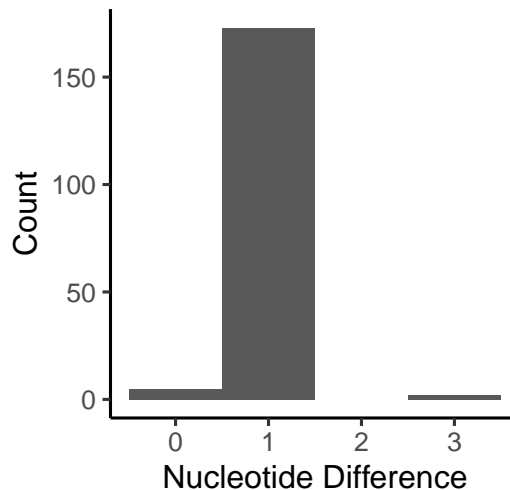
TRBV6-56*ap01

7591 sequences assigned
7518 (99%) exact matches, in which:
7370 unique CDR3
13 unique J



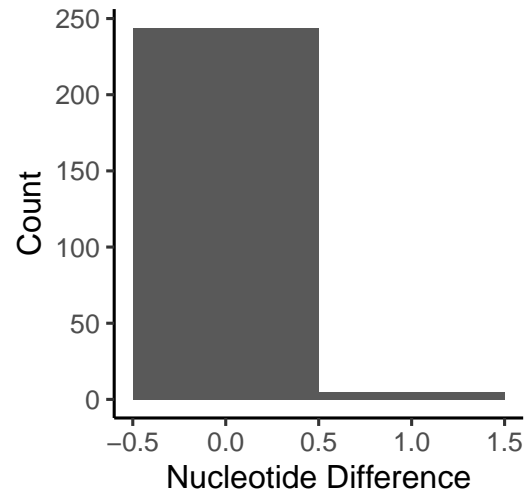
TRBV7-1*ap01_T296C_()

180 sequences assigned
5 (2.8%) exact matches, in which:
5 unique CDR3
3 unique J



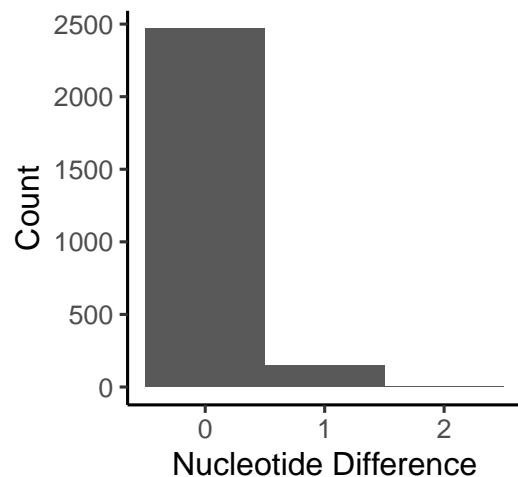
TRBV7-4*ap01

249 sequences assigned
244 (98%) exact matches, in which:
242 unique CDR3
12 unique J



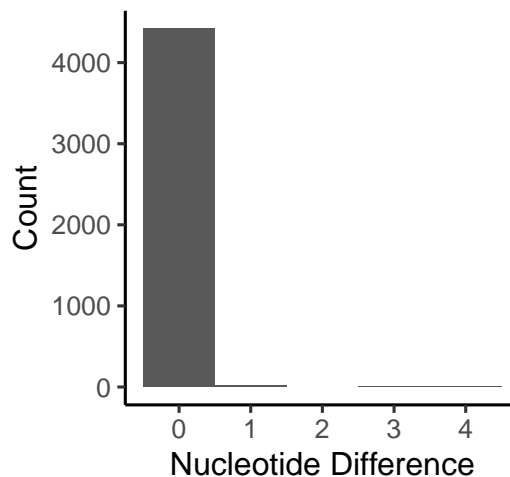
TRBV6-56*ap02

2615 sequences assigned
2468 (94.4%) exact matches, in which:
2423 unique CDR3
13 unique J



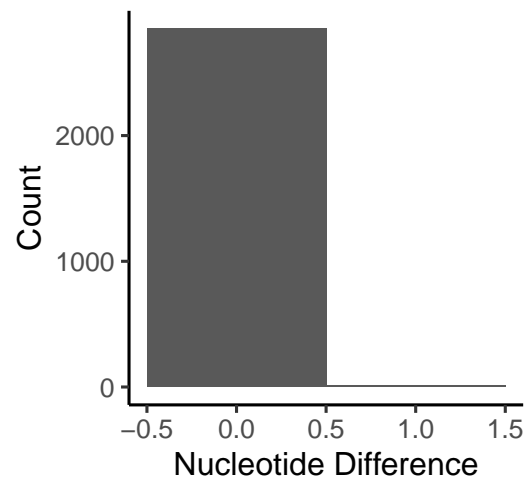
TRBV7-2*ap01

4436 sequences assigned
4418 (99.6%) exact matches, in which:
4382 unique CDR3
13 unique J



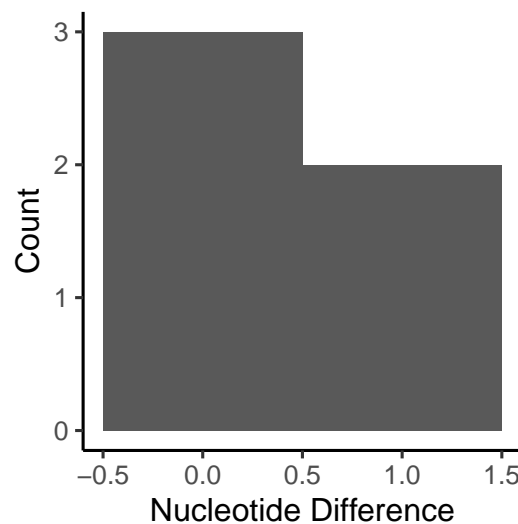
TRBV7-6*ap01

2864 sequences assigned
2850 (99.5%) exact matches, in which:
2826 unique CDR3
13 unique J



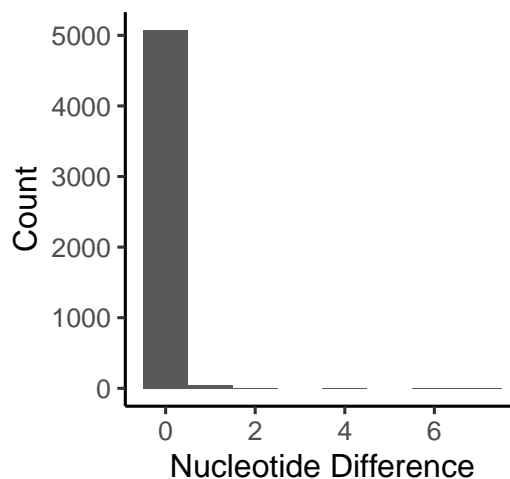
TRBV7-1*ap01

5 sequences assigned
3 (60%) exact matches, in which:
3 unique CDR3
2 unique J



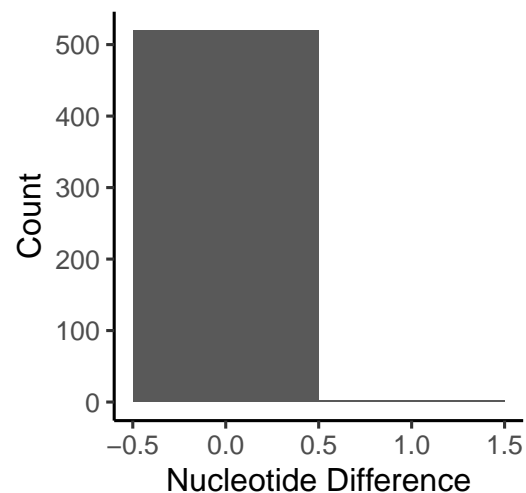
TRBV7-3*ap01

5128 sequences assigned
5075 (99%) exact matches, in which:
5040 unique CDR3
13 unique J



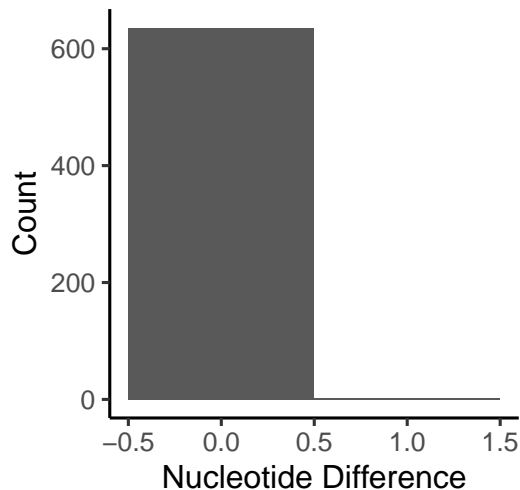
TRBV7-7*ap01

522 sequences assigned
520 (99.6%) exact matches, in which:
516 unique CDR3
13 unique J



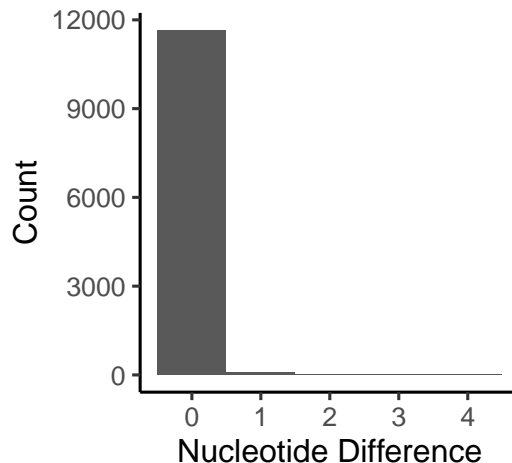
TRBV7-7*ap01_C315T

638 sequences assigned
636 (99.7%) exact matches, in which:
629 unique CDR3
13 unique J



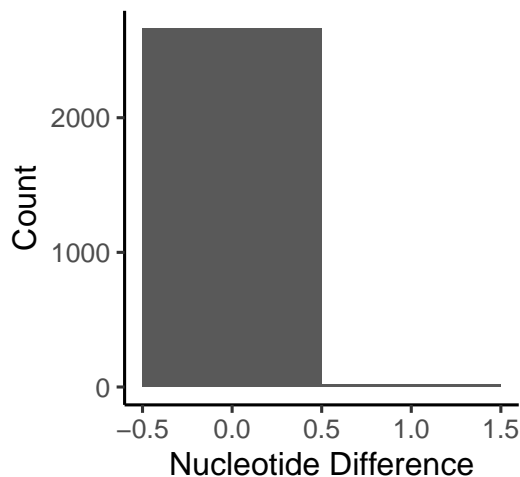
TRBV7-9*ap01

11748 sequences assigned
11652 (99.2%) exact matches, in which:
11553 unique CDR3
13 unique J



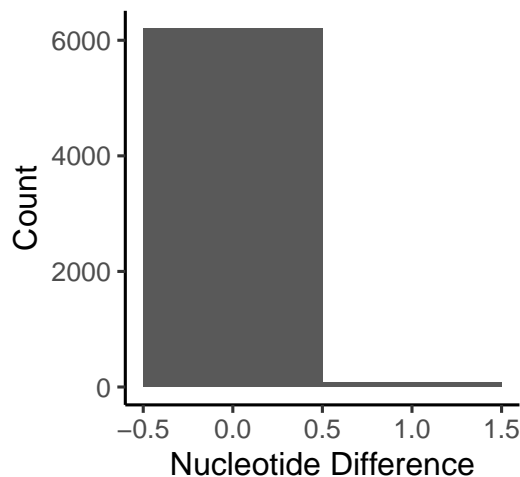
TRBV7-8*ap01

2678 sequences assigned
2661 (99.4%) exact matches, in which:
2629 unique CDR3
13 unique J



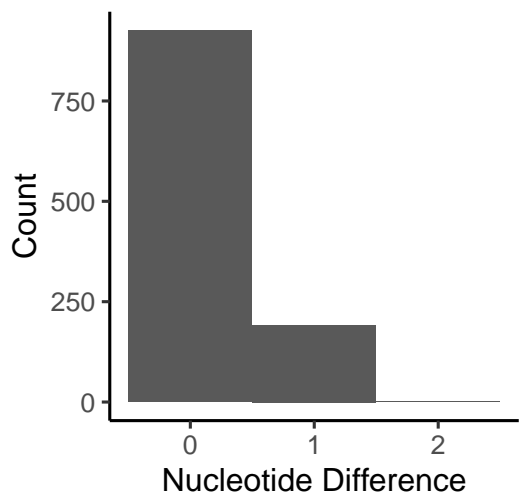
TRBV29-1*ap01

6275 sequences assigned
6200 (98.8%) exact matches, in which:
6080 unique CDR3
13 unique J



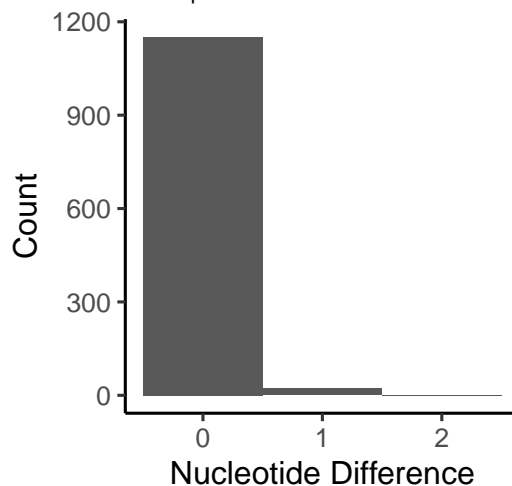
TRBV7-8*ap03

1120 sequences assigned
926 (82.7%) exact matches, in which:
918 unique CDR3
13 unique J

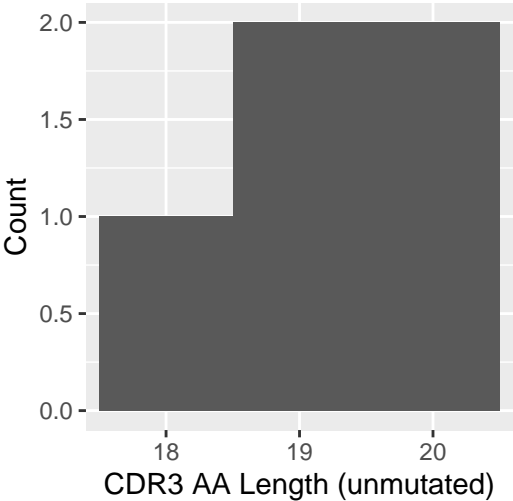


TRBV29-1*ap02

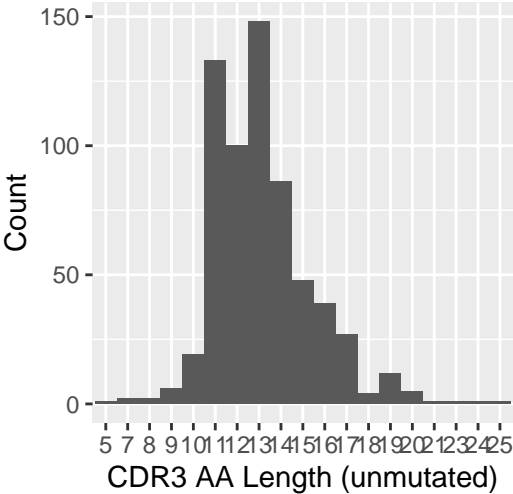
1174 sequences assigned
1151 (98%) exact matches, in which:
1118 unique CDR3
13 unique J



TRBV7-1*ap01_T296C_C314T



TRBV7-7*ap01_C315T





[illegible]