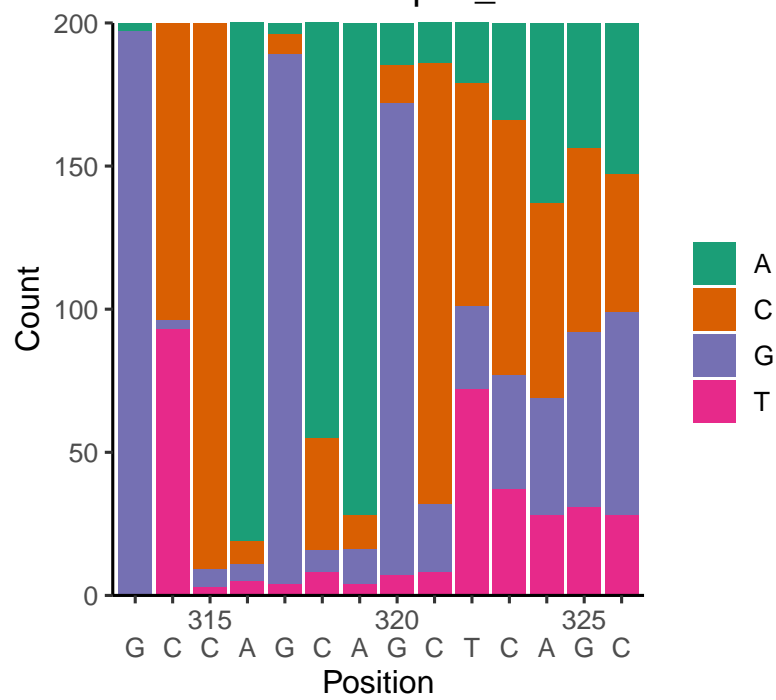
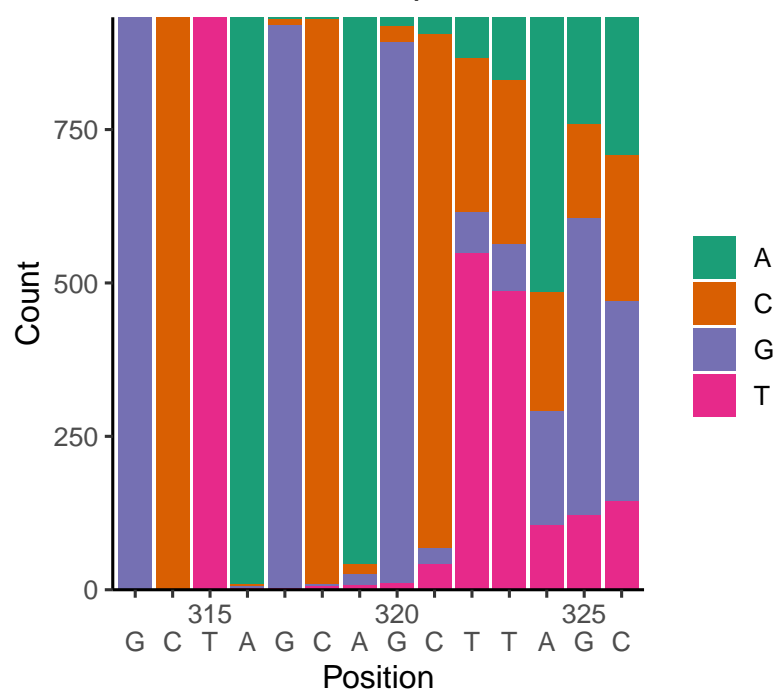


Gene TRBV7-1*ap01_T296C



Gene TRBV7-7*ap01_C315T



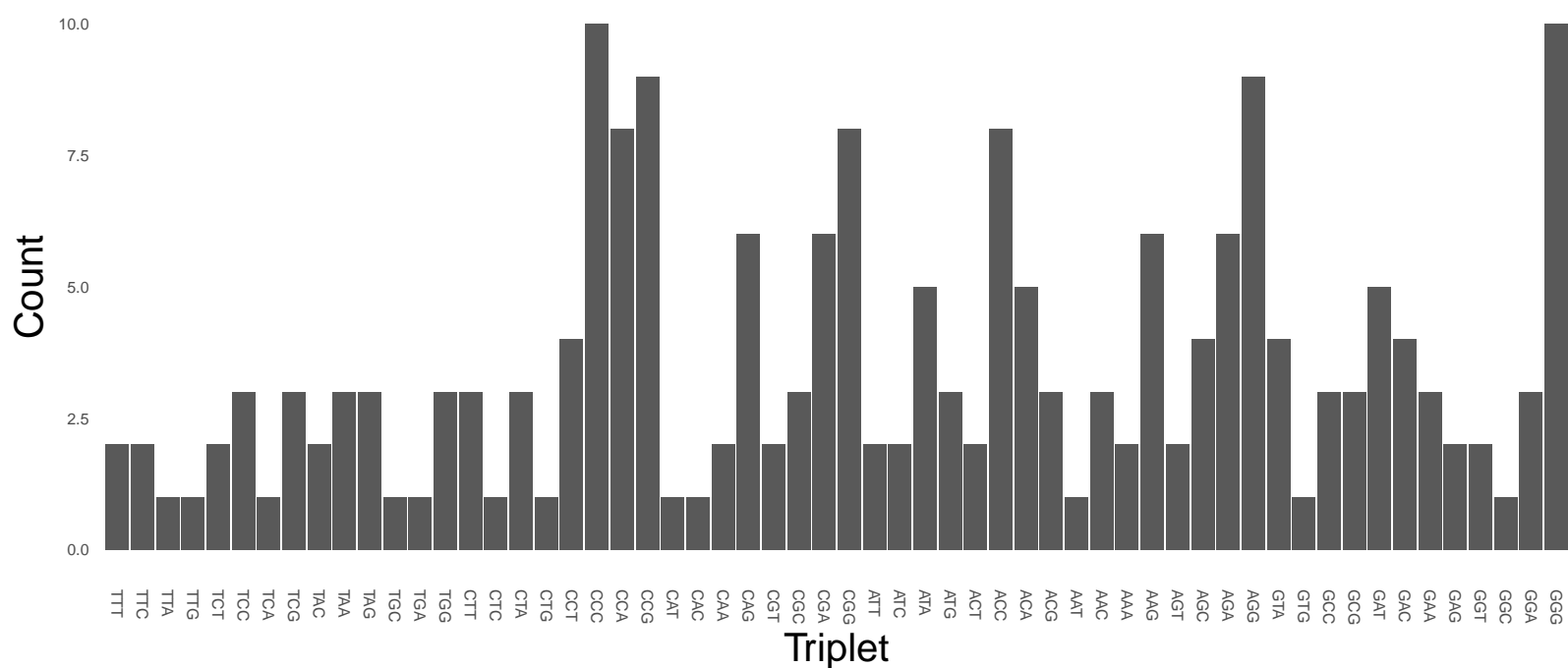
Gene TRBV7-1*ap01_T296C



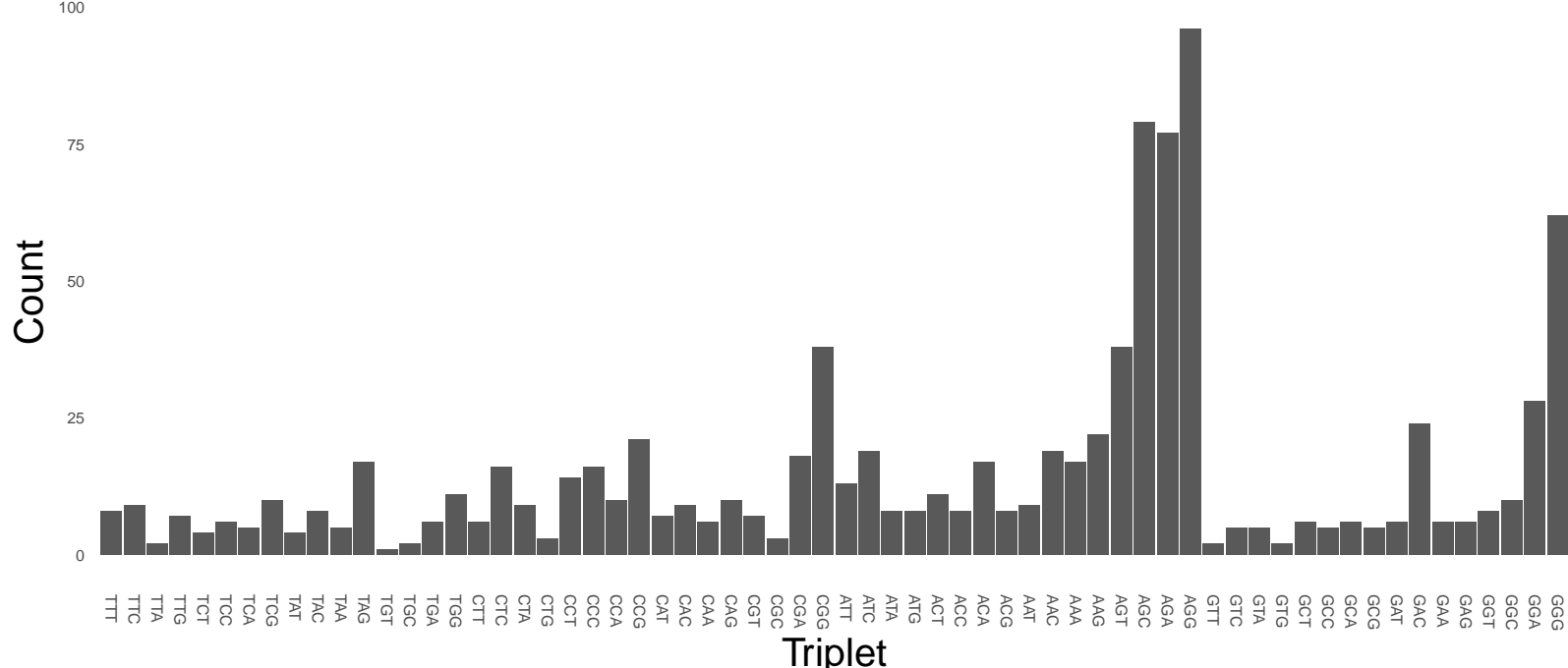
Gene TRBV7-7*ap01_C315T



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

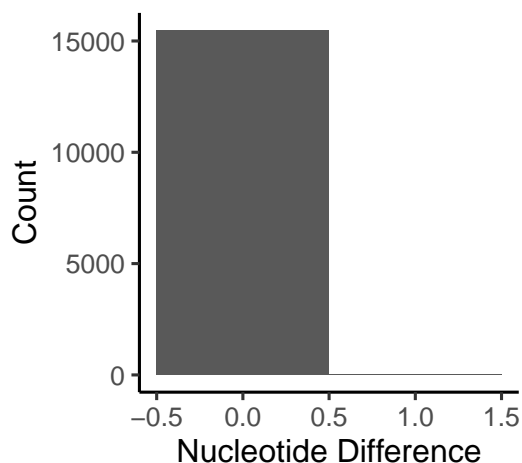


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



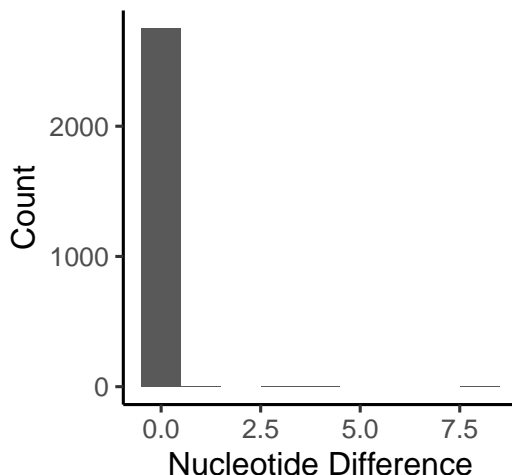
TRBV20-1*ap01

15508 sequences assigned
15486 (99.9%) exact matches, in which:
15476 unique CDR3
13 unique J



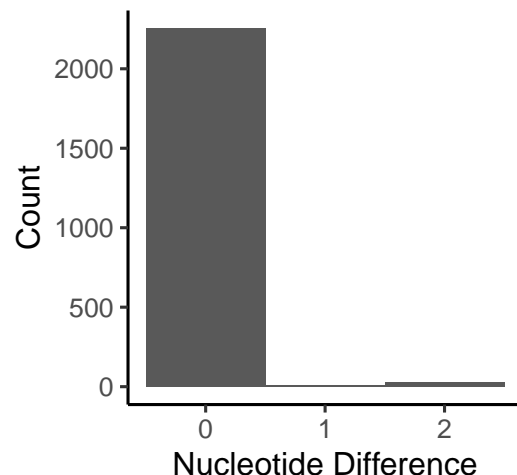
TRBV10-2*ap01

2758 sequences assigned
2751 (99.7%) exact matches, in which:
2751 unique CDR3
13 unique J



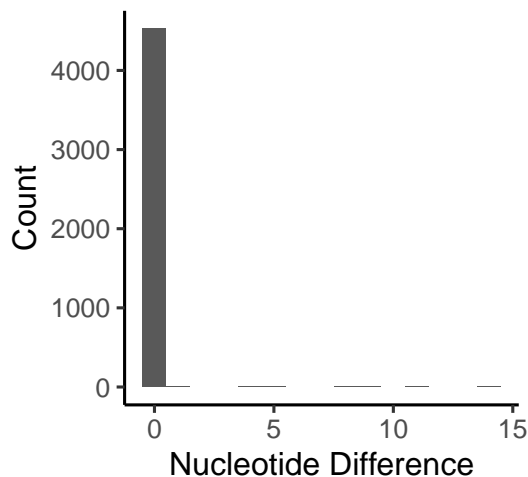
TRBV13*ap01

2290 sequences assigned
2254 (98.4%) exact matches, in which:
2252 unique CDR3
13 unique J



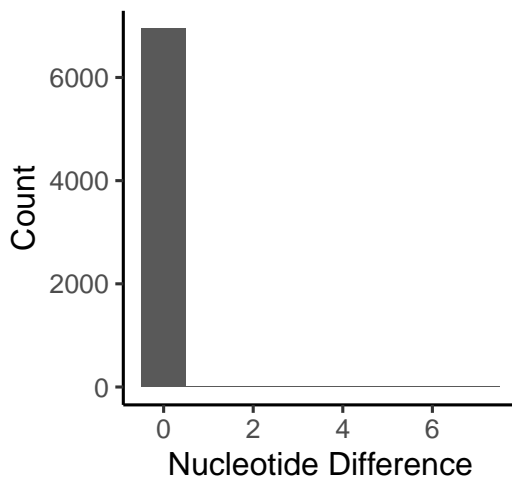
TRBV10-1*ap01

4552 sequences assigned
4527 (99.5%) exact matches, in which:
4526 unique CDR3
13 unique J



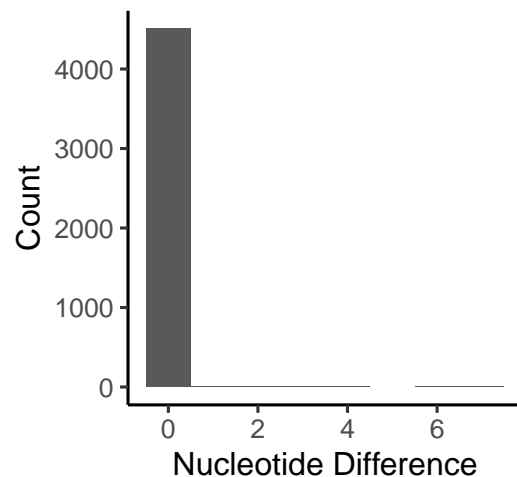
TRBV10-3*ap01

6968 sequences assigned
6945 (99.7%) exact matches, in which:
6943 unique CDR3
13 unique J



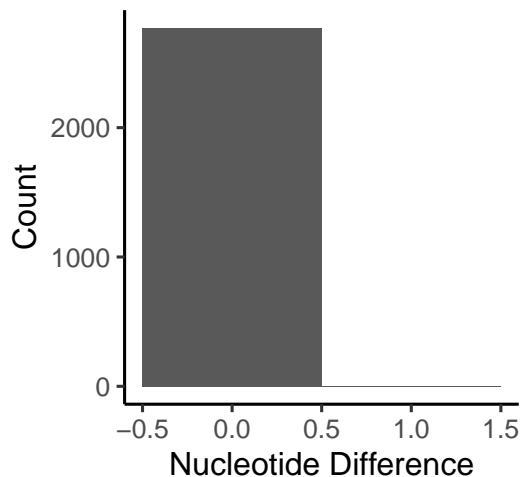
TRBV14*ap01

4516 sequences assigned
4507 (99.8%) exact matches, in which:
4506 unique CDR3
13 unique J



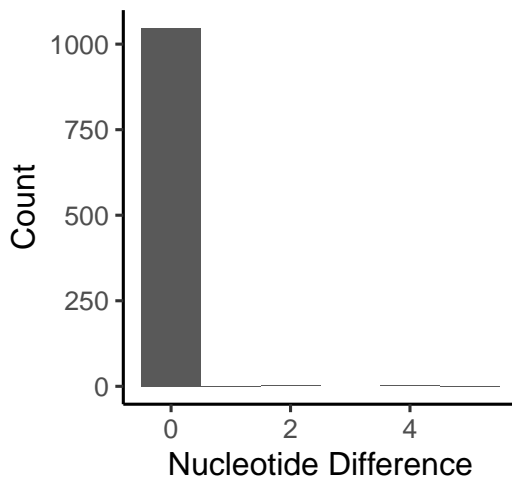
TRBV20-1*ap02

2772 sequences assigned
2770 (99.9%) exact matches, in which:
2769 unique CDR3
13 unique J



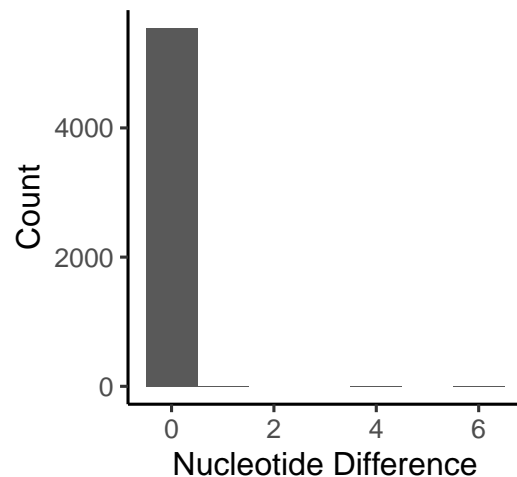
TRBV1*ap01

1053 sequences assigned
1047 (99.4%) exact matches, in which:
1042 unique CDR3
13 unique J



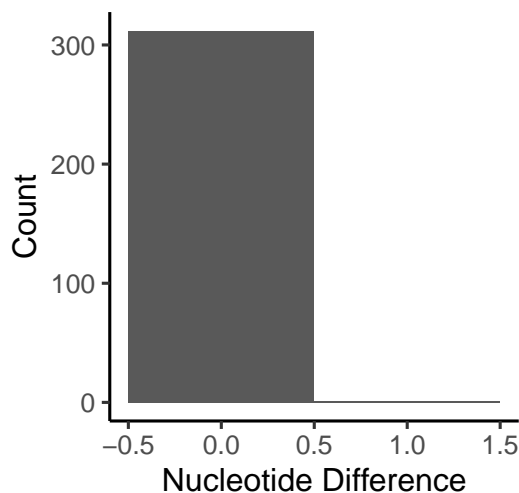
TRBV15*ap02

5557 sequences assigned
5546 (99.8%) exact matches, in which:
5532 unique CDR3
13 unique J



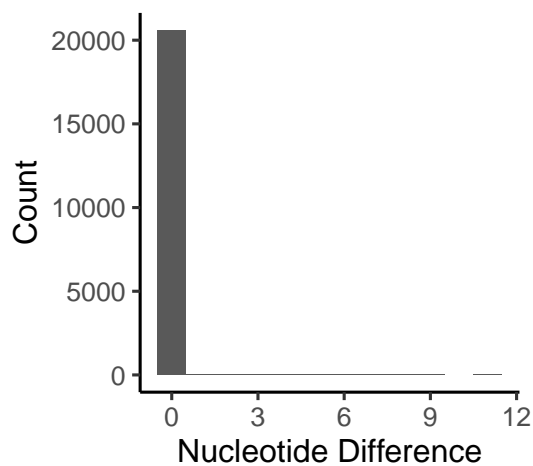
TRBV16*ap01

313 sequences assigned
312 (99.7%) exact matches, in which:
312 unique CDR3
13 unique J



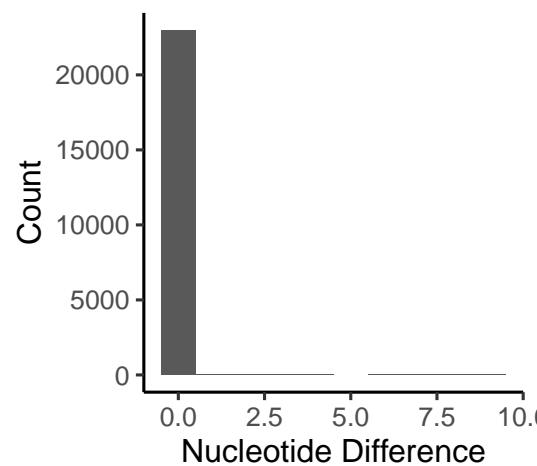
TRBV19*ap01

20664 sequences assigned
20600 (99.7%) exact matches, in which:
20599 unique CDR3
13 unique J



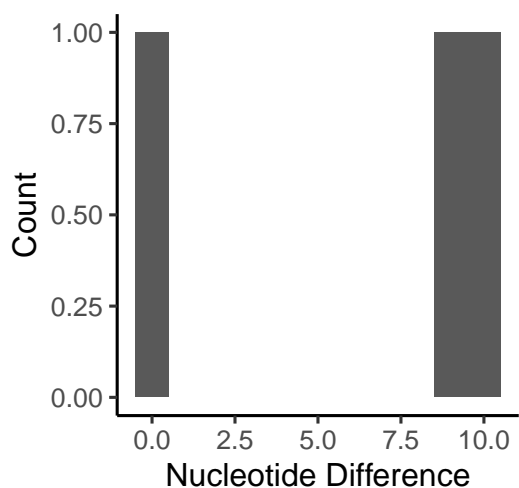
TRBV27*ap01

23067 sequences assigned
22981 (99.6%) exact matches, in which:
22908 unique CDR3
13 unique J



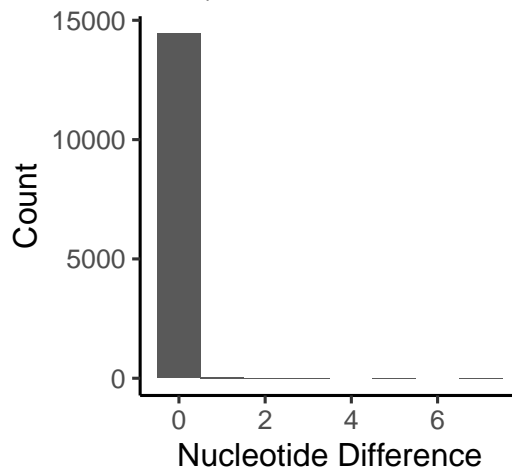
TRBV17*ap01

3 sequences assigned
1 (33.3%) exact matches, in which:
1 unique CDR3
1 unique J



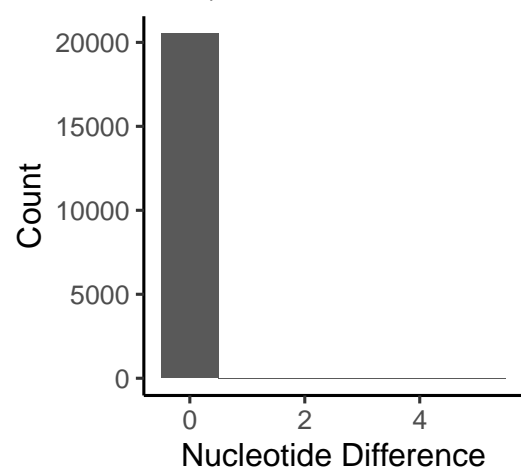
TRBV2*ap01

14507 sequences assigned
14447 (99.6%) exact matches, in which:
14412 unique CDR3
13 unique J



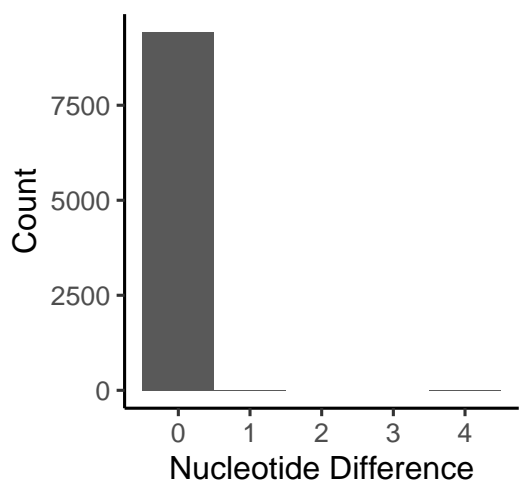
TRBV28*ap01

20577 sequences assigned
20530 (99.8%) exact matches, in which:
20527 unique CDR3
13 unique J



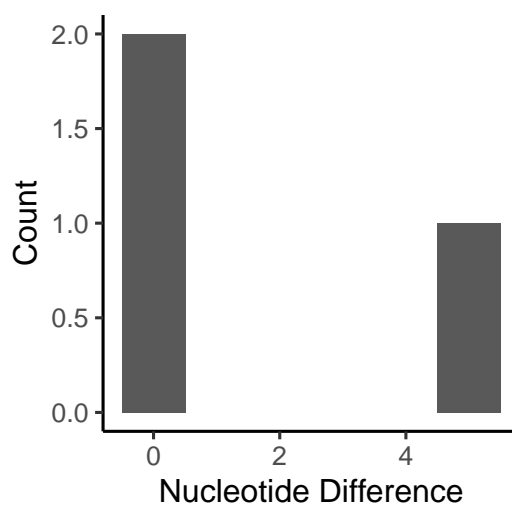
TRBV18*ap01

9432 sequences assigned
9426 (99.9%) exact matches, in which:
9424 unique CDR3
13 unique J



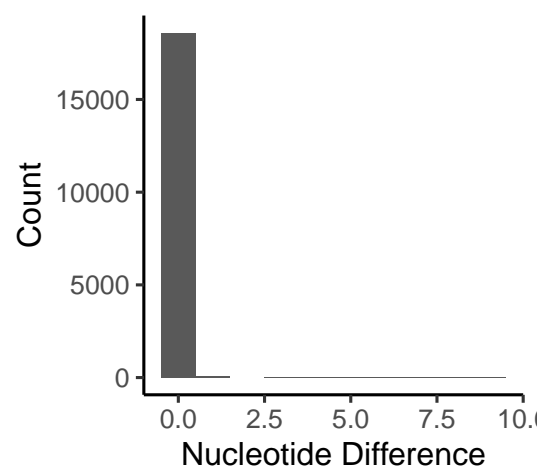
TRBV26*ap01

3 sequences assigned
2 (66.7%) exact matches, in which:
2 unique CDR3
1 unique J



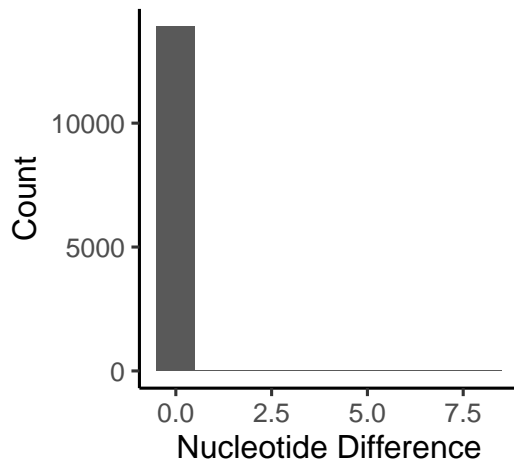
TRBV30*ap01

18721 sequences assigned
18597 (99.3%) exact matches, in which:
18560 unique CDR3
13 unique J



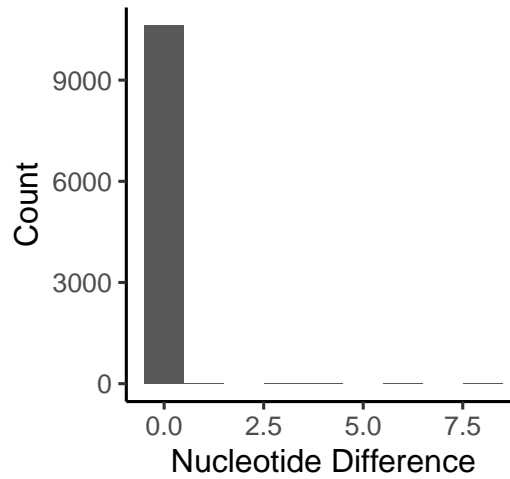
TRBV9*ap01

13952 sequences assigned
13914 (99.7%) exact matches, in which:
13900 unique CDR3
13 unique J



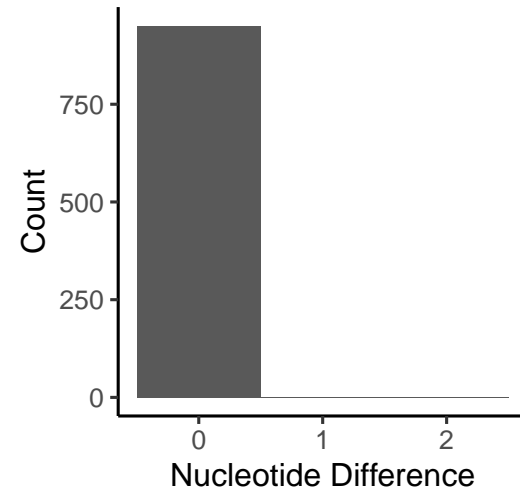
TRBV11-2*ap01

10641 sequences assigned
10622 (99.8%) exact matches, in which:
10619 unique CDR3
13 unique J



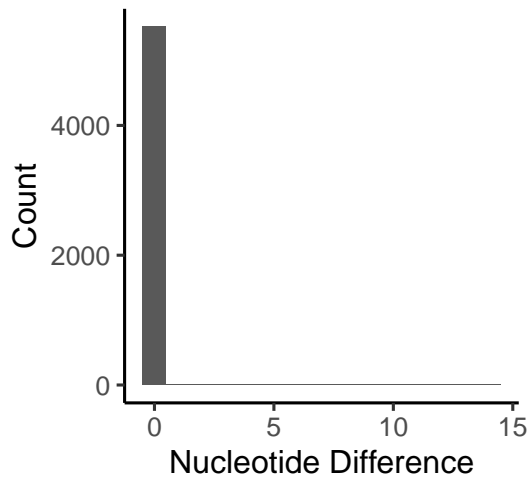
TRBV12-2*ap01

954 sequences assigned
951 (99.7%) exact matches, in which:
950 unique CDR3
13 unique J



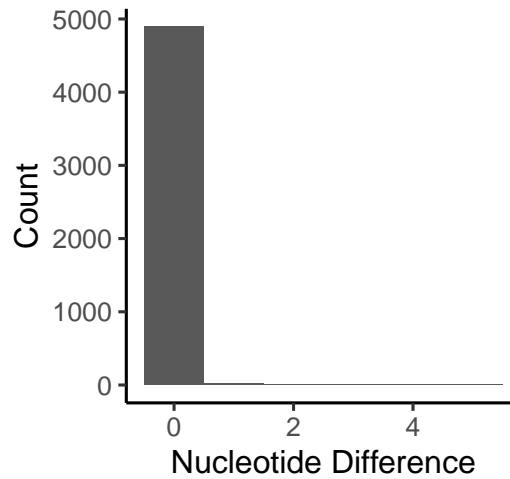
TRBV21-1*ap01

5583 sequences assigned
5521 (98.9%) exact matches, in which:
5521 unique CDR3
13 unique J



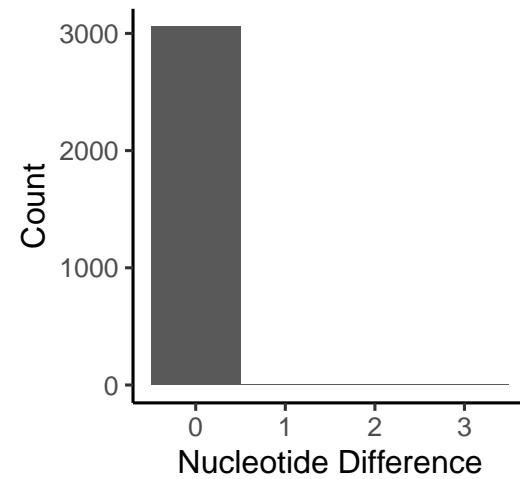
TRBV11-3*ap01

4918 sequences assigned
4894 (99.5%) exact matches, in which:
4893 unique CDR3
13 unique J



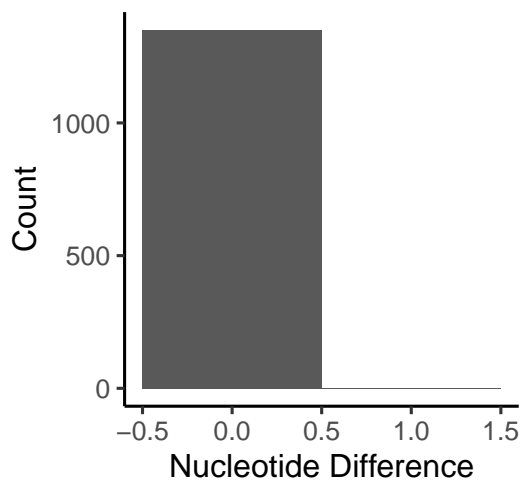
TRBV12-5*ap01

3066 sequences assigned
3057 (99.7%) exact matches, in which:
3057 unique CDR3
13 unique J



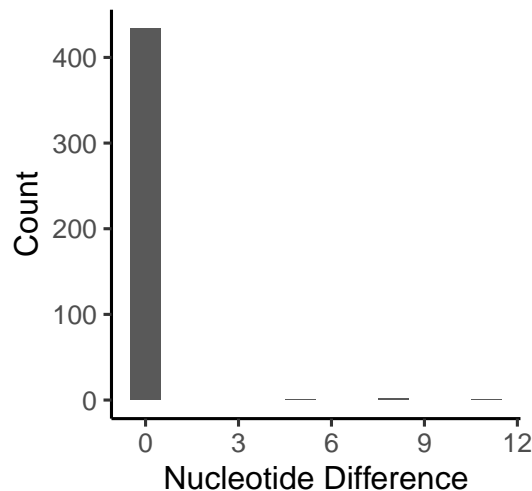
TRBV11-1*ap01

1351 sequences assigned
1350 (99.9%) exact matches, in which:
1350 unique CDR3
13 unique J



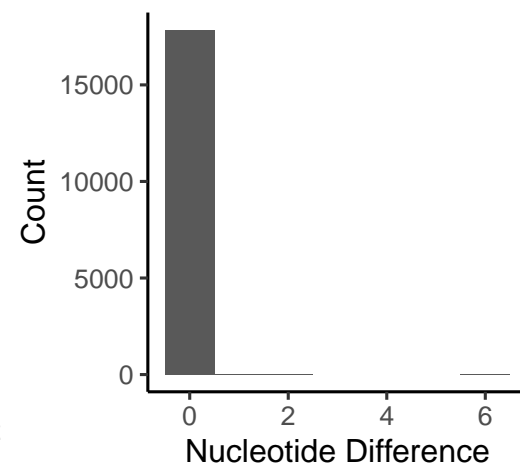
TRBV12-1*ap01

438 sequences assigned
434 (99.1%) exact matches, in which:
434 unique CDR3
13 unique J



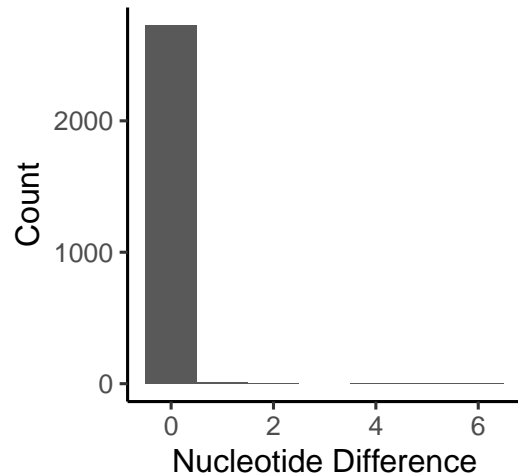
TRBV12-34*ap01

17886 sequences assigned
17853 (99.8%) exact matches, in which:
17851 unique CDR3
13 unique J



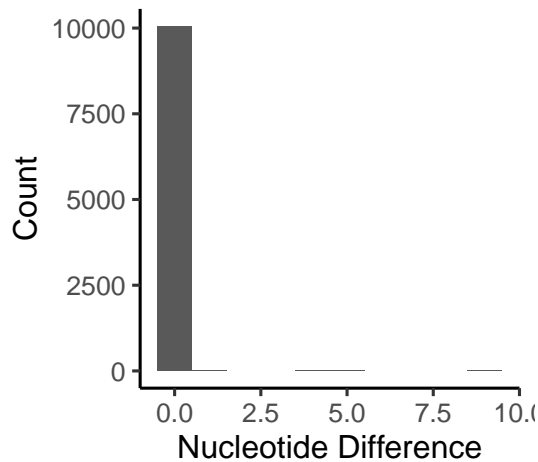
TRBV23-1*ap01

2745 sequences assigned
2726 (99.3%) exact matches, in which:
2726 unique CDR3
13 unique J



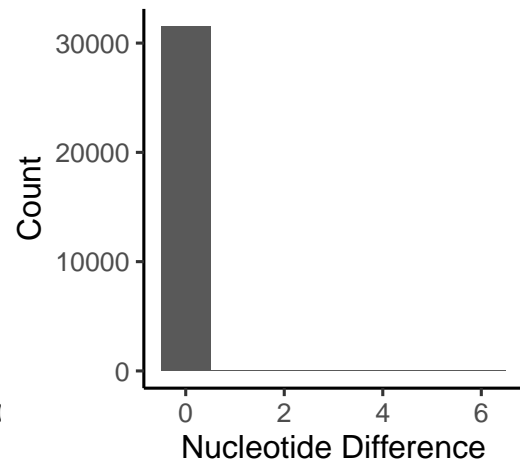
TRBV4-1*ap01

10080 sequences assigned
10056 (99.8%) exact matches, in which:
10050 unique CDR3
13 unique J



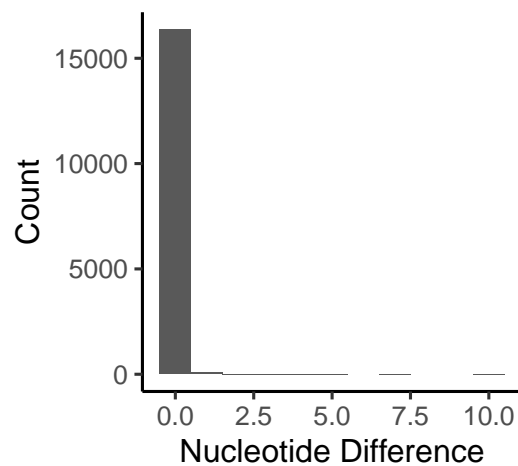
TRBV5-1*ap01

31606 sequences assigned
31549 (99.8%) exact matches, in which:
31488 unique CDR3
13 unique J



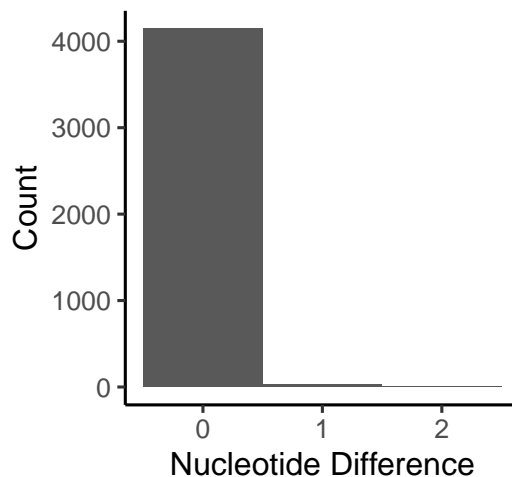
TRBV3-12*ap01

16446 sequences assigned
16367 (99.5%) exact matches, in which:
16322 unique CDR3
13 unique J



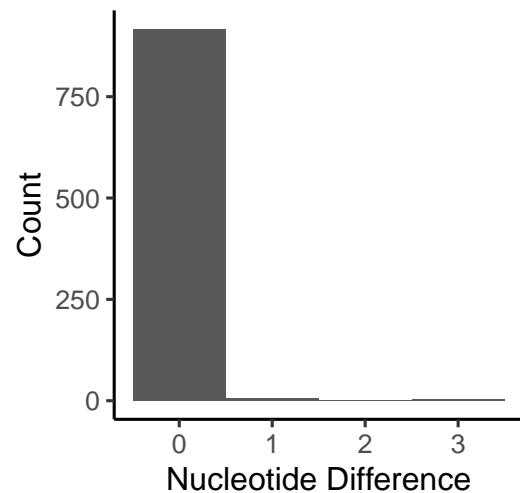
TRBV4-2*ap01

4173 sequences assigned
4145 (99.3%) exact matches, in which:
4145 unique CDR3
13 unique J



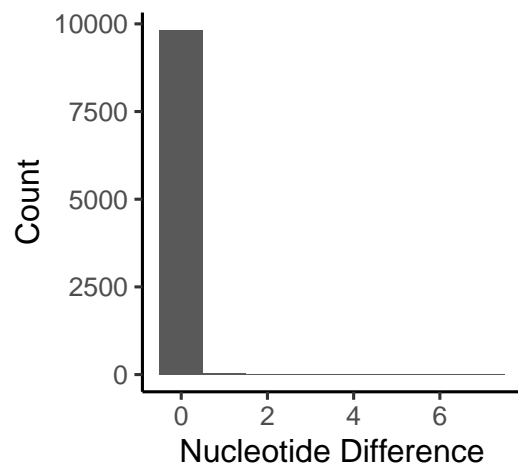
TRBV5-3*ap01

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



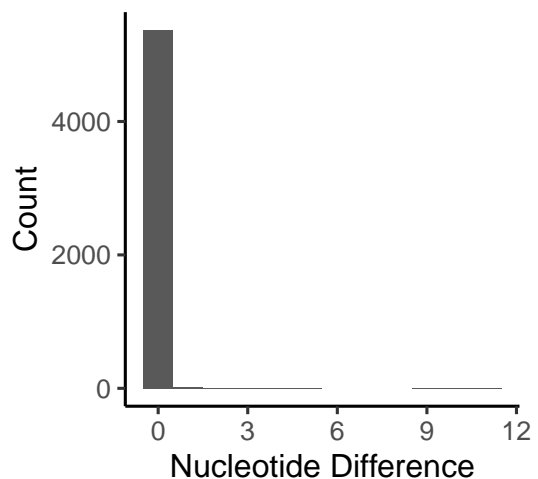
TRBV24-1*ap01

9885 sequences assigned
9831 (99.5%) exact matches, in which:
9813 unique CDR3
14 unique J



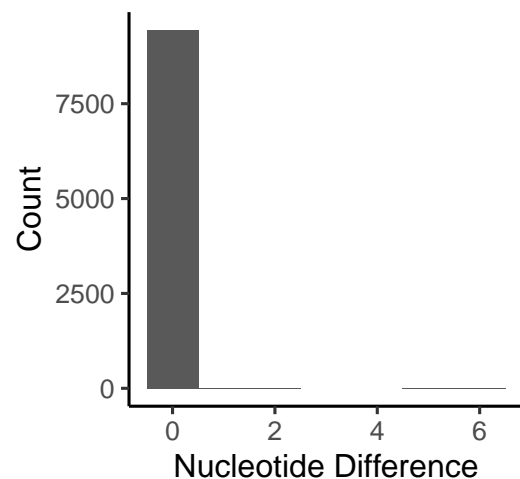
TRBV25-1*ap01

5406 sequences assigned
5371 (99.4%) exact matches, in which:
5357 unique CDR3
13 unique J



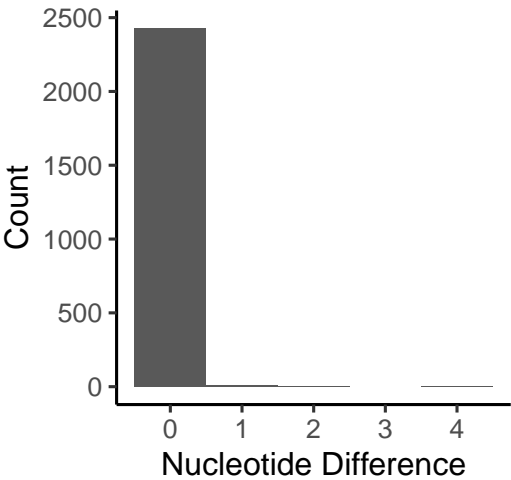
TRBV5-4*ap01

9459 sequences assigned
9440 (99.8%) exact matches, in which:
9440 unique CDR3
13 unique J



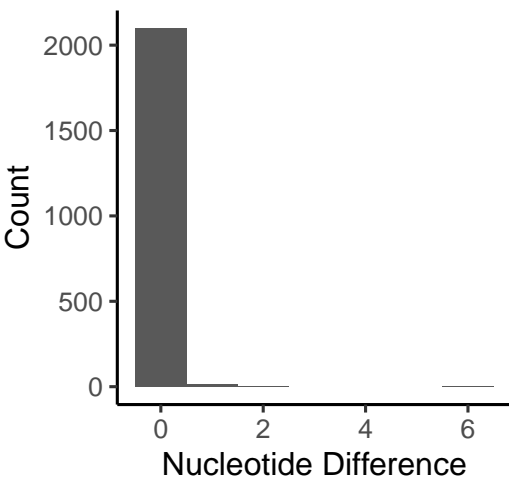
TRBV5-5*ap01

2438 sequences assigned
2427 (99.5%) exact matches, in which:
2424 unique CDR3
13 unique J



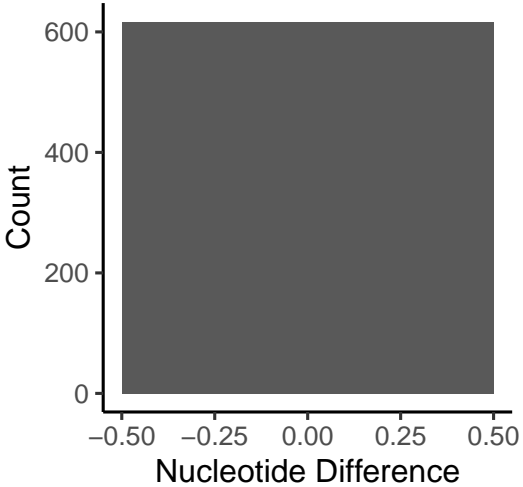
TRBV5-8*ap01

2115 sequences assigned
2098 (99.2%) exact matches, in which:
2098 unique CDR3
13 unique J



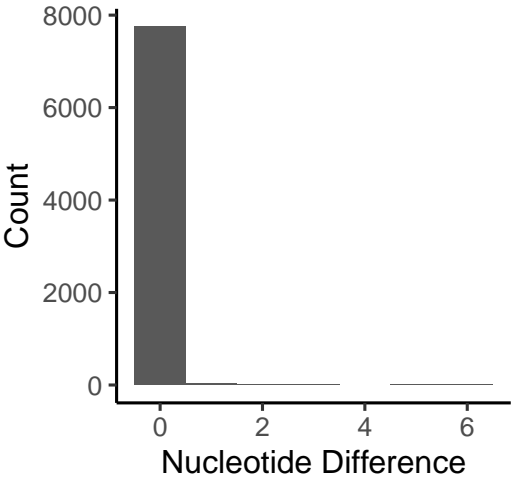
TRBV6-7*ap01

617 sequences assigned
617 (100%) exact matches, in which:
616 unique CDR3
13 unique J



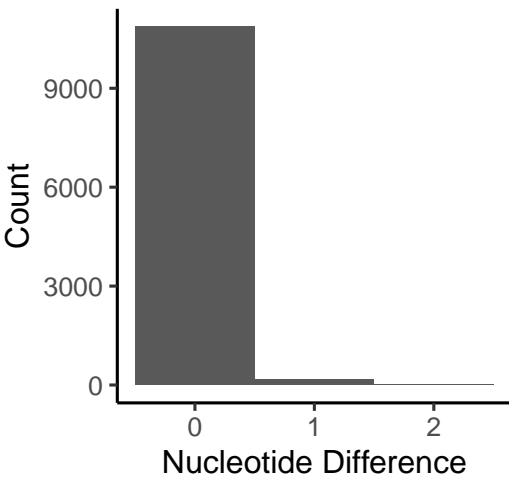
TRBV5-6*ap01

7778 sequences assigned
7749 (99.6%) exact matches, in which:
7721 unique CDR3
13 unique J



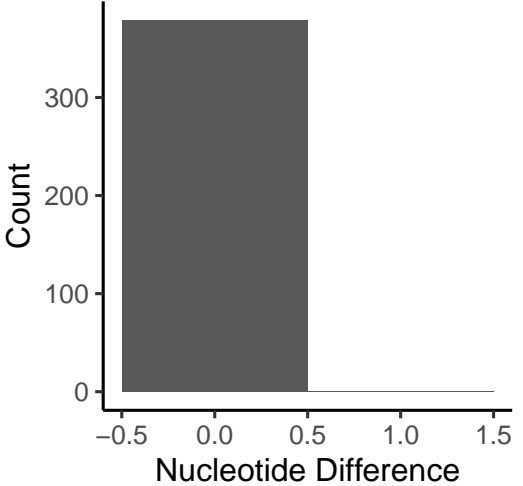
TRBV6-1*ap01

11041 sequences assigned
10867 (98.4%) exact matches, in which:
10858 unique CDR3
13 unique J



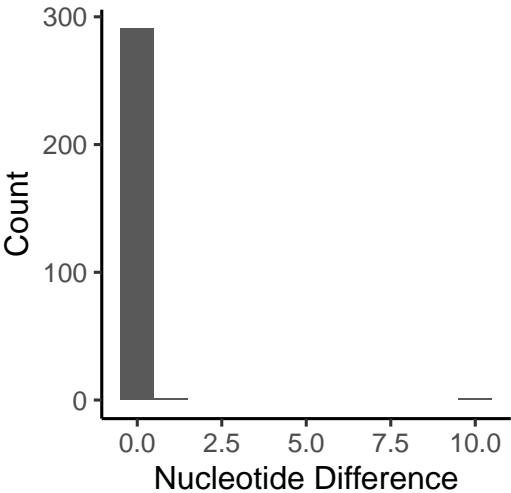
TRBV6-8*ap01

380 sequences assigned
379 (99.7%) exact matches, in which:
379 unique CDR3
13 unique J



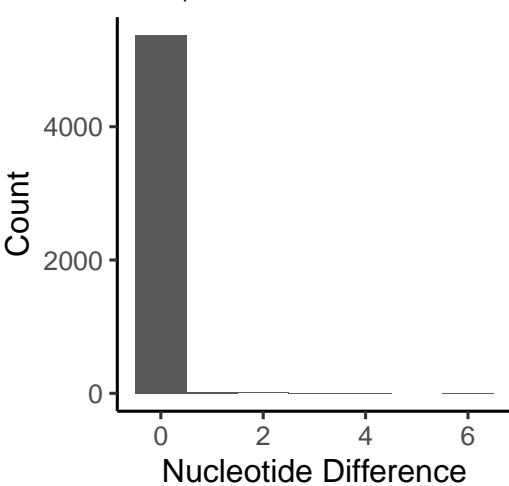
TRBV5-7*ap01

293 sequences assigned
291 (99.3%) exact matches, in which:
291 unique CDR3
13 unique J



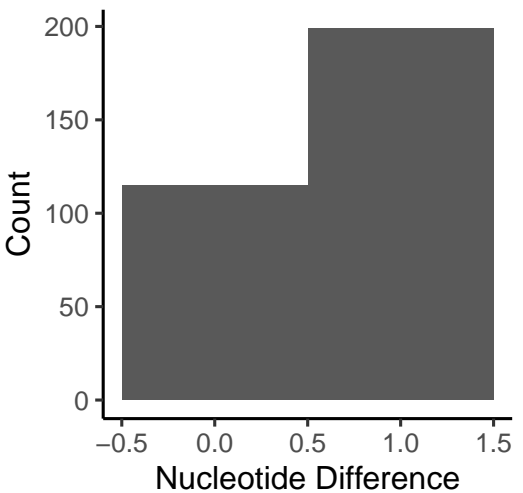
TRBV6-4*ap01

5408 sequences assigned
5375 (99.4%) exact matches, in which:
5373 unique CDR3
13 unique J



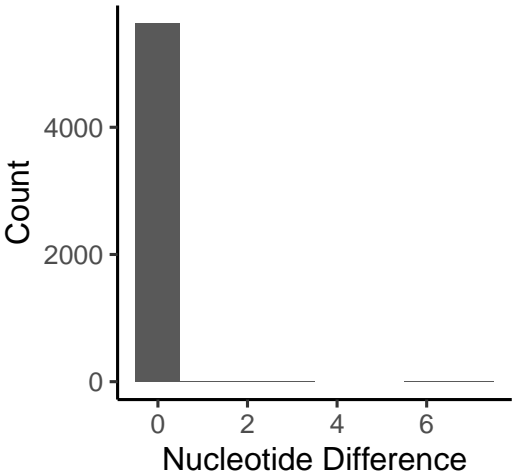
TRBV6-9*ap01

314 sequences assigned
115 (36.6%) exact matches, in which:
115 unique CDR3
13 unique J



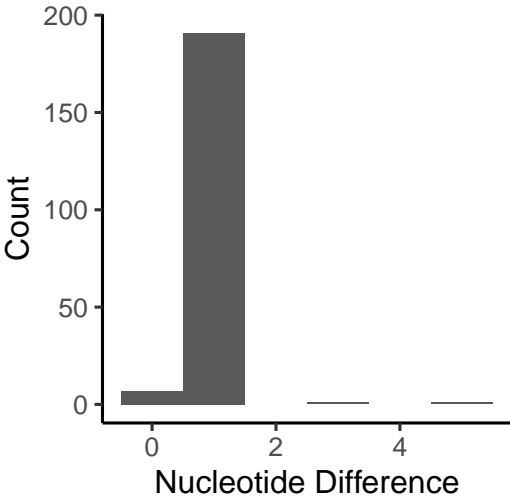
TRBV6-23*ap01

5652 sequences assigned
5633 (99.7%) exact matches, in which:
5622 unique CDR3
13 unique J



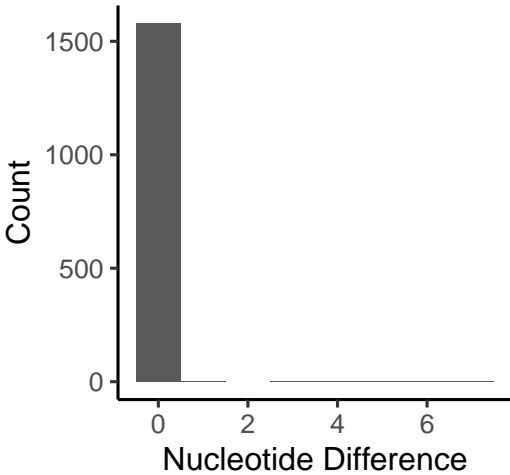
TRBV7-1*ap01_T296C

200 sequences assigned
7 (3.5%) exact matches, in which:
7 unique CDR3
5 unique J



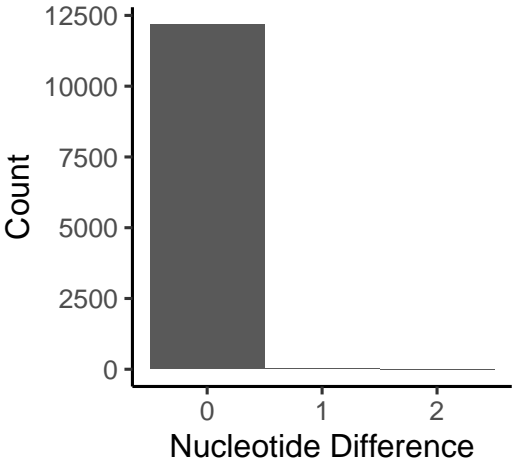
TRBV7-3*ap03

1590 sequences assigned
1579 (99.3%) exact matches, in which:
1579 unique CDR3
12 unique J



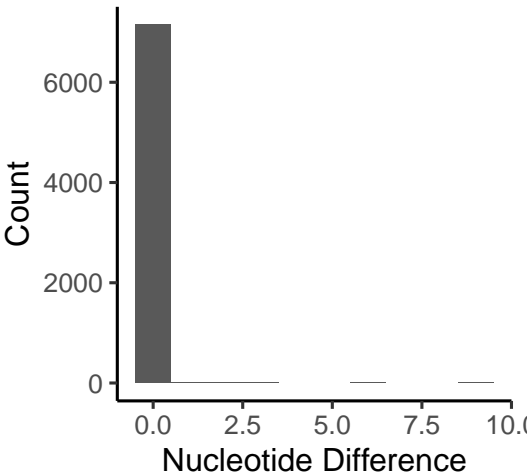
TRBV6-56*ap01

12208 sequences assigned
12180 (99.8%) exact matches, in which:
12164 unique CDR3
13 unique J



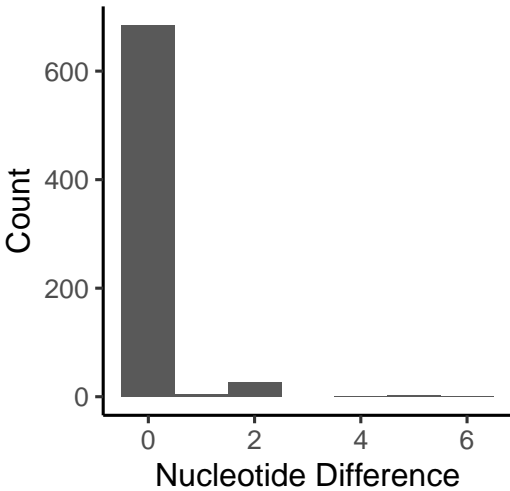
TRBV7-2*ap01

7165 sequences assigned
7148 (99.8%) exact matches, in which:
7146 unique CDR3
13 unique J



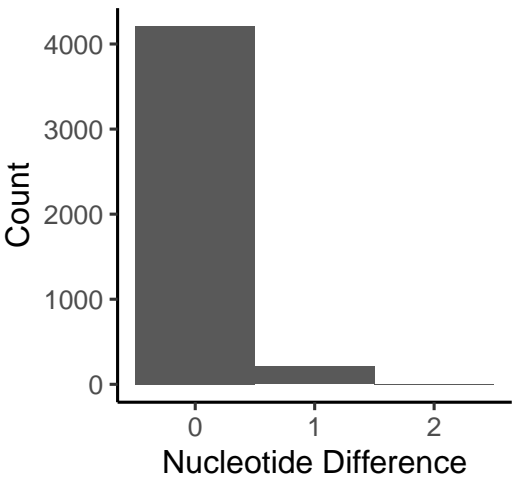
TRBV7-4*ap01

720 sequences assigned
685 (95.1%) exact matches, in which:
685 unique CDR3
14 unique J



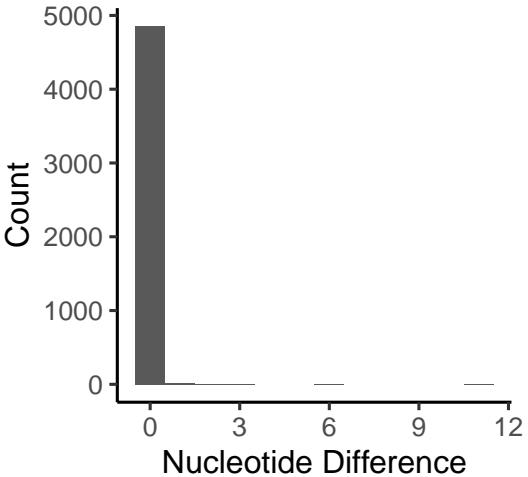
TRBV6-56*ap02

4423 sequences assigned
4211 (95.2%) exact matches, in which:
4205 unique CDR3
13 unique J



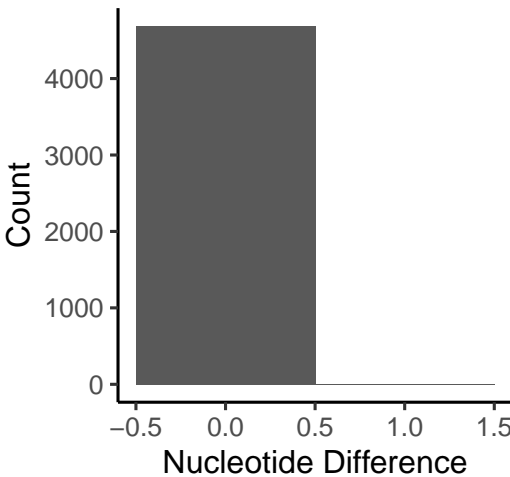
TRBV7-3*ap01

4878 sequences assigned
4856 (99.5%) exact matches, in which:
4852 unique CDR3
13 unique J



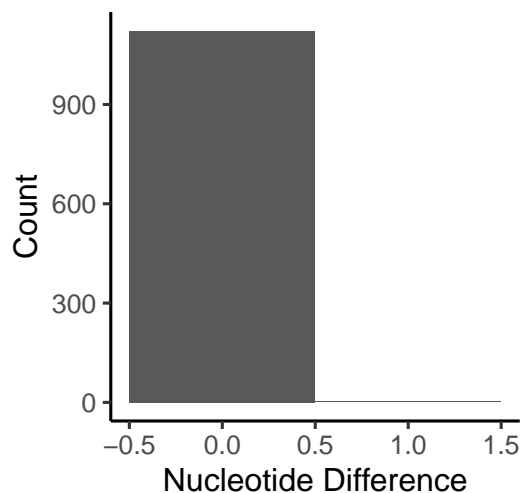
TRBV7-6*ap01

4690 sequences assigned
4687 (99.9%) exact matches, in which:
4685 unique CDR3
13 unique J



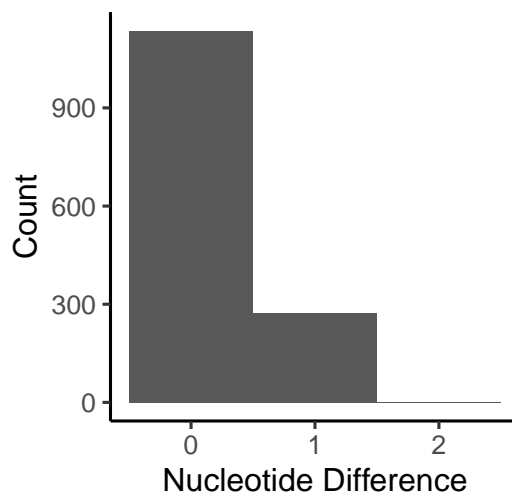
TRBV7-7*ap01

1126 sequences assigned
1123 (99.7%) exact matches, in which:
1122 unique CDR3
12 unique J



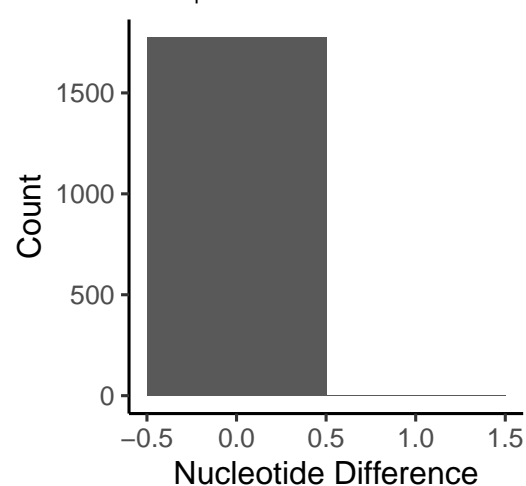
TRBV7-8*ap03

1410 sequences assigned
1136 (80.6%) exact matches, in which:
1135 unique CDR3
13 unique J



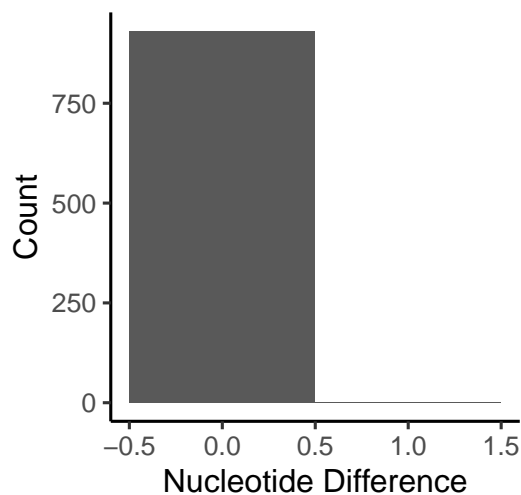
TRBV29-1*ap02

1779 sequences assigned
1775 (99.8%) exact matches, in which:
1771 unique CDR3
13 unique J



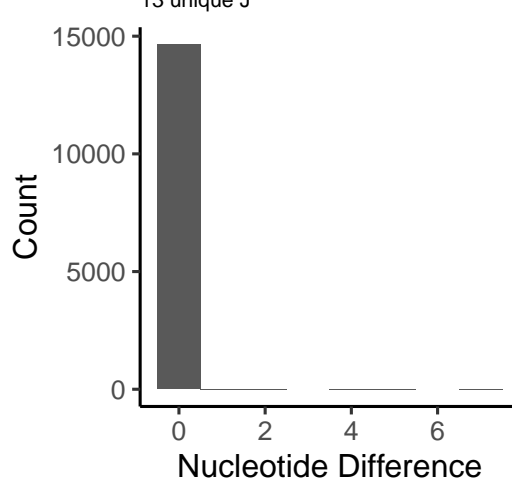
TRBV7-7*ap01_C315T

933 sequences assigned
931 (99.8%) exact matches, in which:
931 unique CDR3
13 unique J



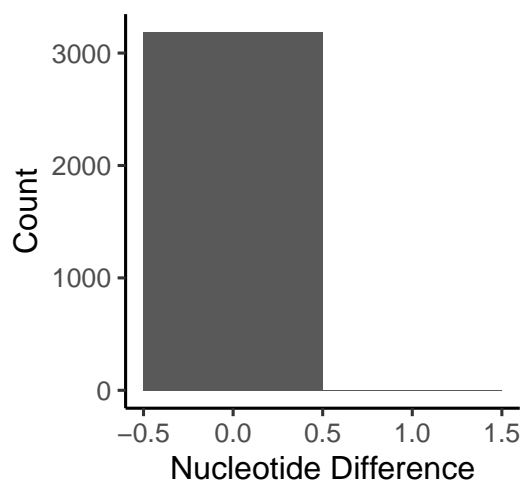
TRBV7-9*ap01

14674 sequences assigned
14648 (99.8%) exact matches, in which:
14642 unique CDR3
13 unique J



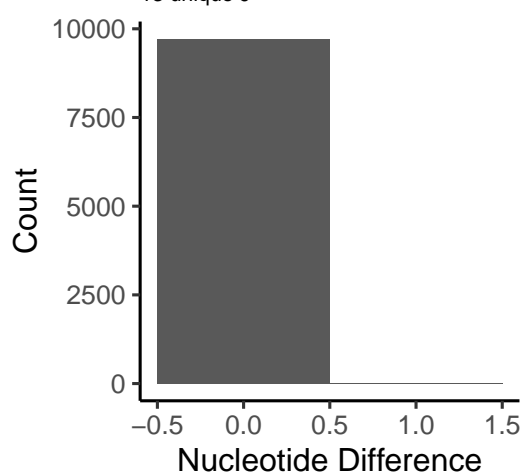
TRBV7-8*ap01

3190 sequences assigned
3187 (99.9%) exact matches, in which:
3187 unique CDR3
13 unique J

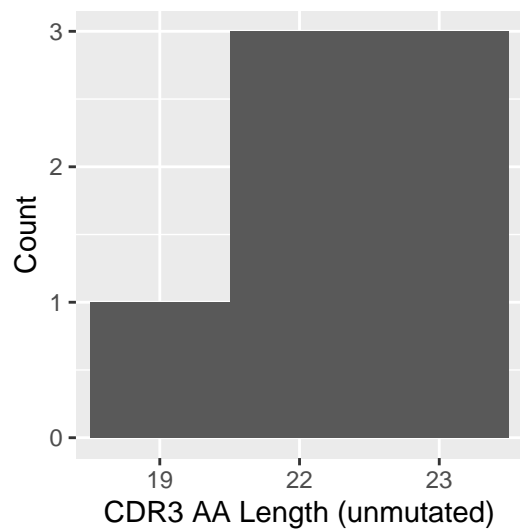


TRBV29-1*ap01

9746 sequences assigned
9718 (99.7%) exact matches, in which:
9687 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

