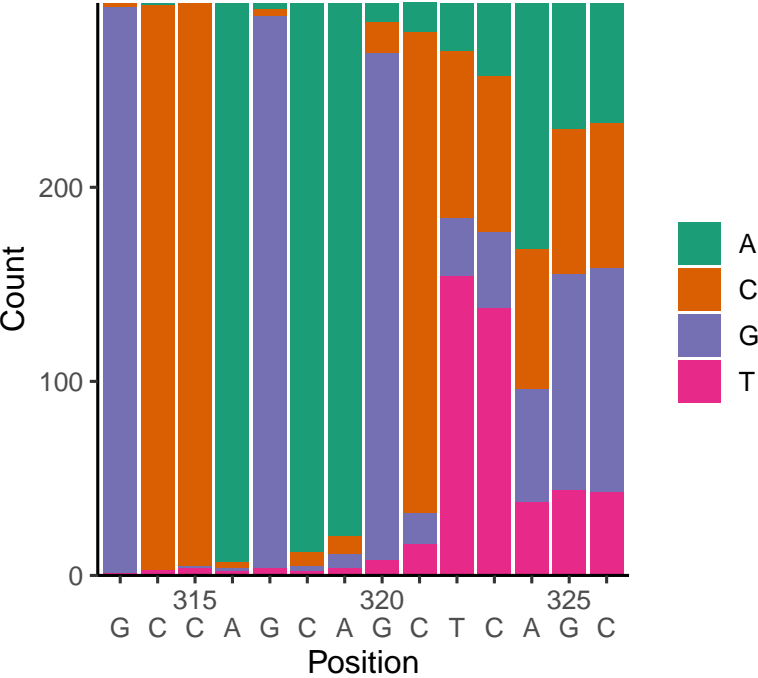


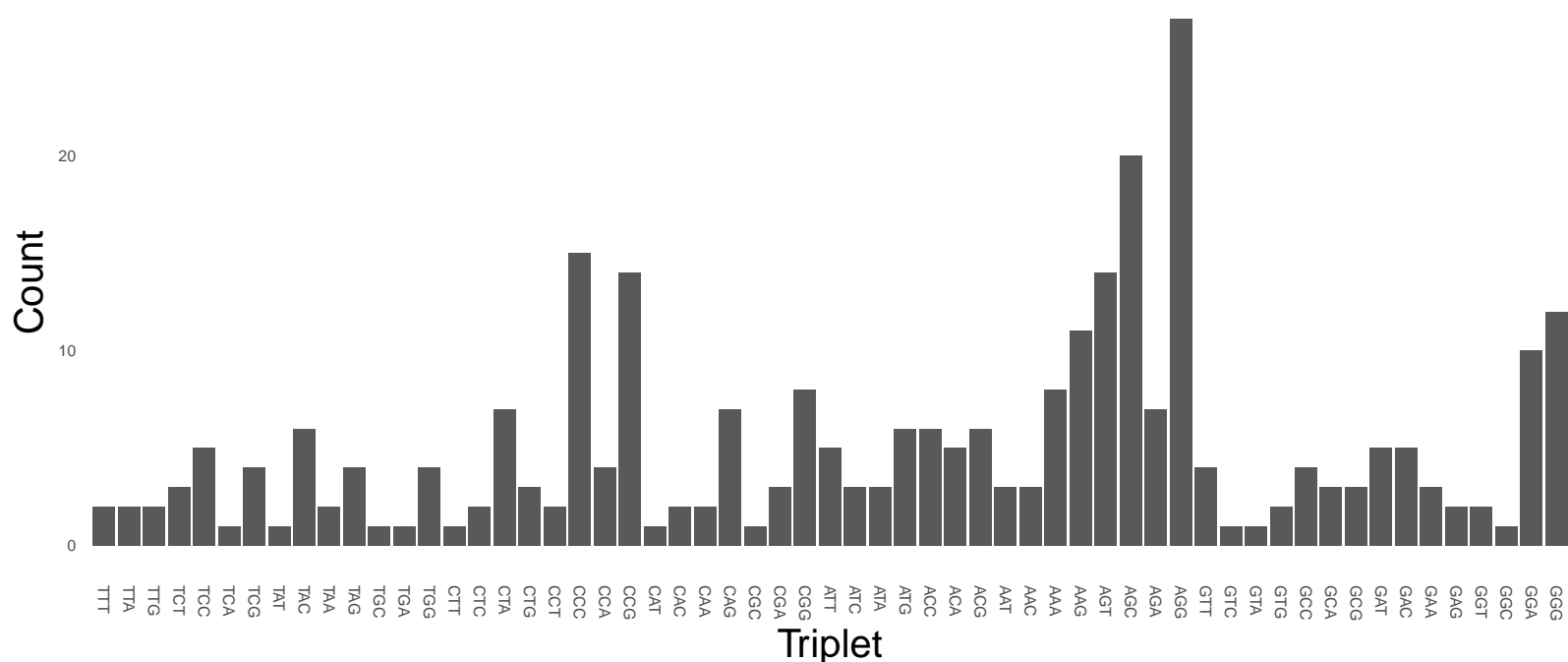
Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-1*ap01_G291C_T296C

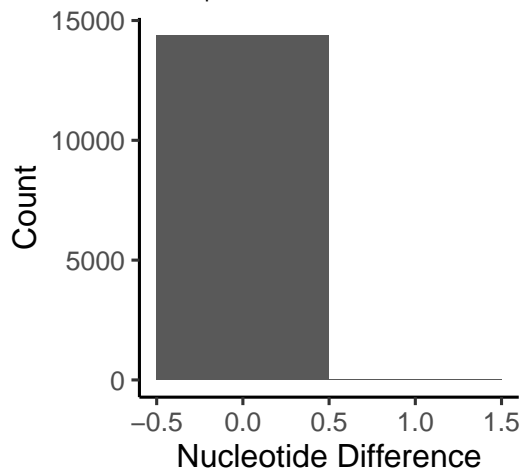


TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



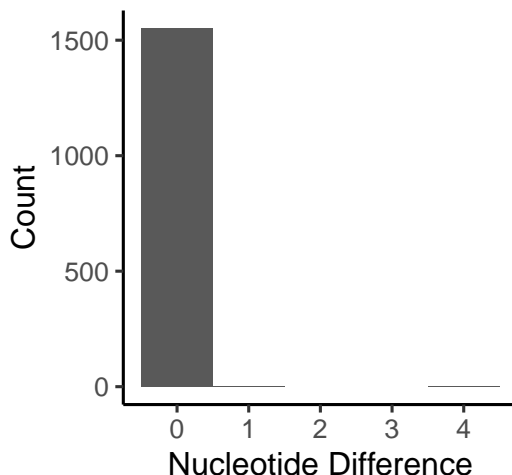
TRBV20-1*ap01

14421 sequences assigned
14389 (99.8%) exact matches, in which:
14376 unique CDR3
13 unique J



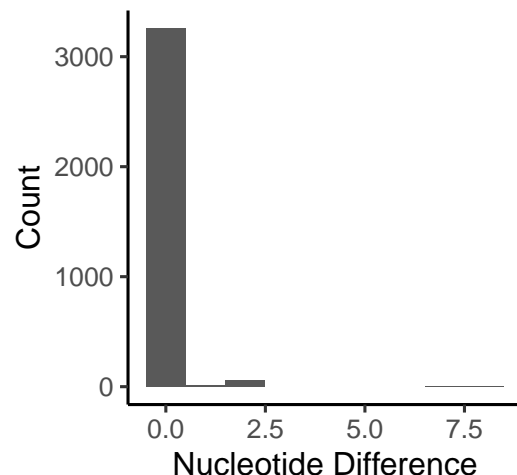
TRBV10-2*ap01

1554 sequences assigned
1551 (99.8%) exact matches, in which:
1551 unique CDR3
13 unique J



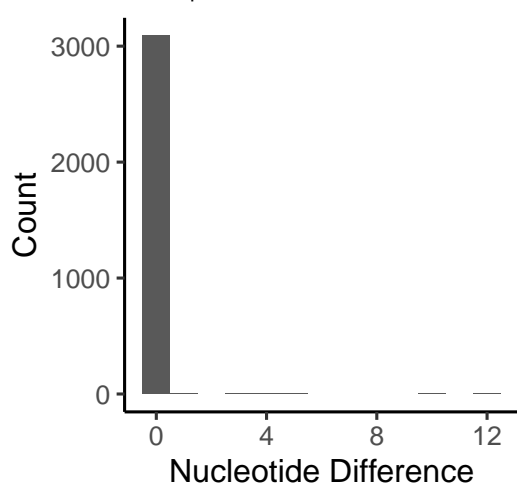
TRBV13*ap01

3333 sequences assigned
3257 (97.7%) exact matches, in which:
3251 unique CDR3
13 unique J



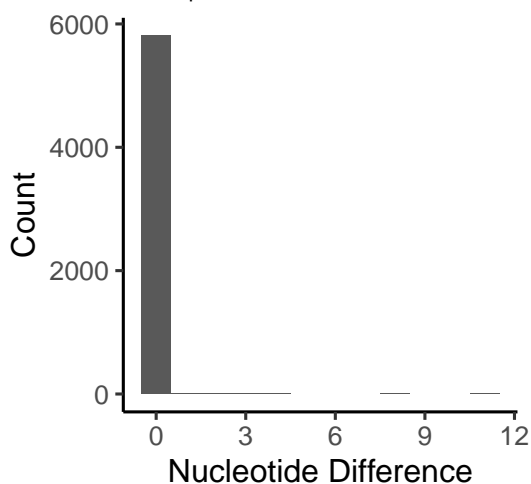
TRBV10-1*ap01

3103 sequences assigned
3090 (99.6%) exact matches, in which:
3089 unique CDR3
13 unique J



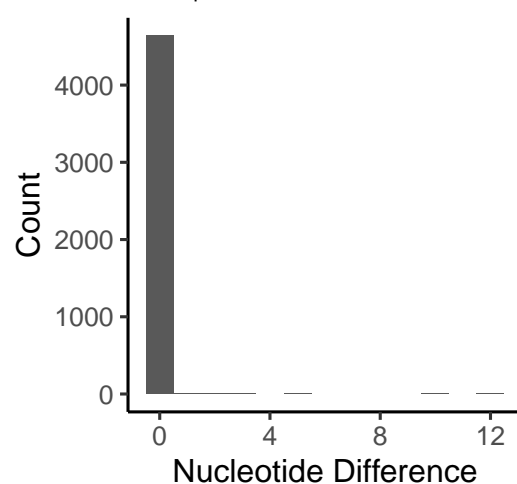
TRBV10-3*ap01

5827 sequences assigned
5809 (99.7%) exact matches, in which:
5807 unique CDR3
13 unique J



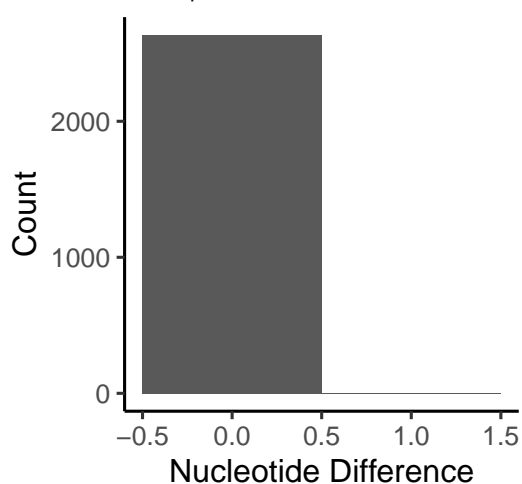
TRBV14*ap01

4654 sequences assigned
4639 (99.7%) exact matches, in which:
4631 unique CDR3
13 unique J



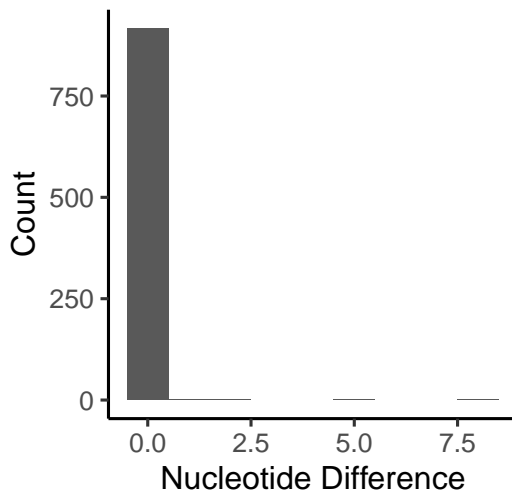
TRBV20-1*ap02

2638 sequences assigned
2634 (99.8%) exact matches, in which:
2633 unique CDR3
13 unique J



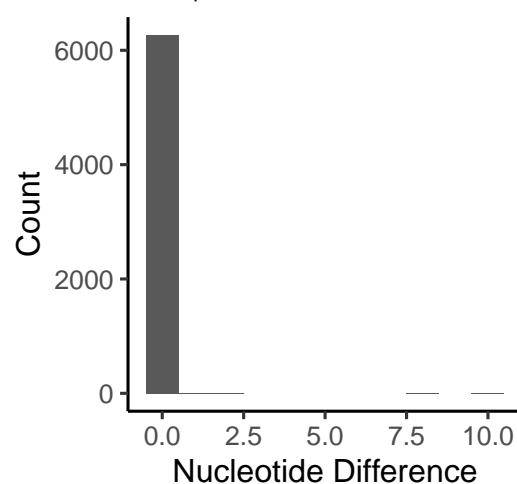
TRBV1*ap01

924 sequences assigned
917 (99.2%) exact matches, in which:
915 unique CDR3
13 unique J



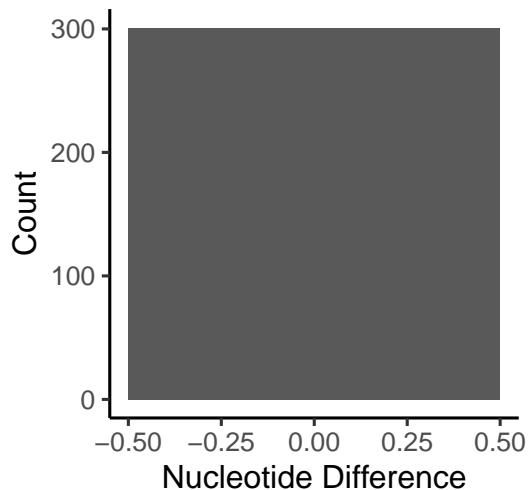
TRBV15*ap02

6280 sequences assigned
6267 (99.8%) exact matches, in which:
6256 unique CDR3
13 unique J



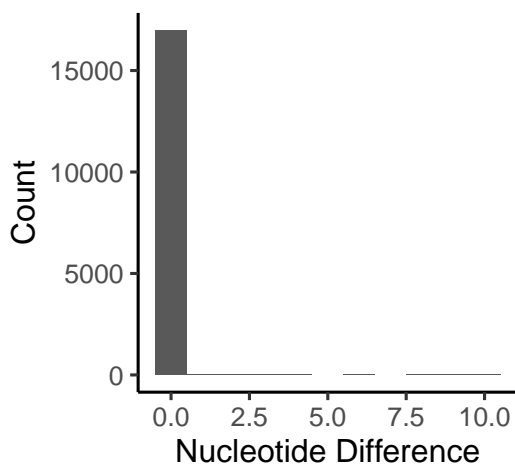
TRBV16*ap01

301 sequences assigned
301 (100%) exact matches, in which:
301 unique CDR3
13 unique J



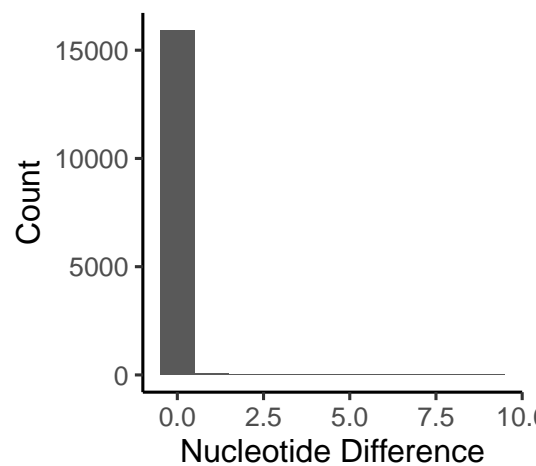
TRBV19*ap01

17049 sequences assigned
16990 (99.7%) exact matches, in which:
16988 unique CDR3
13 unique J



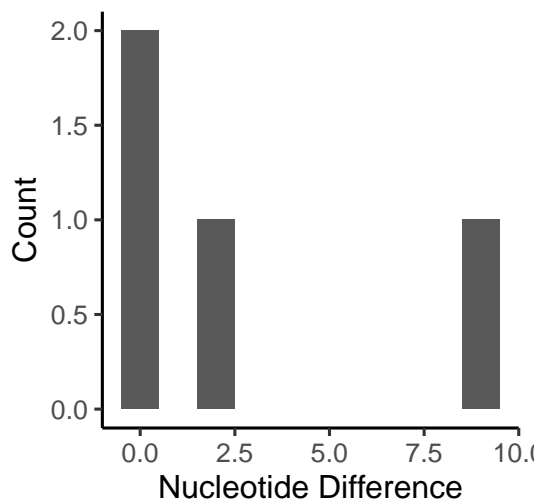
TRBV27*ap01

16011 sequences assigned
15927 (99.5%) exact matches, in which:
15897 unique CDR3
13 unique J



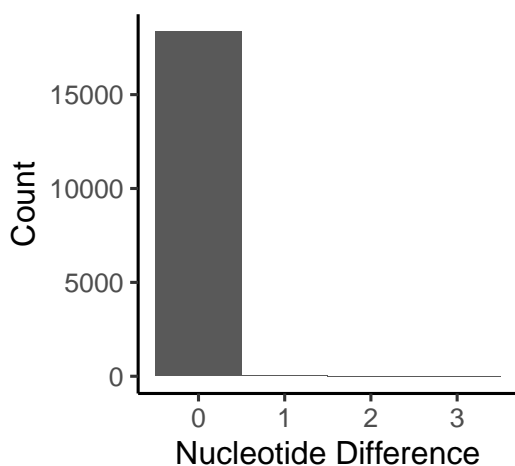
TRBV17*ap01

4 sequences assigned
2 (50%) exact matches, in which:
2 unique CDR3
2 unique J



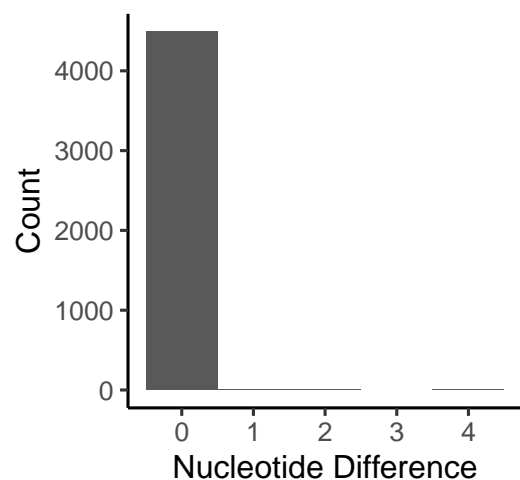
TRBV2*ap01

18425 sequences assigned
18364 (99.7%) exact matches, in which:
18328 unique CDR3
13 unique J



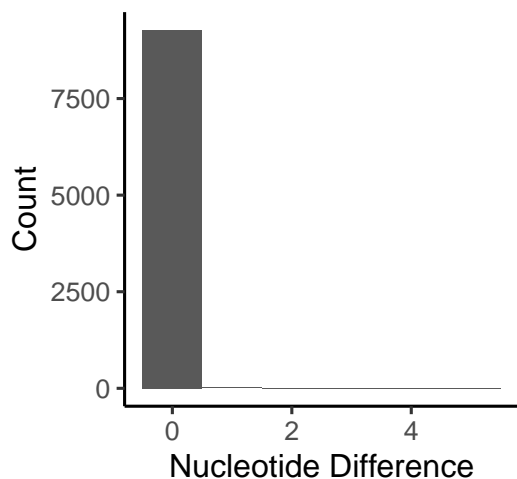
TRBV28*ap01

4500 sequences assigned
4490 (99.8%) exact matches, in which:
4490 unique CDR3
13 unique J



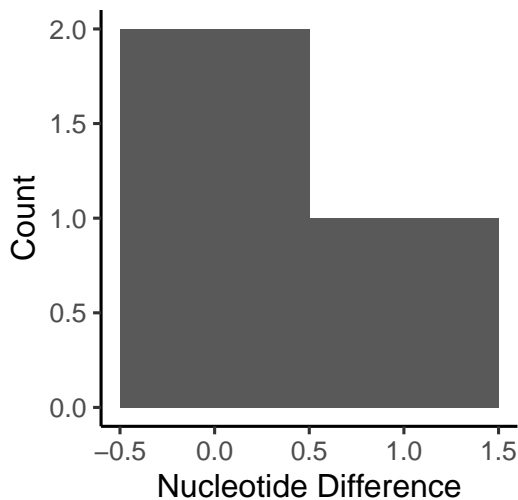
TRBV18*ap01

9298 sequences assigned
9273 (99.7%) exact matches, in which:
9270 unique CDR3
13 unique J



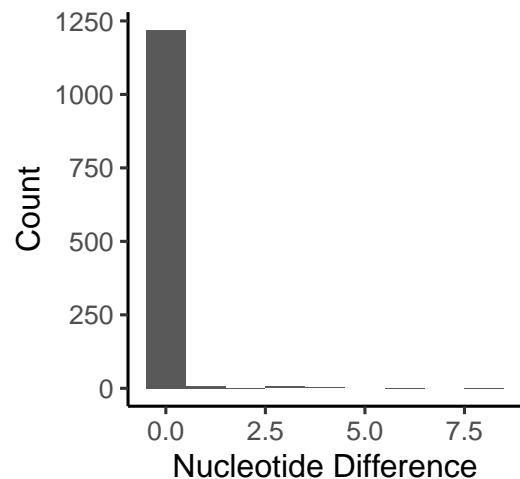
TRBV26*ap01

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



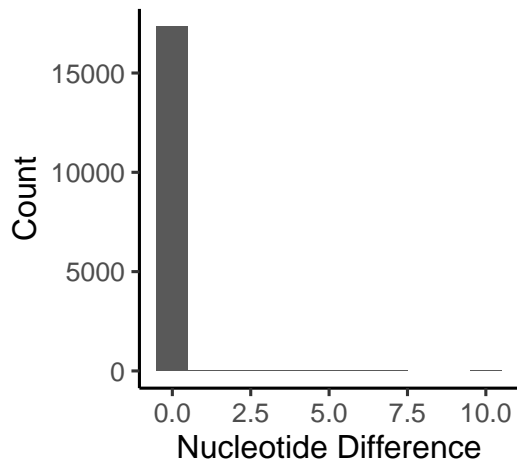
TRBV30*ap02

1240 sequences assigned
1219 (98.3%) exact matches, in which:
1219 unique CDR3
13 unique J



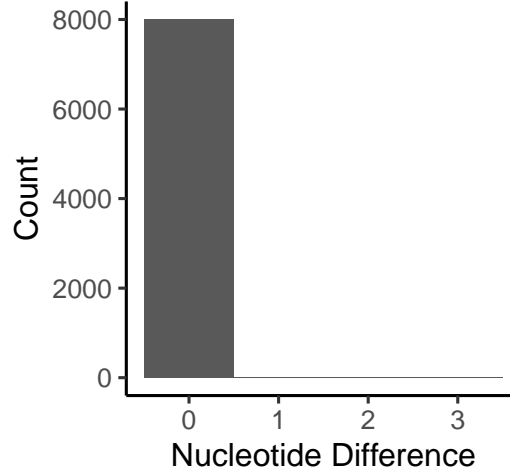
TRBV9*ap01

17402 sequences assigned
17360 (99.8%) exact matches, in which:
17339 unique CDR3
13 unique J



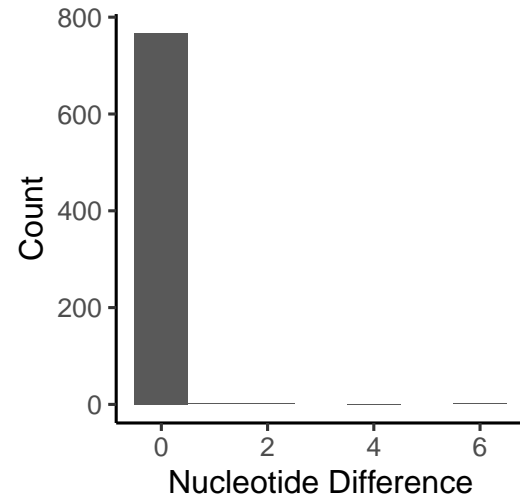
TRBV11-2*ap01

8014 sequences assigned
8002 (99.9%) exact matches, in which:
8001 unique CDR3
13 unique J



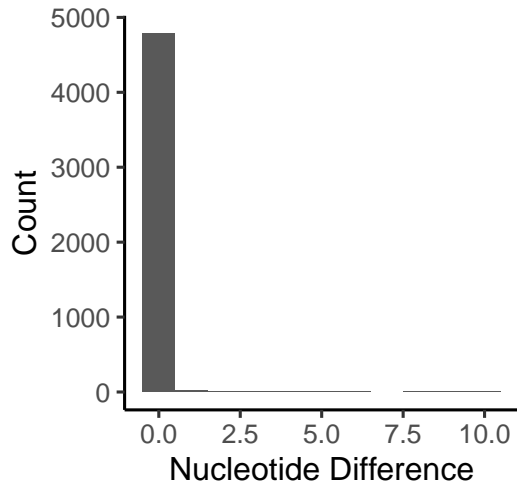
TRBV12-2*ap01

775 sequences assigned
768 (99.1%) exact matches, in which:
768 unique CDR3
13 unique J



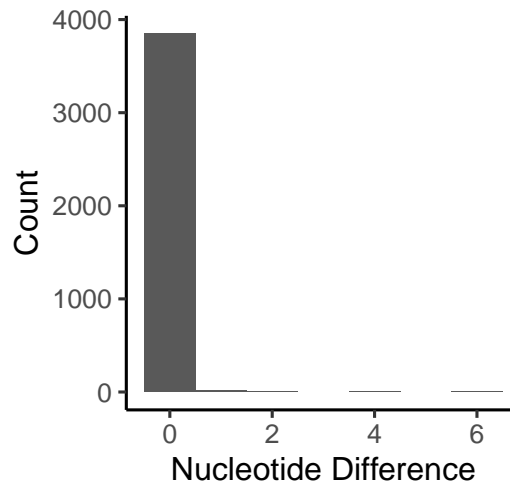
TRBV21-1*ap01

4838 sequences assigned
4782 (98.8%) exact matches, in which:
4782 unique CDR3
13 unique J



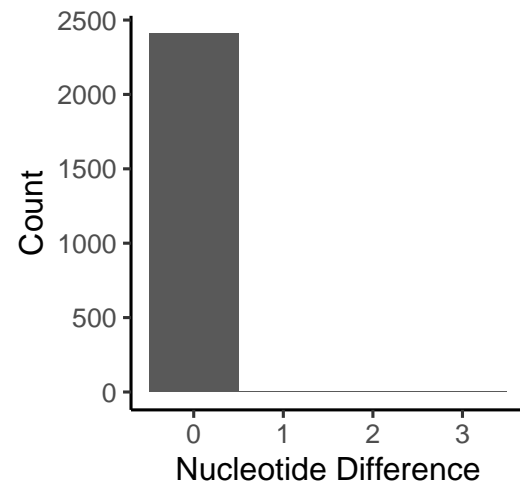
TRBV11-3*ap01

3871 sequences assigned
3848 (99.4%) exact matches, in which:
3846 unique CDR3
13 unique J



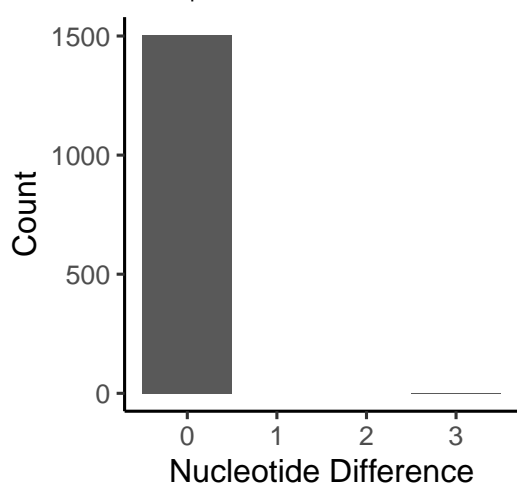
TRBV12-5*ap01

2413 sequences assigned
2408 (99.8%) exact matches, in which:
2407 unique CDR3
13 unique J



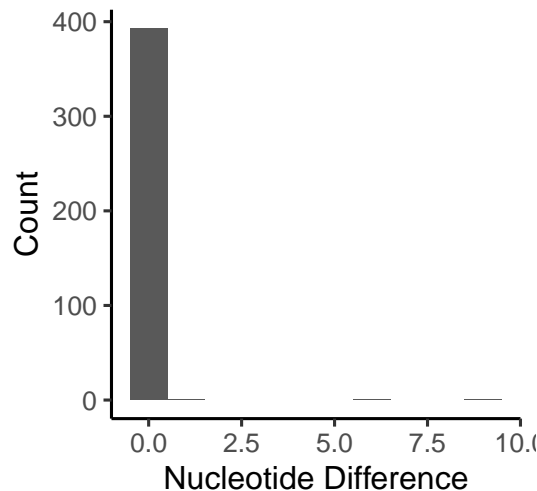
TRBV11-1*ap01

1505 sequences assigned
1504 (99.9%) exact matches, in which:
1504 unique CDR3
13 unique J



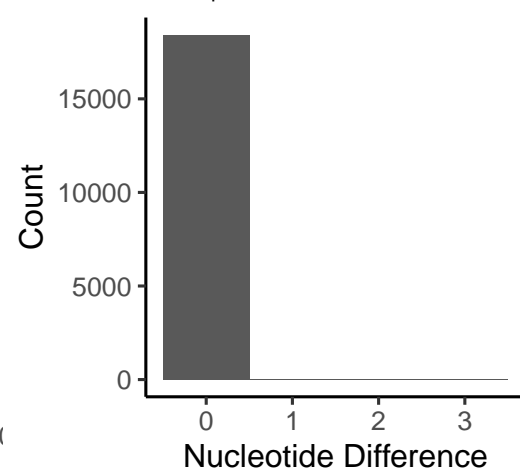
TRBV12-1*ap01

396 sequences assigned
393 (99.2%) exact matches, in which:
393 unique CDR3
13 unique J



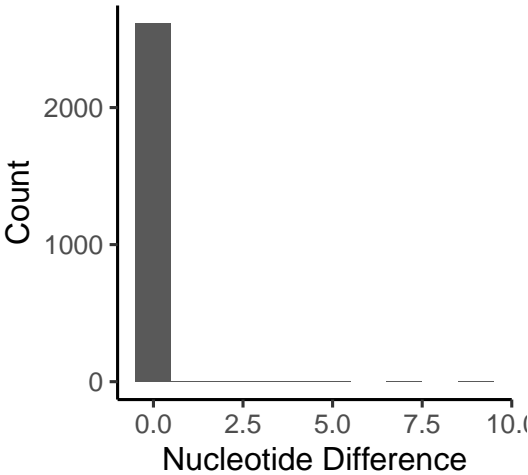
TRBV12-34*ap01

18466 sequences assigned
18423 (99.8%) exact matches, in which:
18414 unique CDR3
13 unique J



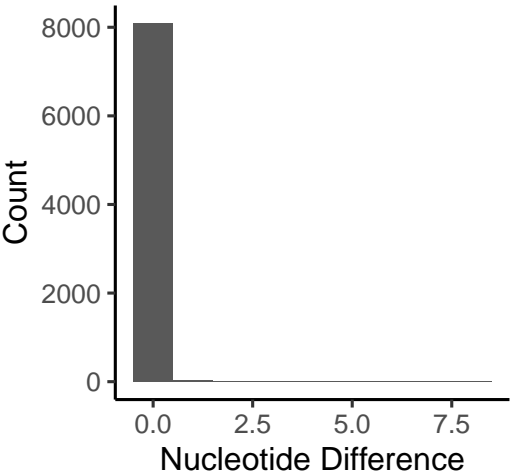
TRBV23-1*ap01

2633 sequences assigned
2614 (99.3%) exact matches, in which:
2614 unique CDR3
13 unique J



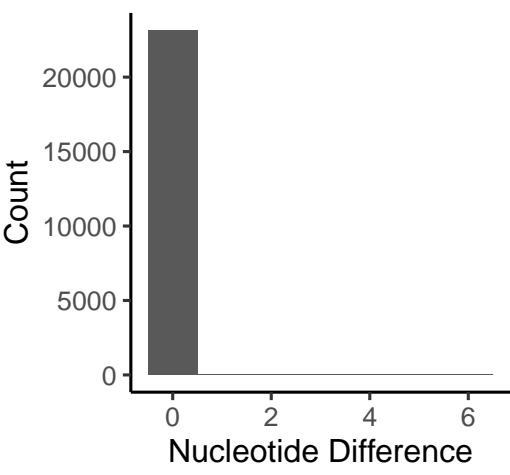
TRBV24-1*ap01

8153 sequences assigned
8087 (99.2%) exact matches, in which:
8069 unique CDR3
13 unique J



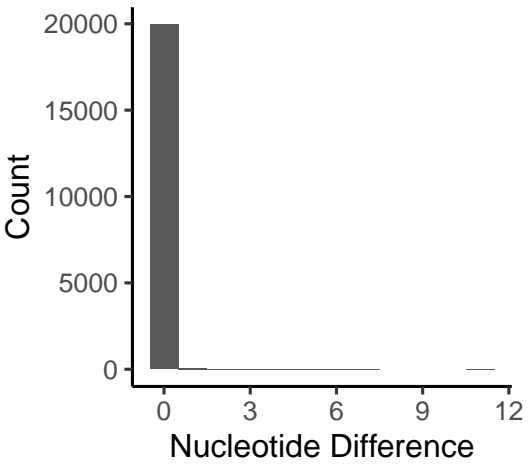
TRBV5-1*ap01

23217 sequences assigned
23154 (99.7%) exact matches, in which:
23092 unique CDR3
13 unique J



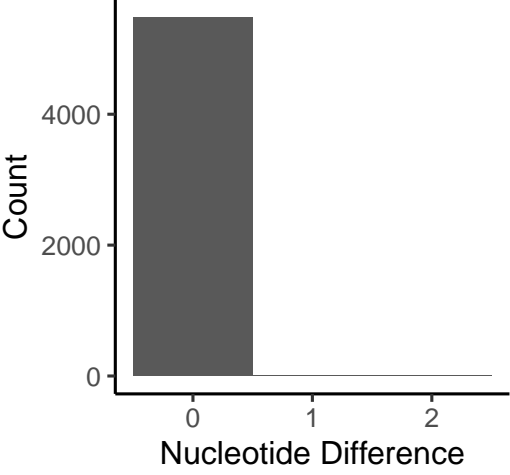
TRBV3-12*ap01

20050 sequences assigned
19960 (99.6%) exact matches, in which:
19932 unique CDR3
13 unique J



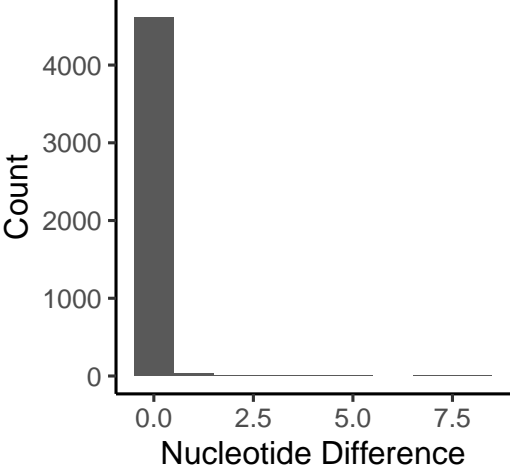
TRBV4-2*ap01

5491 sequences assigned
5475 (99.7%) exact matches, in which:
5471 unique CDR3
13 unique J



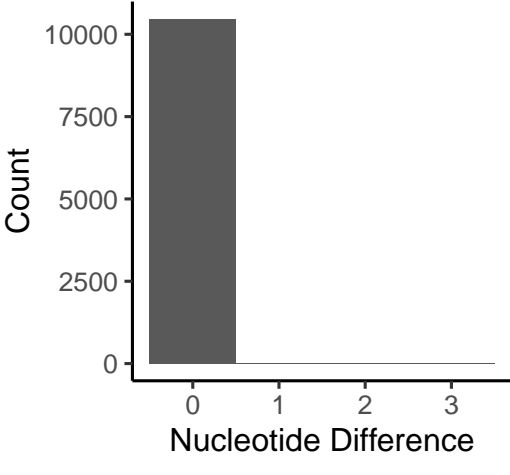
TRBV25-1*ap01

4650 sequences assigned
4609 (99.1%) exact matches, in which:
4599 unique CDR3
13 unique J



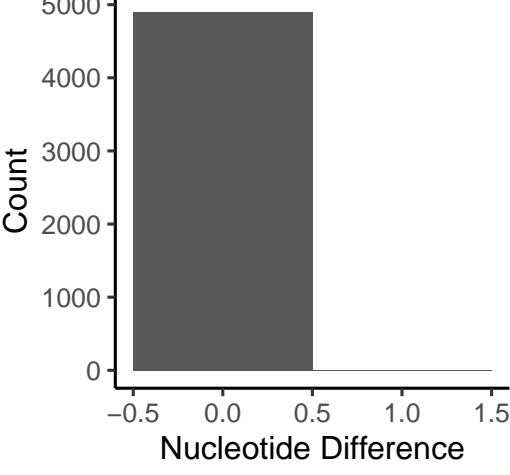
TRBV4-1*ap01

10484 sequences assigned
10471 (99.9%) exact matches, in which:
10465 unique CDR3
13 unique J



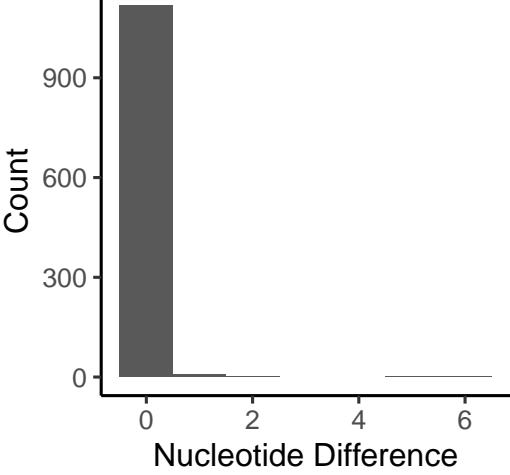
TRBV4-3*ap01

4903 sequences assigned
4899 (99.9%) exact matches, in which:
4896 unique CDR3
13 unique J



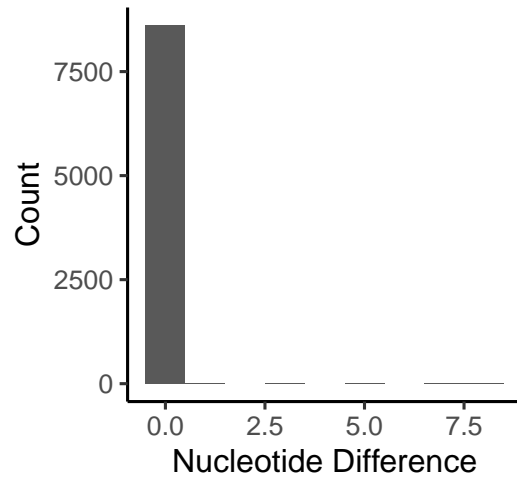
TRBV5-3*ap01

1129 sequences assigned
1118 (99%) exact matches, in which:
1117 unique CDR3
13 unique J



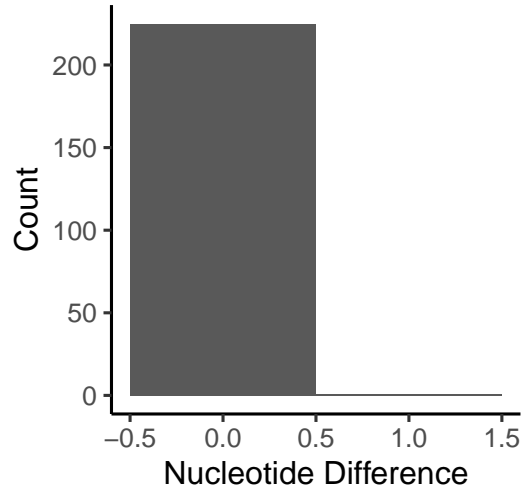
TRBV5-4*ap01

8636 sequences assigned
8610 (99.7%) exact matches, in which:
8610 unique CDR3
13 unique J



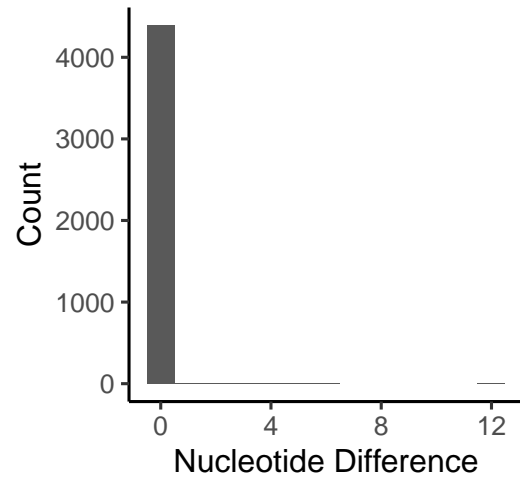
TRBV5-7*ap01

226 sequences assigned
225 (99.6%) exact matches, in which:
223 unique CDR3
13 unique J



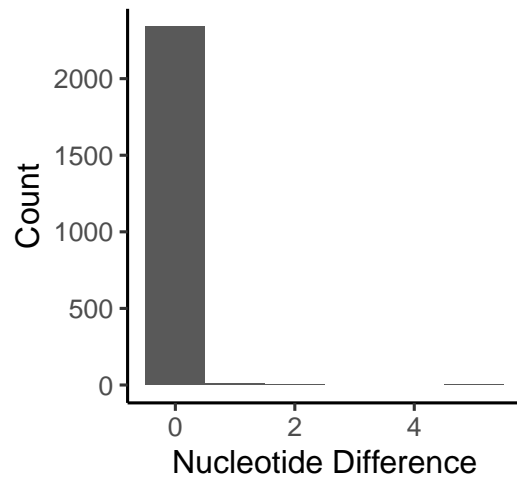
TRBV6-4*ap01

4414 sequences assigned
4391 (99.5%) exact matches, in which:
4390 unique CDR3
13 unique J



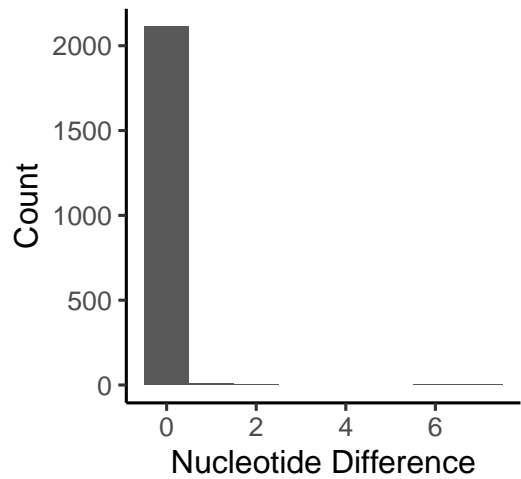
TRBV5-5*ap01

2350 sequences assigned
2339 (99.5%) exact matches, in which:
2336 unique CDR3
13 unique J



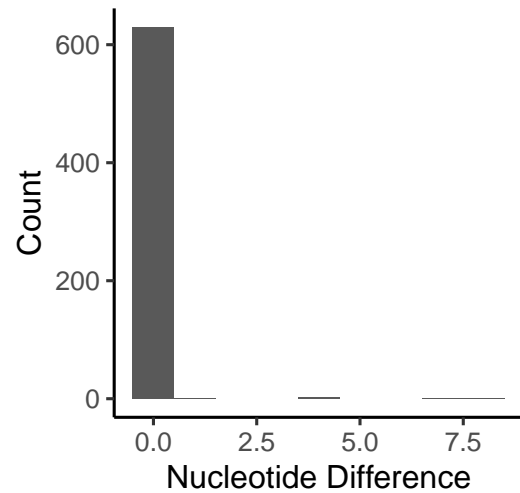
TRBV5-8*ap01

2122 sequences assigned
2112 (99.5%) exact matches, in which:
2112 unique CDR3
13 unique J



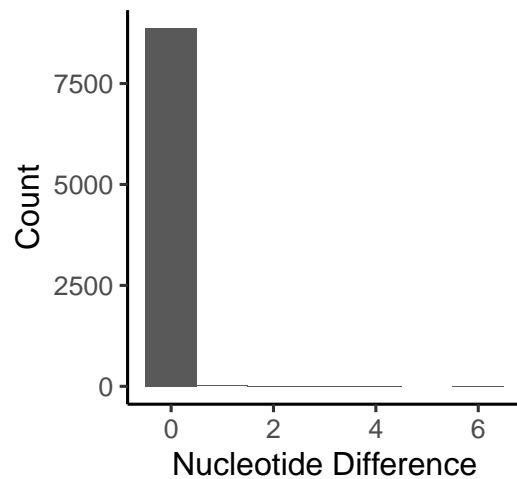
TRBV6-7*ap01

635 sequences assigned
630 (99.2%) exact matches, in which:
629 unique CDR3
13 unique J



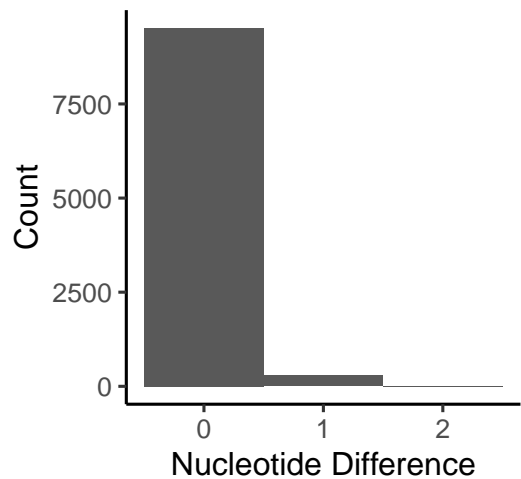
TRBV5-6*ap01

8896 sequences assigned
8874 (99.8%) exact matches, in which:
8852 unique CDR3
13 unique J



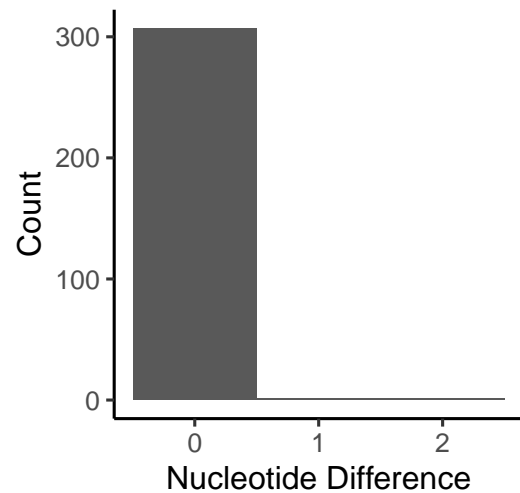
TRBV6-1*ap01

9804 sequences assigned
9516 (97.1%) exact matches, in which:
9511 unique CDR3
14 unique J



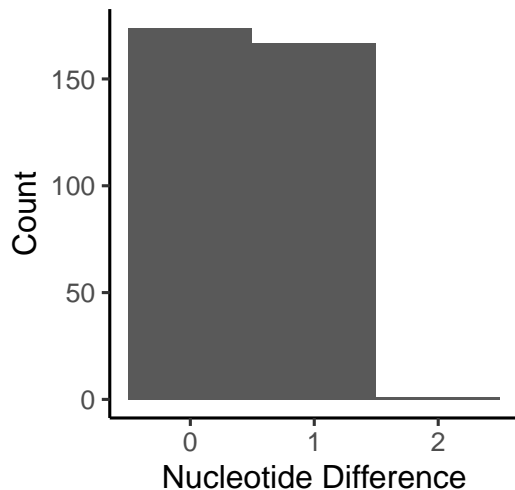
TRBV6-8*ap01

309 sequences assigned
307 (99.4%) exact matches, in which:
307 unique CDR3
13 unique J



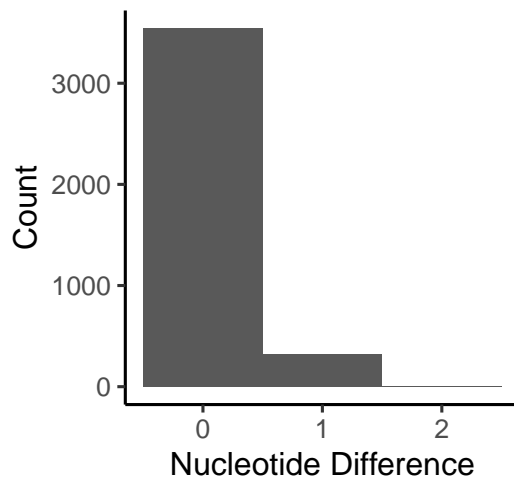
TRBV6–9*ap01

342 sequences assigned
174 (50.9%) exact matches, in which:
173 unique CDR3
13 unique J



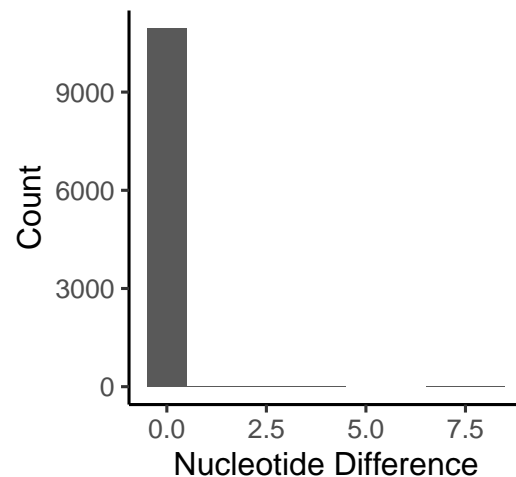
TRBV6–56*ap02

3868 sequences assigned
3542 (91.6%) exact matches, in which:
3540 unique CDR3
13 unique J



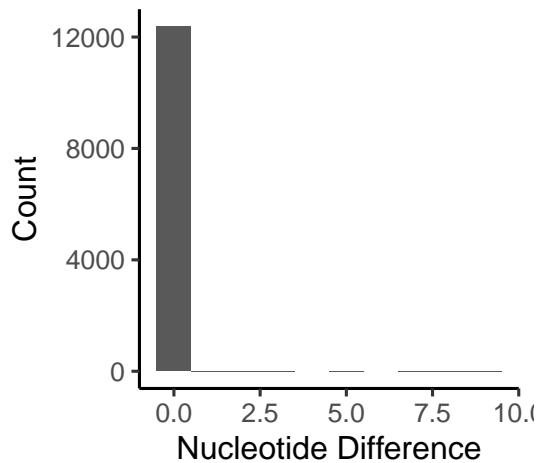
TRBV7–2*ap01

10964 sequences assigned
10946 (99.8%) exact matches, in which:
10945 unique CDR3
13 unique J



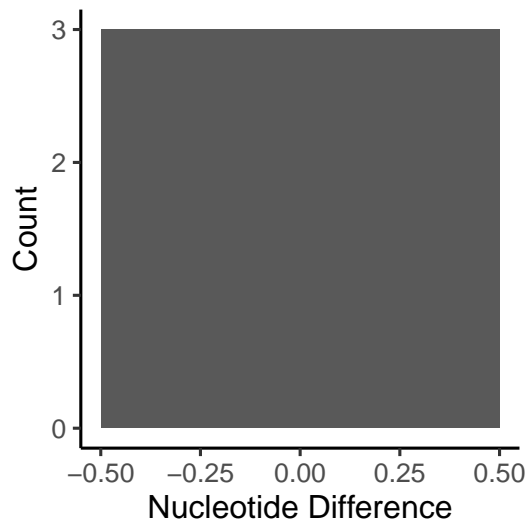
TRBV6–23*ap01

12422 sequences assigned
12379 (99.7%) exact matches, in which:
12362 unique CDR3
13 unique J



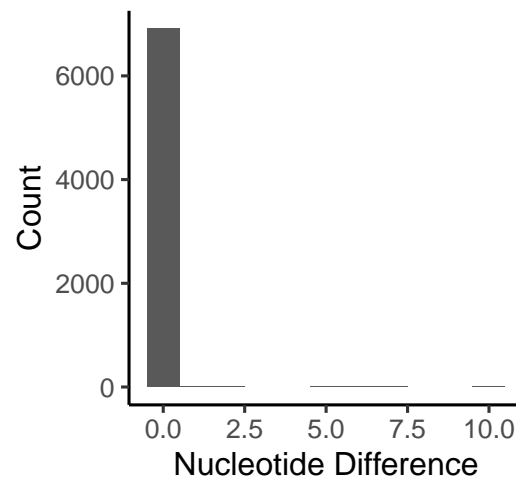
TRBV7–1*ap01

3 sequences assigned
3 (100%) exact matches, in which:
3 unique CDR3
3 unique J



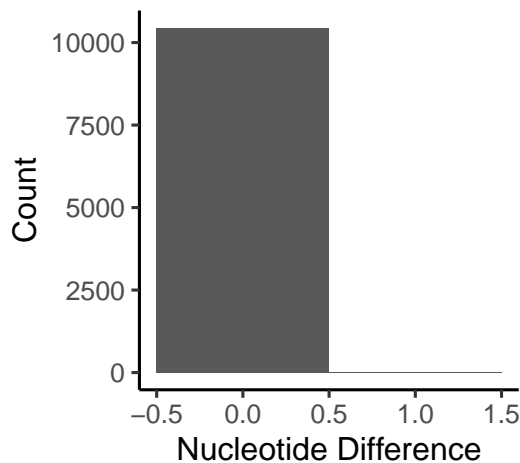
TRBV7–3*ap01

6939 sequences assigned
6909 (99.6%) exact matches, in which:
6903 unique CDR3
14 unique J



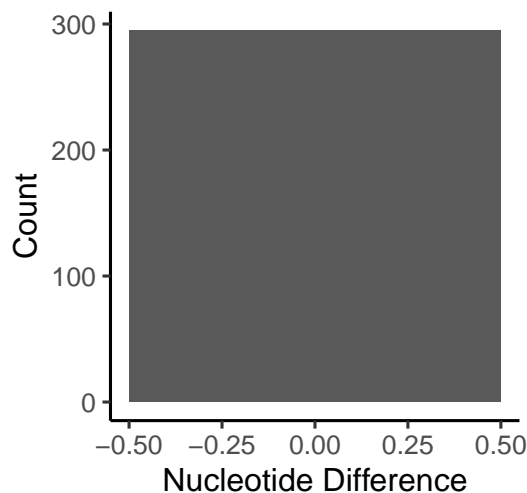
TRBV6–56*ap01

10462 sequences assigned
10448 (99.9%) exact matches, in which:
10442 unique CDR3
13 unique J



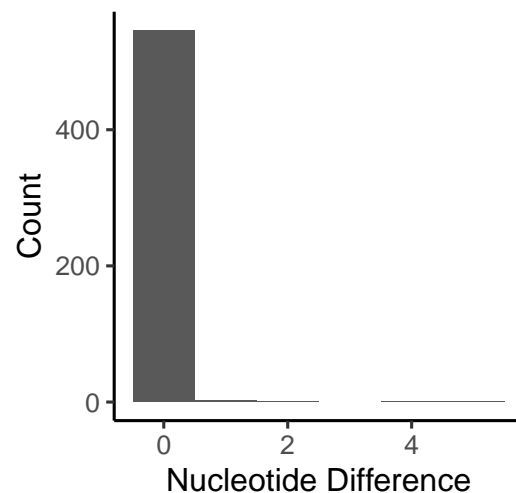
TRBV7–1*ap01_G291C_

295 sequences assigned
295 (100%) exact matches, in which:
295 unique CDR3
13 unique J



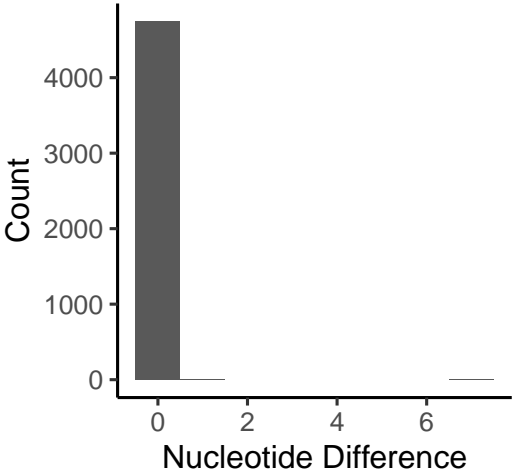
TRBV7–4*ap01

551 sequences assigned
546 (99.1%) exact matches, in which:
546 unique CDR3
13 unique J



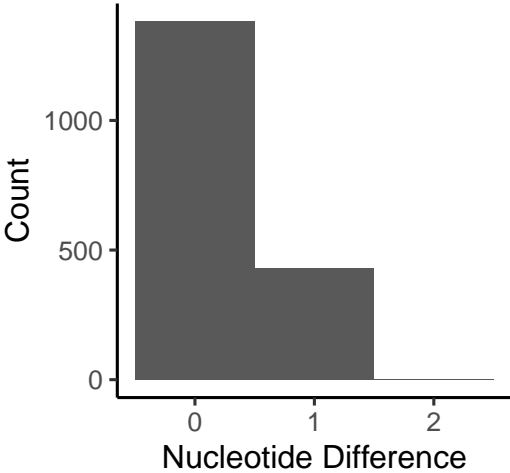
TRBV7-6*ap01

4750 sequences assigned
4745 (99.9%) exact matches, in which:
4741 unique CDR3
13 unique J



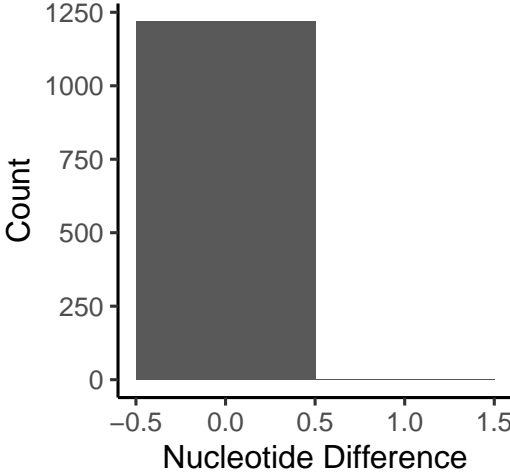
TRBV7-8*ap03

1812 sequences assigned
1382 (76.3%) exact matches, in which:
1382 unique CDR3
13 unique J



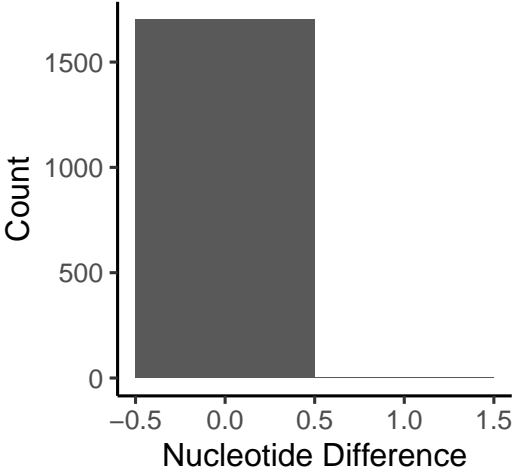
TRBV29-1*ap02

1222 sequences assigned
1219 (99.8%) exact matches, in which:
1216 unique CDR3
13 unique J



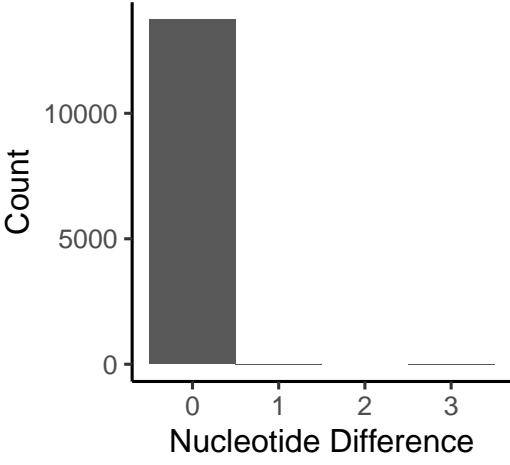
TRBV7-7*ap01

1705 sequences assigned
1701 (99.8%) exact matches, in which:
1701 unique CDR3
13 unique J



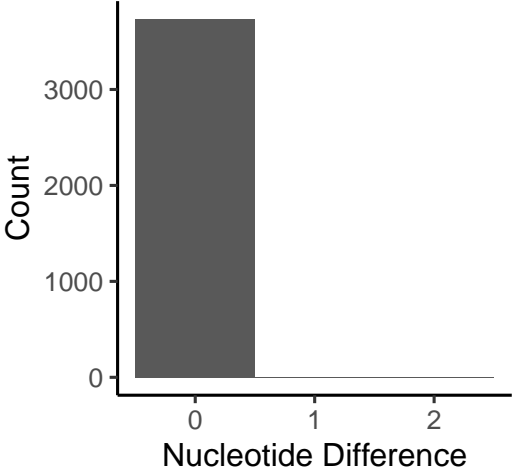
TRBV7-9*ap01

13760 sequences assigned
13740 (99.9%) exact matches, in which:
13737 unique CDR3
13 unique J



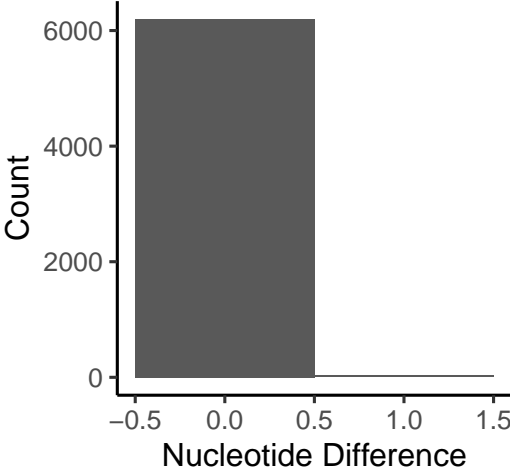
TRBV7-8*ap01

3742 sequences assigned
3734 (99.8%) exact matches, in which:
3734 unique CDR3
13 unique J



TRBV29-1*ap01

6230 sequences assigned
6199 (99.5%) exact matches, in which:
6186 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C

