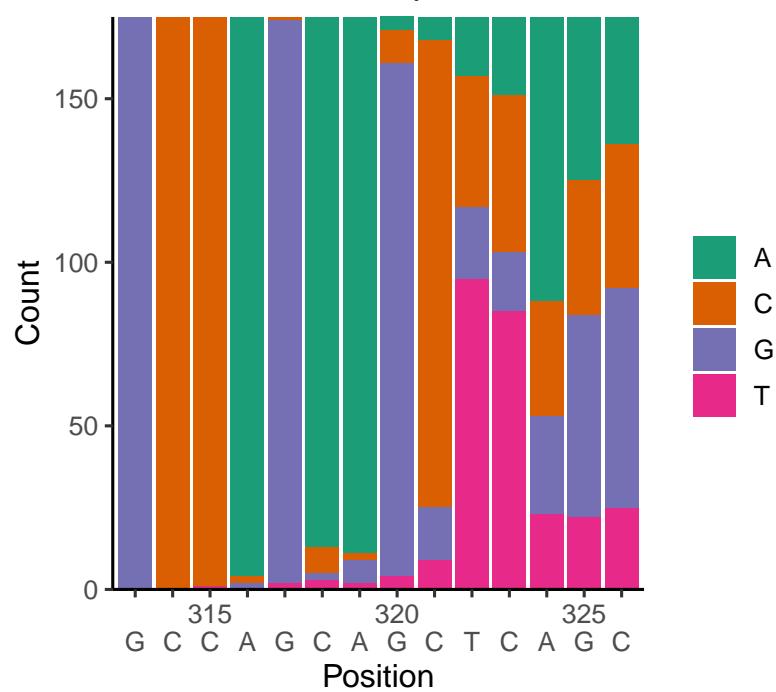
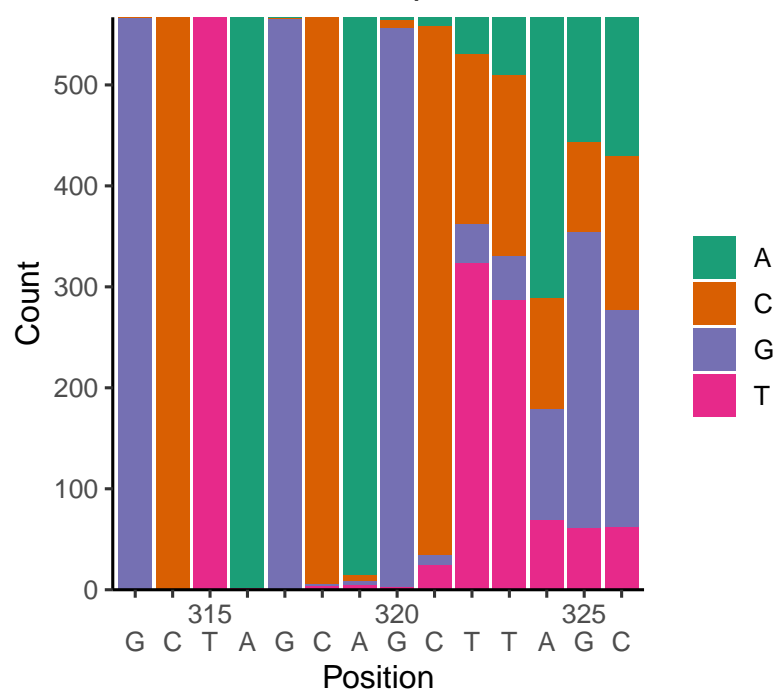


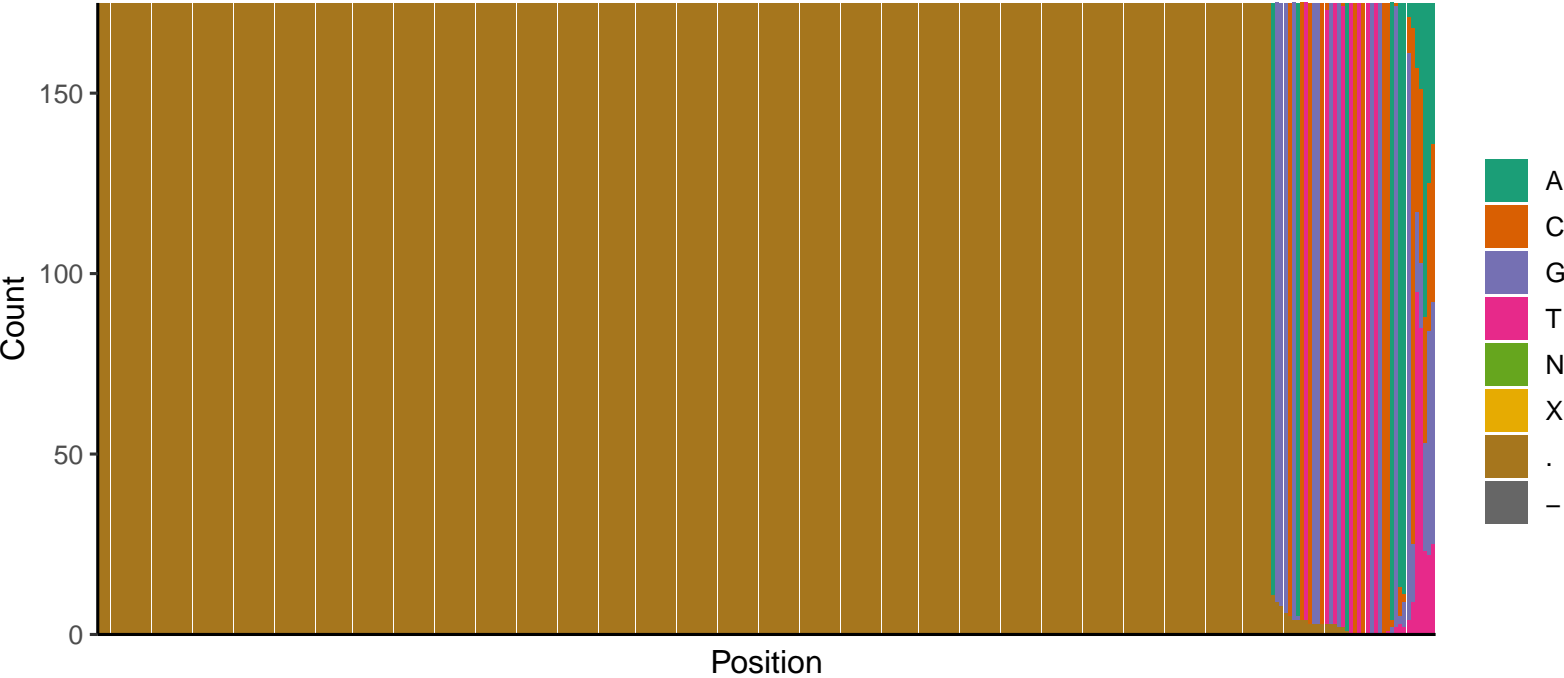
Gene TRBV7-1*ap01_G291C_T296C



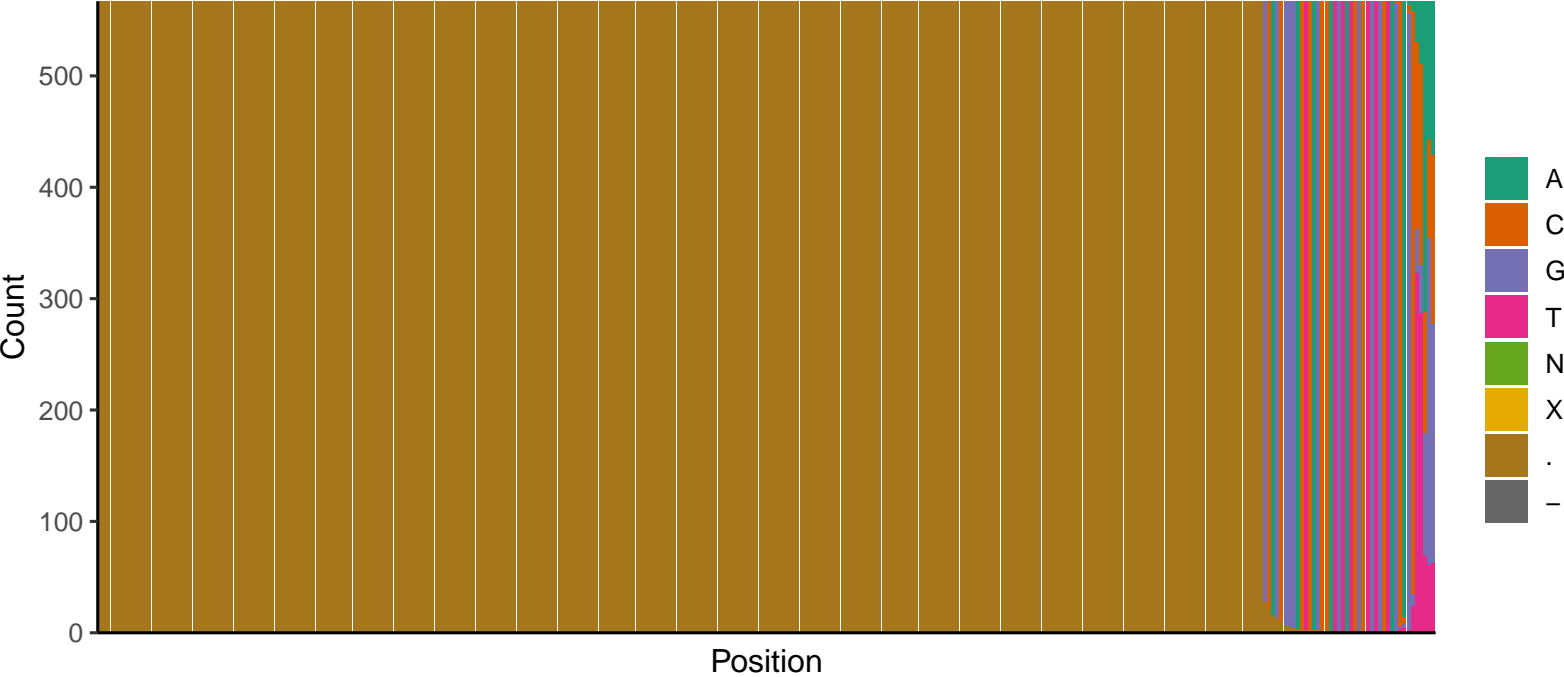
Gene TRBV7-7*ap01_C315T



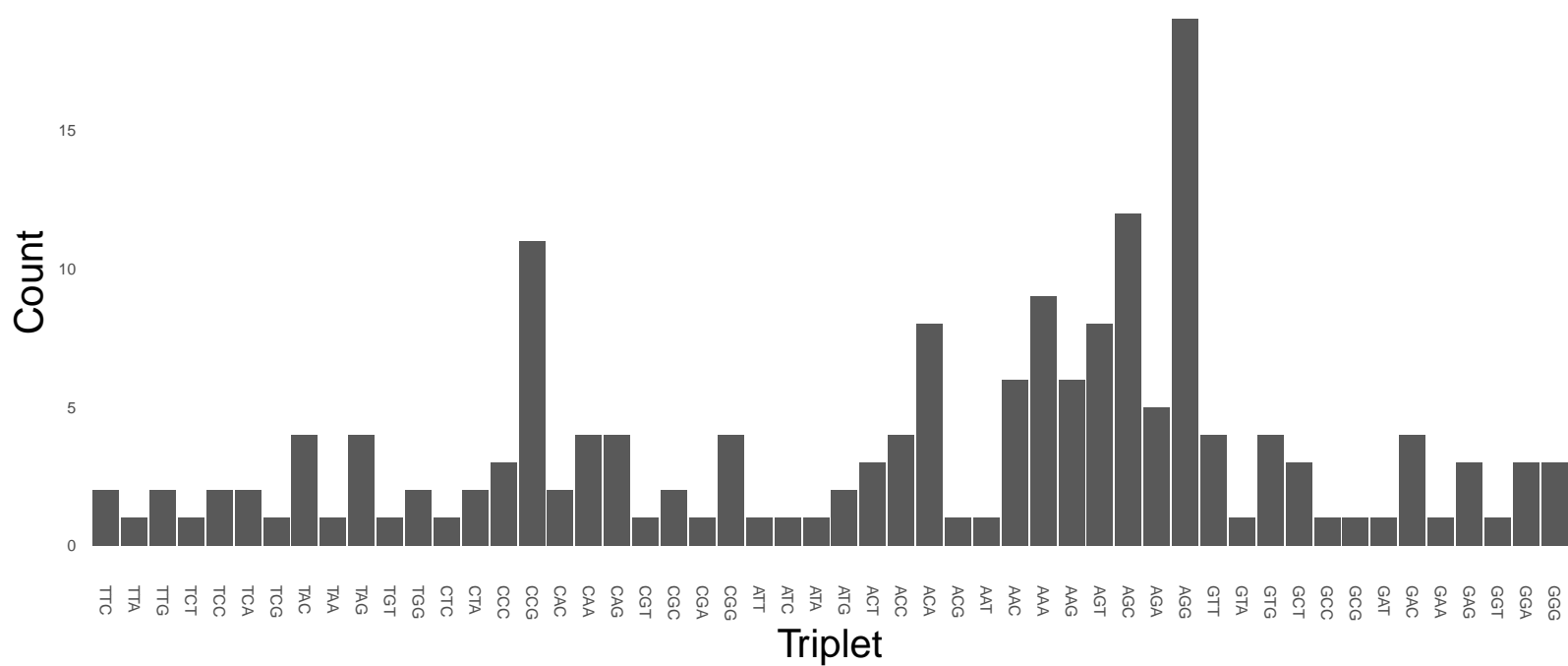
Gene TRBV7-1*ap01_G291C_T296C



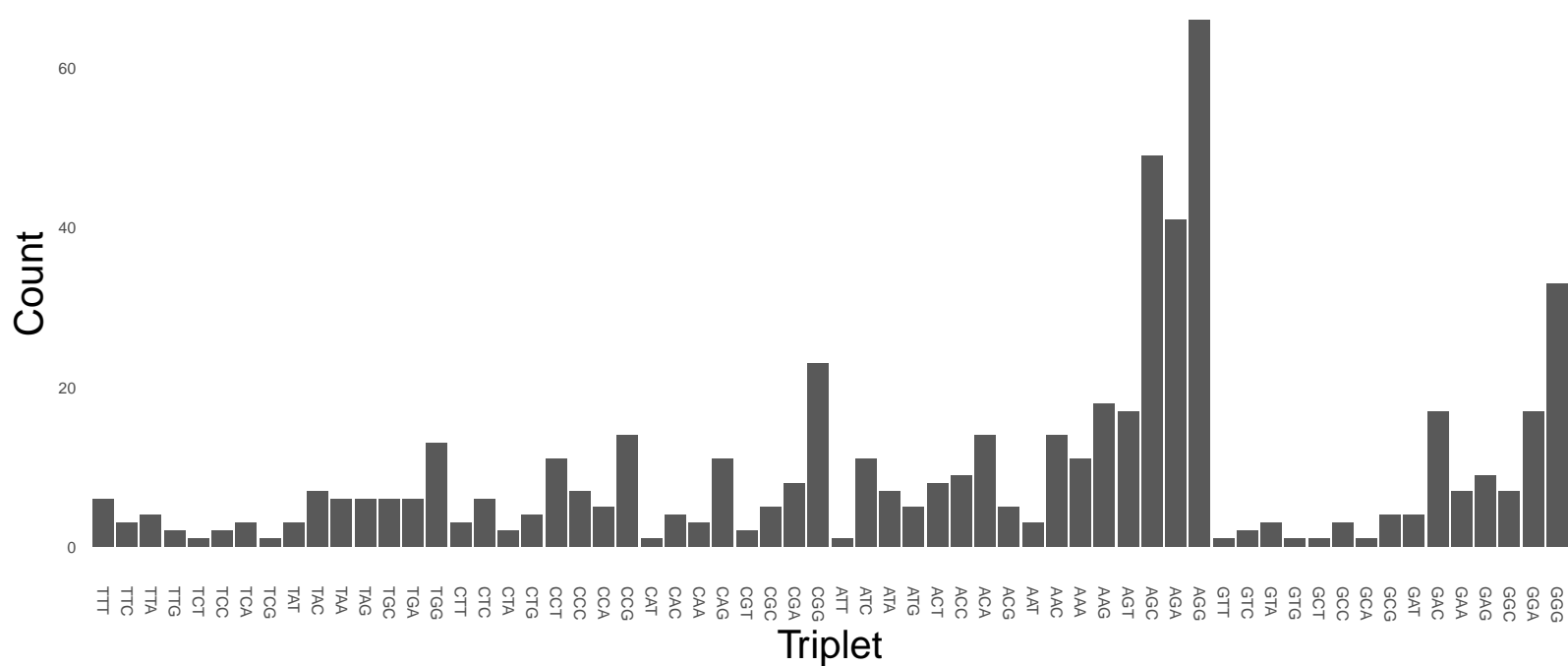
Gene TRBV7-7*ap01_C315T



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

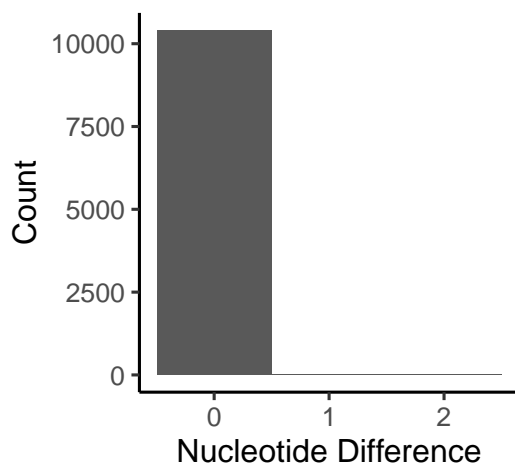


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



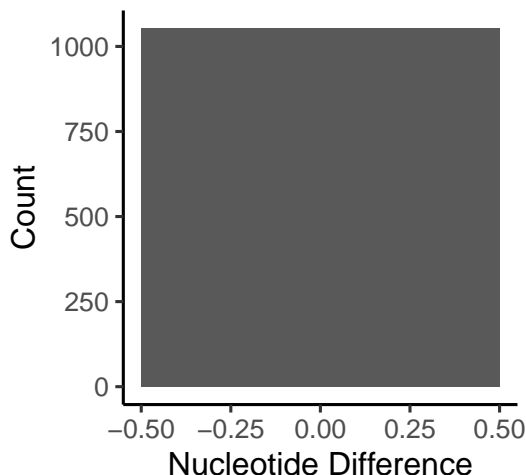
TRBV20-1*ap01

10437 sequences assigned
10409 (99.7%) exact matches, in which:
10403 unique CDR3
13 unique J



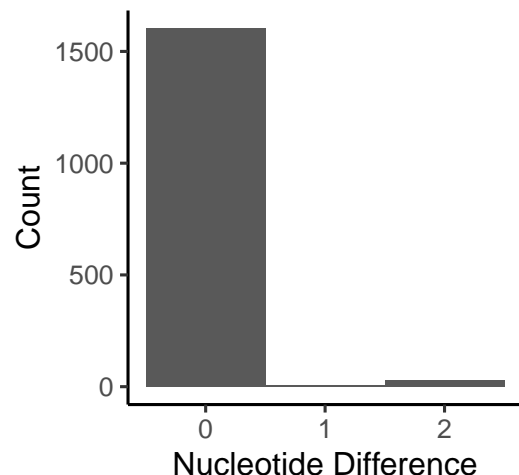
TRBV10-2*ap01

1053 sequences assigned
1053 (100%) exact matches, in which:
1053 unique CDR3
13 unique J



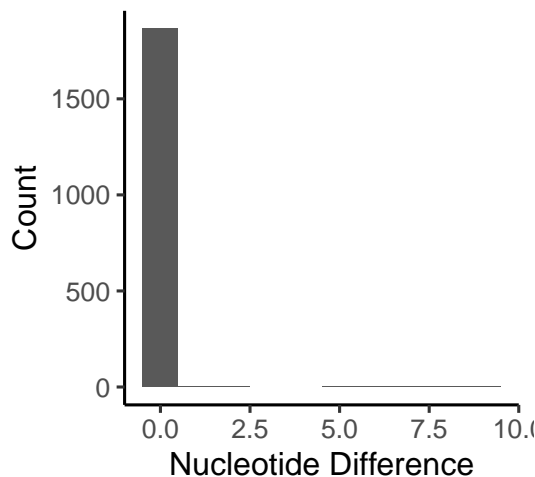
TRBV13*ap01

1640 sequences assigned
1603 (97.7%) exact matches, in which:
1603 unique CDR3
13 unique J



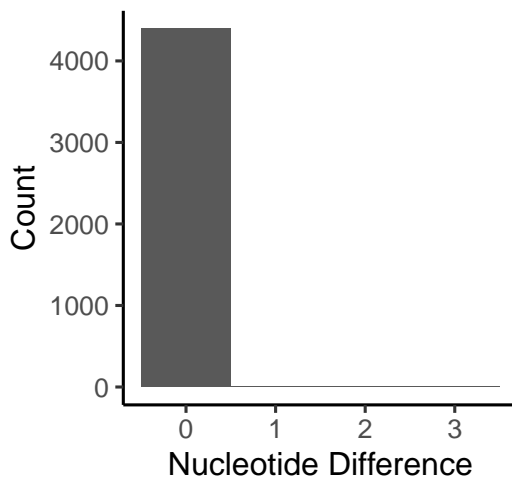
TRBV10-1*ap01

1875 sequences assigned
1865 (99.5%) exact matches, in which:
1865 unique CDR3
13 unique J



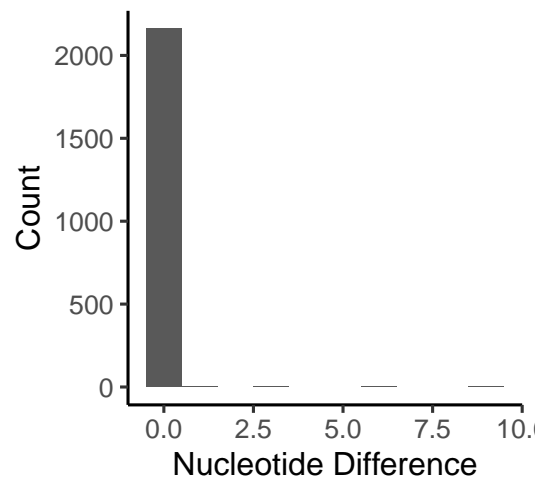
TRBV10-3*ap01

4403 sequences assigned
4395 (99.8%) exact matches, in which:
4393 unique CDR3
13 unique J



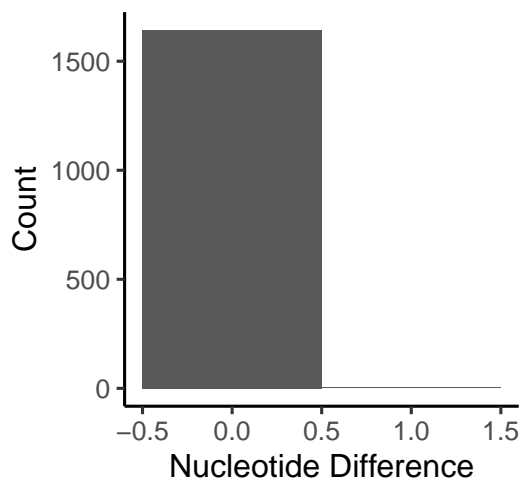
TRBV14*ap01

2169 sequences assigned
2161 (99.6%) exact matches, in which:
2161 unique CDR3
13 unique J



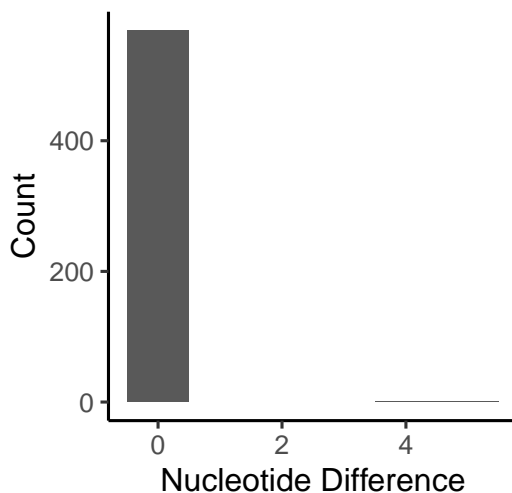
TRBV20-1*ap02

1646 sequences assigned
1643 (99.8%) exact matches, in which:
1642 unique CDR3
13 unique J



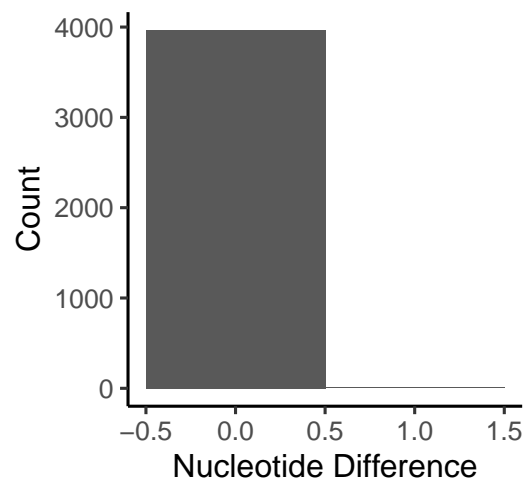
TRBV1*ap01

571 sequences assigned
569 (99.6%) exact matches, in which:
569 unique CDR3
13 unique J



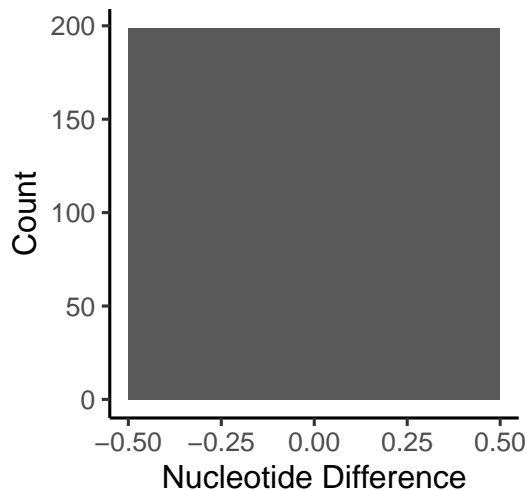
TRBV15*ap02

3976 sequences assigned
3967 (99.8%) exact matches, in which:
3963 unique CDR3
13 unique J



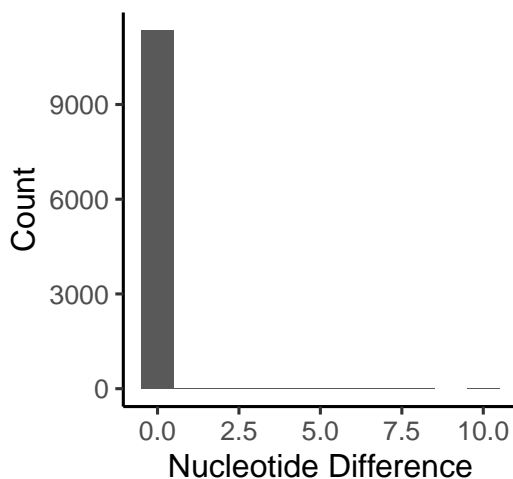
TRBV16*ap01

199 sequences assigned
199 (100%) exact matches, in which:
199 unique CDR3
13 unique J



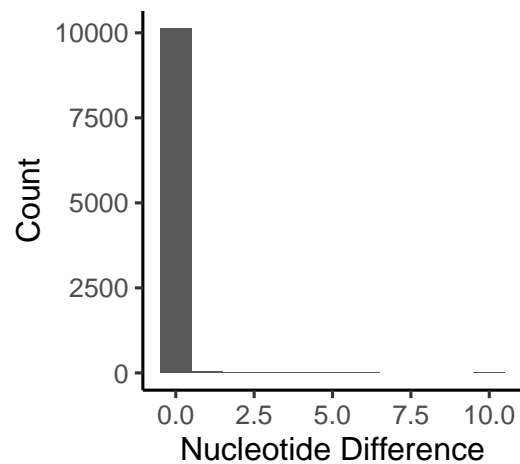
TRBV19*ap01

11373 sequences assigned
11346 (99.8%) exact matches, in which:
11345 unique CDR3
13 unique J



TRBV27*ap01

10186 sequences assigned
10137 (99.5%) exact matches, in which:
10114 unique CDR3
13 unique J



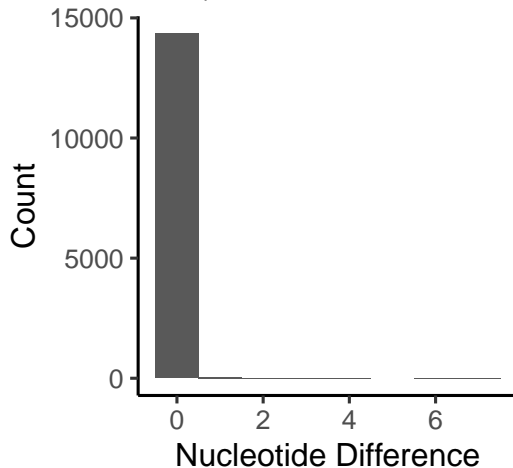
TRBV17*ap01

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



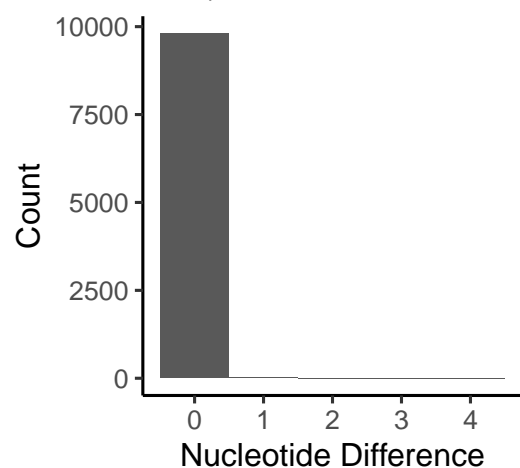
TRBV2*ap01

14413 sequences assigned
14352 (99.6%) exact matches, in which:
14319 unique CDR3
13 unique J



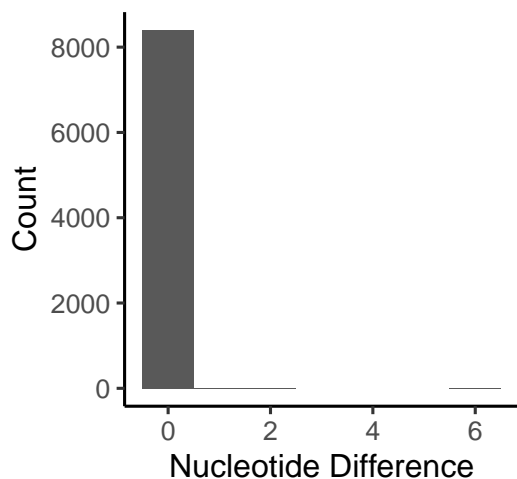
TRBV28*ap01

9828 sequences assigned
9806 (99.8%) exact matches, in which:
9806 unique CDR3
13 unique J



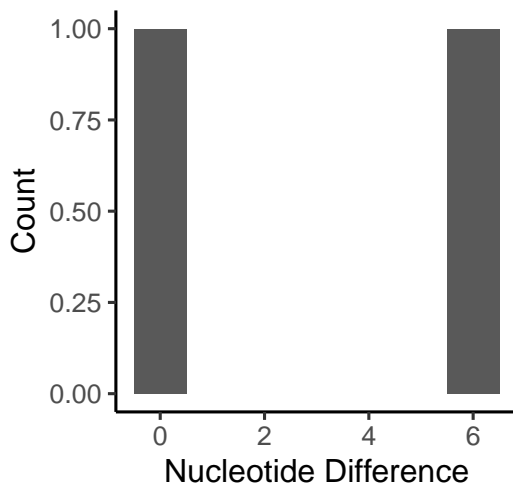
TRBV18*ap01

8409 sequences assigned
8401 (99.9%) exact matches, in which:
8399 unique CDR3
13 unique J



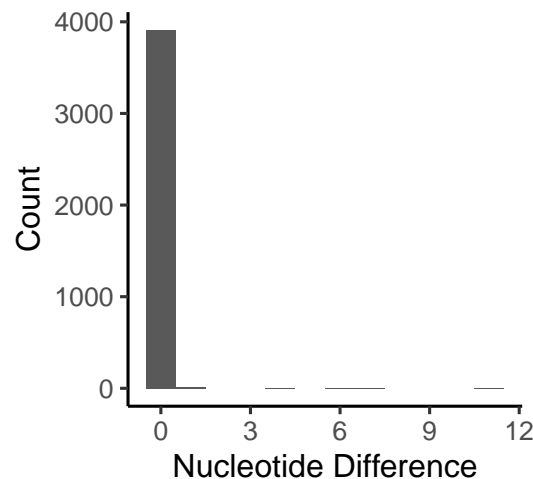
TRBV26*ap01

2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
1 unique J



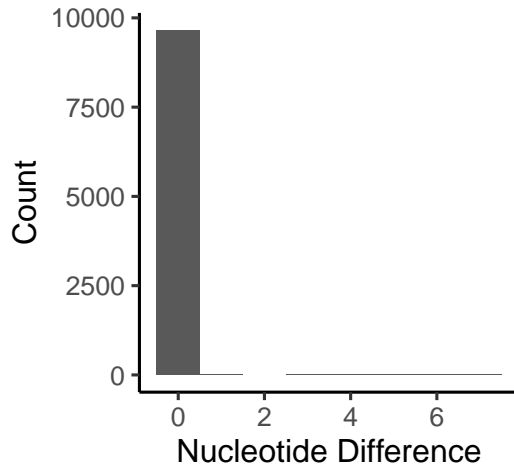
TRBV30*ap02

3930 sequences assigned
3910 (99.5%) exact matches, in which:
3899 unique CDR3
13 unique J



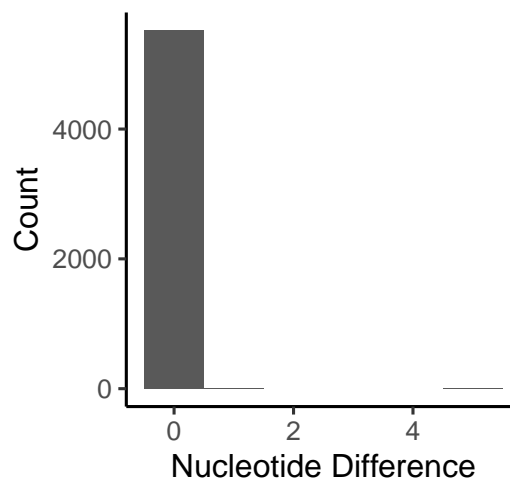
TRBV9*ap01

9675 sequences assigned
9656 (99.8%) exact matches, in which:
9642 unique CDR3
13 unique J



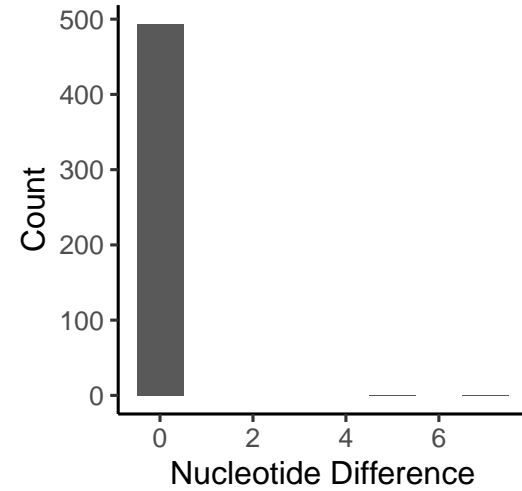
TRBV11-2*ap01

5528 sequences assigned
5520 (99.9%) exact matches, in which:
5517 unique CDR3
13 unique J



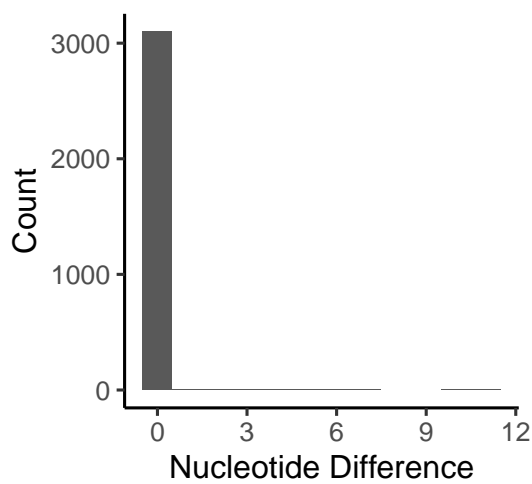
TRBV12-2*ap01

496 sequences assigned
494 (99.6%) exact matches, in which:
494 unique CDR3
13 unique J



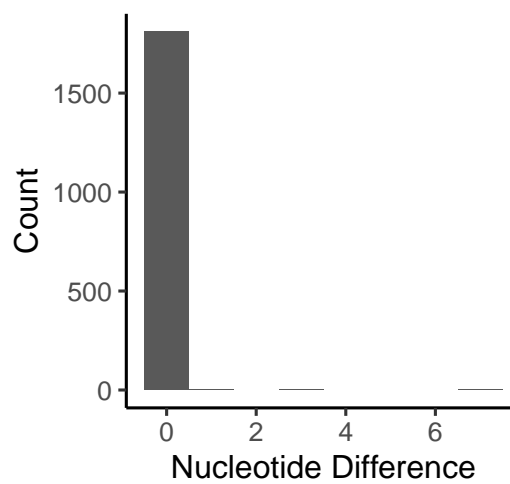
TRBV21-1*ap01

3131 sequences assigned
3099 (99%) exact matches, in which:
3099 unique CDR3
13 unique J



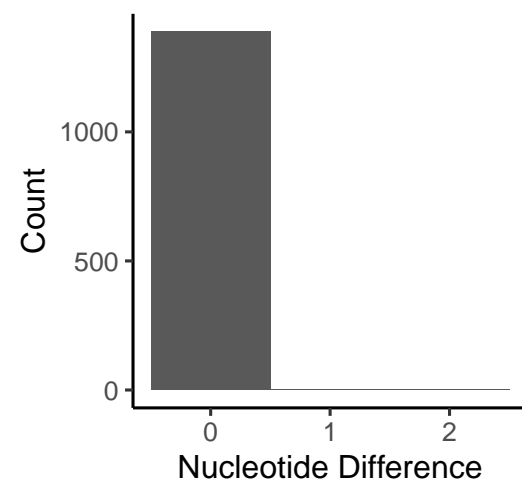
TRBV11-3*ap01

1816 sequences assigned
1810 (99.7%) exact matches, in which:
1810 unique CDR3
13 unique J



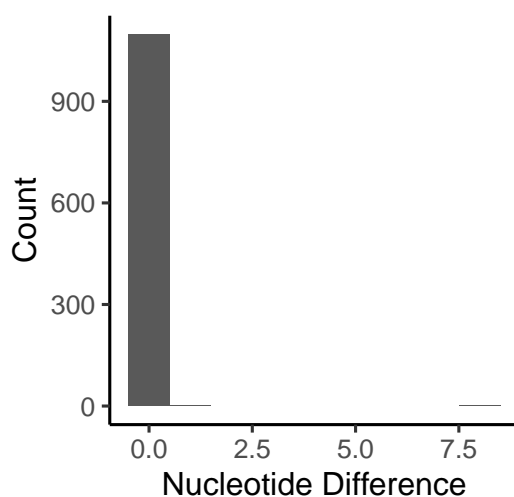
TRBV12-5*ap01

1393 sequences assigned
1388 (99.6%) exact matches, in which:
1387 unique CDR3
13 unique J



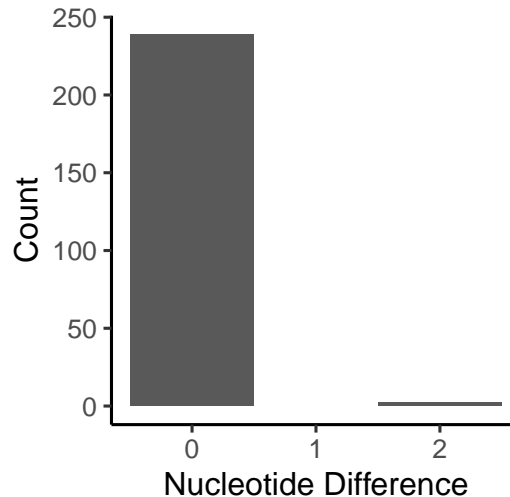
TRBV11-1*ap01

1100 sequences assigned
1098 (99.8%) exact matches, in which:
1097 unique CDR3
13 unique J



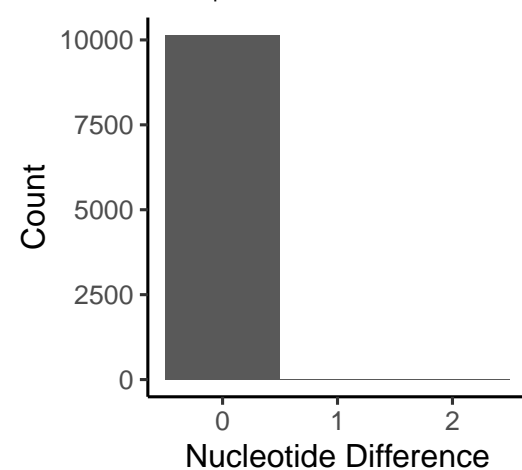
TRBV12-1*ap01

241 sequences assigned
239 (99.2%) exact matches, in which:
239 unique CDR3
13 unique J



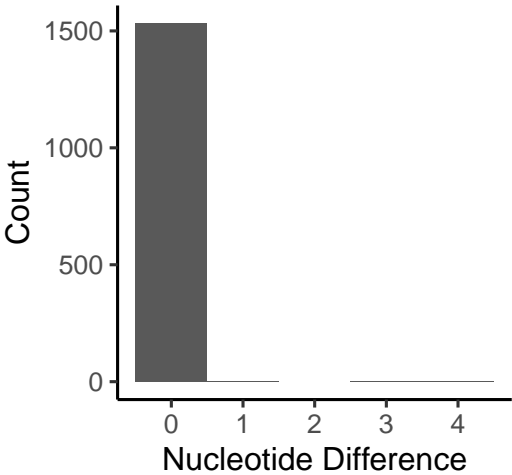
TRBV12-34*ap01

10176 sequences assigned
10151 (99.8%) exact matches, in which:
10148 unique CDR3
13 unique J



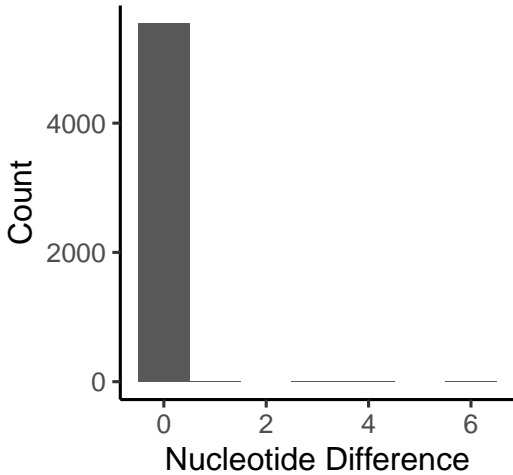
TRBV23-1*ap01

1539 sequences assigned
1532 (99.5%) exact matches, in which:
1532 unique CDR3
13 unique J



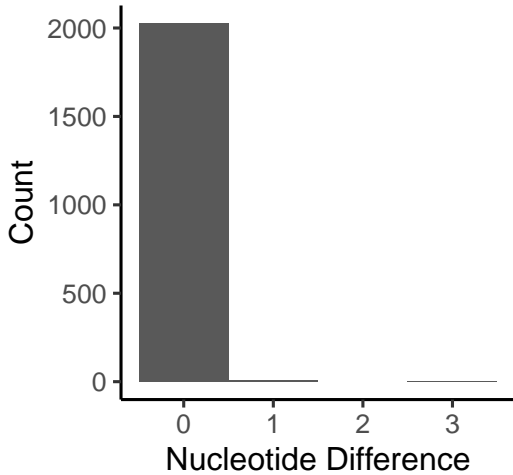
TRBV4-1*ap01

5550 sequences assigned
5543 (99.9%) exact matches, in which:
5537 unique CDR3
13 unique J



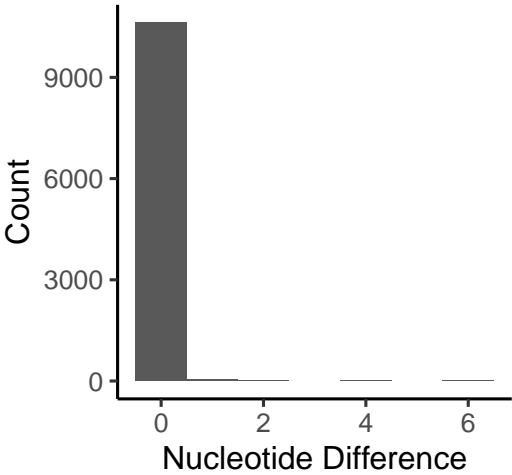
TRBV25-1*ap01

2034 sequences assigned
2026 (99.6%) exact matches, in which:
2023 unique CDR3
13 unique J



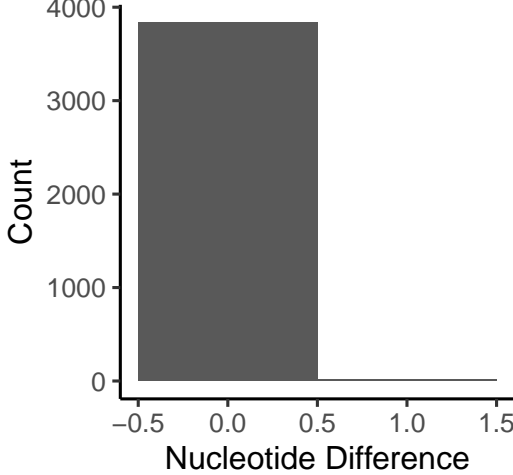
TRBV3-12*ap01

10657 sequences assigned
10621 (99.7%) exact matches, in which:
10593 unique CDR3
13 unique J



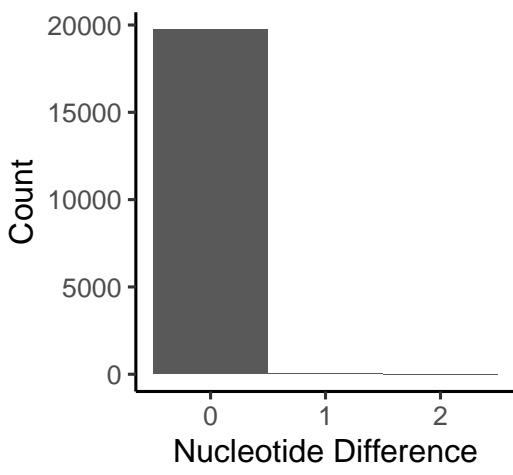
TRBV4-2*ap01

3847 sequences assigned
3834 (99.7%) exact matches, in which:
3831 unique CDR3
13 unique J



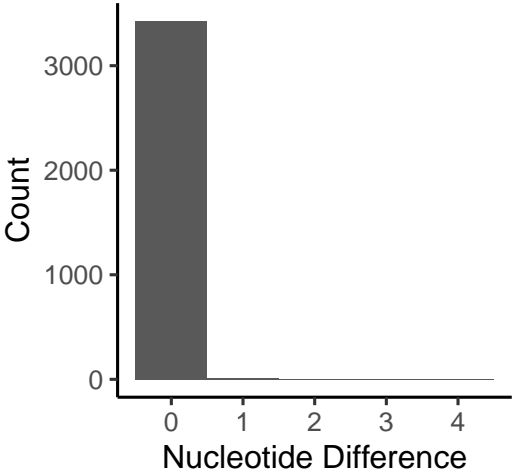
TRBV5-1*ap01

19788 sequences assigned
19744 (99.8%) exact matches, in which:
19703 unique CDR3
13 unique J



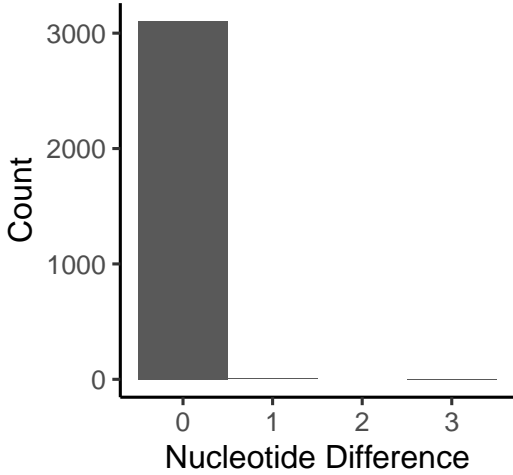
TRBV24-1*ap01

3445 sequences assigned
3427 (99.5%) exact matches, in which:
3422 unique CDR3
13 unique J



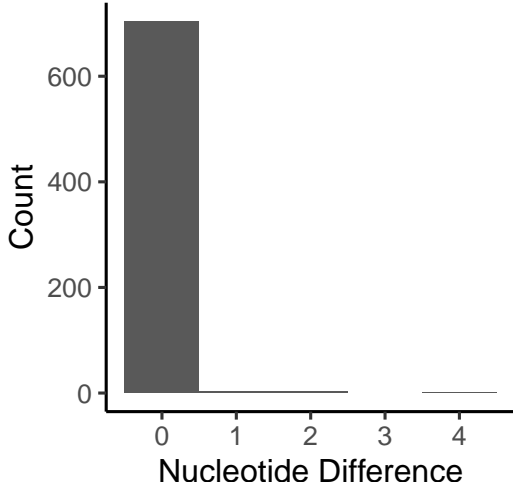
TRBV4-3*ap01

3113 sequences assigned
3105 (99.7%) exact matches, in which:
3101 unique CDR3
13 unique J



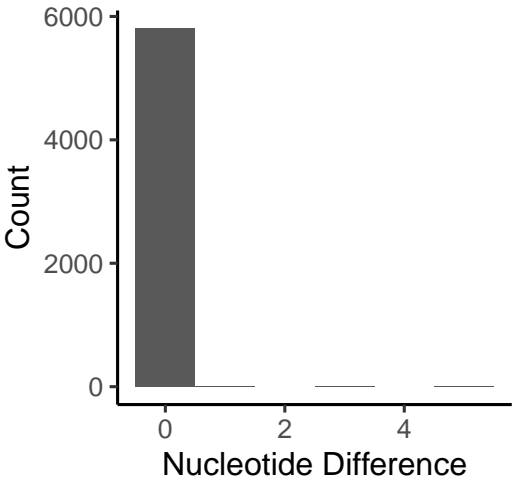
TRBV5-3*ap01

711 sequences assigned
704 (99%) exact matches, in which:
703 unique CDR3
13 unique J



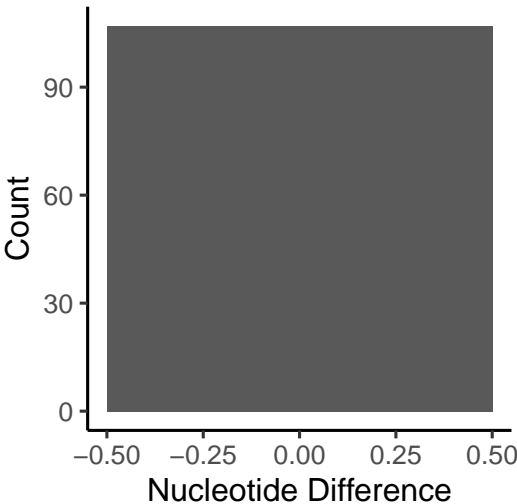
TRBV5-4*ap01

5815 sequences assigned
5806 (99.8%) exact matches, in which:
5804 unique CDR3
13 unique J



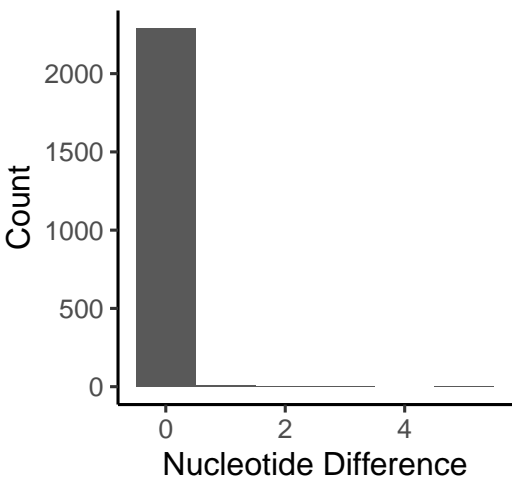
TRBV5-7*ap01

107 sequences assigned
107 (100%) exact matches, in which:
106 unique CDR3
13 unique J



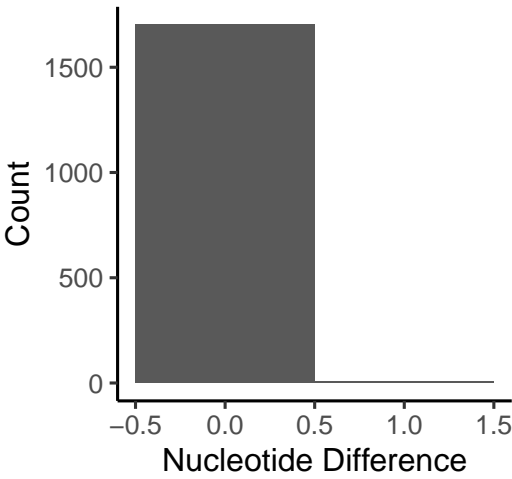
TRBV6-4*ap01

2305 sequences assigned
2289 (99.3%) exact matches, in which:
2289 unique CDR3
13 unique J



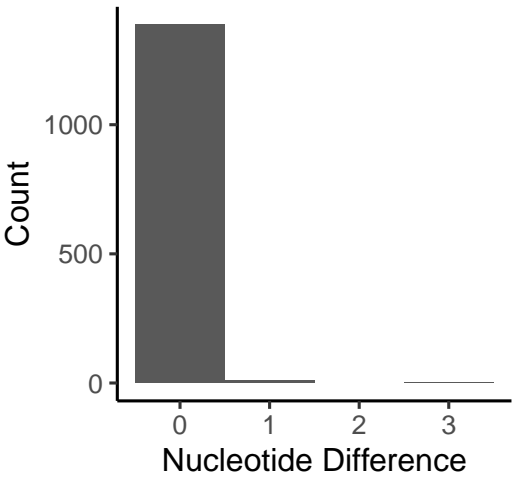
TRBV5-5*ap01

1707 sequences assigned
1702 (99.7%) exact matches, in which:
1702 unique CDR3
13 unique J



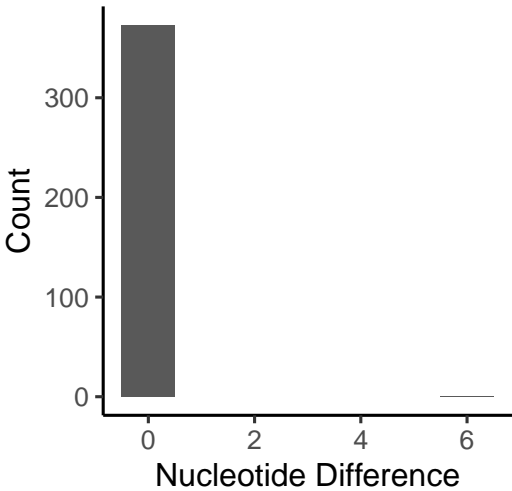
TRBV5-8*ap01

1396 sequences assigned
1387 (99.4%) exact matches, in which:
1386 unique CDR3
13 unique J



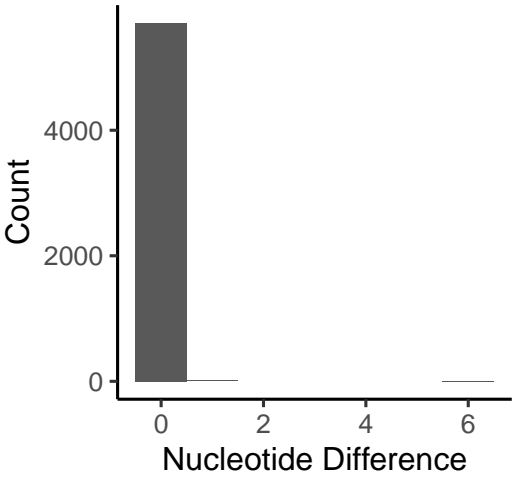
TRBV6-7*ap01

374 sequences assigned
373 (99.7%) exact matches, in which:
371 unique CDR3
13 unique J



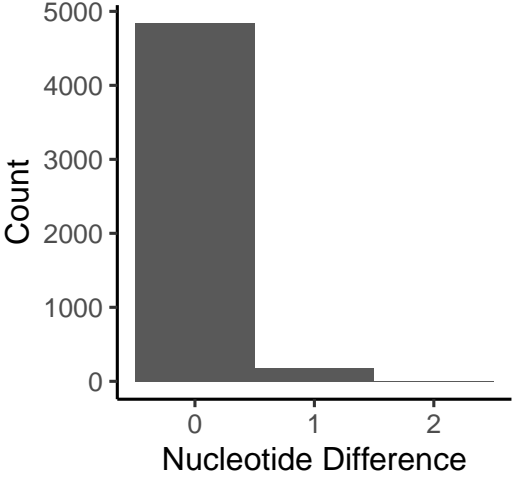
TRBV5-6*ap01

5723 sequences assigned
5708 (99.7%) exact matches, in which:
5681 unique CDR3
13 unique J



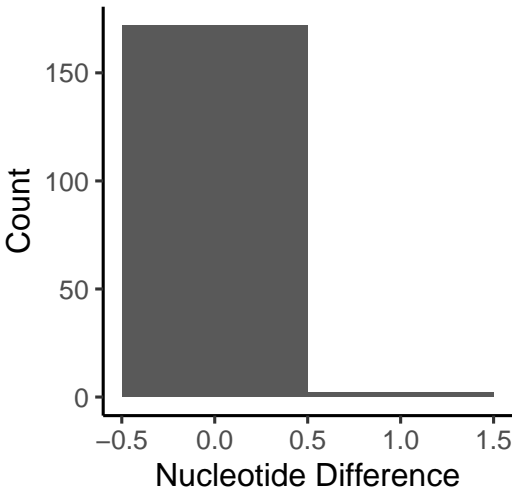
TRBV6-1*ap01

5022 sequences assigned
4842 (96.4%) exact matches, in which:
4833 unique CDR3
13 unique J



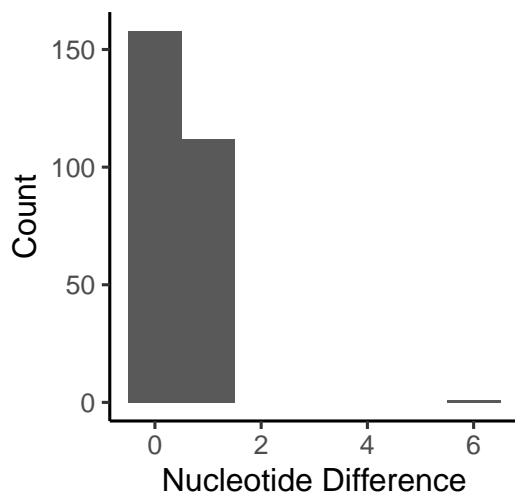
TRBV6-8*ap01

174 sequences assigned
172 (98.9%) exact matches, in which:
172 unique CDR3
13 unique J



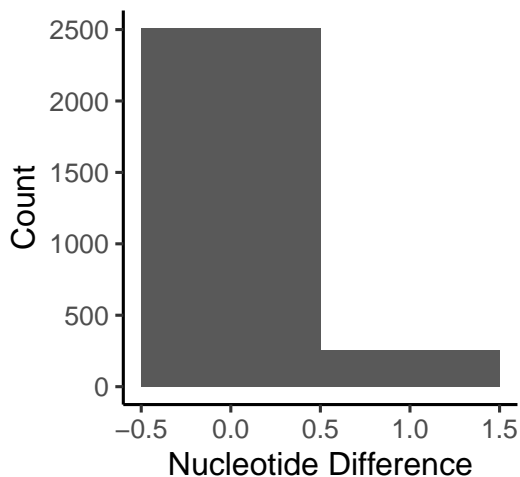
TRBV6-9*ap01

271 sequences assigned
158 (58.3%) exact matches, in which:
158 unique CDR3
12 unique J



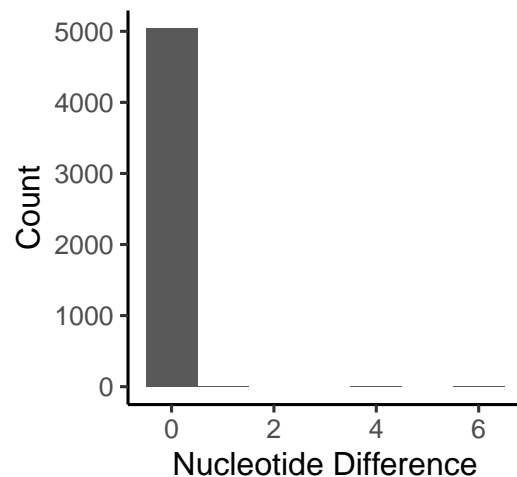
TRBV6-56*ap02

2765 sequences assigned
2508 (90.7%) exact matches, in which:
2505 unique CDR3
13 unique J



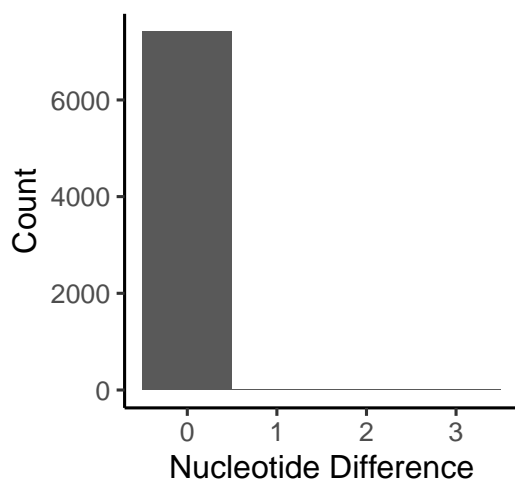
TRBV7-3*ap01

5051 sequences assigned
5041 (99.8%) exact matches, in which:
5032 unique CDR3
13 unique J



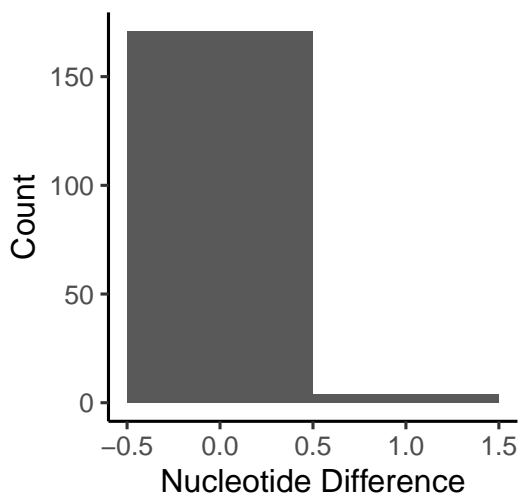
TRBV6-23*ap01

7437 sequences assigned
7411 (99.7%) exact matches, in which:
7391 unique CDR3
13 unique J



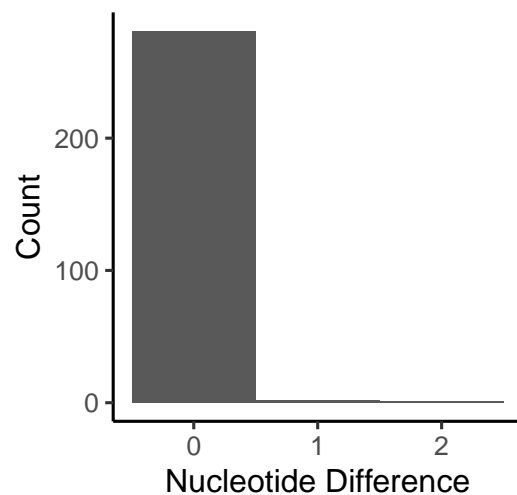
TRBV7-1*ap01_G291C_

175 sequences assigned
171 (97.7%) exact matches, in which:
171 unique CDR3
12 unique J



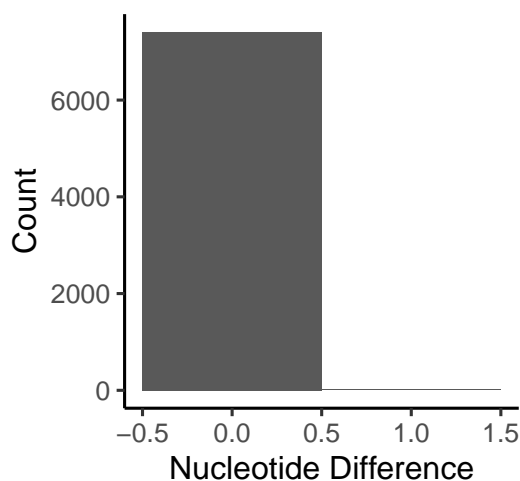
TRBV7-4*ap01

284 sequences assigned
281 (98.9%) exact matches, in which:
280 unique CDR3
13 unique J



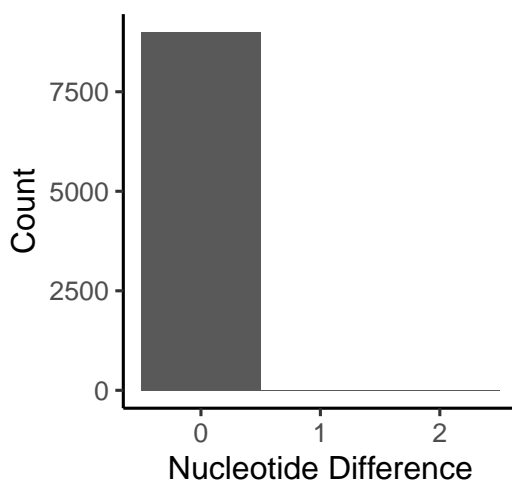
TRBV6-56*ap01

7426 sequences assigned
7406 (99.7%) exact matches, in which:
7394 unique CDR3
13 unique J



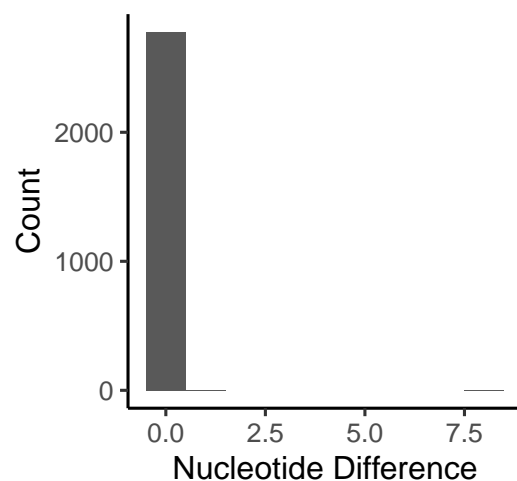
TRBV7-2*ap01

9011 sequences assigned
9000 (99.9%) exact matches, in which:
8998 unique CDR3
13 unique J



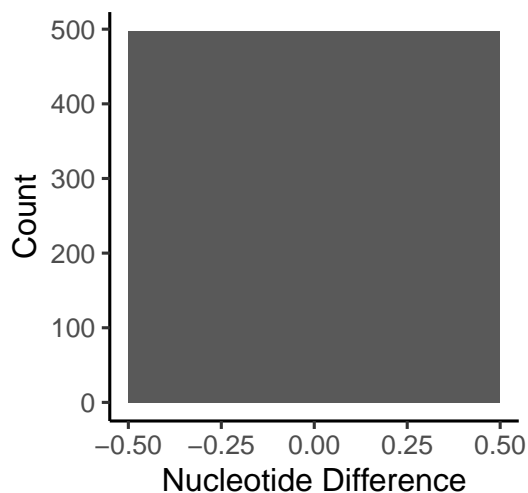
TRBV7-6*ap01

2782 sequences assigned
2777 (99.8%) exact matches, in which:
2774 unique CDR3
13 unique J



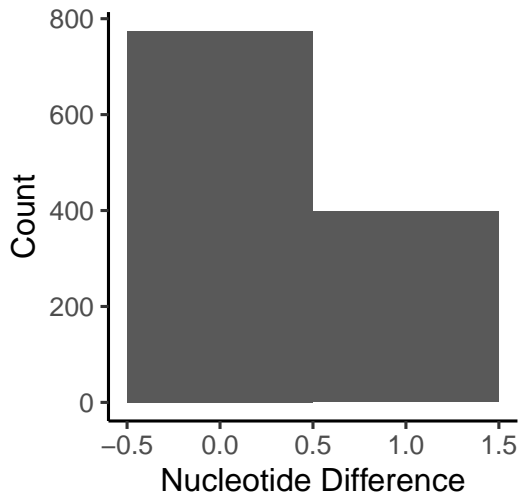
TRBV7-7*ap01

498 sequences assigned
498 (100%) exact matches, in which:
498 unique CDR3
13 unique J



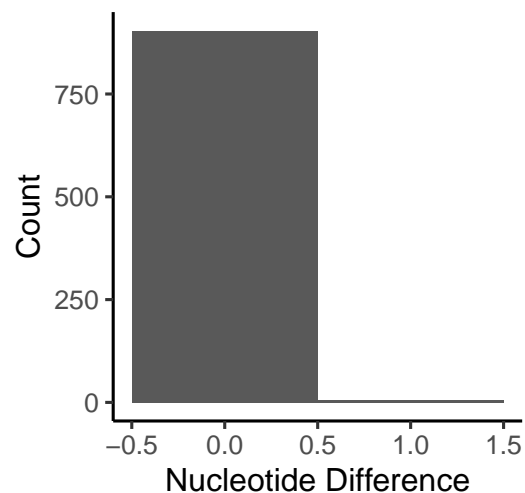
TRBV7-8*ap03

1173 sequences assigned
775 (66.1%) exact matches, in which:
775 unique CDR3
13 unique J



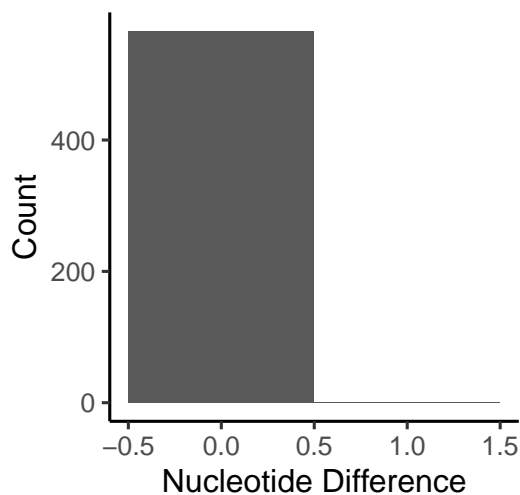
TRBV29-1*ap02

909 sequences assigned
904 (99.4%) exact matches, in which:
903 unique CDR3
13 unique J



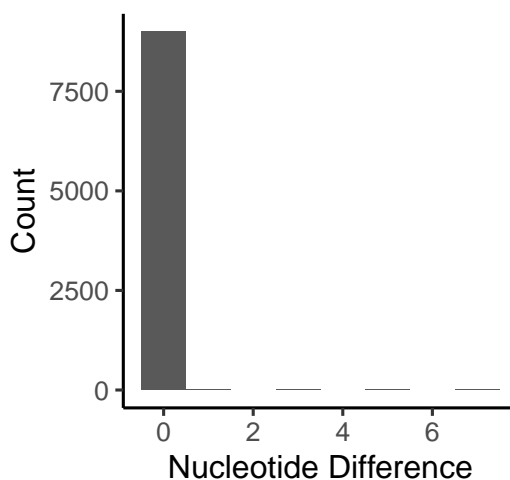
TRBV7-7*ap01_C315T

567 sequences assigned
566 (99.8%) exact matches, in which:
566 unique CDR3
13 unique J



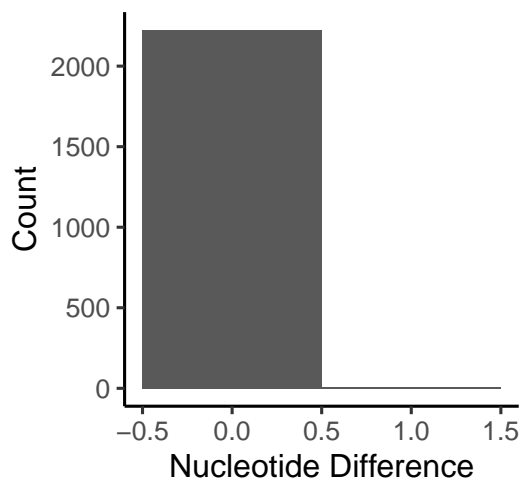
TRBV7-9*ap01

9009 sequences assigned
8996 (99.9%) exact matches, in which:
8991 unique CDR3
13 unique J



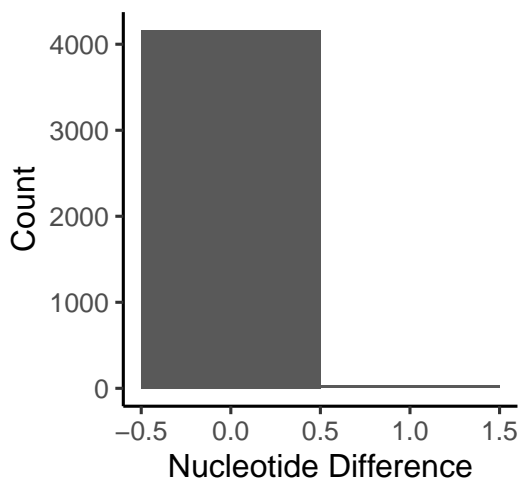
TRBV7-8*ap01

2232 sequences assigned
2224 (99.6%) exact matches, in which:
2224 unique CDR3
13 unique J

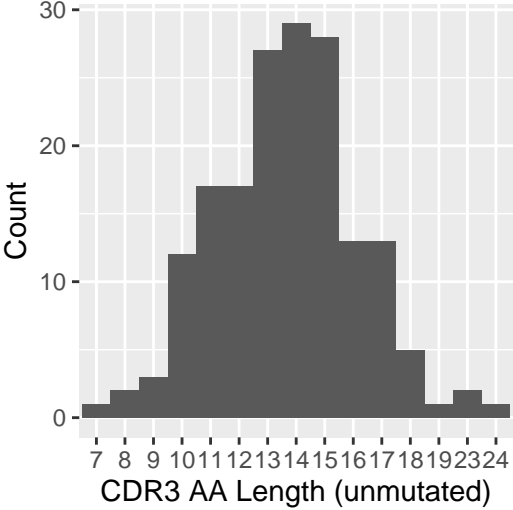


TRBV29-1*ap01

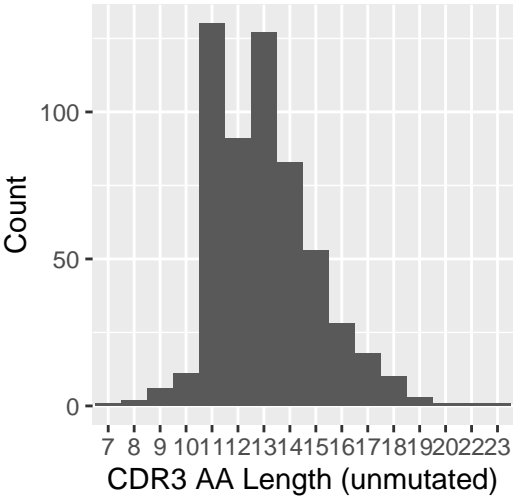
4197 sequences assigned
4165 (99.2%) exact matches, in which:
4155 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]