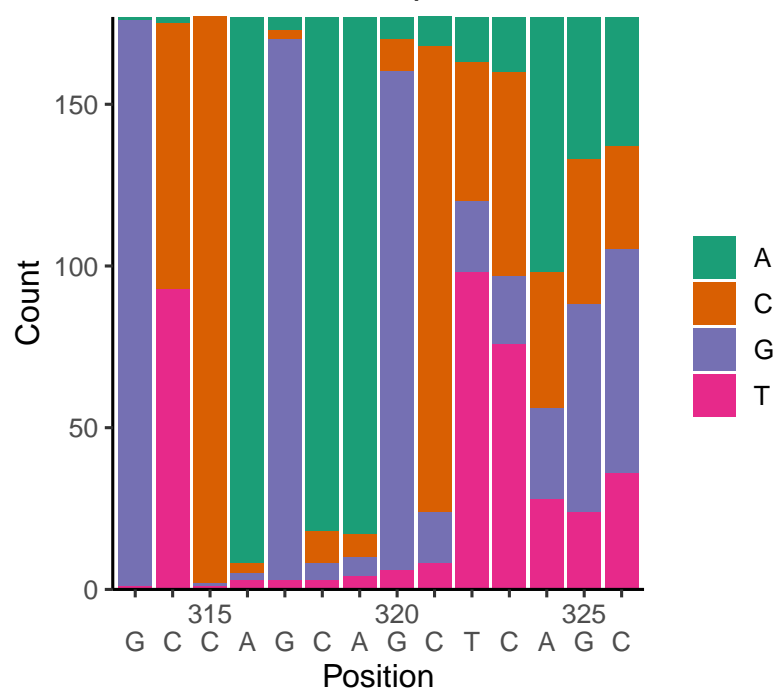
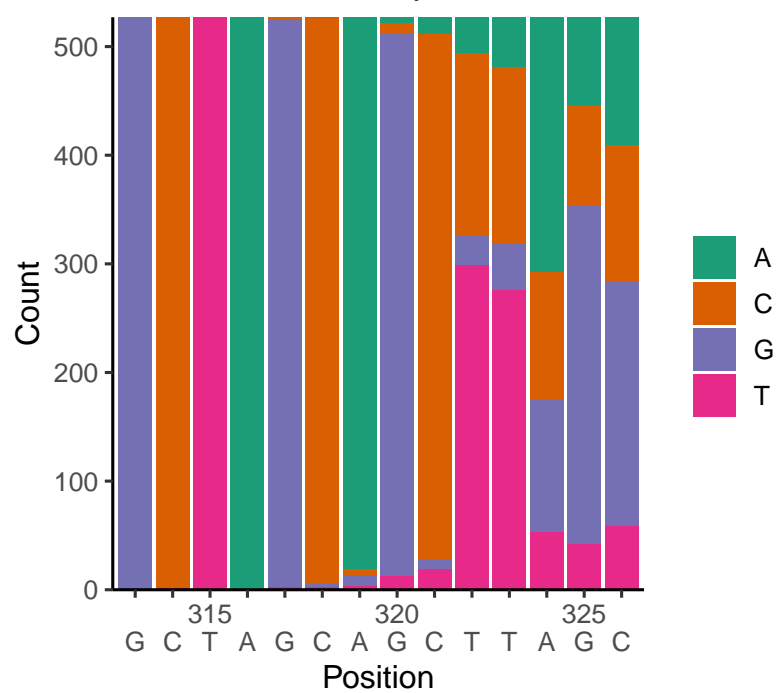


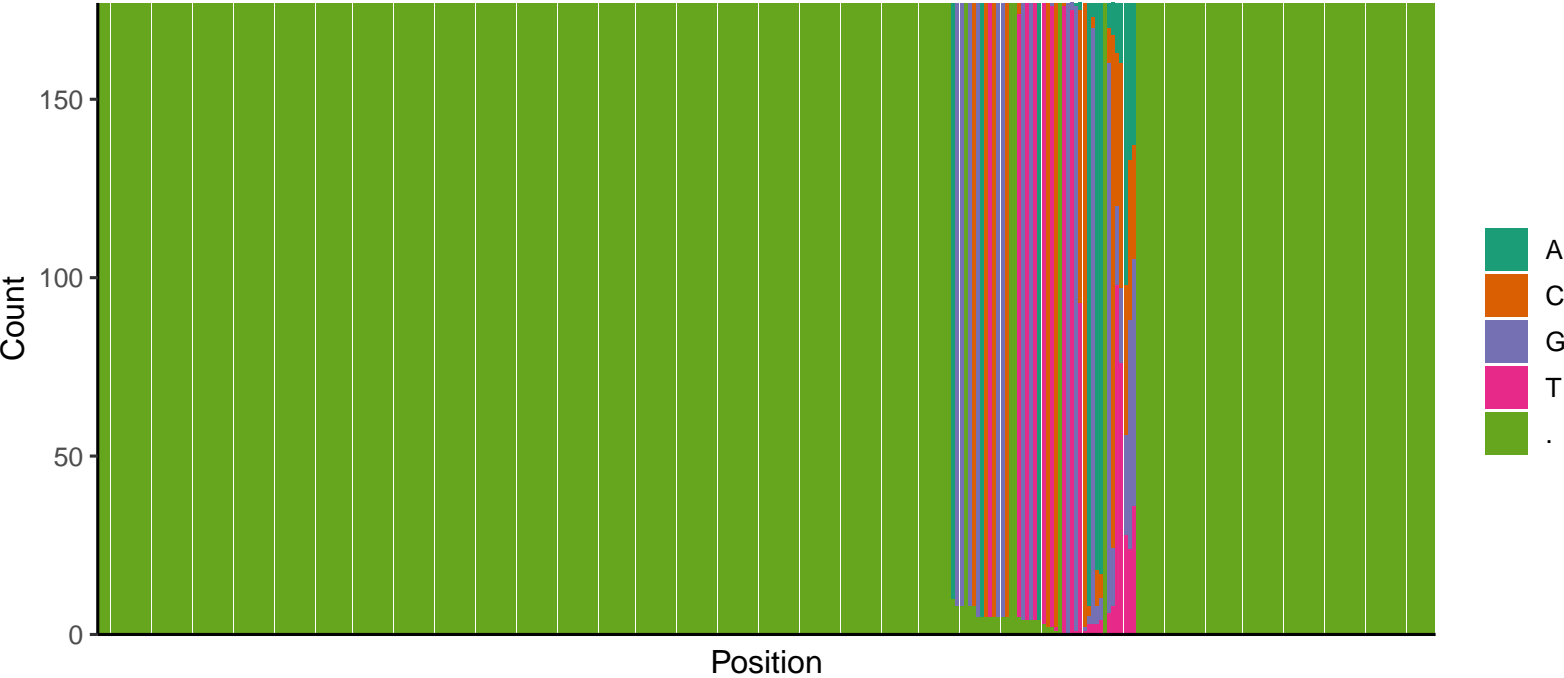
Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-7*ap01_C315T



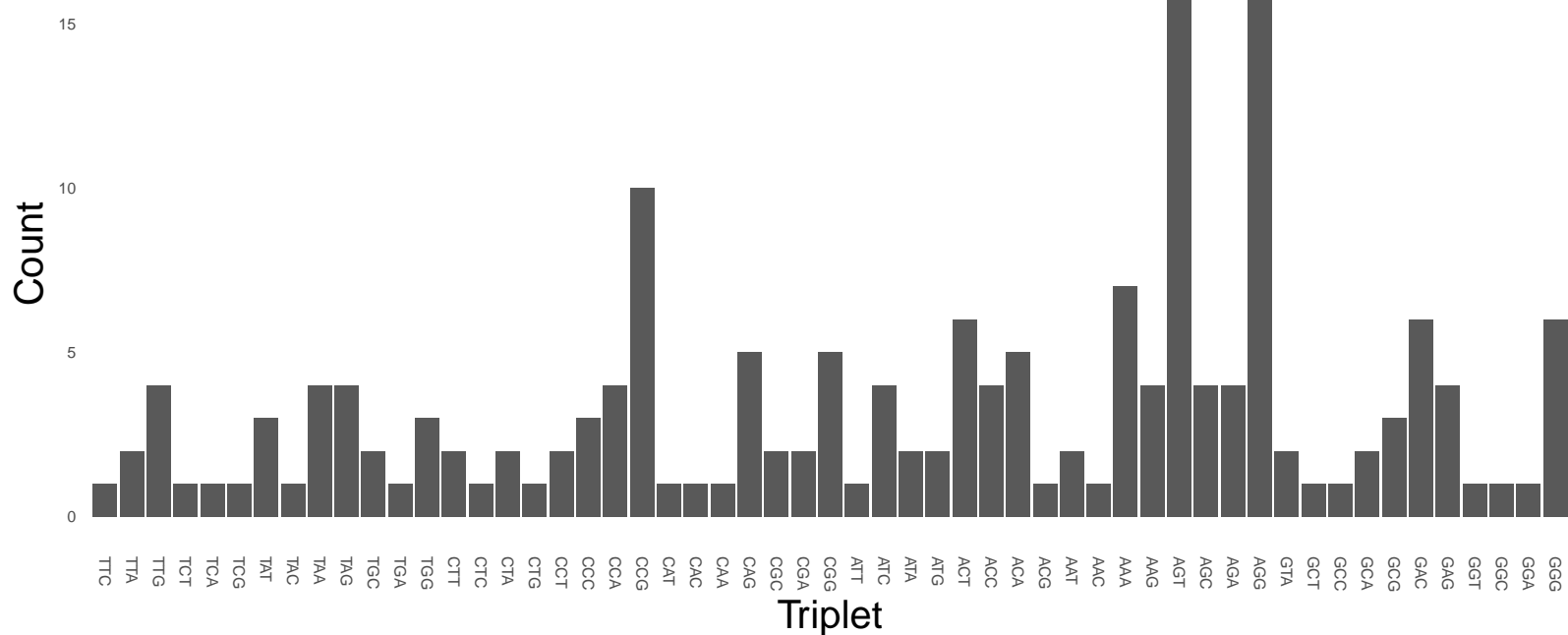
Gene TRBV7-1*ap01_G291C_T296C



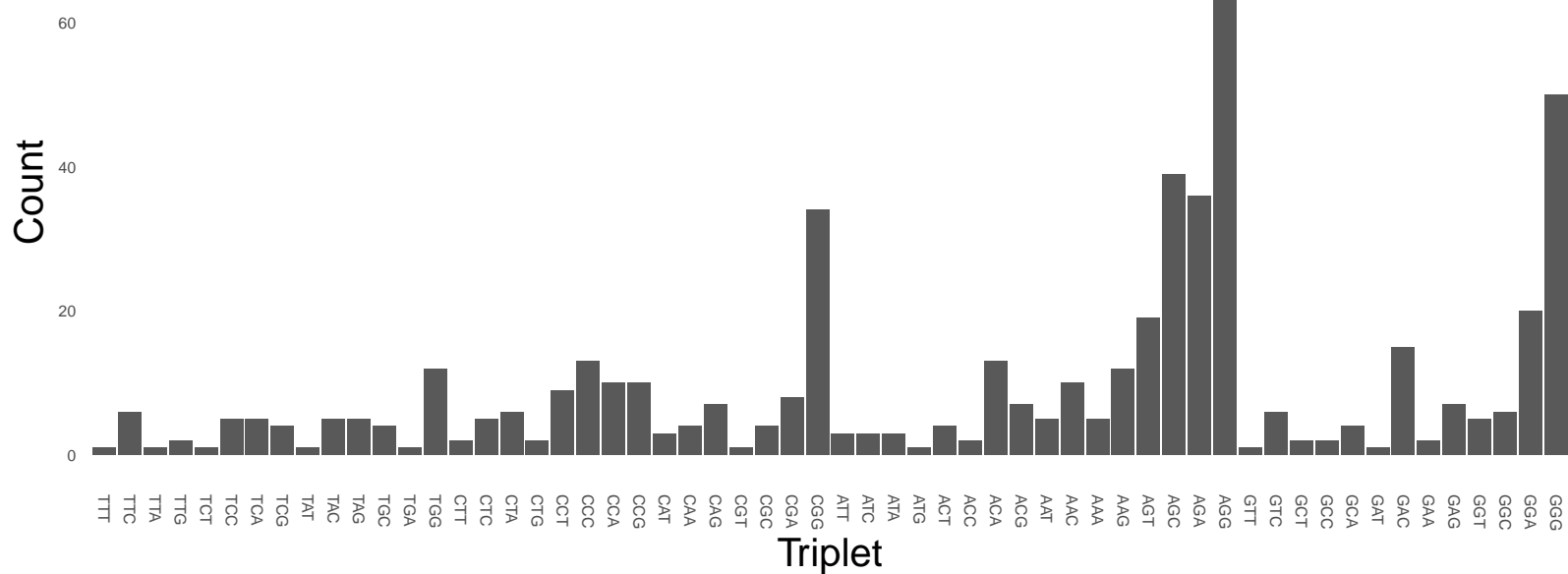
Gene TRBV7-7*ap01_C315T



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

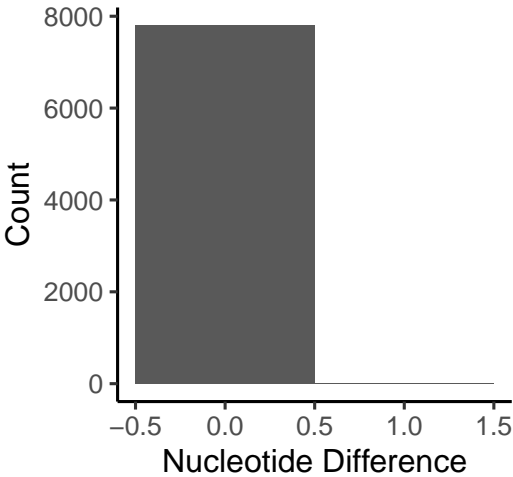


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



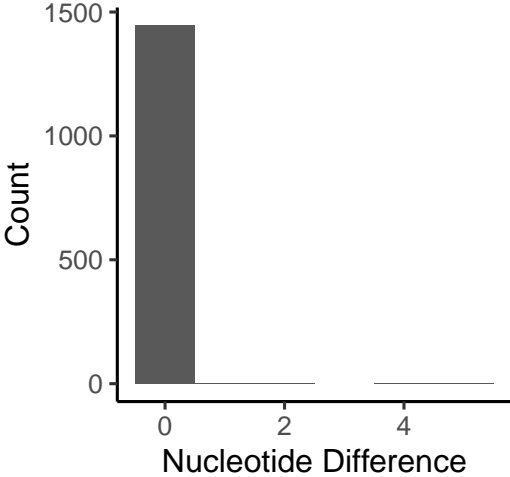
TRBV20-1*ap01

7816 sequences assigned
7800 (99.8%) exact matches, in which:
7788 unique CDR3
13 unique J



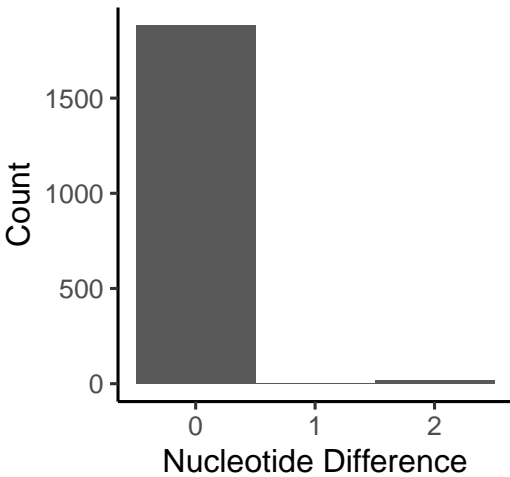
TRBV10-2*ap01

1450 sequences assigned
1446 (99.7%) exact matches, in which:
1445 unique CDR3
13 unique J



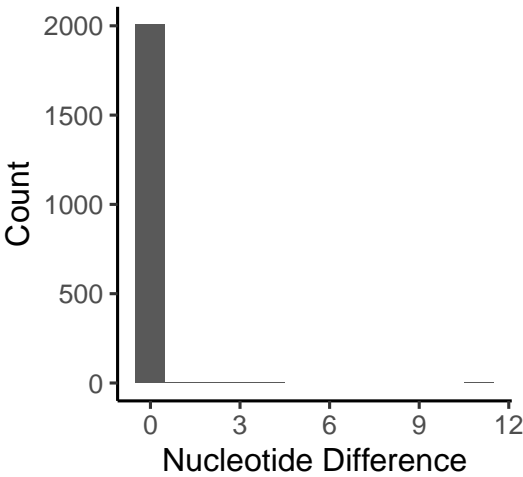
TRBV13*ap01

1904 sequences assigned
1882 (98.8%) exact matches, in which:
1874 unique CDR3
13 unique J



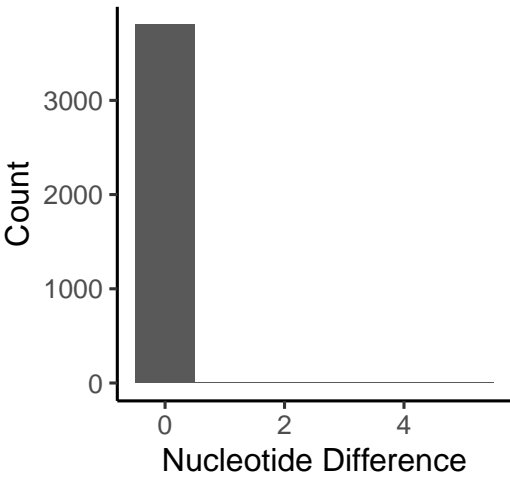
TRBV10-1*ap01

2016 sequences assigned
2006 (99.5%) exact matches, in which:
2003 unique CDR3
13 unique J



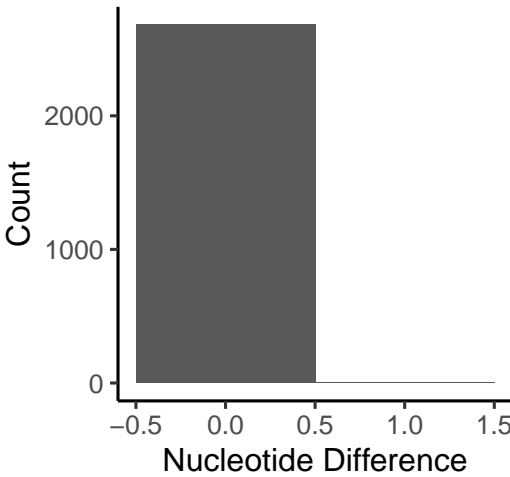
TRBV10-3*ap01

3811 sequences assigned
3803 (99.8%) exact matches, in which:
3798 unique CDR3
13 unique J



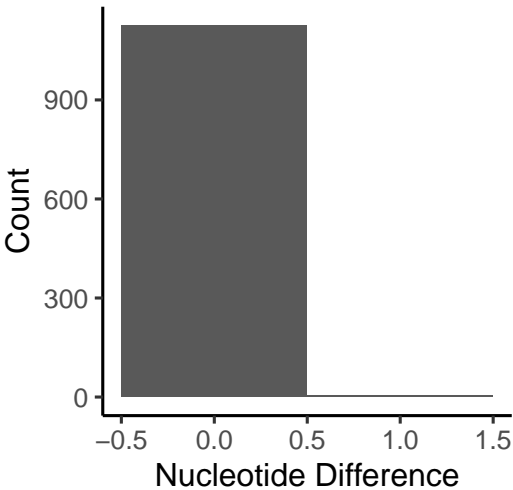
TRBV14*ap01

2683 sequences assigned
2682 (100%) exact matches, in which:
2680 unique CDR3
13 unique J



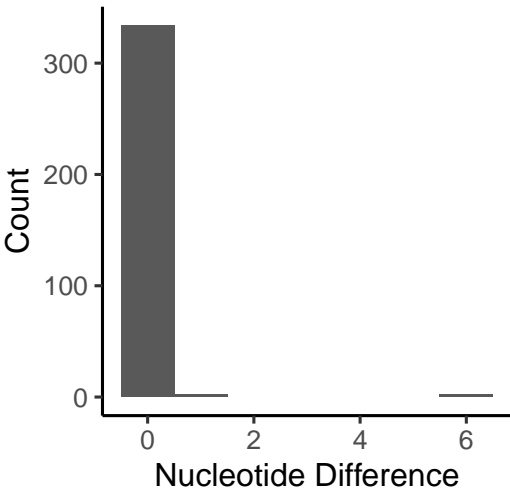
TRBV20-1*ap02

1131 sequences assigned
1126 (99.6%) exact matches, in which:
1125 unique CDR3
13 unique J



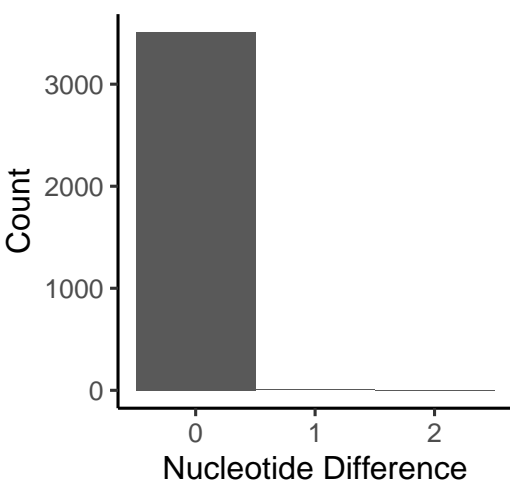
TRBV1*ap01

338 sequences assigned
334 (98.8%) exact matches, in which:
334 unique CDR3
13 unique J



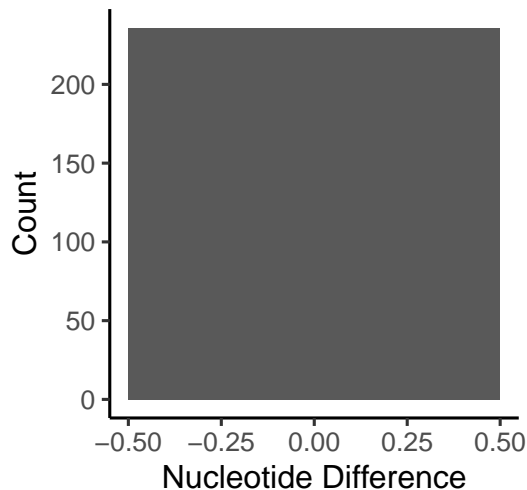
TRBV15*ap02

3519 sequences assigned
3511 (99.8%) exact matches, in which:
3504 unique CDR3
13 unique J



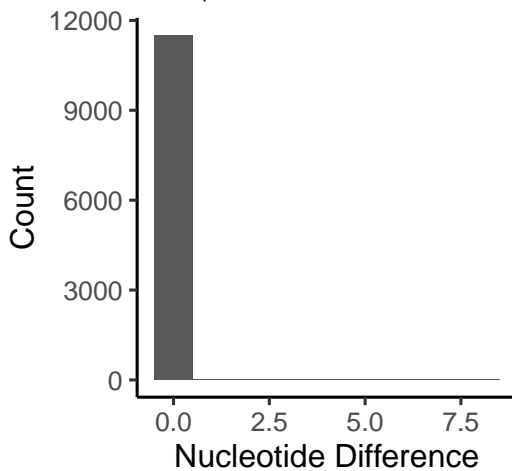
TRBV16*ap01

236 sequences assigned
236 (100%) exact matches, in which:
236 unique CDR3
13 unique J



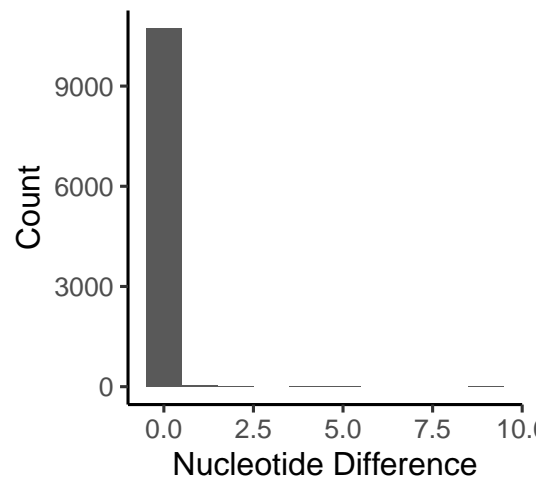
TRBV19*ap01

11539 sequences assigned
11508 (99.7%) exact matches, in which:
11506 unique CDR3
13 unique J



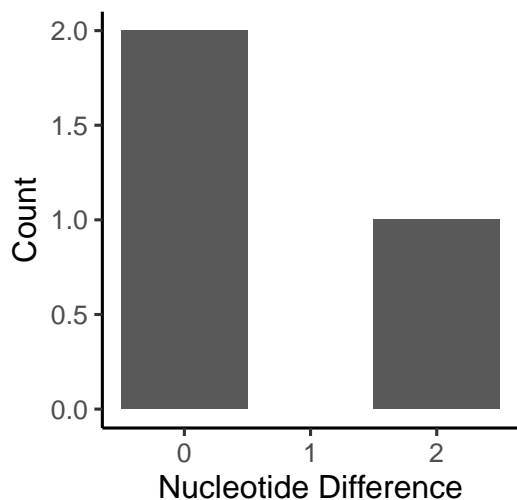
TRBV27*ap01

10780 sequences assigned
10727 (99.5%) exact matches, in which:
10693 unique CDR3
13 unique J



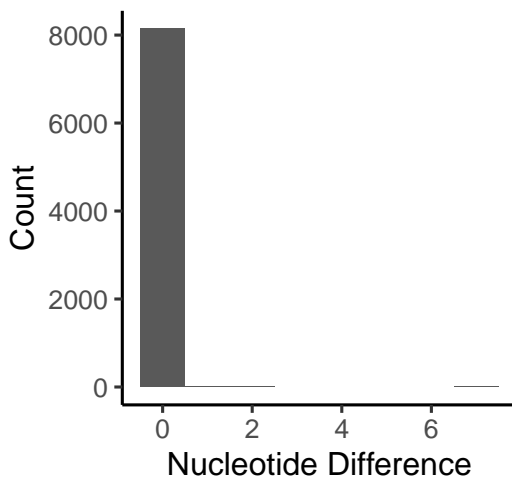
TRBV17*ap01

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



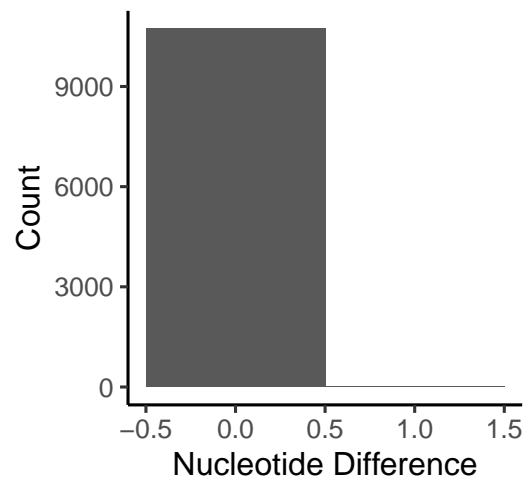
TRBV2*ap01

8164 sequences assigned
8144 (99.8%) exact matches, in which:
8132 unique CDR3
13 unique J



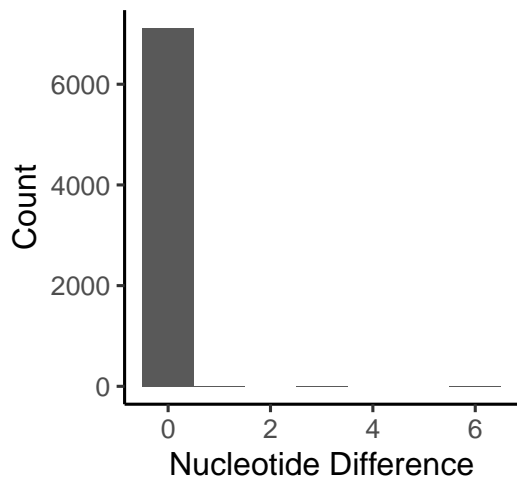
TRBV28*ap01

10745 sequences assigned
10730 (99.9%) exact matches, in which:
10726 unique CDR3
13 unique J



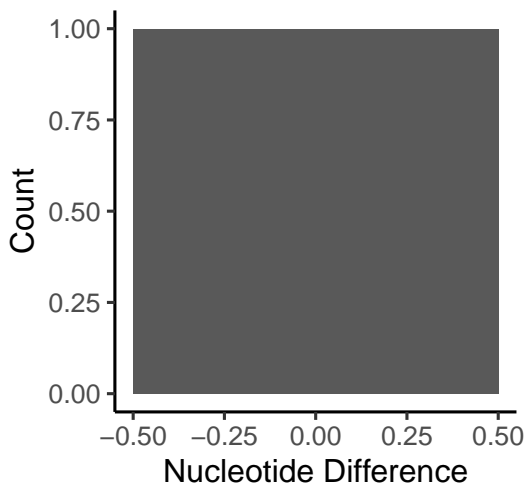
TRBV18*ap01

7126 sequences assigned
7116 (99.9%) exact matches, in which:
7112 unique CDR3
13 unique J



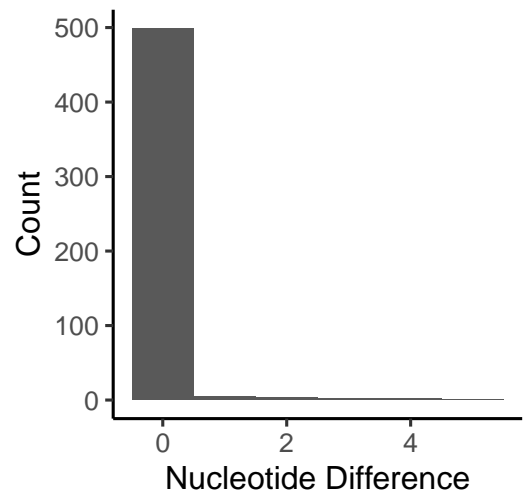
TRBV26*ap01

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



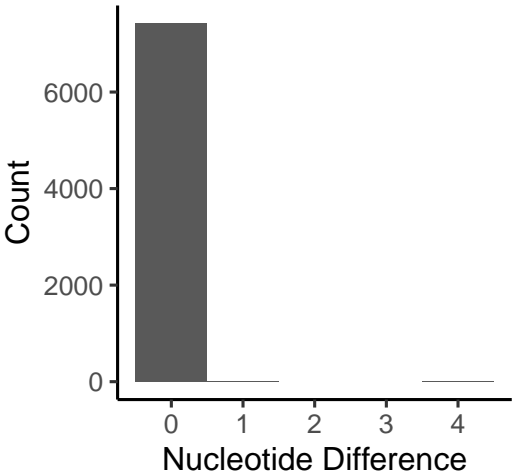
TRBV30*ap02

512 sequences assigned
499 (97.5%) exact matches, in which:
498 unique CDR3
13 unique J



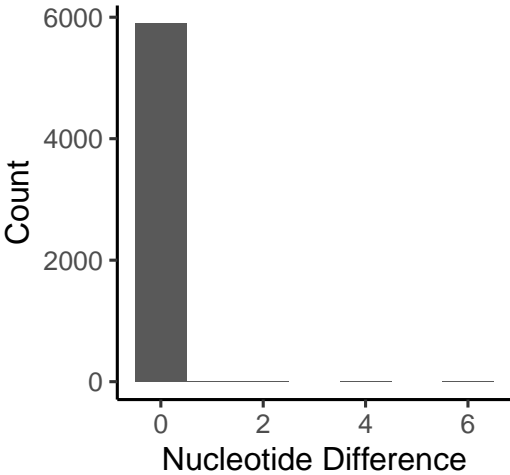
TRBV9*ap01

7429 sequences assigned
7422 (99.9%) exact matches, in which:
7405 unique CDR3
13 unique J



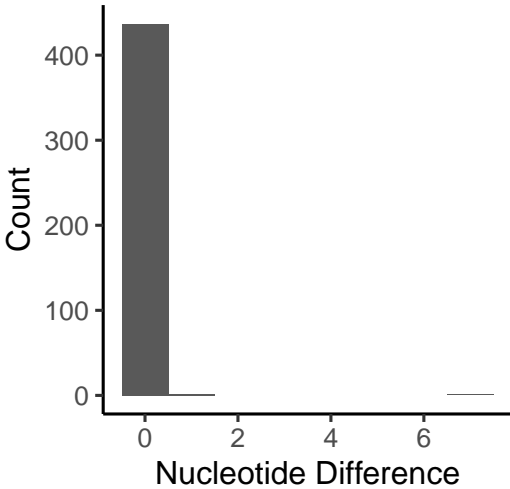
TRBV11-2*ap01

5908 sequences assigned
5898 (99.8%) exact matches, in which:
5897 unique CDR3
13 unique J



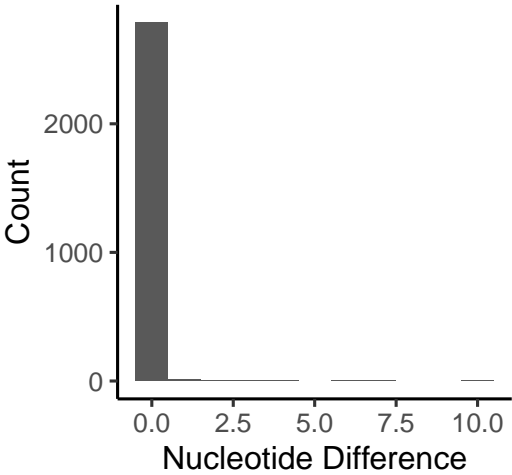
TRBV12-2*ap01

440 sequences assigned
437 (99.3%) exact matches, in which:
436 unique CDR3
13 unique J



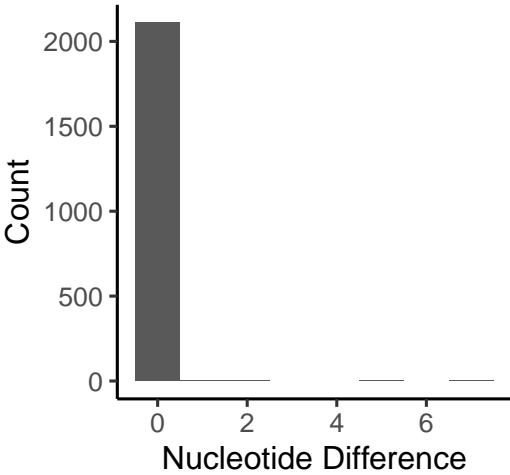
TRBV21-1*ap01

2808 sequences assigned
2786 (99.2%) exact matches, in which:
2786 unique CDR3
13 unique J



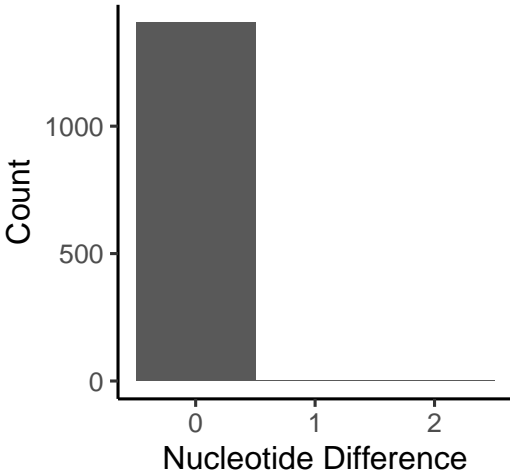
TRBV11-3*ap01

2119 sequences assigned
2110 (99.6%) exact matches, in which:
2109 unique CDR3
13 unique J



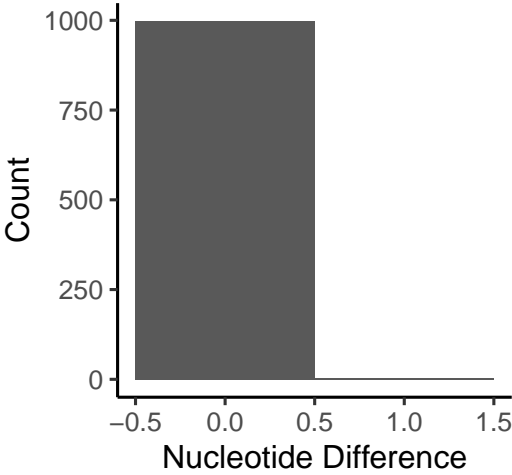
TRBV12-5*ap01

1409 sequences assigned
1406 (99.8%) exact matches, in which:
1405 unique CDR3
13 unique J



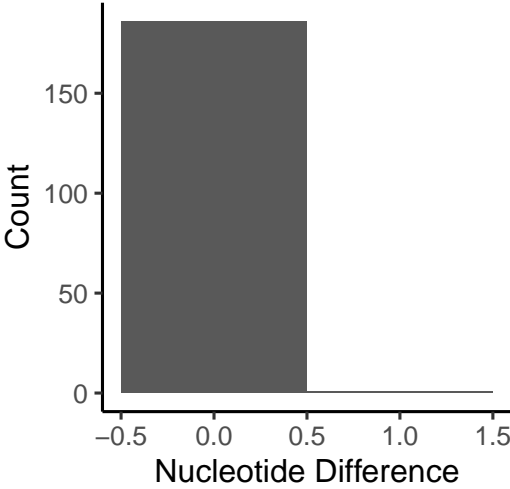
TRBV11-1*ap01

1002 sequences assigned
998 (99.6%) exact matches, in which:
998 unique CDR3
13 unique J



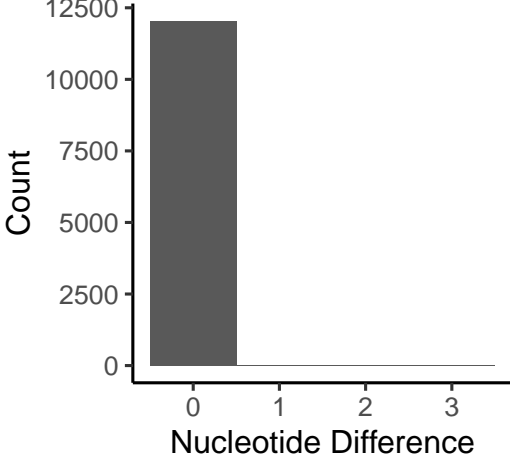
TRBV12-1*ap01

187 sequences assigned
186 (99.5%) exact matches, in which:
186 unique CDR3
13 unique J



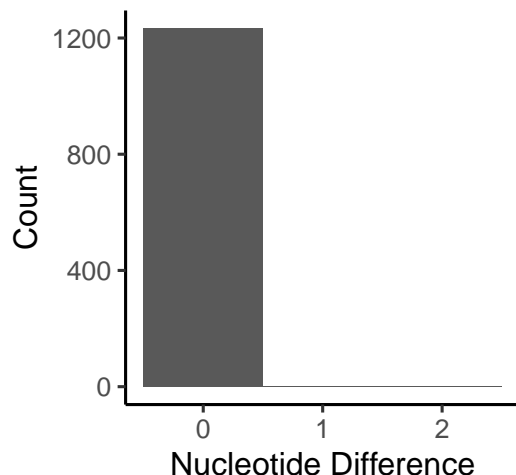
TRBV12-34*ap01

12070 sequences assigned
12046 (99.8%) exact matches, in which:
12036 unique CDR3
13 unique J



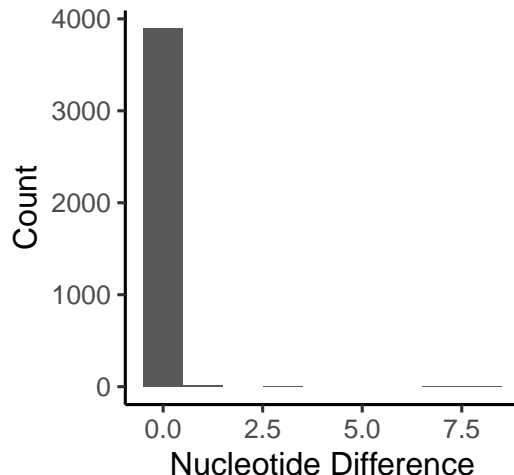
TRBV23-1*ap01

1236 sequences assigned
1233 (99.8%) exact matches, in which:
1233 unique CDR3
13 unique J



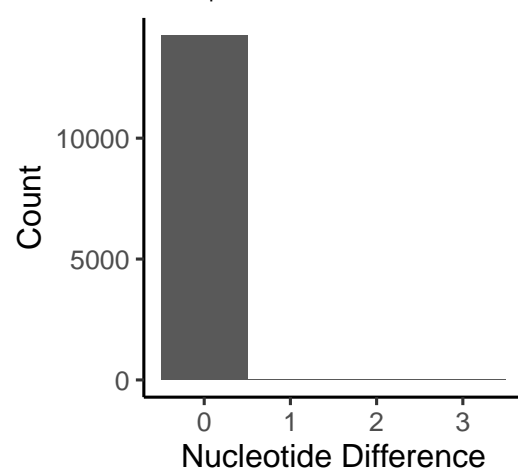
TRBV24-1*ap01

3913 sequences assigned
3896 (99.6%) exact matches, in which:
3886 unique CDR3
13 unique J



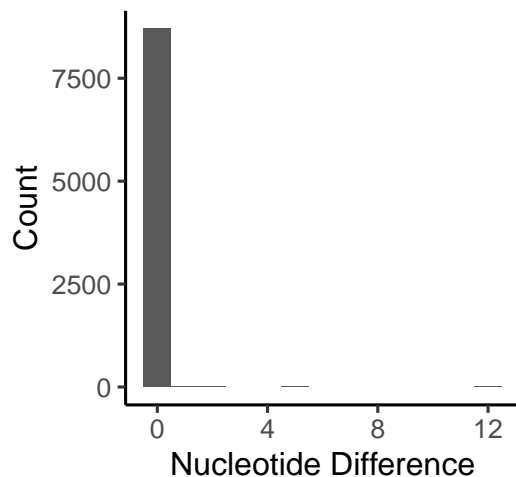
TRBV5-1*ap01

14295 sequences assigned
14262 (99.8%) exact matches, in which:
14215 unique CDR3
14 unique J



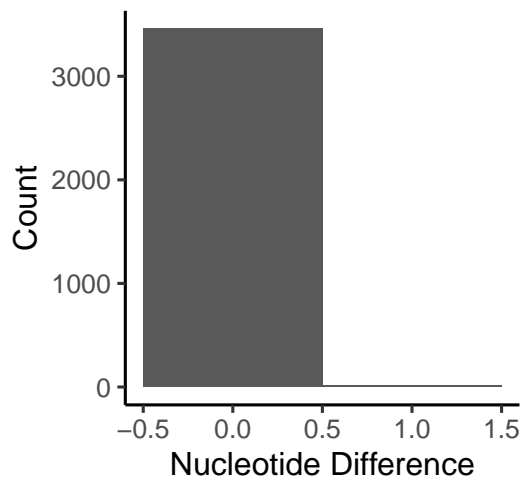
TRBV3-12*ap01

8729 sequences assigned
8703 (99.7%) exact matches, in which:
8690 unique CDR3
13 unique J



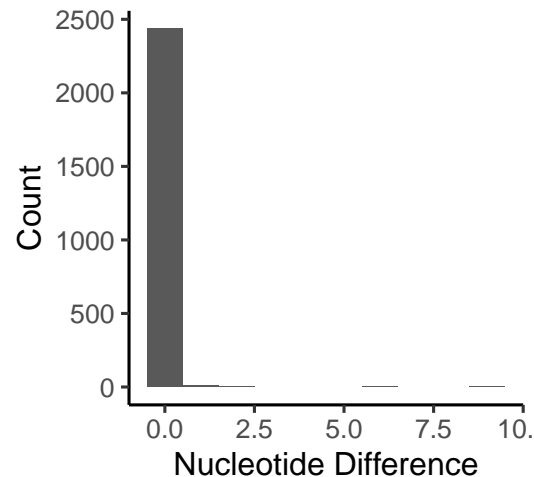
TRBV4-2*ap01

3470 sequences assigned
3459 (99.7%) exact matches, in which:
3452 unique CDR3
13 unique J



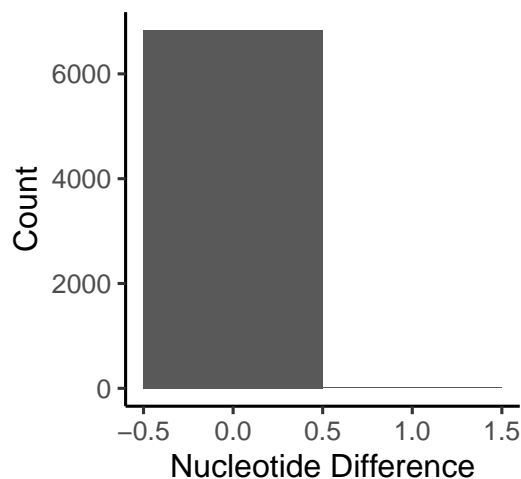
TRBV25-1*ap01

2451 sequences assigned
2436 (99.4%) exact matches, in which:
2428 unique CDR3
13 unique J



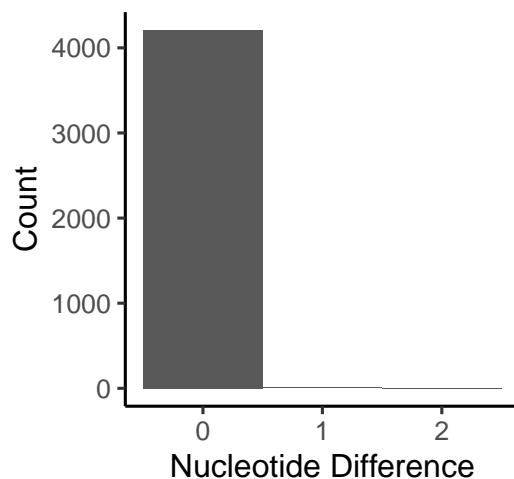
TRBV4-1*ap01

6850 sequences assigned
6836 (99.8%) exact matches, in which:
6830 unique CDR3
13 unique J



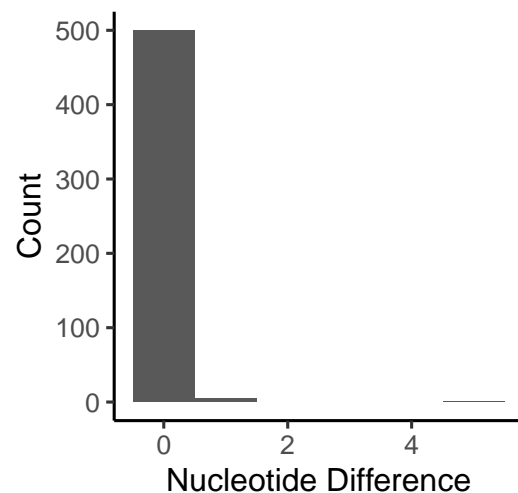
TRBV4-3*ap01

4221 sequences assigned
4209 (99.7%) exact matches, in which:
4204 unique CDR3
13 unique J



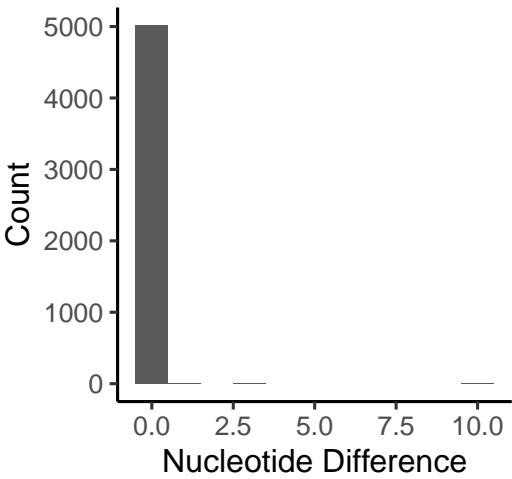
TRBV5-3*ap01

506 sequences assigned
500 (98.8%) exact matches, in which:
500 unique CDR3
13 unique J



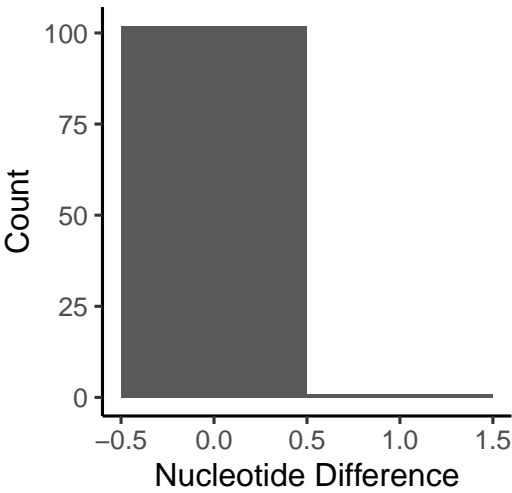
TRBV5-4*ap01

5026 sequences assigned
5016 (99.8%) exact matches, in which:
5016 unique CDR3
13 unique J



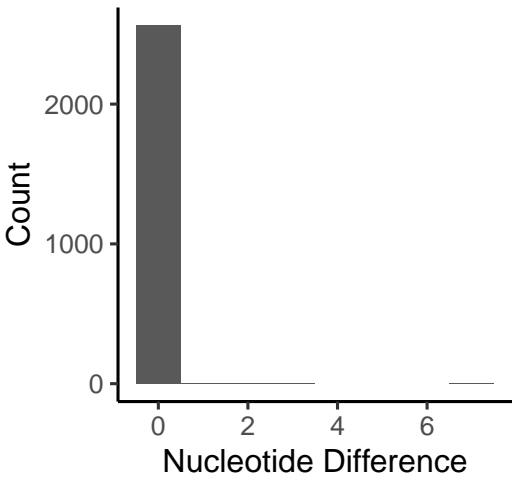
TRBV5-7*ap01

103 sequences assigned
102 (99%) exact matches, in which:
102 unique CDR3
12 unique J



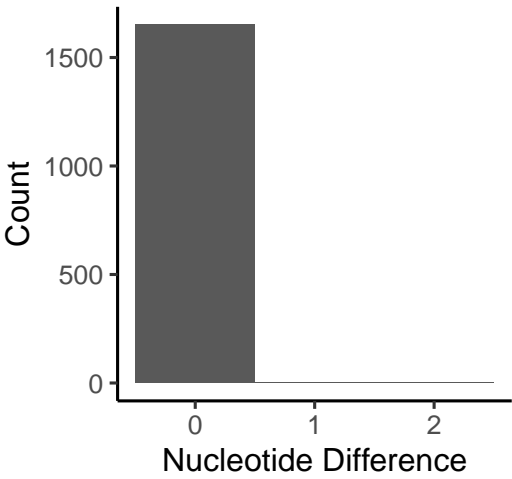
TRBV6-4*ap01

2579 sequences assigned
2563 (99.4%) exact matches, in which:
2560 unique CDR3
13 unique J



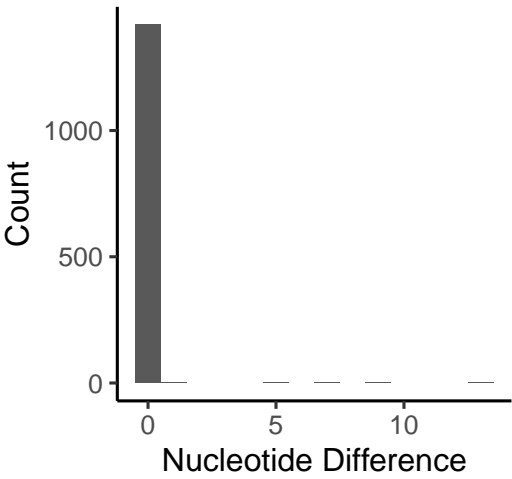
TRBV5-5*ap01

1655 sequences assigned
1651 (99.8%) exact matches, in which:
1650 unique CDR3
13 unique J



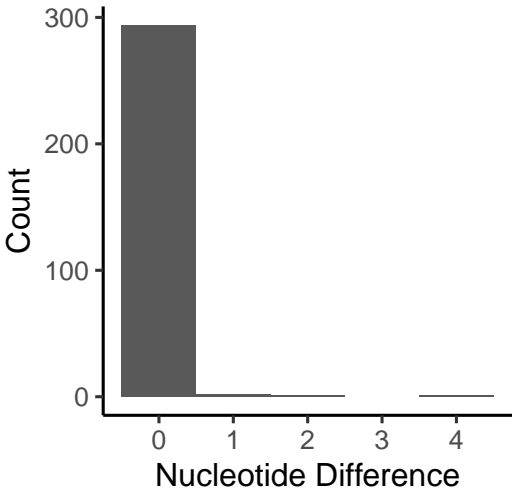
TRBV5-8*ap01

1426 sequences assigned
1419 (99.5%) exact matches, in which:
1418 unique CDR3
13 unique J



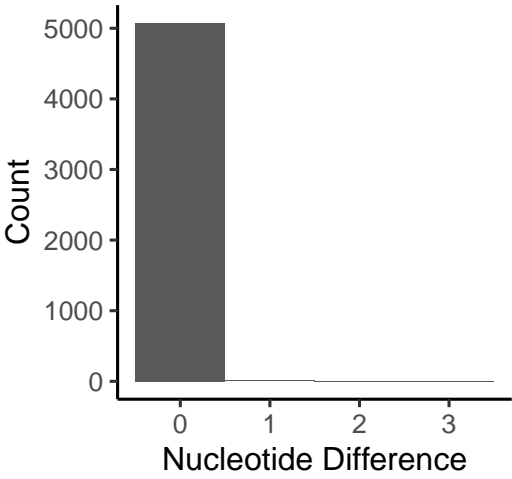
TRBV6-7*ap01

298 sequences assigned
294 (98.7%) exact matches, in which:
294 unique CDR3
13 unique J



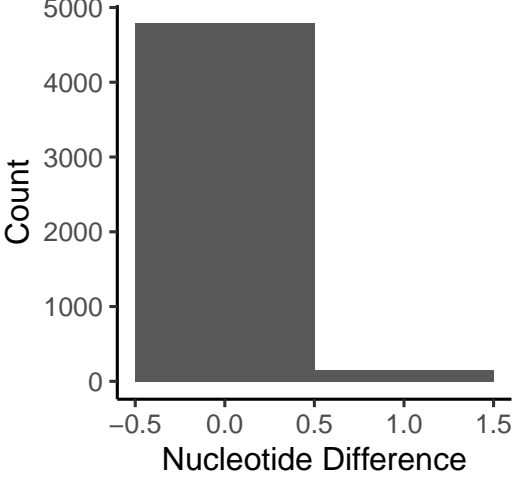
TRBV5-6*ap01

5088 sequences assigned
5074 (99.7%) exact matches, in which:
5057 unique CDR3
13 unique J



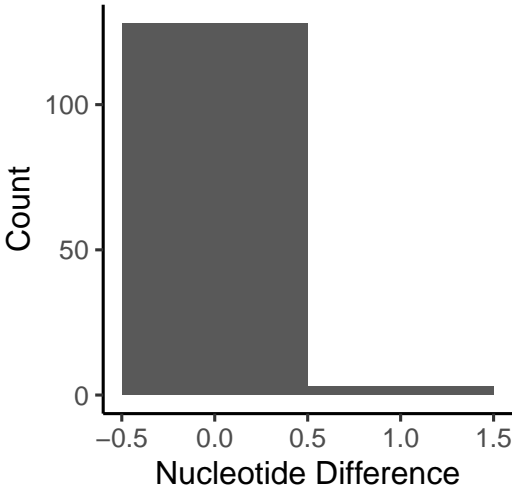
TRBV6-1*ap01

4943 sequences assigned
4792 (96.9%) exact matches, in which:
4782 unique CDR3
13 unique J



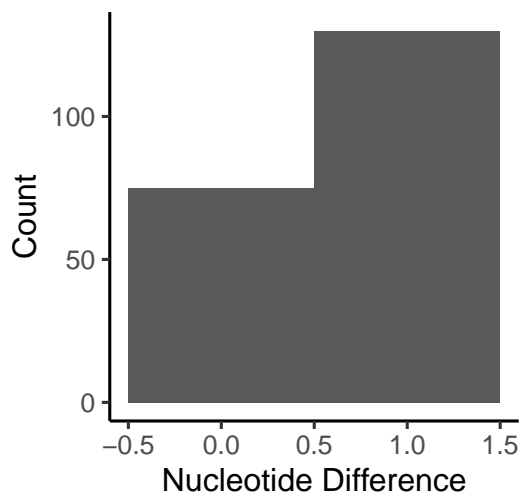
TRBV6-8*ap01

131 sequences assigned
128 (97.7%) exact matches, in which:
128 unique CDR3
13 unique J



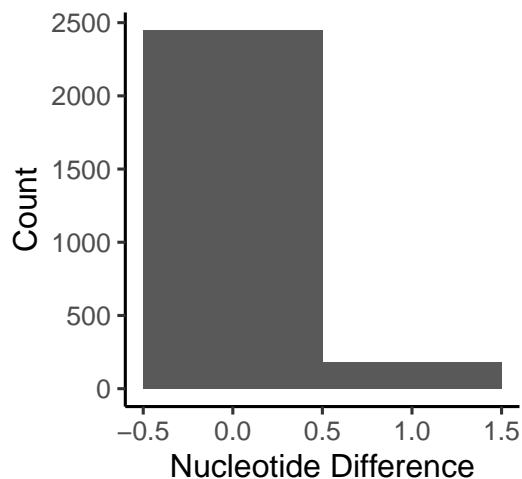
TRBV6-9*ap01

205 sequences assigned
75 (36.6%) exact matches, in which:
74 unique CDR3
12 unique J



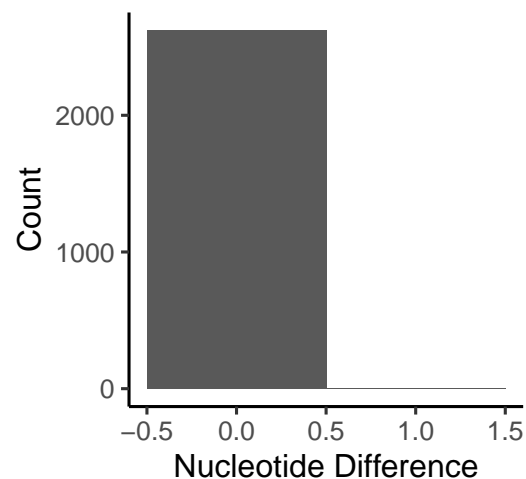
TRBV6-56*ap02

2628 sequences assigned
2447 (93.1%) exact matches, in which:
2445 unique CDR3
13 unique J



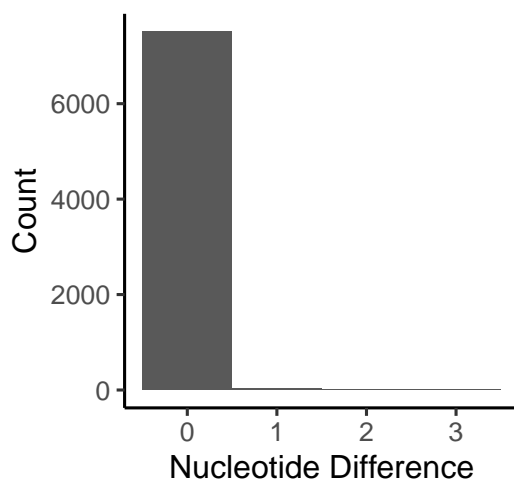
TRBV7-3*ap01

2626 sequences assigned
2621 (99.8%) exact matches, in which:
2619 unique CDR3
13 unique J



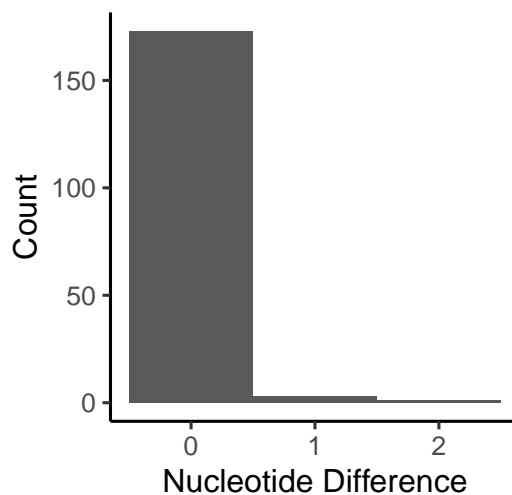
TRBV6-23*ap01

7534 sequences assigned
7508 (99.7%) exact matches, in which:
7481 unique CDR3
13 unique J



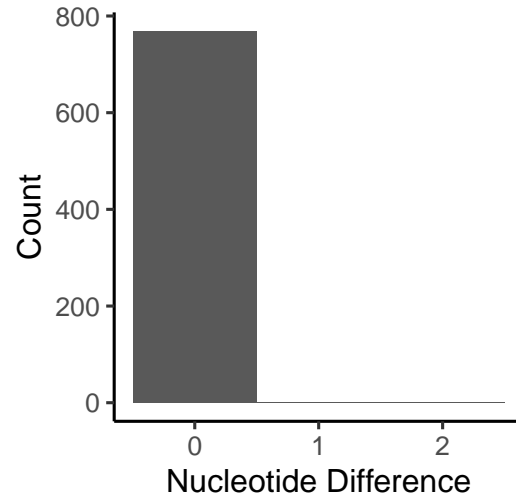
TRBV7-1*ap01_G291C_

177 sequences assigned
173 (97.7%) exact matches, in which:
173 unique CDR3
13 unique J



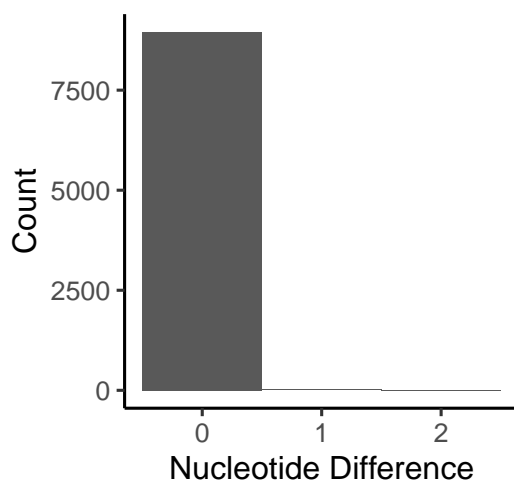
TRBV7-3*ap03

772 sequences assigned
769 (99.6%) exact matches, in which:
769 unique CDR3
13 unique J



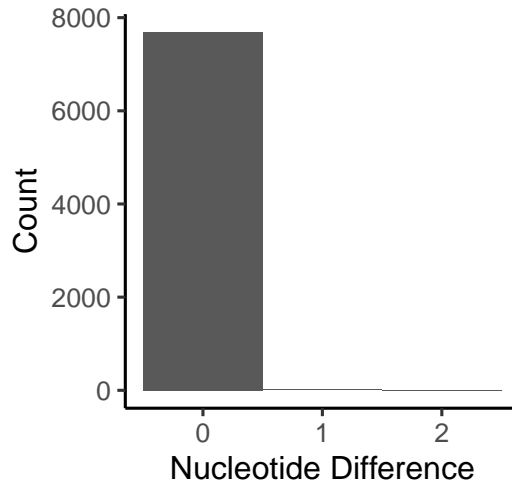
TRBV6-56*ap01

8972 sequences assigned
8952 (99.8%) exact matches, in which:
8933 unique CDR3
13 unique J



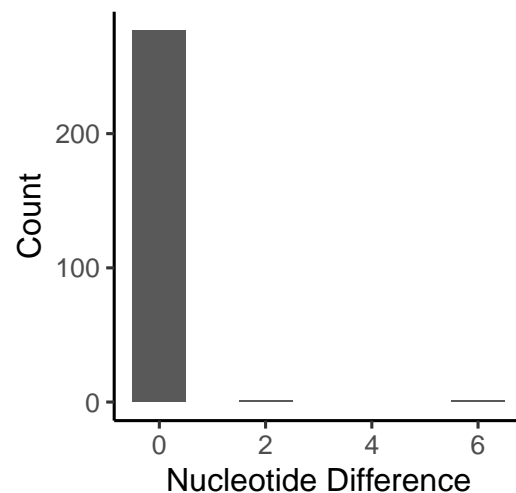
TRBV7-2*ap01

7707 sequences assigned
7691 (99.8%) exact matches, in which:
7687 unique CDR3
13 unique J



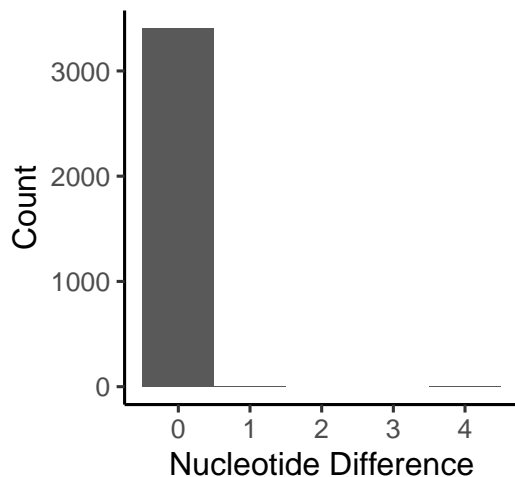
TRBV7-4*ap01

279 sequences assigned
277 (99.3%) exact matches, in which:
277 unique CDR3
13 unique J



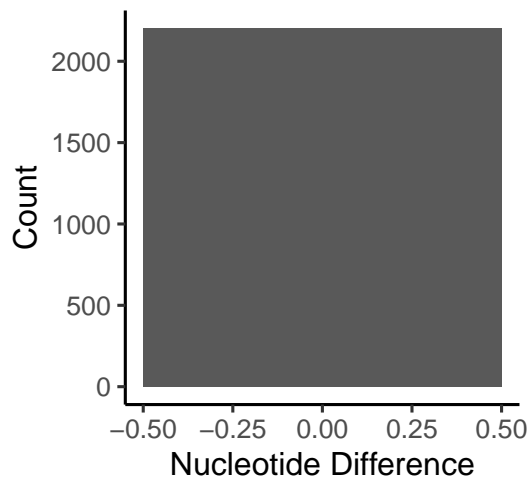
TRBV7-6*ap01

3409 sequences assigned
3404 (99.9%) exact matches, in which:
3402 unique CDR3
13 unique J



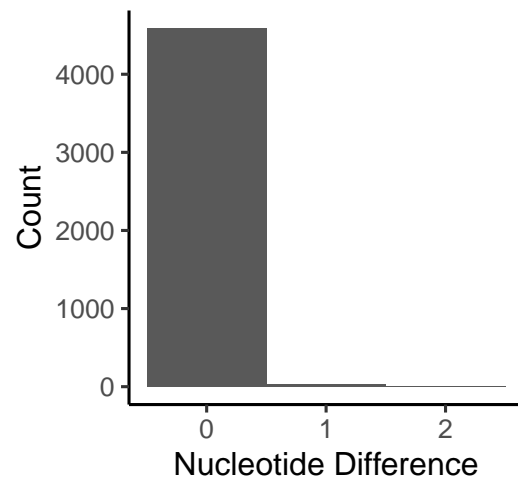
TRBV7-8*ap01

2202 sequences assigned
2202 (100%) exact matches, in which:
2200 unique CDR3
13 unique J



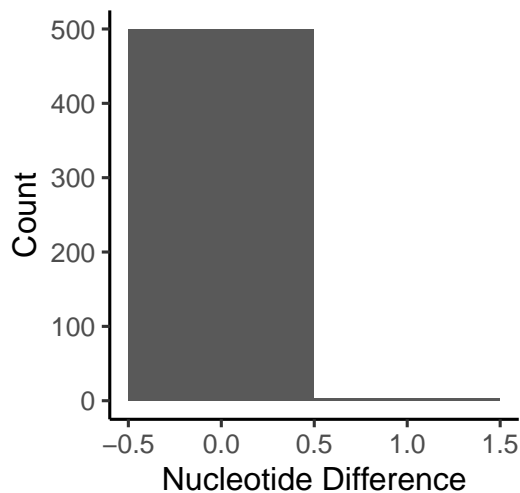
TRBV29-1*ap01

4615 sequences assigned
4587 (99.4%) exact matches, in which:
4581 unique CDR3
13 unique J



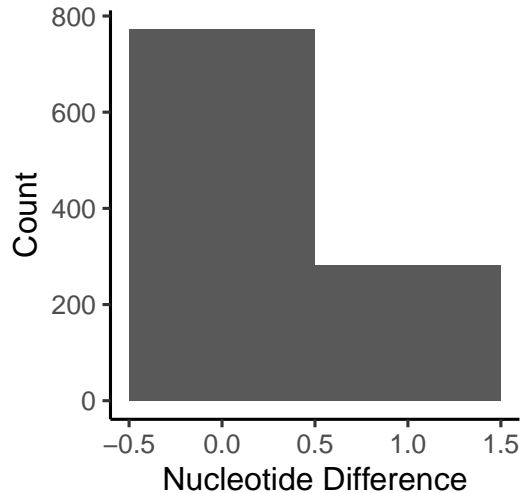
TRBV7-7*ap01

503 sequences assigned
500 (99.4%) exact matches, in which:
500 unique CDR3
13 unique J



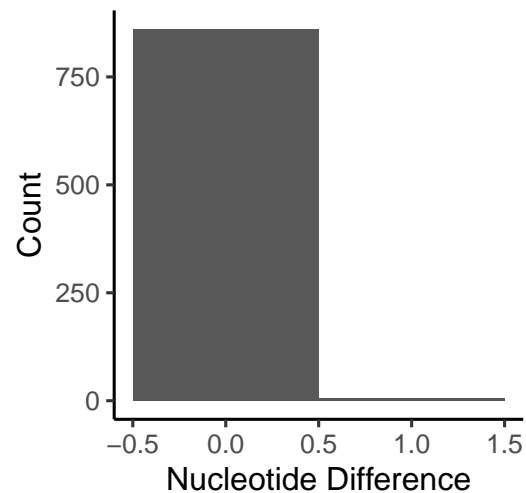
TRBV7-8*ap03

1054 sequences assigned
773 (73.3%) exact matches, in which:
773 unique CDR3
13 unique J



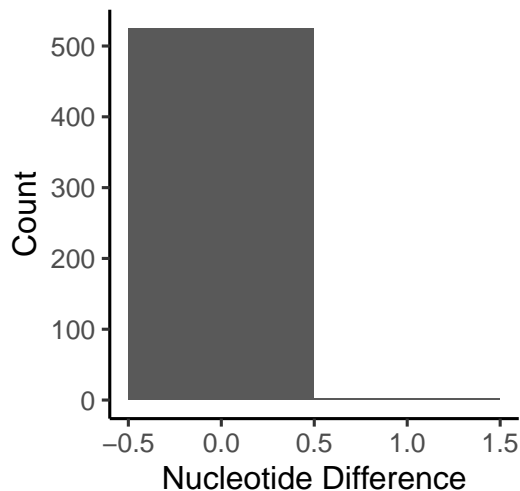
TRBV29-1*ap02

866 sequences assigned
861 (99.4%) exact matches, in which:
858 unique CDR3
13 unique J



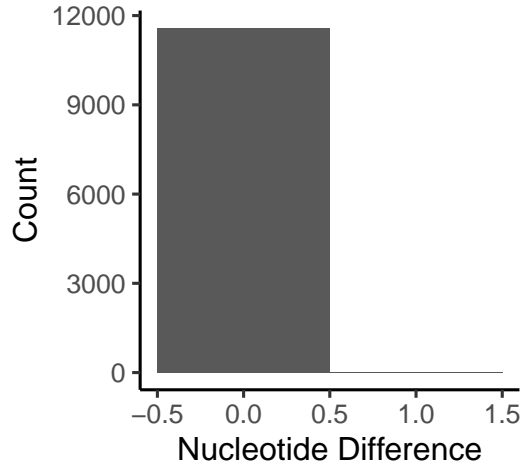
TRBV7-7*ap01_C315T

527 sequences assigned
525 (99.6%) exact matches, in which:
524 unique CDR3
13 unique J

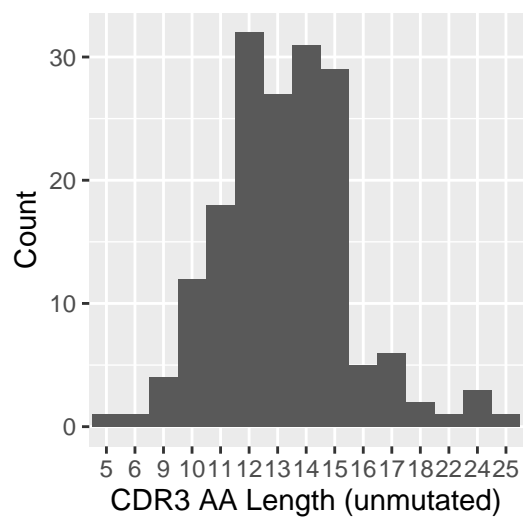


TRBV7-9*ap01

11606 sequences assigned
11590 (99.9%) exact matches, in which:
11586 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

