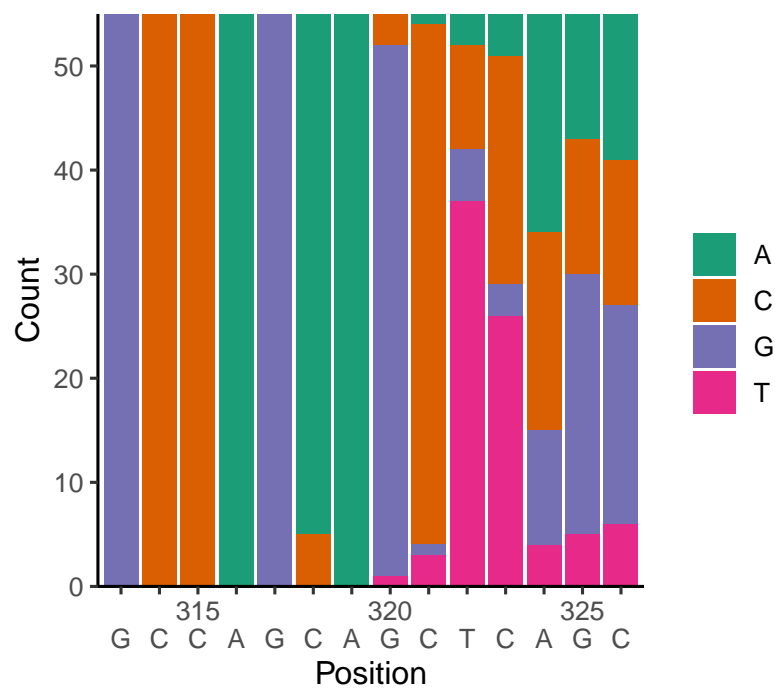
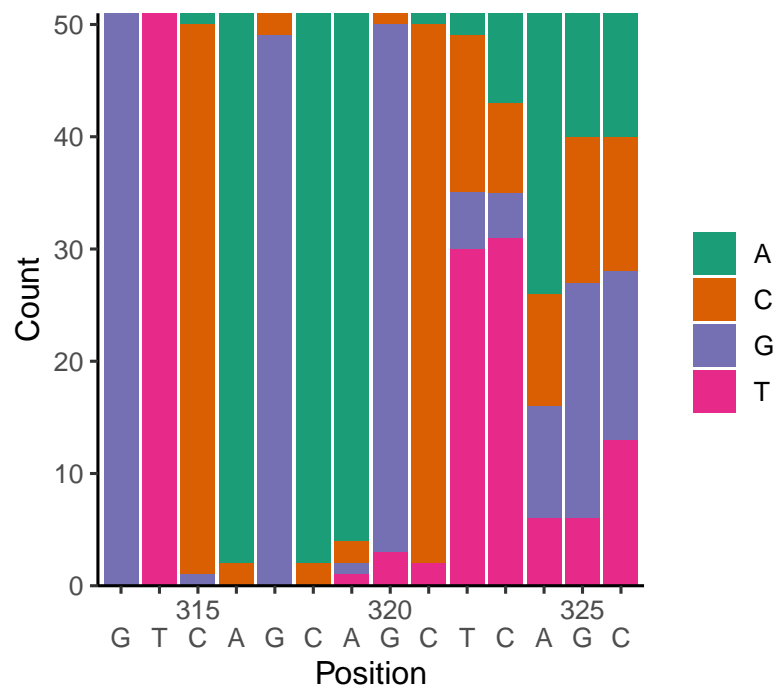


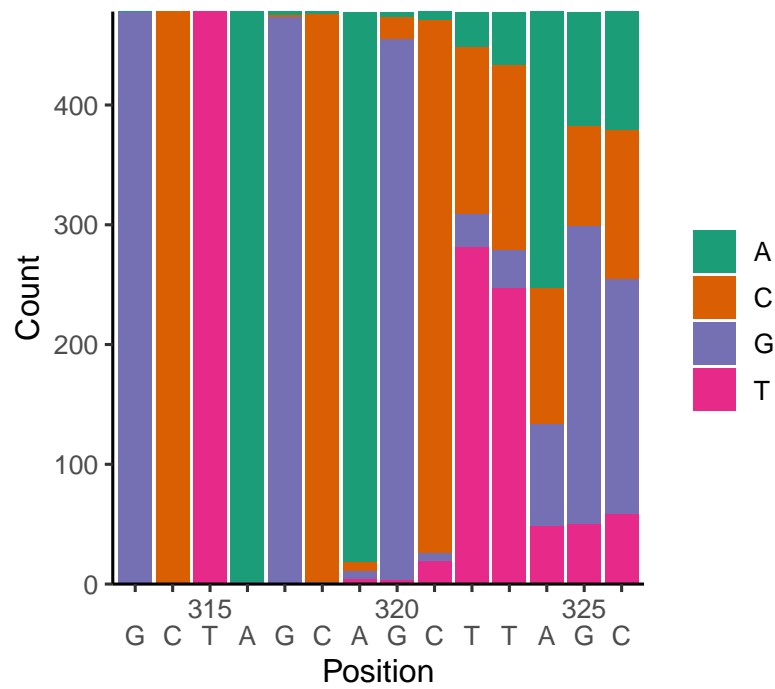
Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-1*ap01_G291C_T296C_C314T



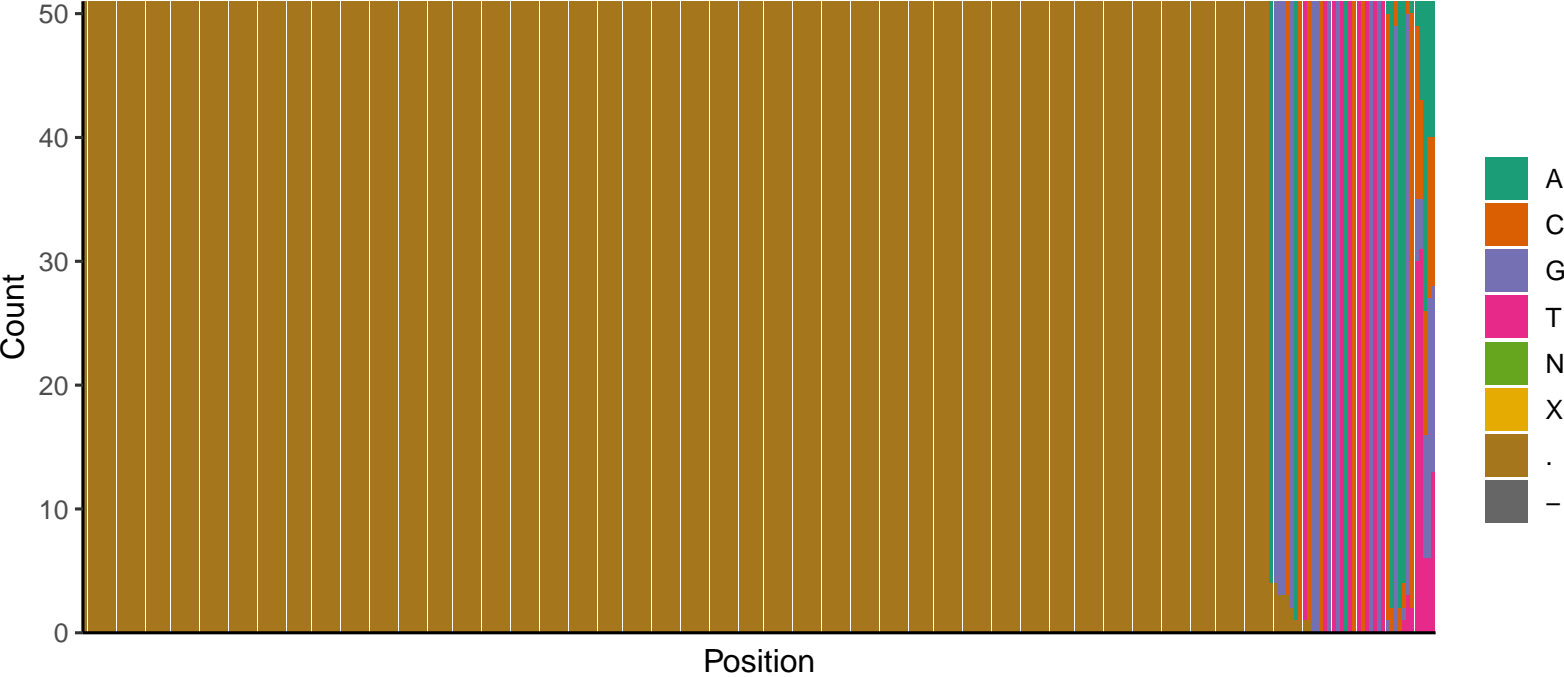
Gene TRBV7-7*ap01_C315T



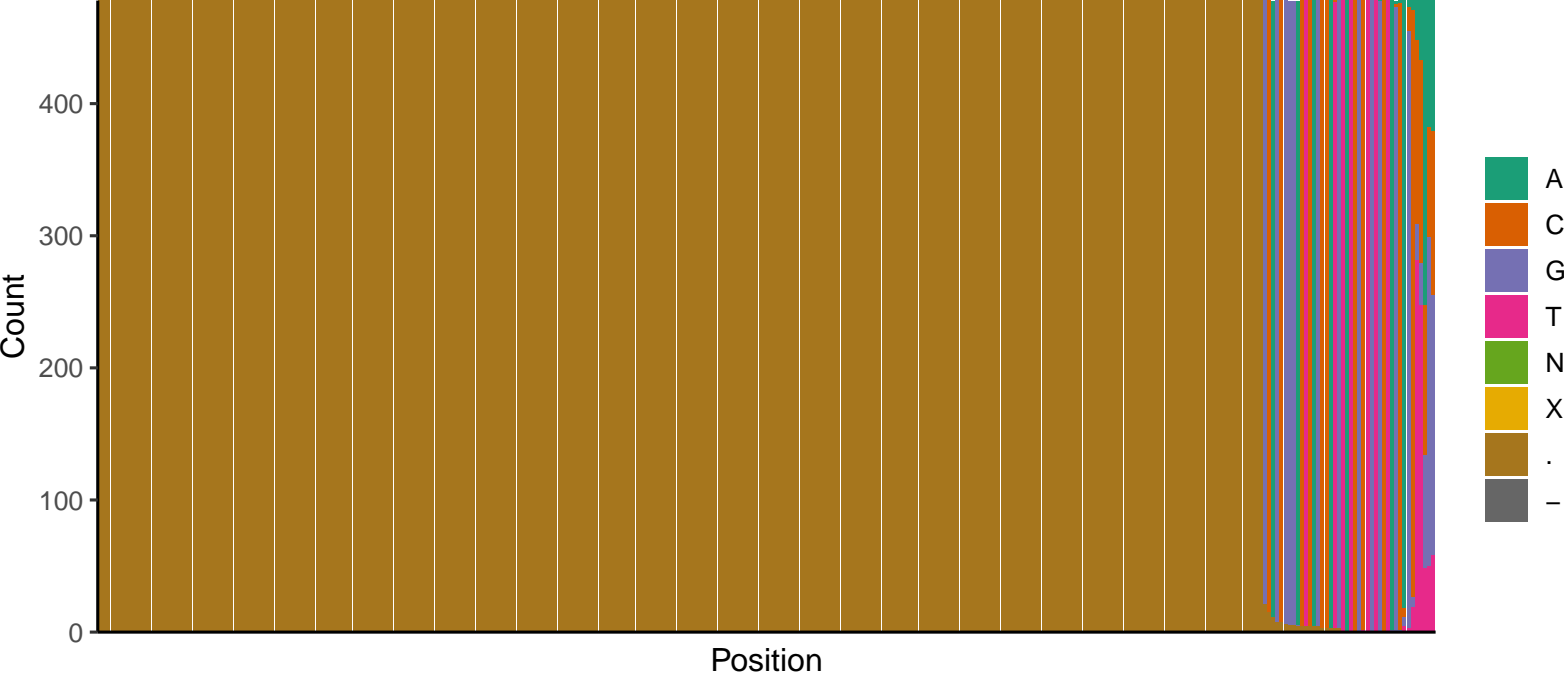
Gene TRBV7-1*ap01_G291C_T296C



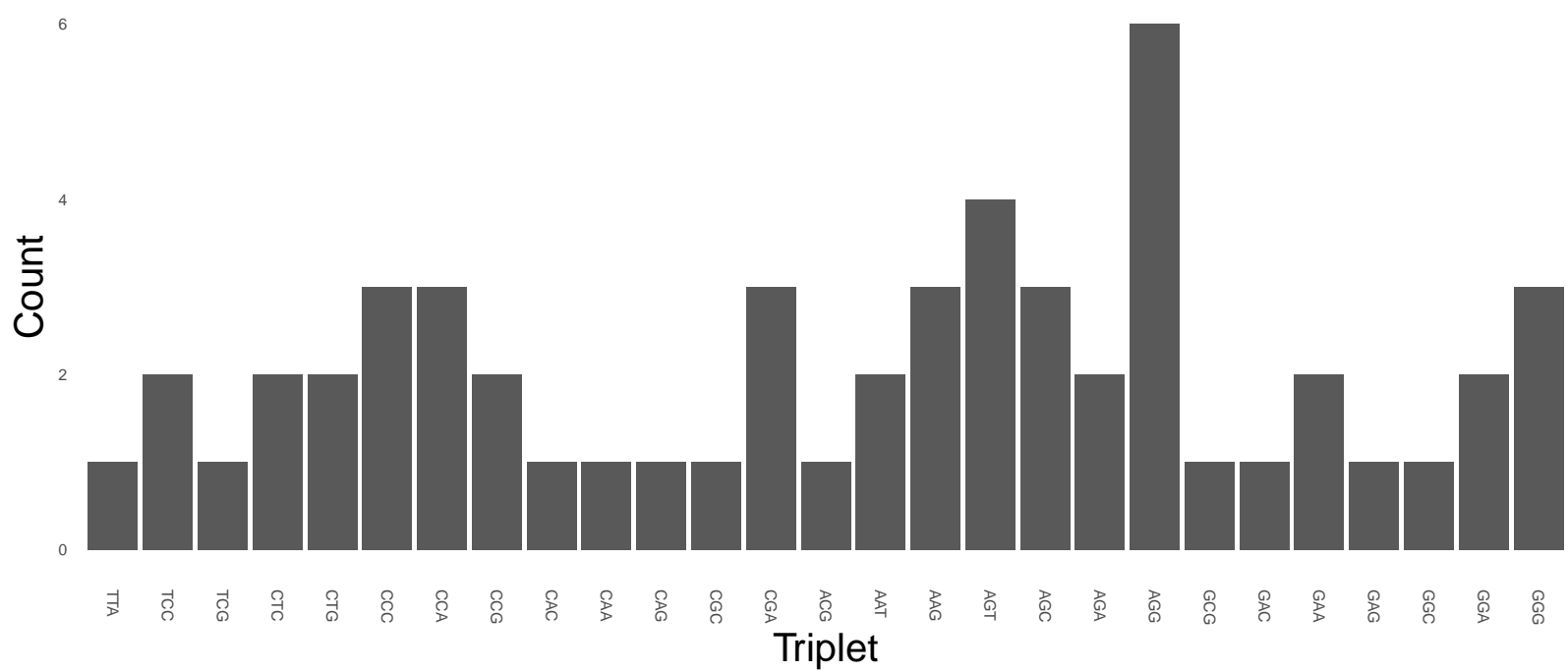
Gene TRBV7-1*ap01_G291C_T296C_C314T



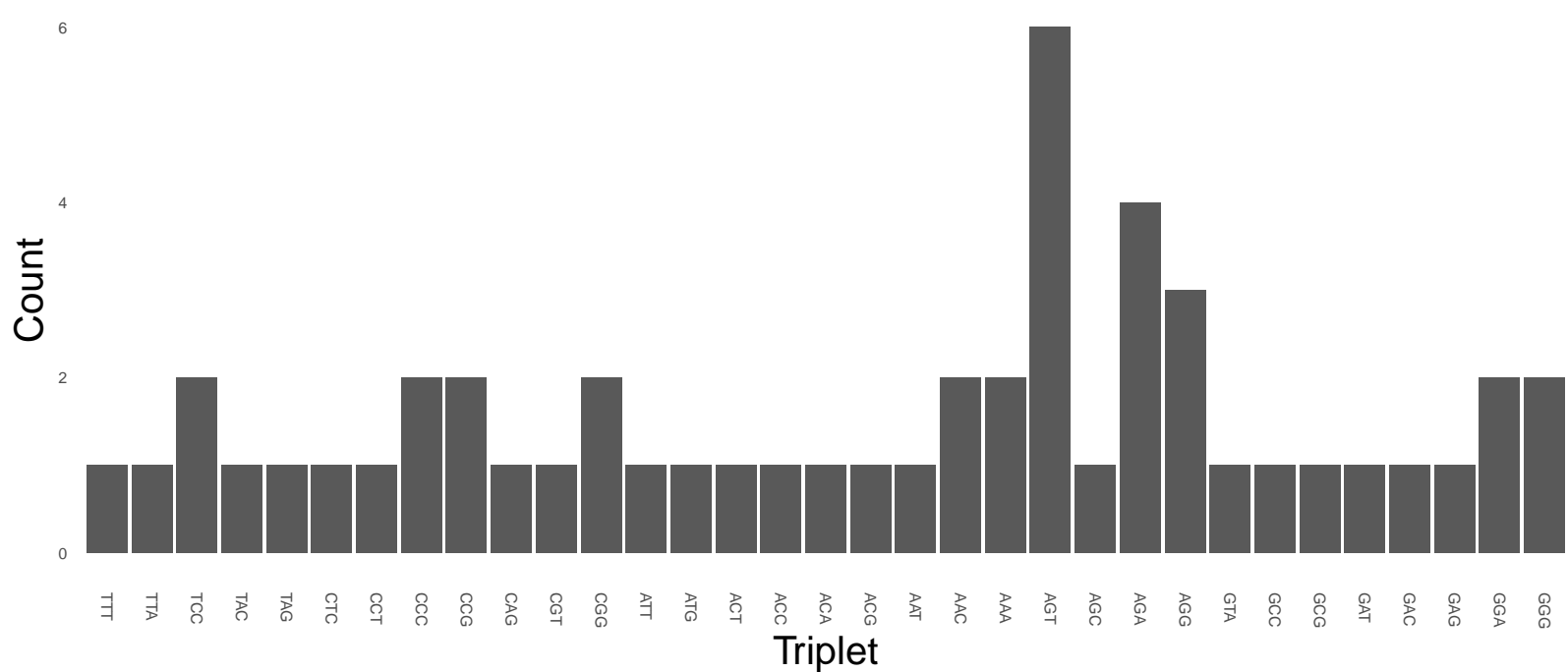
Gene TRBV7-7*ap01_C315T



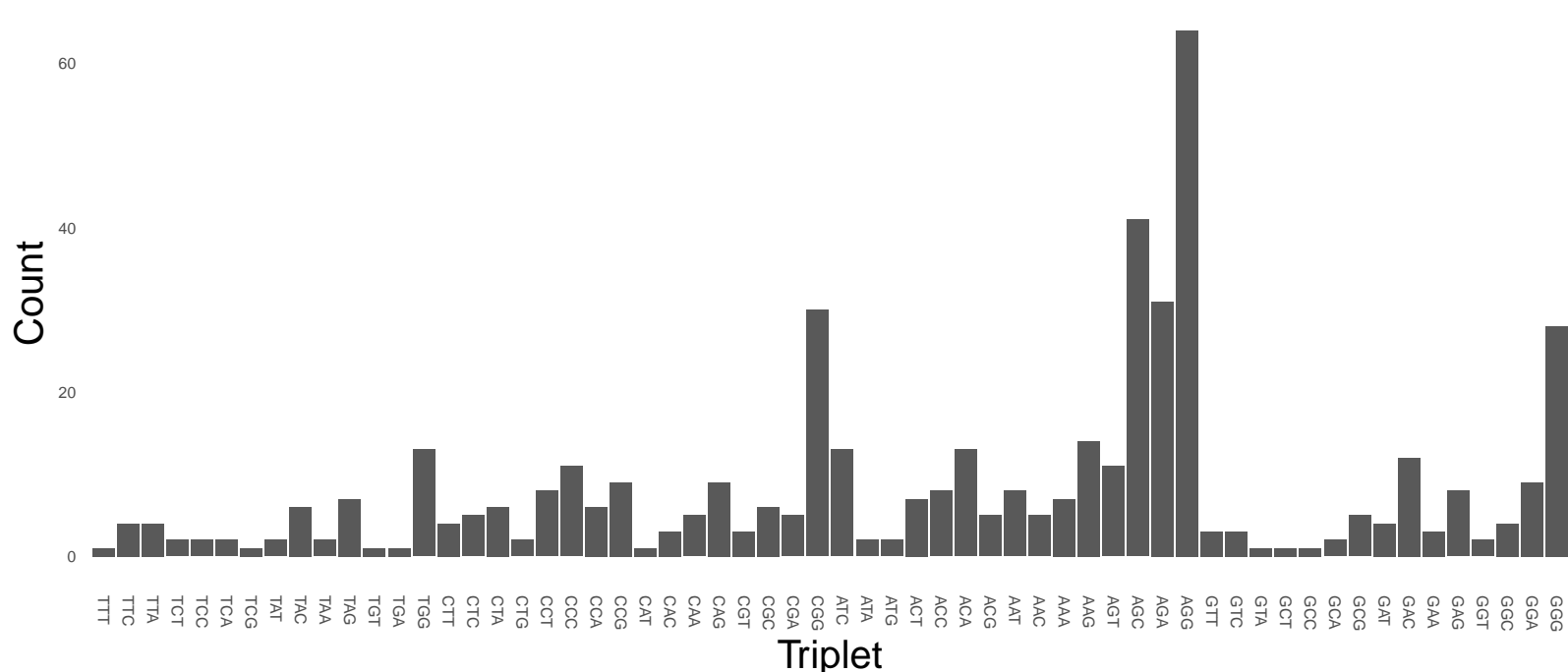
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet

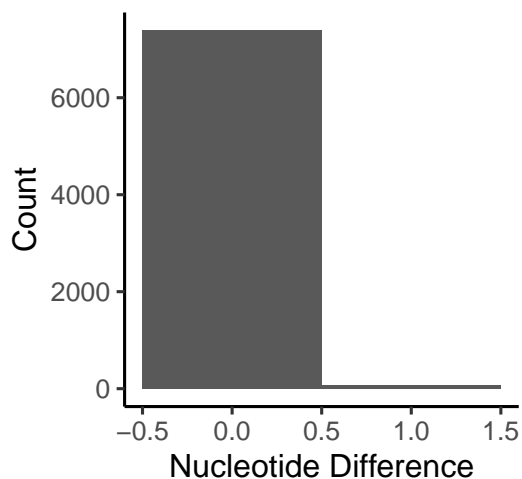


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



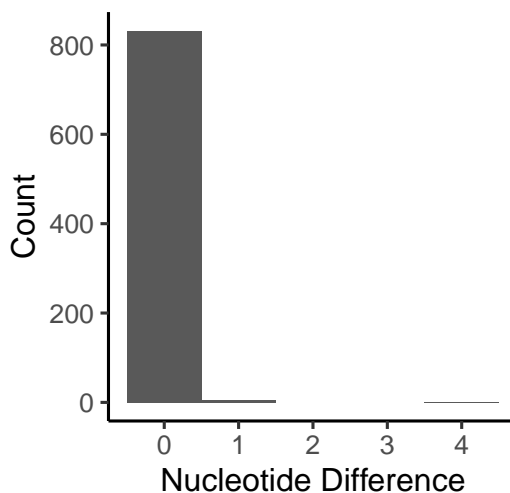
TRBV20-1*ap01

7468 sequences assigned
7388 (98.9%) exact matches, in which:
7253 unique CDR3
13 unique J



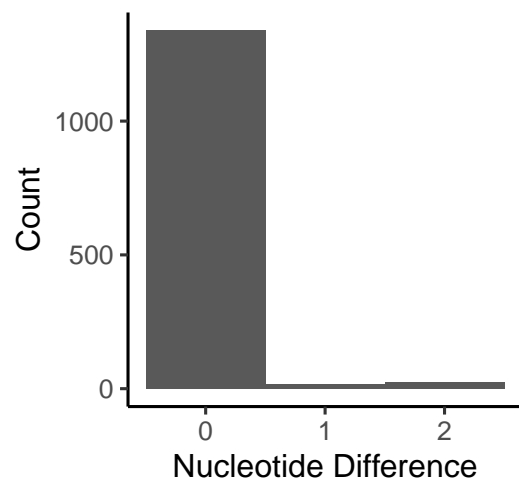
TRBV10-2*ap01

838 sequences assigned
832 (99.3%) exact matches, in which:
815 unique CDR3
13 unique J



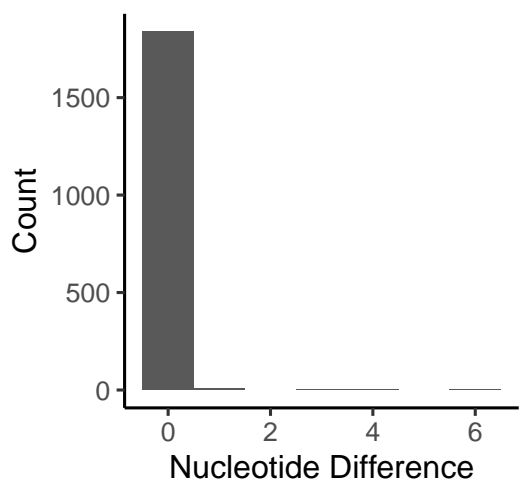
TRBV13*ap01

1382 sequences assigned
1339 (96.9%) exact matches, in which:
1295 unique CDR3
13 unique J



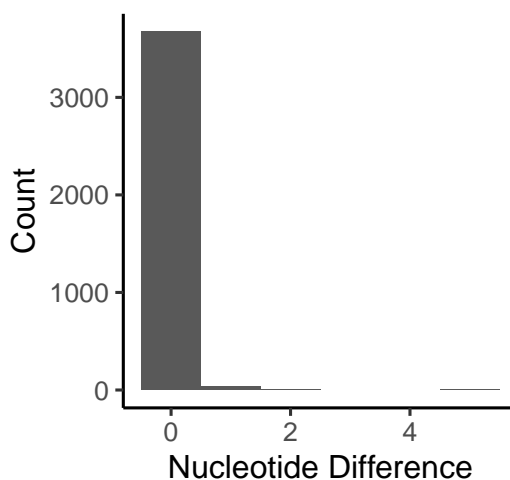
TRBV10-1*ap01

1848 sequences assigned
1838 (99.5%) exact matches, in which:
1792 unique CDR3
13 unique J



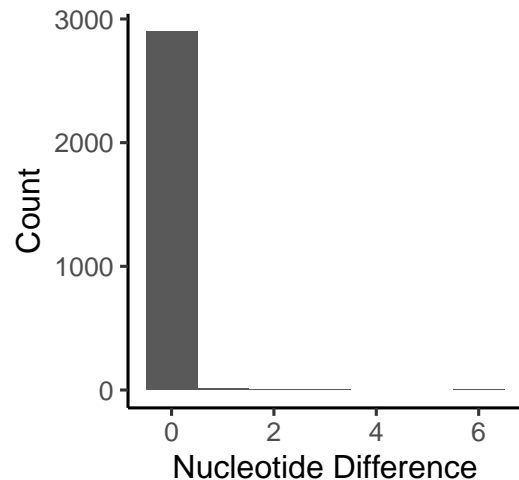
TRBV10-3*ap01

3712 sequences assigned
3673 (98.9%) exact matches, in which:
3581 unique CDR3
13 unique J



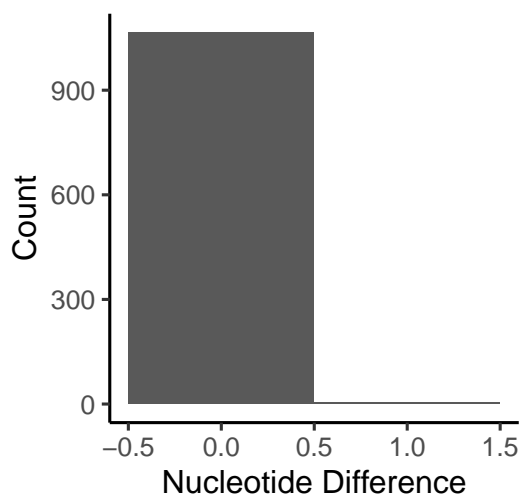
TRBV14*ap01

2916 sequences assigned
2897 (99.3%) exact matches, in which:
2839 unique CDR3
13 unique J



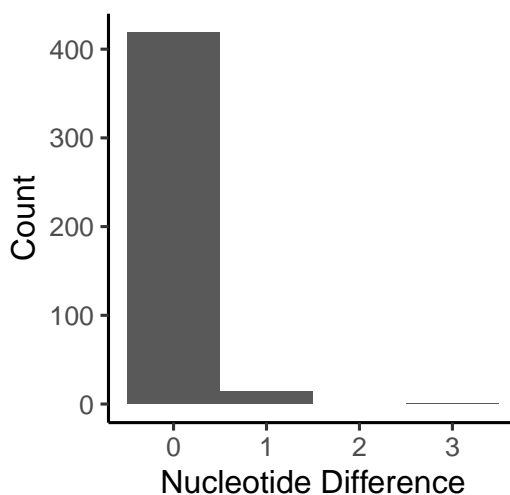
TRBV20-1*ap02

1071 sequences assigned
1066 (99.5%) exact matches, in which:
1046 unique CDR3
13 unique J



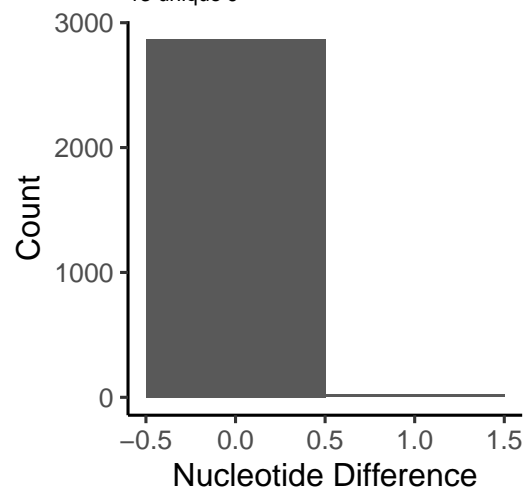
TRBV1*ap01

434 sequences assigned
419 (96.5%) exact matches, in which:
408 unique CDR3
13 unique J



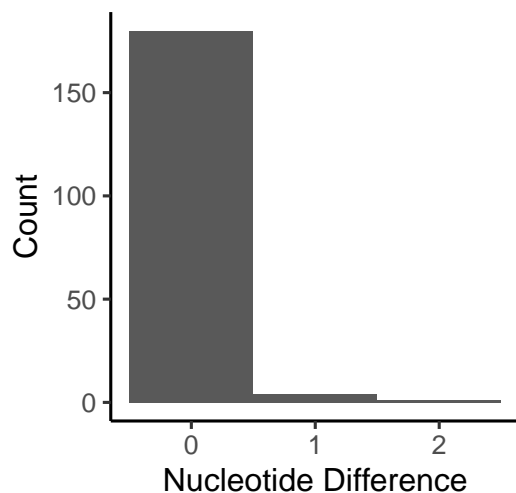
TRBV15*ap02

2892 sequences assigned
2869 (99.2%) exact matches, in which:
2800 unique CDR3
13 unique J



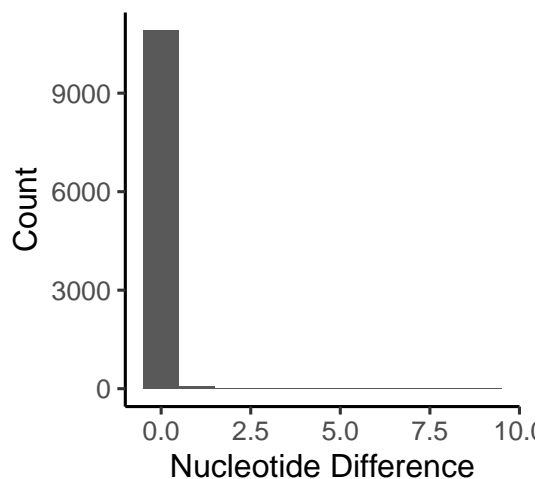
TRBV16*ap01

185 sequences assigned
180 (97.3%) exact matches, in which:
179 unique CDR3
13 unique J



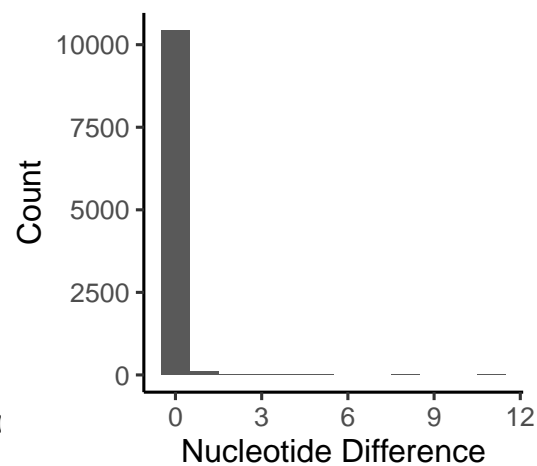
TRBV19*ap01

11018 sequences assigned
10911 (99%) exact matches, in which:
10781 unique CDR3
13 unique J



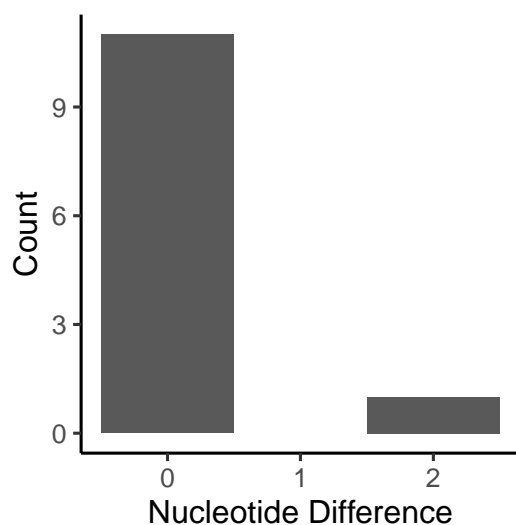
TRBV27*ap01

10561 sequences assigned
10440 (98.9%) exact matches, in which:
10205 unique CDR3
13 unique J



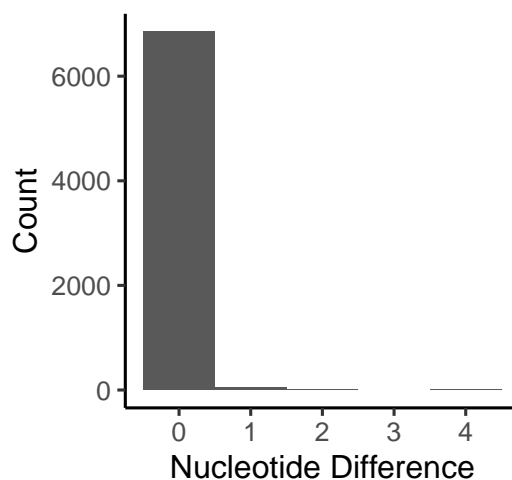
TRBV17*ap01

12 sequences assigned
11 (91.7%) exact matches, in which:
11 unique CDR3
7 unique J



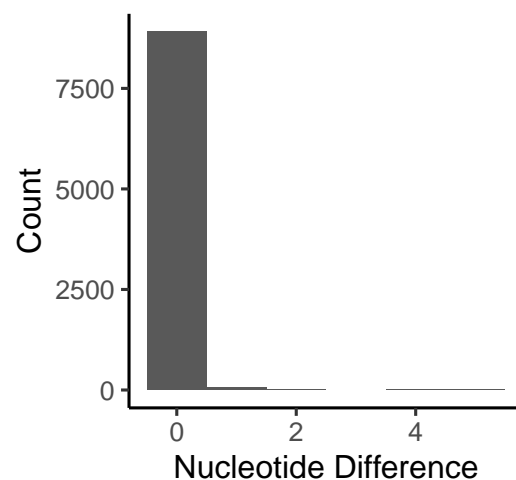
TRBV2*ap01

6911 sequences assigned
6850 (99.1%) exact matches, in which:
6705 unique CDR3
13 unique J



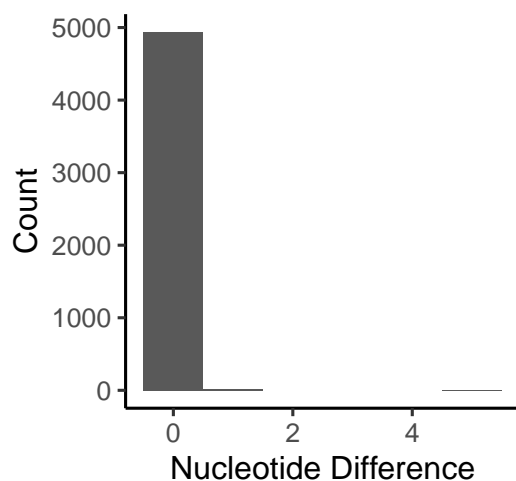
TRBV28*ap01

8974 sequences assigned
8909 (99.3%) exact matches, in which:
8721 unique CDR3
13 unique J



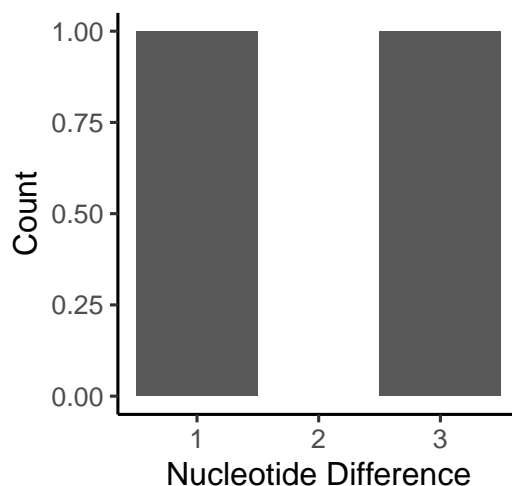
TRBV18*ap01

4956 sequences assigned
4938 (99.6%) exact matches, in which:
4877 unique CDR3
13 unique J



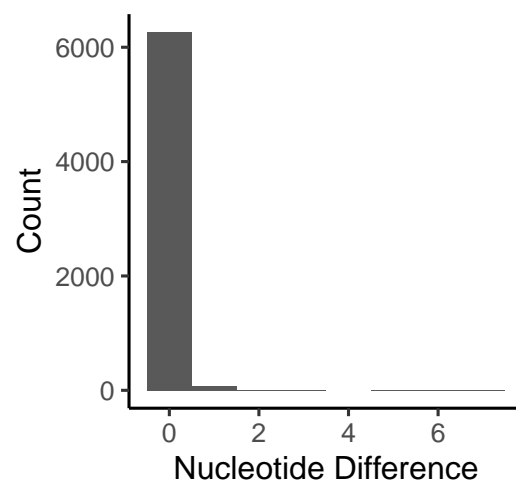
TRBV26*ap01

2 sequences assigned
No exact matches.



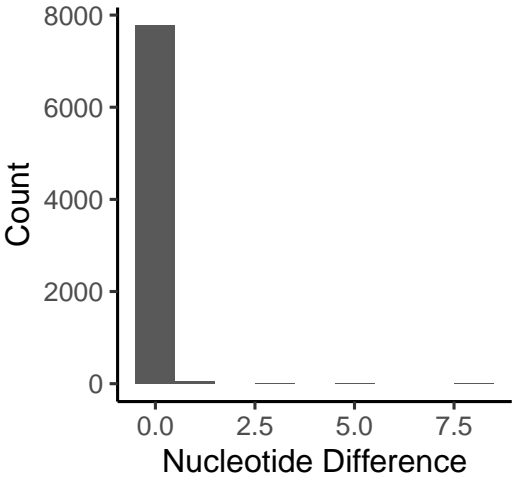
TRBV30*ap01

6354 sequences assigned
6266 (98.6%) exact matches, in which:
6104 unique CDR3
13 unique J



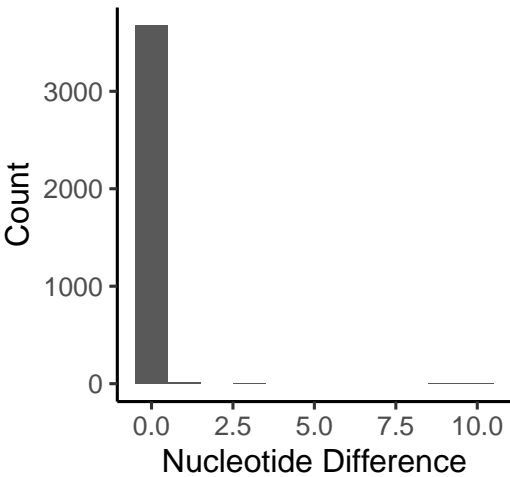
TRBV9*ap01

7828 sequences assigned
7776 (99.3%) exact matches, in which:
7655 unique CDR3
14 unique J



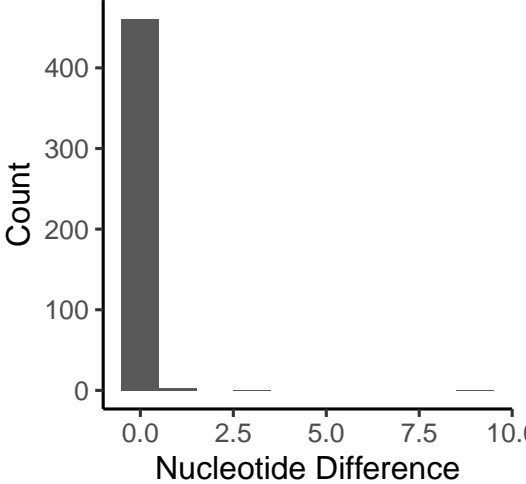
TRBV11-2*ap01

3696 sequences assigned
3676 (99.5%) exact matches, in which:
3627 unique CDR3
13 unique J



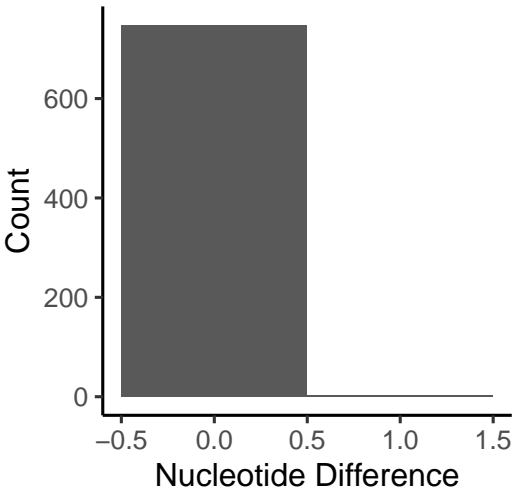
TRBV12-2*ap01

466 sequences assigned
461 (98.9%) exact matches, in which:
452 unique CDR3
13 unique J



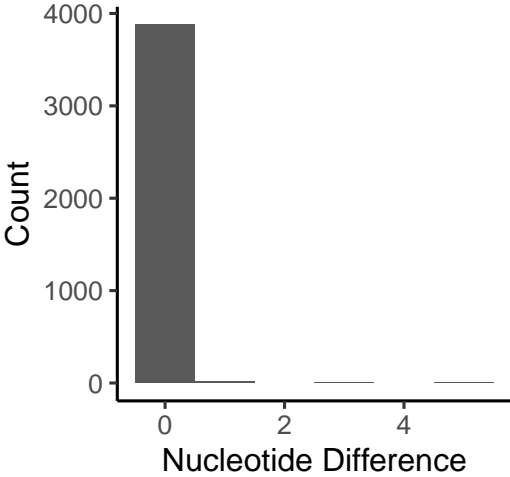
TRBV11-1*ap01

751 sequences assigned
748 (99.6%) exact matches, in which:
733 unique CDR3
13 unique J



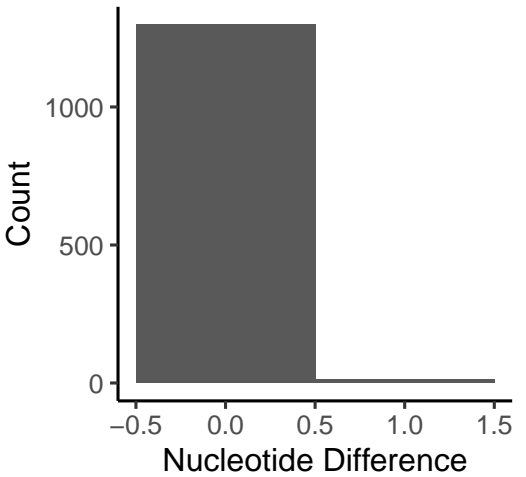
TRBV11-3*ap01

3898 sequences assigned
3878 (99.5%) exact matches, in which:
3837 unique CDR3
13 unique J



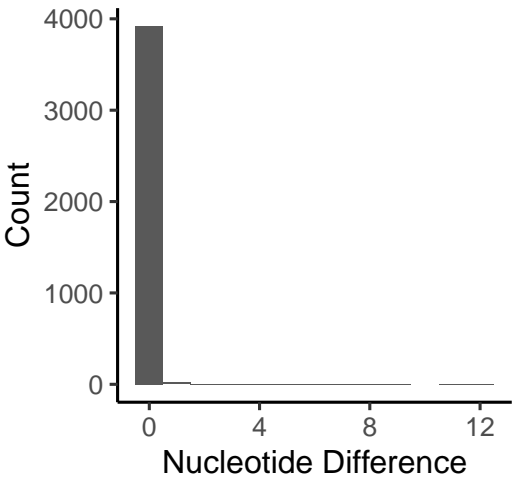
TRBV12-5*ap01

1311 sequences assigned
1298 (99%) exact matches, in which:
1275 unique CDR3
13 unique J



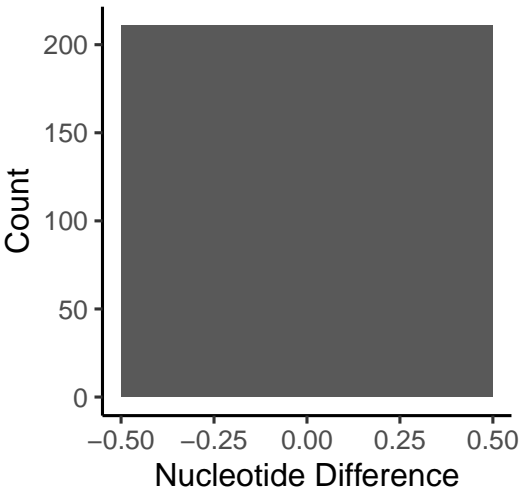
TRBV21-1*ap01

3964 sequences assigned
3921 (98.9%) exact matches, in which:
3873 unique CDR3
13 unique J



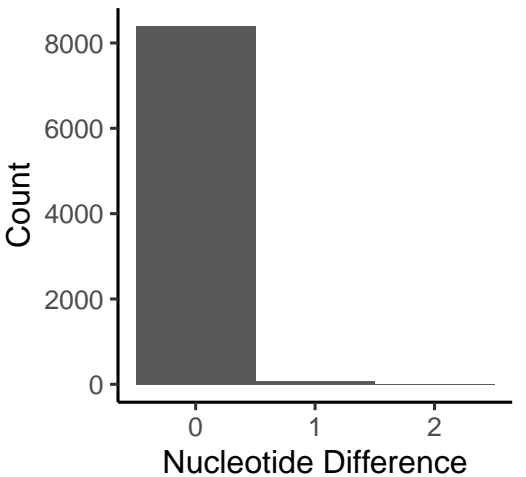
TRBV12-1*ap01

211 sequences assigned
211 (100%) exact matches, in which:
205 unique CDR3
13 unique J



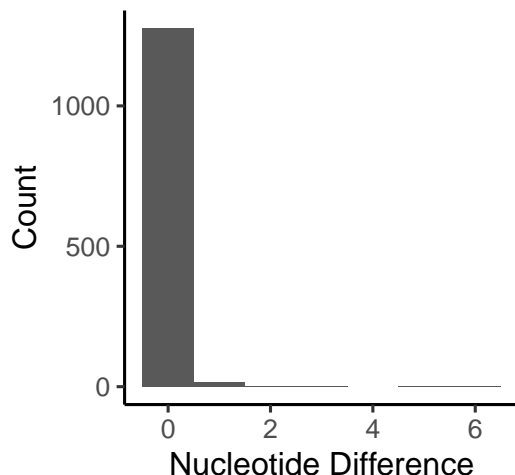
TRBV12-34*ap01

8484 sequences assigned
8397 (99%) exact matches, in which:
8233 unique CDR3
13 unique J



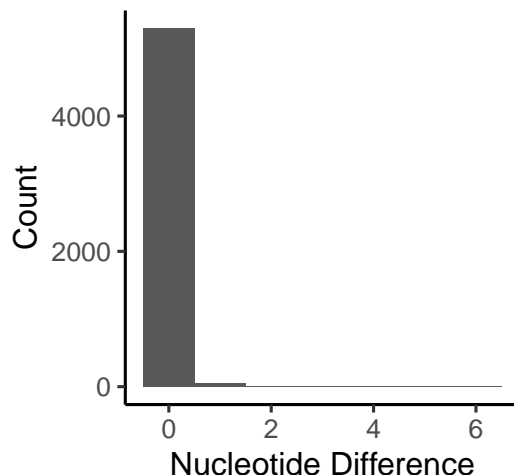
TRBV23-1*ap01

1296 sequences assigned
1276 (98.5%) exact matches, in which:
1256 unique CDR3
13 unique J



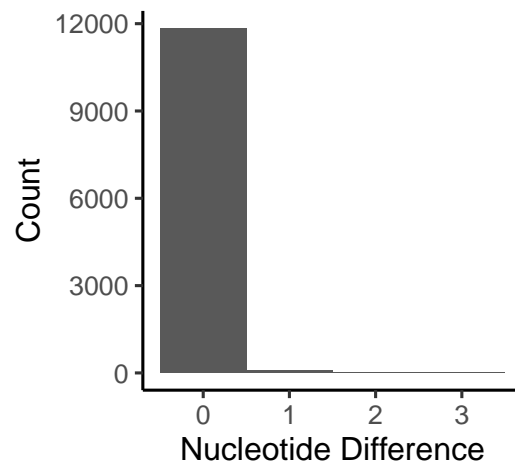
TRBV24-1*ap01

5361 sequences assigned
5295 (98.8%) exact matches, in which:
5172 unique CDR3
13 unique J



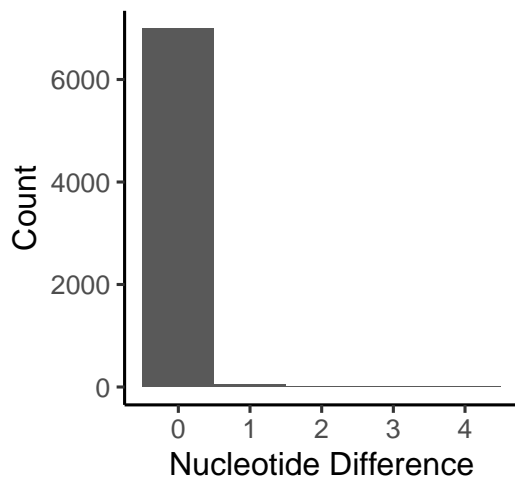
TRBV5-1*ap01

11954 sequences assigned
11846 (99.1%) exact matches, in which:
11529 unique CDR3
13 unique J



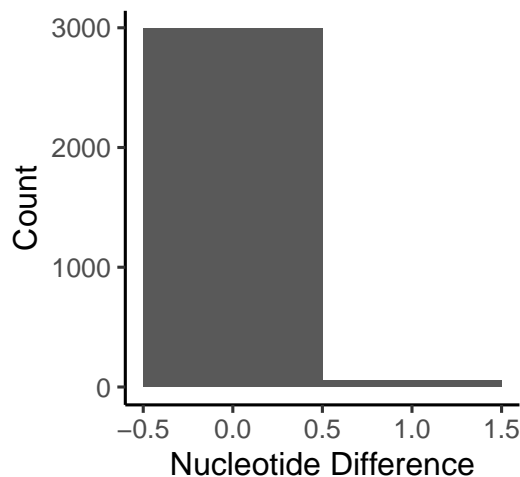
TRBV3-12*ap01

7052 sequences assigned
6991 (99.1%) exact matches, in which:
6892 unique CDR3
13 unique J



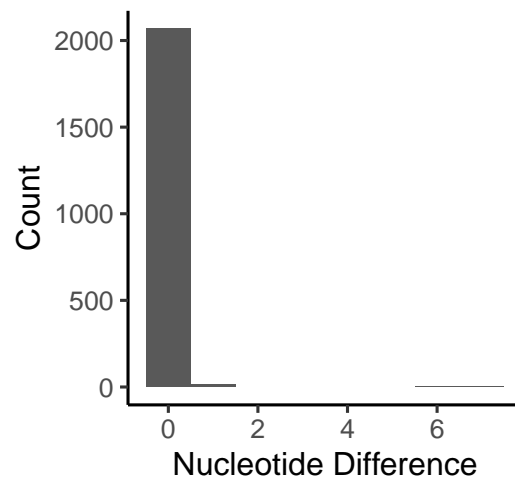
TRBV4-2*ap01

3049 sequences assigned
2992 (98.1%) exact matches, in which:
2907 unique CDR3
13 unique J



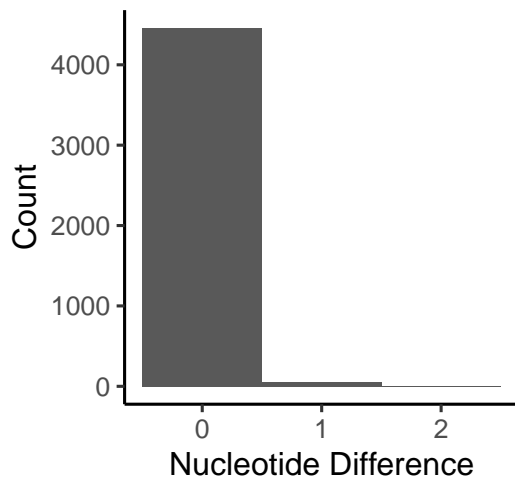
TRBV25-1*ap01

2087 sequences assigned
2068 (99.1%) exact matches, in which:
2011 unique CDR3
13 unique J



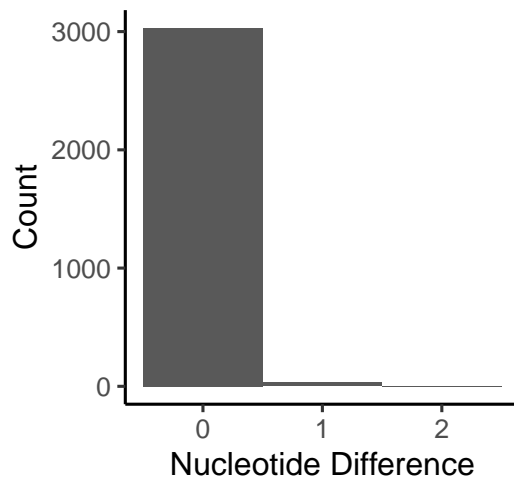
TRBV4-1*ap01

4515 sequences assigned
4457 (98.7%) exact matches, in which:
4306 unique CDR3
13 unique J



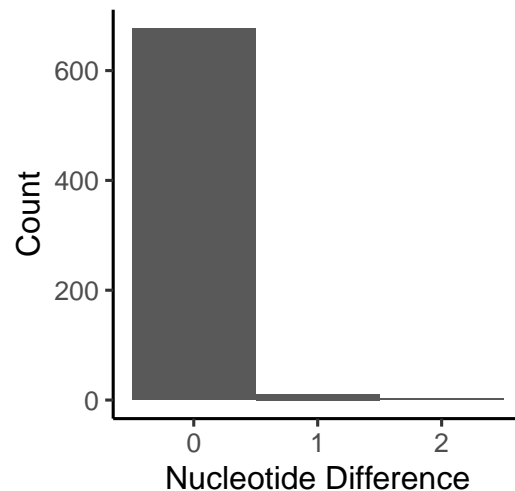
TRBV4-3*ap01

3064 sequences assigned
3030 (98.9%) exact matches, in which:
2954 unique CDR3
13 unique J



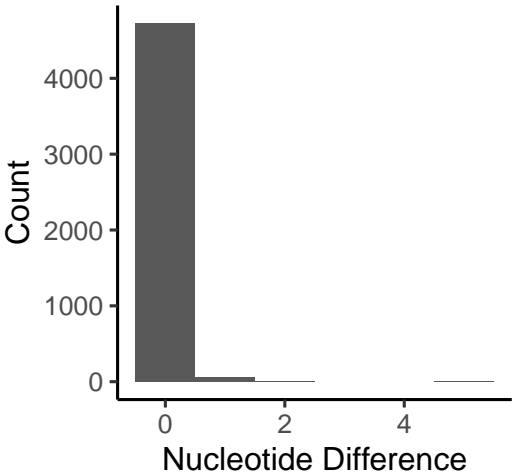
TRBV5-3*ap01

691 sequences assigned
677 (98%) exact matches, in which:
664 unique CDR3
13 unique J



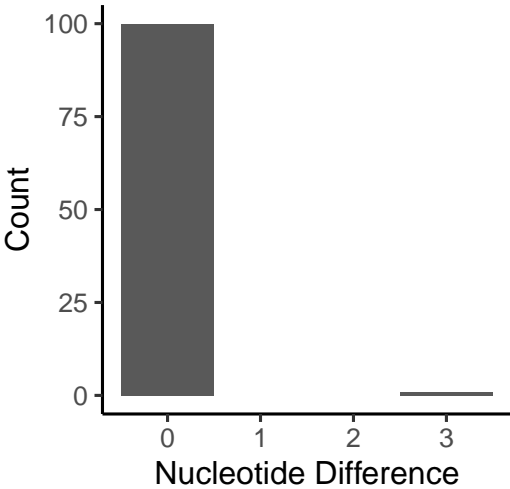
TRBV5-4*ap01

4791 sequences assigned
4724 (98.6%) exact matches, in which:
4601 unique CDR3
13 unique J



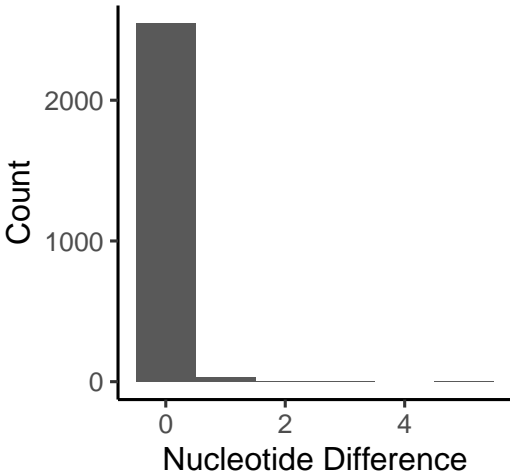
TRBV5-7*ap01

101 sequences assigned
100 (99%) exact matches, in which:
98 unique CDR3
13 unique J



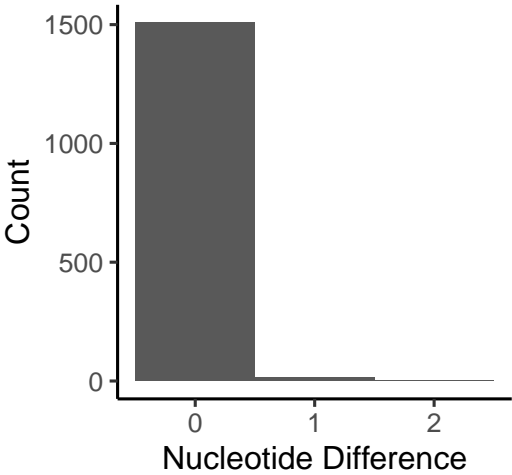
TRBV6-4*ap01

2584 sequences assigned
2546 (98.5%) exact matches, in which:
2503 unique CDR3
13 unique J



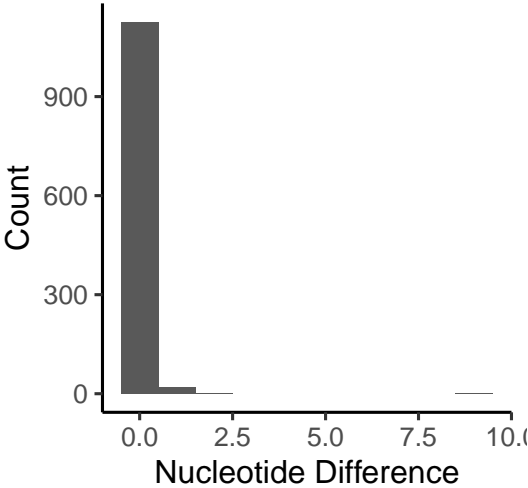
TRBV5-5*ap01

1522 sequences assigned
1508 (99.1%) exact matches, in which:
1498 unique CDR3
13 unique J



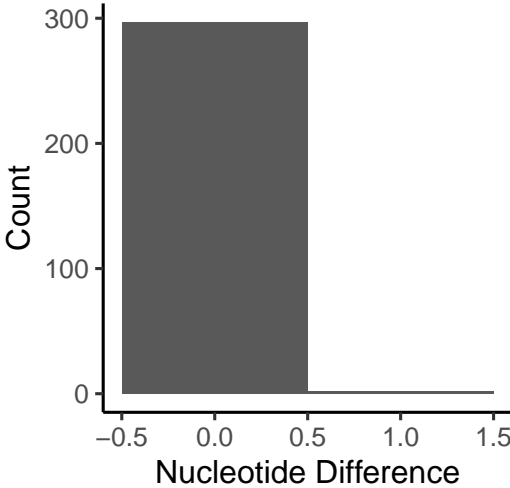
TRBV5-8*ap01

1148 sequences assigned
1126 (98.1%) exact matches, in which:
1104 unique CDR3
13 unique J



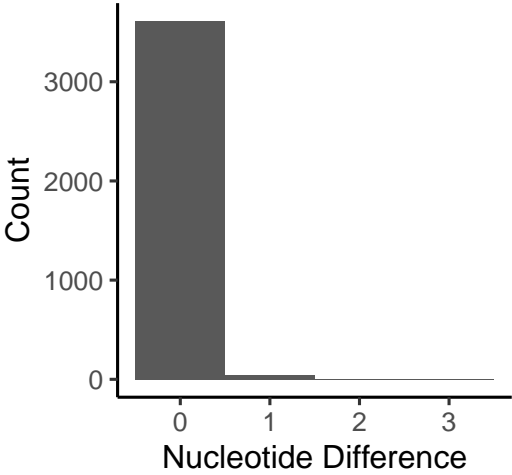
TRBV6-7*ap01

299 sequences assigned
297 (99.3%) exact matches, in which:
283 unique CDR3
13 unique J



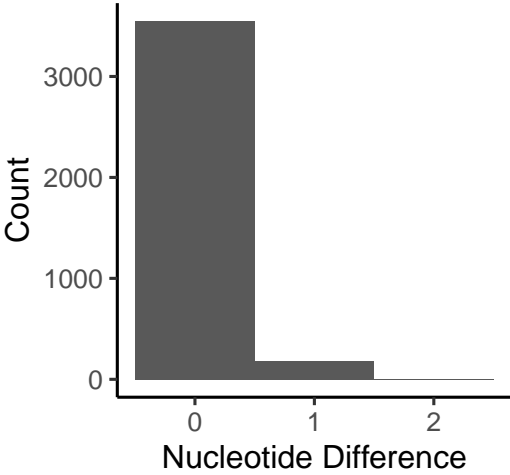
TRBV5-6*ap01

3658 sequences assigned
3612 (98.7%) exact matches, in which:
3460 unique CDR3
13 unique J



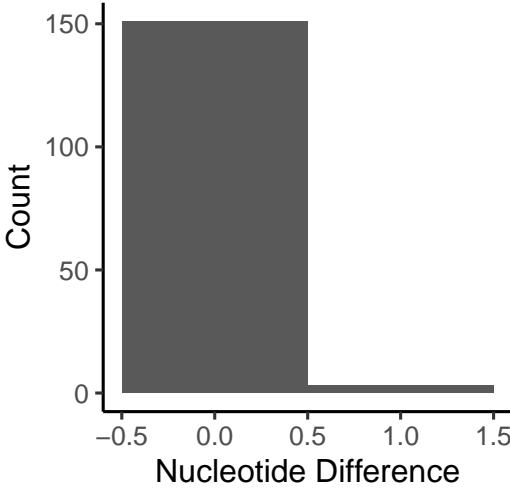
TRBV6-1*ap01

3732 sequences assigned
3549 (95.1%) exact matches, in which:
3447 unique CDR3
13 unique J



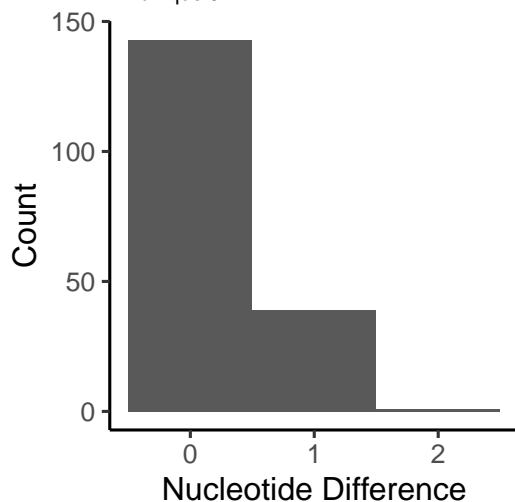
TRBV6-8*ap01

154 sequences assigned
151 (98.1%) exact matches, in which:
147 unique CDR3
13 unique J



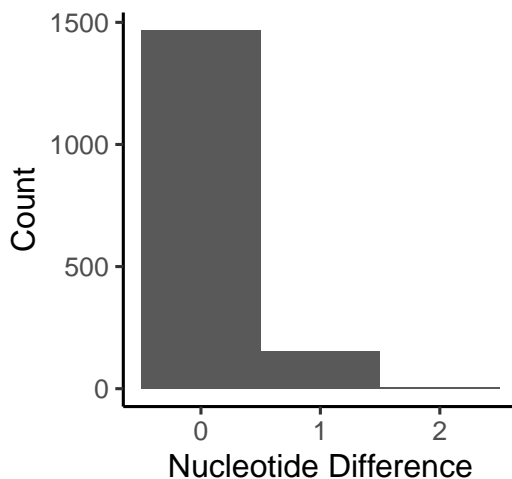
TRBV6-9*ap01

183 sequences assigned
143 (78.1%) exact matches, in which:
135 unique CDR3
12 unique J



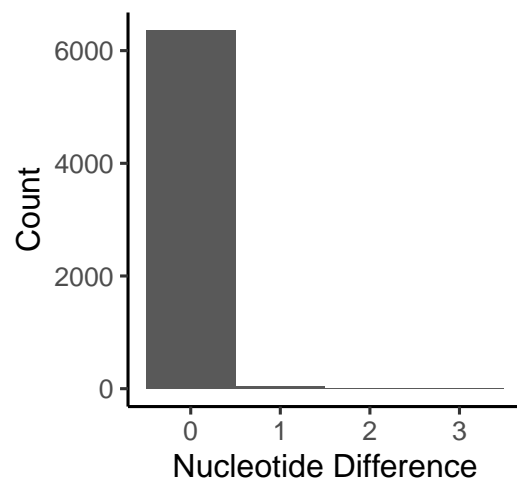
TRBV6-56*ap02

1626 sequences assigned
1467 (90.2%) exact matches, in which:
1422 unique CDR3
13 unique J



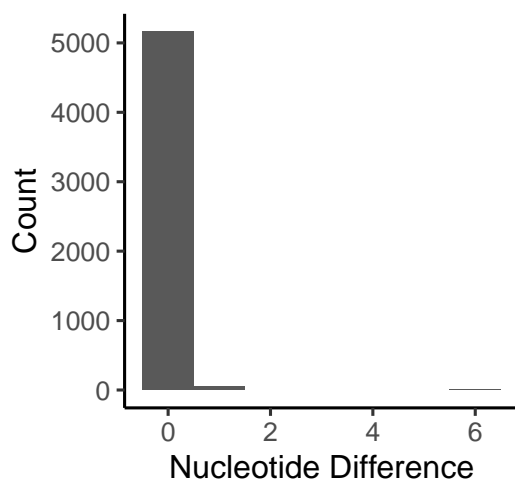
TRBV7-2*ap01

6400 sequences assigned
6359 (99.4%) exact matches, in which:
6231 unique CDR3
13 unique J



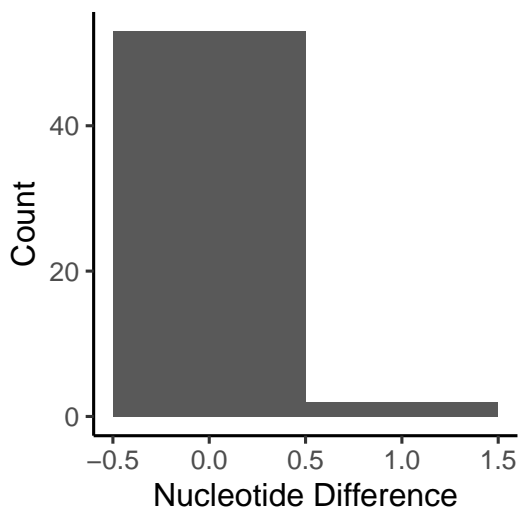
TRBV6-23*ap01

5215 sequences assigned
5161 (99%) exact matches, in which:
5008 unique CDR3
13 unique J



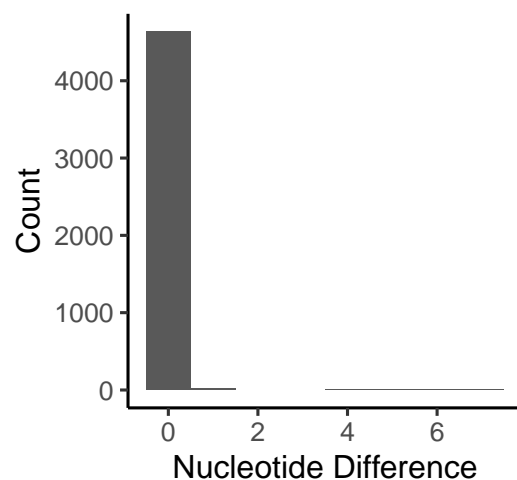
TRBV7-1*ap01_G291C_T

55 sequences assigned
53 (96.4%) exact matches, in which:
53 unique CDR3
12 unique J



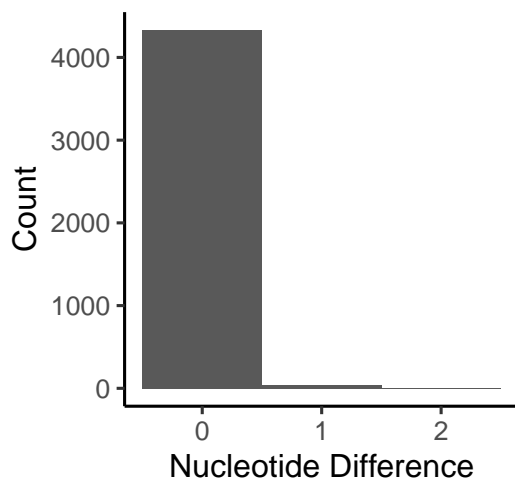
TRBV7-3*ap01

4664 sequences assigned
4634 (99.4%) exact matches, in which:
4575 unique CDR3
13 unique J



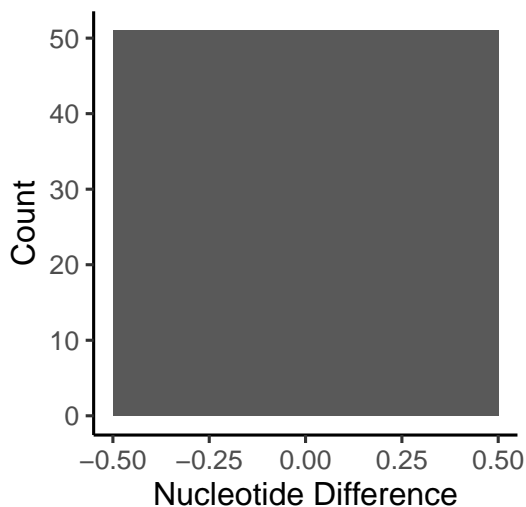
TRBV6-56*ap01

4374 sequences assigned
4331 (99%) exact matches, in which:
4206 unique CDR3
13 unique J



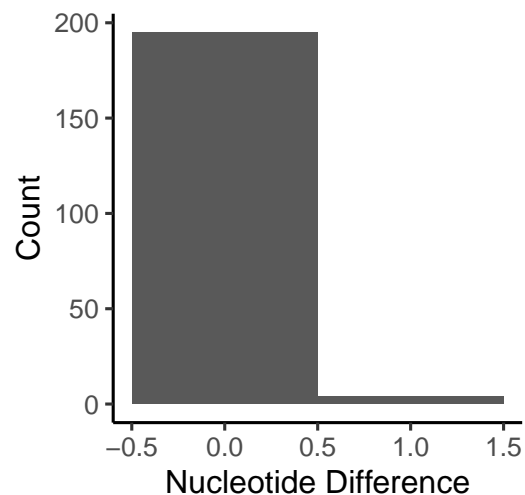
TRBV7-1*ap01_G291C_T

51 sequences assigned
51 (100%) exact matches, in which:
50 unique CDR3
10 unique J



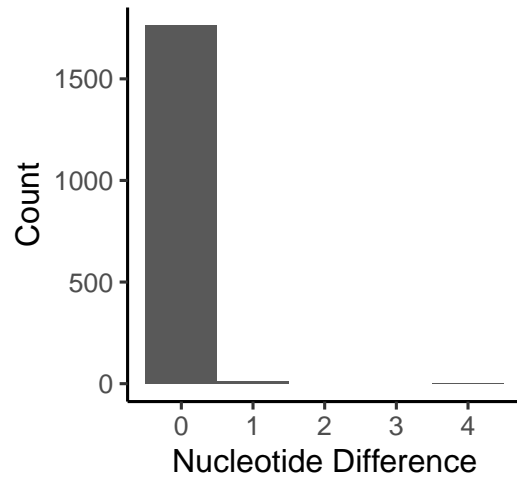
TRBV7-4*ap01

199 sequences assigned
195 (98%) exact matches, in which:
191 unique CDR3
13 unique J



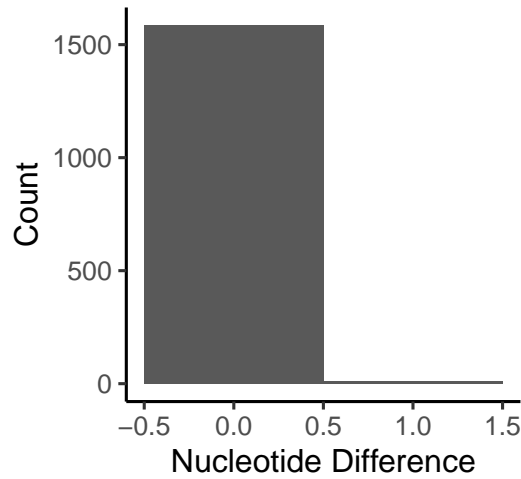
TRBV7-6*ap01

1779 sequences assigned
1763 (99.1%) exact matches, in which:
1710 unique CDR3
13 unique J



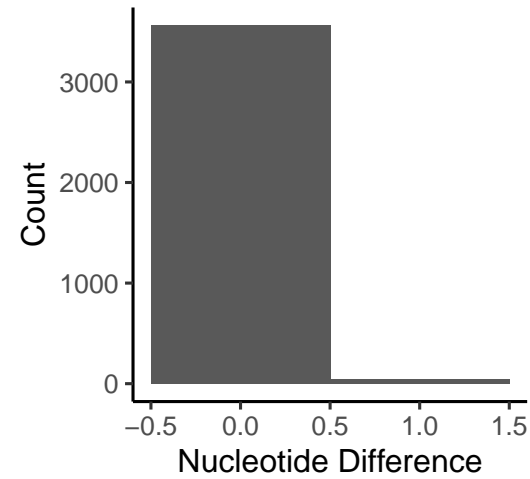
TRBV7-8*ap01

1598 sequences assigned
1585 (99.2%) exact matches, in which:
1549 unique CDR3
13 unique J



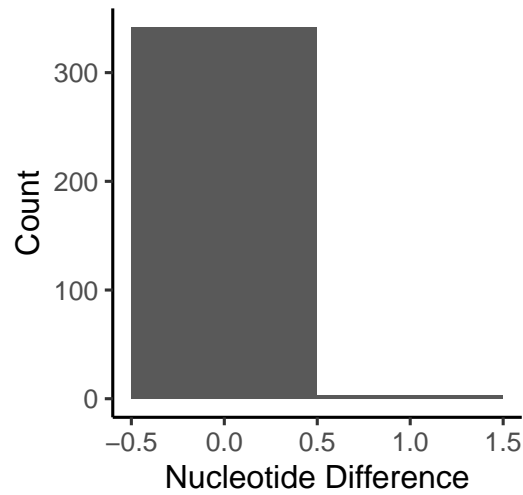
TRBV29-1*ap01

3609 sequences assigned
3562 (98.7%) exact matches, in which:
3468 unique CDR3
13 unique J



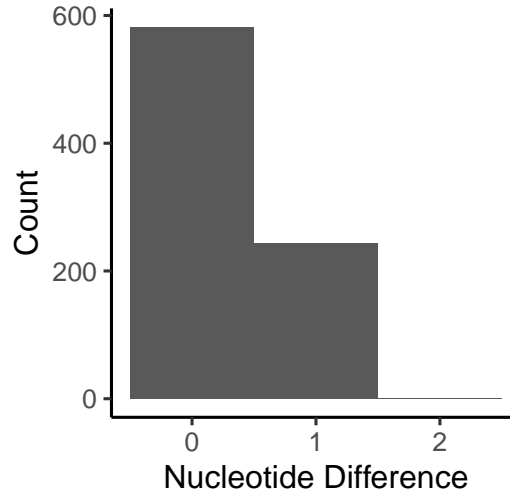
TRBV7-7*ap01

345 sequences assigned
342 (99.1%) exact matches, in which:
338 unique CDR3
13 unique J



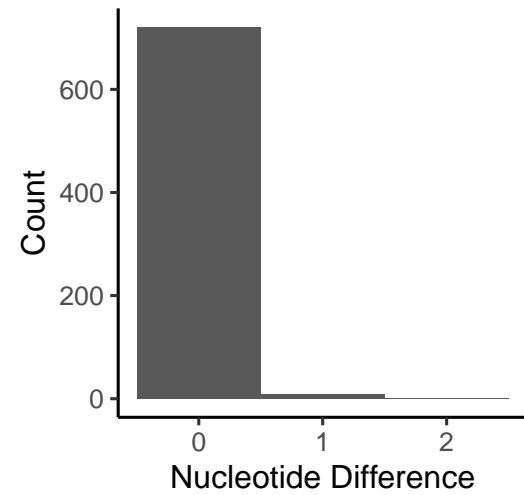
TRBV7-8*ap03

826 sequences assigned
582 (70.5%) exact matches, in which:
573 unique CDR3
13 unique J



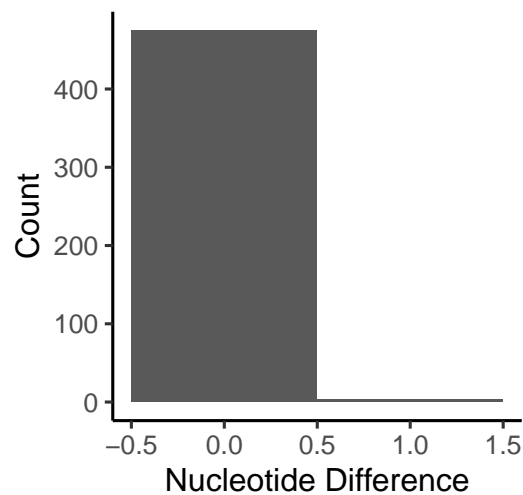
TRBV29-1*ap02

730 sequences assigned
721 (98.8%) exact matches, in which:
697 unique CDR3
13 unique J



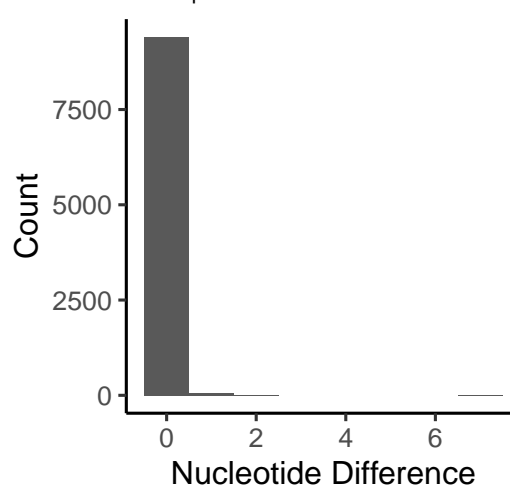
TRBV7-7*ap01_C315T

478 sequences assigned
475 (99.4%) exact matches, in which:
463 unique CDR3
13 unique J

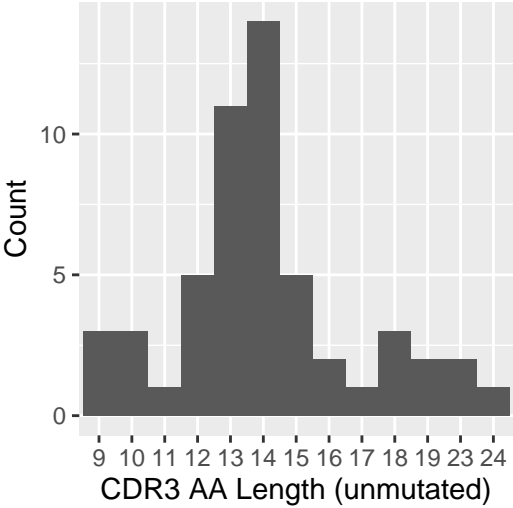


TRBV7-9*ap01

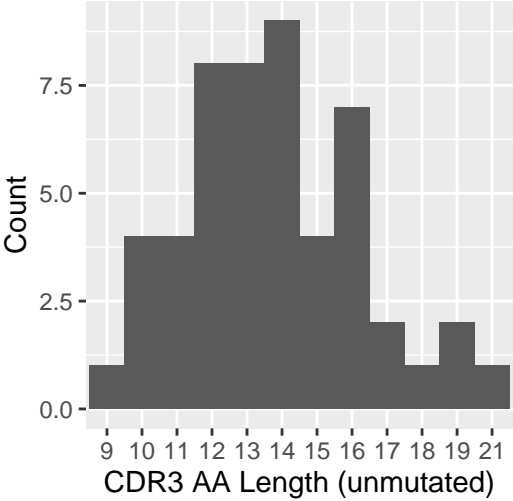
9466 sequences assigned
9402 (99.3%) exact matches, in which:
9241 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-7*ap01_C315T

